

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072719\
 Data File : VN056942.D
 Acq On : 26 Jul 2019 11:09
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 8/2/2019 9:13:20 AM

Quant Time: Jul 27 00:45:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072719W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 26 23:57:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	633937	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	933524	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	836284	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	380311	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	604710	92.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	185.52%	
35) Dibromofluoromethane	7.57	113	560098	94.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	189.22%	
50) Toluene-d8	10.08	98	2149987	95.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	191.20%	
62) 4-Bromofluorobenzene	12.39	95	719857	98.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	196.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	702859	105.092	ug/l	99
3) Chloromethane	2.05	50	761945	95.626	ug/l	100
4) Vinyl Chloride	2.18	62	743592	98.468	ug/l	99
5) Bromomethane	2.53	94	420682	92.218	ug/l	99
6) Chloroethane	2.68	64	400652	95.742	ug/l	99
7) Trichlorofluoromethane	3.00	101	962003	97.675	ug/l	99
8) Diethyl Ether	3.39	74	365534	99.122	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	586801	96.427	ug/l	100
10) Methyl Iodide	3.93	142	871352	99.049	ug/l	100
11) Tert butyl alcohol	4.77	59	477036	505.639	ug/l	99
12) 1,1-Dichloroethene	3.72	96	570353	97.528	ug/l	100
13) Acrolein	3.59	56	227167	437.139	ug/l	100
14) Allyl chloride	4.30	41	959177	100.915	ug/l	100
15) Acrylonitrile	4.96	53	1427155	529.340	ug/l	99
16) Acetone	3.80	43	1211923	539.157	ug/l	99
17) Carbon Disulfide	4.03	76	1536338	97.943	ug/l	99
18) Methyl Acetate	4.30	43	754551	96.594	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	1765727	102.215	ug/l	100
20) Methylene Chloride	4.53	84	643791	92.386	ug/l	99
21) trans-1,2-Dichloroethene	5.02	96	599726	95.882	ug/l	98
22) Diisopropyl ether	5.93	45	1901340	98.553	ug/l	100
23) Vinyl Acetate	5.87	43	7142194	534.437	ug/l	99
24) 1,1-Dichloroethane	5.83	63	1101796	97.048	ug/l	99
25) 2-Butanone	6.82	43	1849997	536.329	ug/l	98
26) 2,2-Dichloropropane	6.81	77	862078	103.256	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	697874	97.744	ug/l	99
28) Bromochloromethane	7.18	49	503228	96.591	ug/l	98
29) Tetrahydrofuran	7.19	42	1199955	531.807	ug/l	100
30) Chloroform	7.36	83	1074529	91.933	ug/l	99
31) Cyclohexane	7.64	56	1048637	94.956	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	923788	98.876	ug/l	99
36) 1,1-Dichloropropene	7.78	75	848455	100.710	ug/l	99
37) Ethyl Acetate	6.91	43	727546	105.185	ug/l	99
38) Carbon Tetrachloride	7.76	117	820132	102.238	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	1104711	107.254	ug/l	99
40) Benzene	8.03	78	2564610	98.003	ug/l	99
41) Methacrylonitrile	7.16	41	344198m	111.868	ug/l	
42) 1,2-Dichloroethane	8.11	62	788982	97.763	ug/l	99
43) Isopropyl Acetate	8.15	43	1195453	105.653	ug/l	100
44) Trichloroethene	8.82	130	704744	99.080	ug/l	99
45) 1,2-Dichloropropane	9.11	63	687155	97.937	ug/l	100
46) Dibromomethane	9.19	93	427114	100.795	ug/l	100
47) Bromodichloromethane	9.39	83	845893	102.135	ug/l	99
48) Methyl methacrylate	9.19	41	581670	107.650	ug/l	99
49) 1,4-Dioxane	9.19	88	229280	2050.650	ug/l	100
51) 4-Methyl-2-Pentanone	9.97	43	3579578	532.115	ug/l	100
52) Toluene	10.15	92	1573065	100.484	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	937724	111.981	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	1066195	108.530	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	621574	98.637	ug/l	99
56) Ethyl methacrylate	10.42	69	937297	110.207	ug/l	100
57) 1,3-Dichloropropane	10.70	76	1040464	101.048	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	2008411	594.731	ug/l	100
59) 2-Hexanone	10.74	43	2583789	559.040	ug/l	99
60) Dibromochloromethane	10.89	129	692469	107.681	ug/l	99
61) 1,2-Dibromoethane	11.00	107	644301	103.336	ug/l	100
64) Tetrachloroethene	10.62	164	667145	89.309	ug/l	99
65) Chlorobenzene	11.43	112	1717587	99.551	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	646703	100.398	ug/l	100
67) Ethyl Benzene	11.50	91	3049811	102.703	ug/l	100
68) m/p-Xylenes	11.61	106	2264612	204.756	ug/l	99
69) o-Xylene	11.94	106	1092440	100.947	ug/l	100
70) Styrene	11.96	104	1876008	109.429	ug/l	99
71) Bromoform	12.12	173	504594	111.622	ug/l	100
73) Isopropylbenzene	12.24	105	2939951	86.252	ug/l	100
74) N-amyl acetate	12.06	43	997576	99.104	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	837391	84.304	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	700209m	94.030	ug/l	
77) Bromobenzene	12.52	156	765662	87.713	ug/l	97
78) n-propylbenzene	12.58	91	3325803	92.343	ug/l	99
79) 2-Chlorotoluene	12.67	91	1938179	86.439	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2474945	87.921	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	272426	112.811	ug/l	97
82) 4-Chlorotoluene	12.77	91	1953850	94.955	ug/l	99
83) tert-Butylbenzene	12.99	119	2136946	86.041	ug/l	100
84) 1,2,4-Trimethylbenzene	13.03	105	2436967	91.534	ug/l	100
85) sec-Butylbenzene	13.17	105	2848041	90.811	ug/l	100
86) p-Isopropyltoluene	13.28	119	2617623	94.332	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1280592	98.192	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1250871	99.868	ug/l	99
89) n-Butylbenzene	13.61	91	2206589	102.886	ug/l	99
90) Hexachloroethane	13.87	117	452506	91.547	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	1231711	93.166	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	136182	100.365	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	678560	122.994	ug/l	100
94) Hexachlorobutadiene	15.00	225	448747	83.669	ug/l	98
95) Naphthalene	15.12	128	1713307	124.660	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	692055	116.859	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

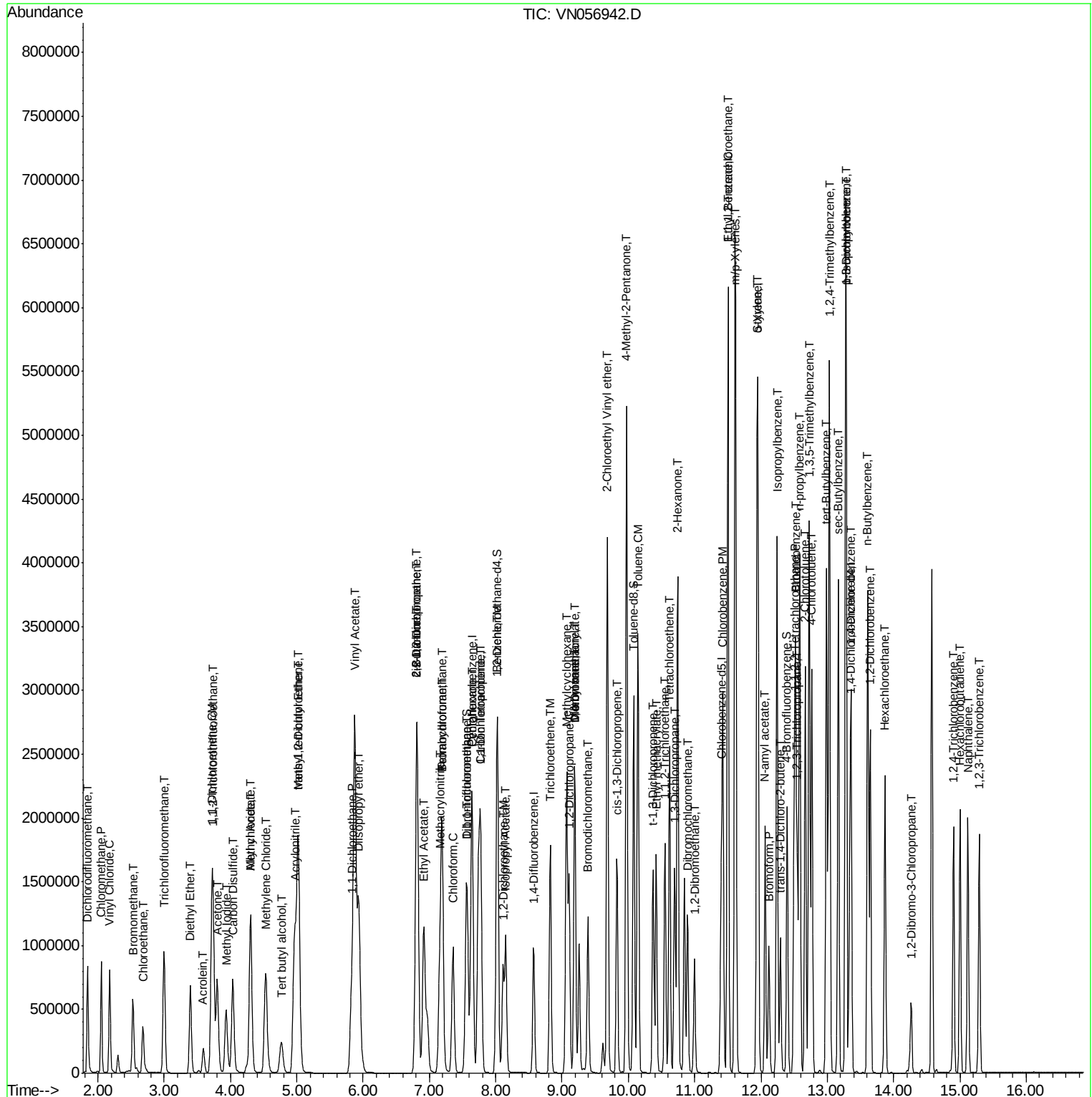
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Data File : VN056942.D
Acq On : 26 Jul 2019 11:09
Operator : JC/SP
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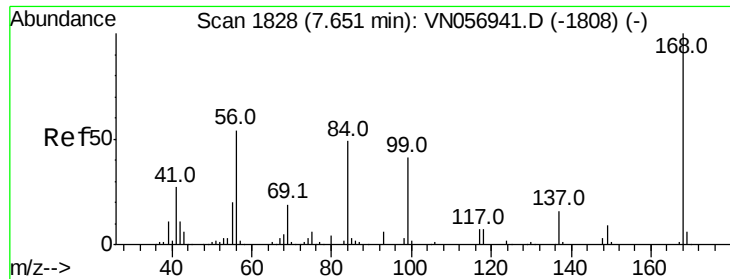
Instrument :
MSVOA_N
ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN056942.D

Acq: 26 Jul 2019 11:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 633937

Ion Ratio Lower Upper

168 100

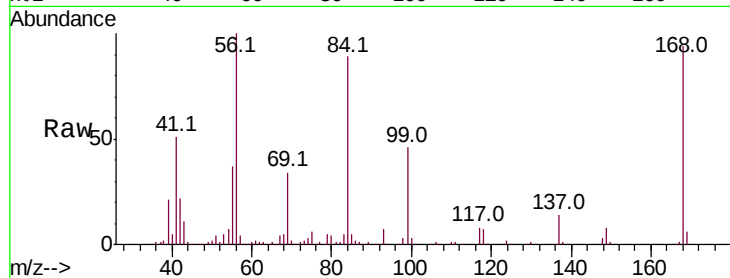
99 48.5 39.0 58.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

250000

200000

150000

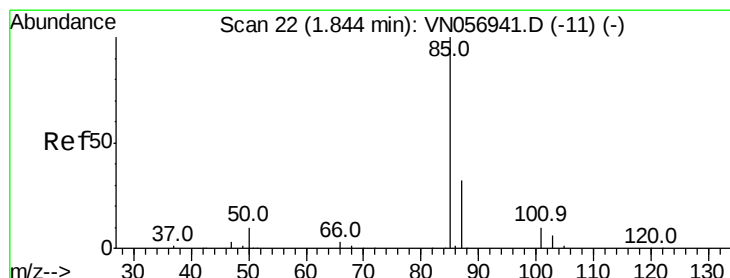
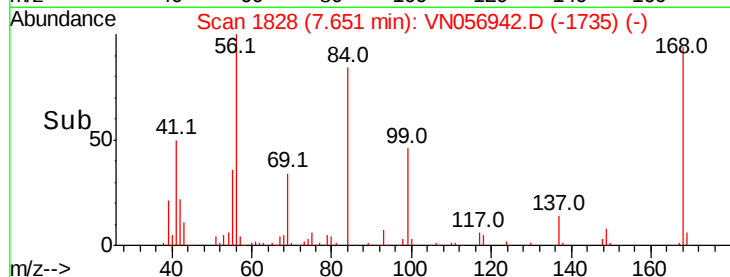
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50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 105.092 ug/l

RT: 1.84 min Scan# 22

Delta R.T. 0.00 min

Lab File: VN056942.D

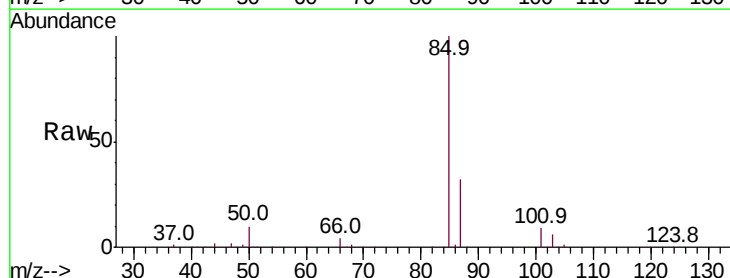
Acq: 26 Jul 2019 11:09

Tgt Ion: 85 Resp: 702859

Ion Ratio Lower Upper

85 100

87 32.3 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.84

500000

400000

300000

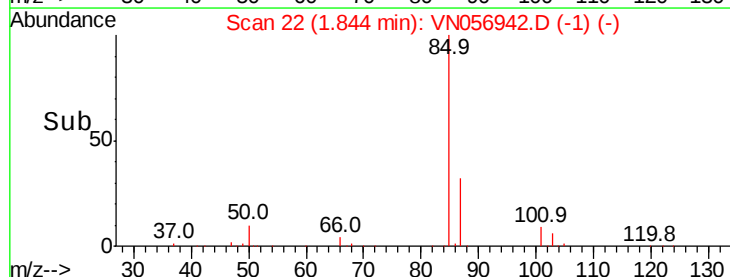
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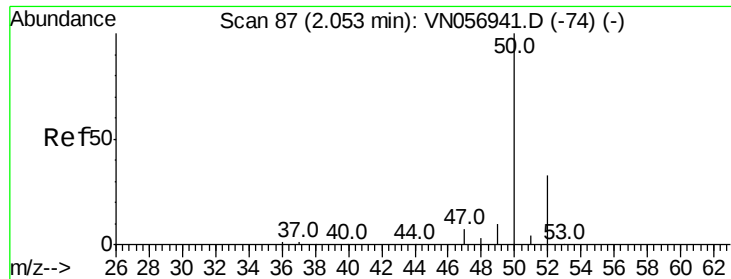
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0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 95.626 ug/l

RT: 2.05 min Scan# 86

Delta R.T. -0.00 min

Lab File: VN056942.D

Acq: 26 Jul 2019 11:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 761945

Ion Ratio Lower Upper

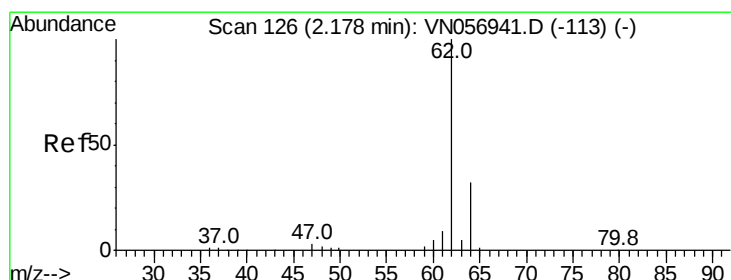
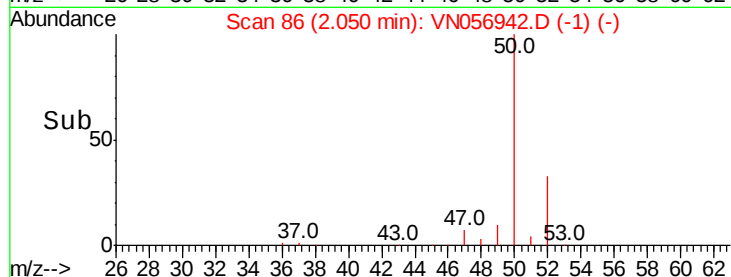
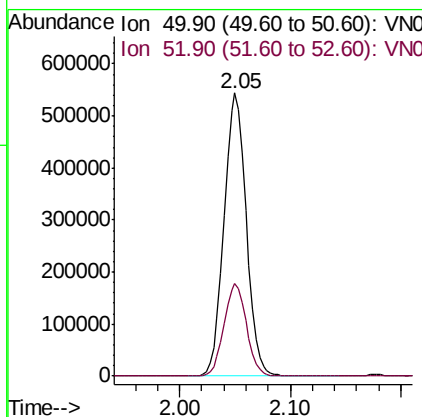
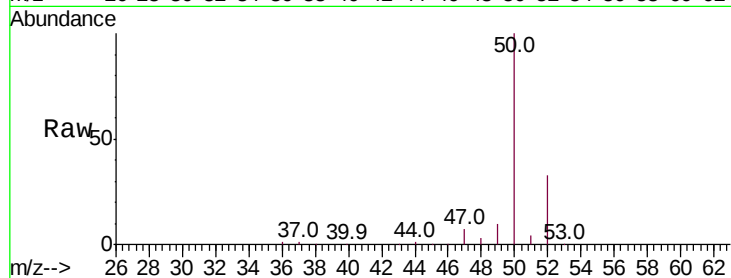
50 100

52 32.7 26.2 39.2

Manual Integrations
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8/2/2019 9:13:20 AM



#4

Vinyl Chloride

Concen: 98.468 ug/l

RT: 2.18 min Scan# 125

Delta R.T. -0.00 min

Lab File: VN056942.D

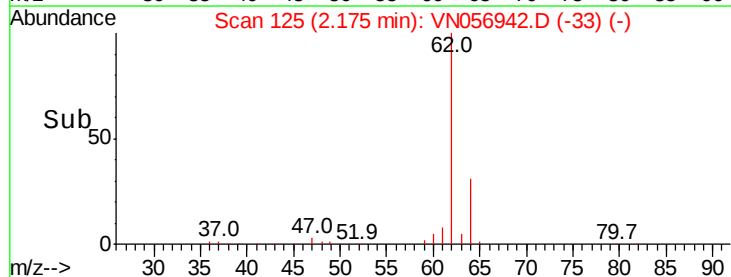
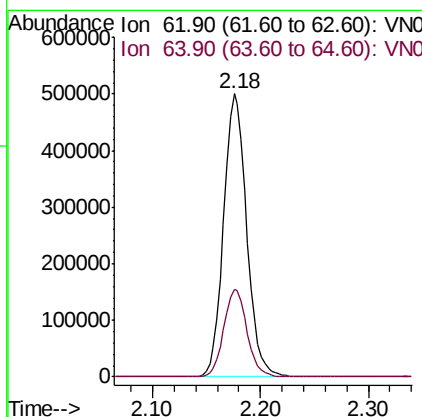
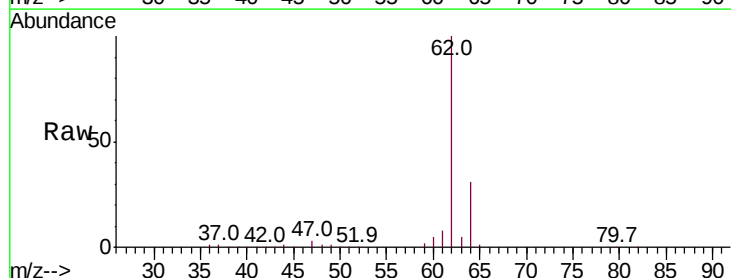
Acq: 26 Jul 2019 11:09

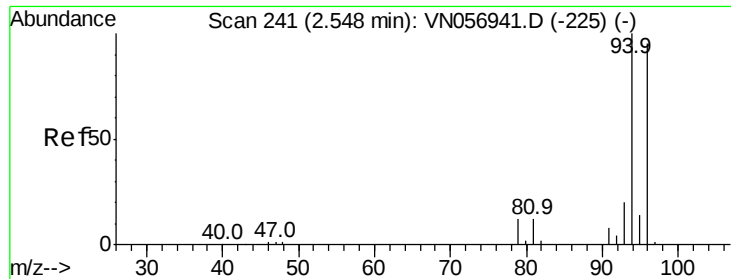
Tgt Ion: 62 Resp: 743592

Ion Ratio Lower Upper

62 100

64 30.9 25.4 38.0





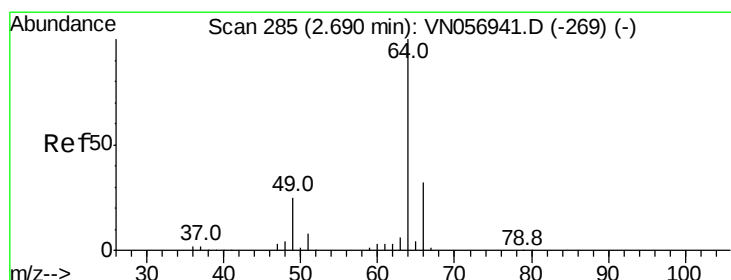
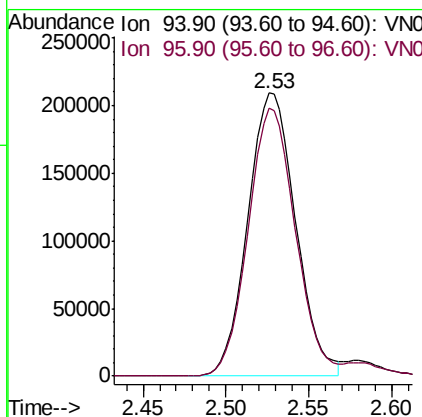
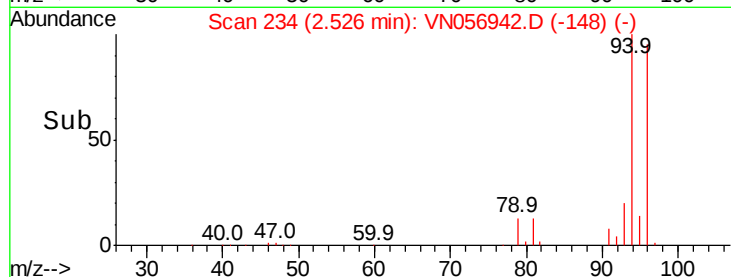
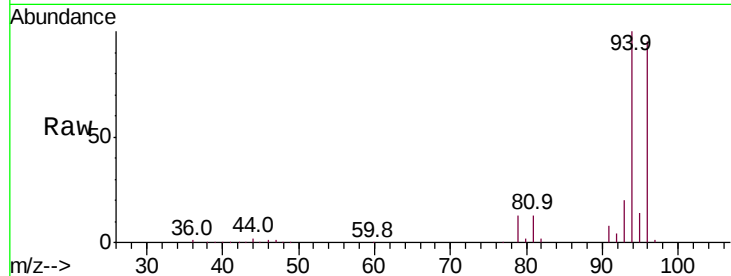
#5
Bromomethane
Concen: 92.218 ug/l
RT: 2.53 min Scan# 234
Delta R.T. -0.02 min
Lab File: VN056942.D
Acq: 26 Jul 2019 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 94 Resp: 420682
Ion Ratio Lower Upper
94 100
96 94.6 76.2 114.2

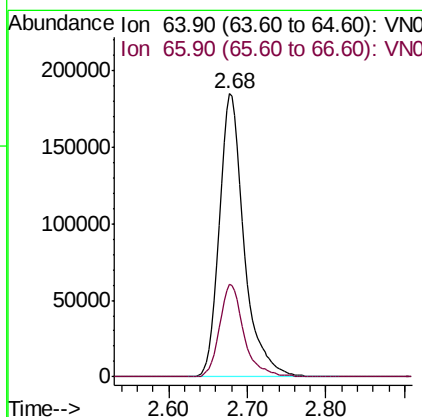
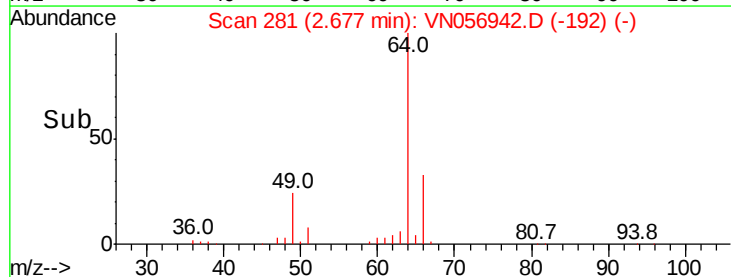
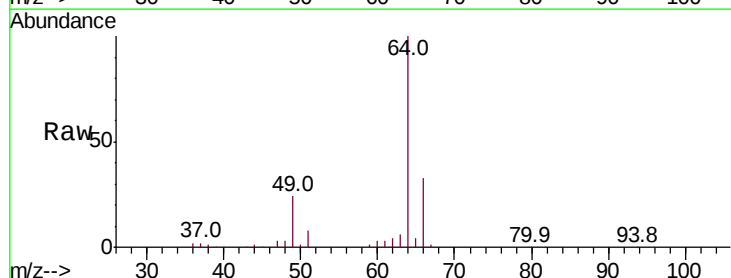
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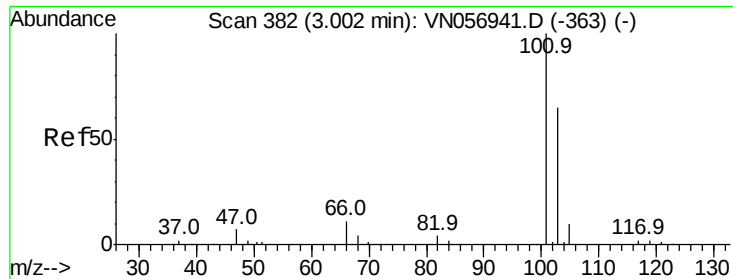
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#6
Chloroethane
Concen: 95.742 ug/l
RT: 2.68 min Scan# 281
Delta R.T. -0.01 min
Lab File: VN056942.D
Acq: 26 Jul 2019 11:09

Tgt Ion: 64 Resp: 400652
Ion Ratio Lower Upper
64 100
66 32.6 25.8 38.8





#7

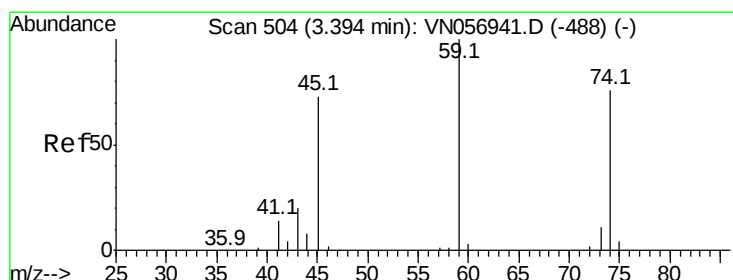
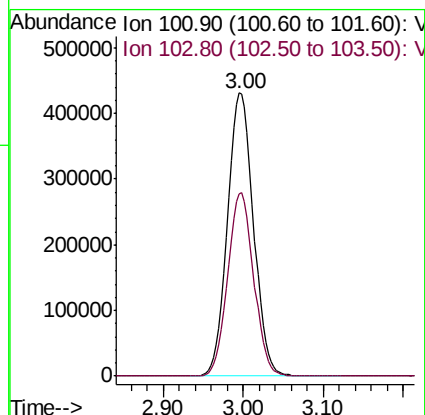
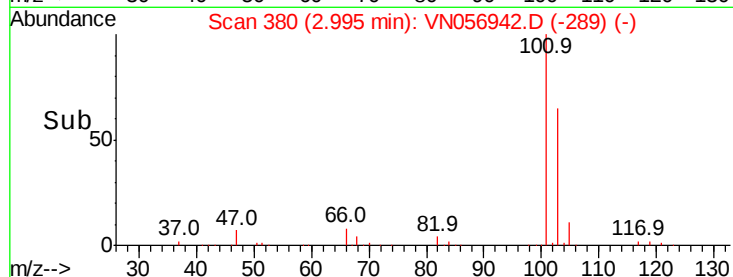
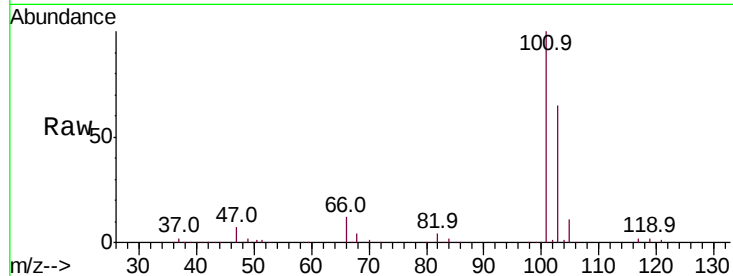
Trichlorofluoromethane
Concen: 97.675 ug/l
RT: 3.00 min Scan# 380
Delta R.T. -0.01 min
Lab File: VN056942.D
Acq: 26 Jul 2019 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:101 Resp: 962003
Ion Ratio Lower Upper
101 100
103 64.6 52.1 78.1

Manual Integrations
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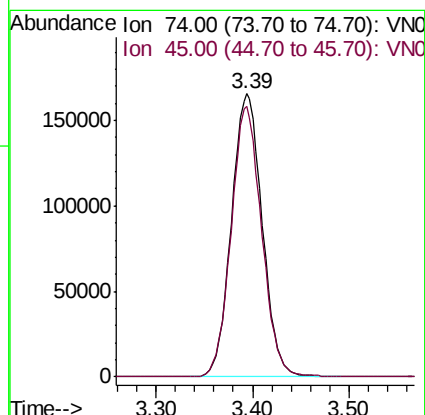
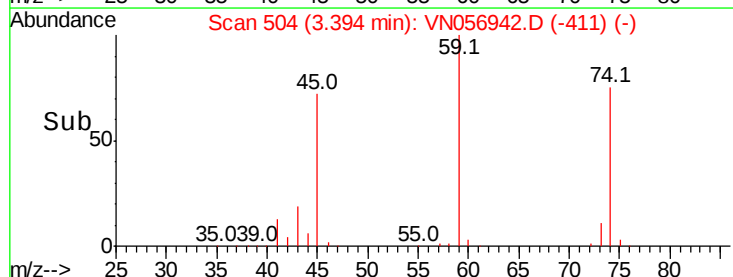
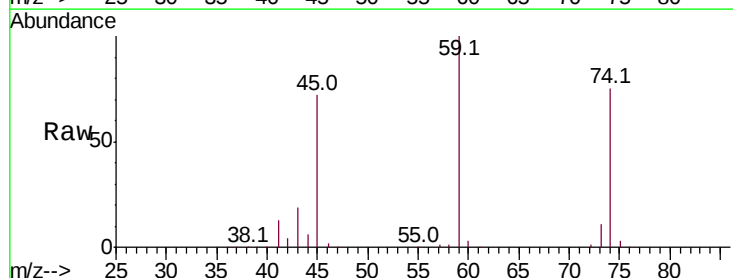
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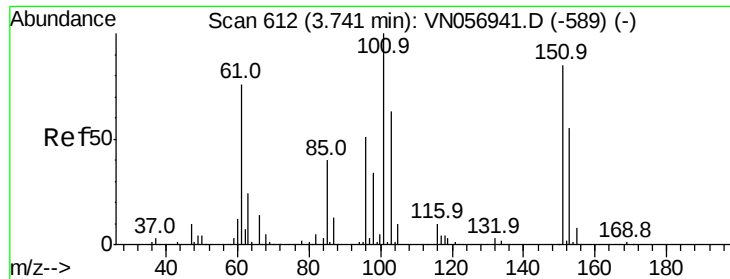


#8

Diethyl Ether
Concen: 99.122 ug/l
RT: 3.39 min Scan# 504
Delta R.T. 0.00 min
Lab File: VN056942.D
Acq: 26 Jul 2019 11:09

Tgt Ion: 74 Resp: 365534
Ion Ratio Lower Upper
74 100
45 94.8 48.1 144.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 96.427 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN056942.D

Acq: 26 Jul 2019 11:09

Instrument :

MSVOA_N

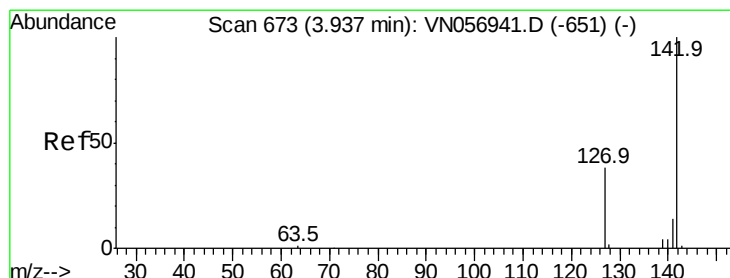
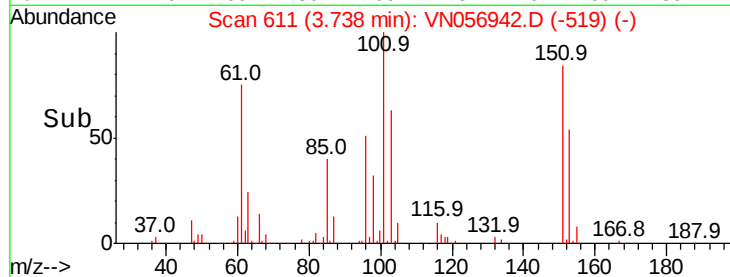
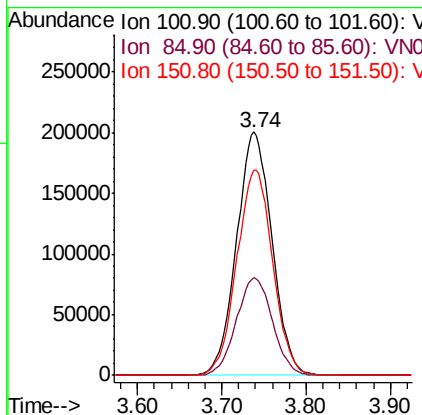
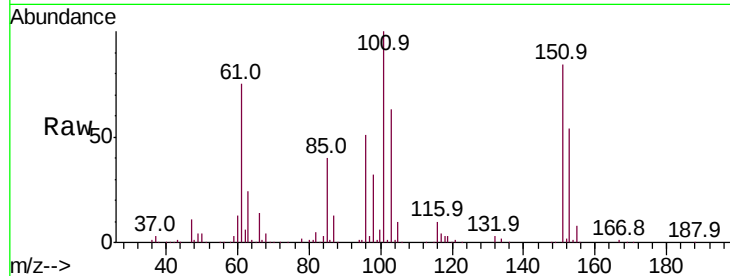
ClientSampled :

VSTDIC100

Tot Ion:	101	Resp:	586801
Ion Ratio	Lower	Upper	
101	100		
85	40.8	32.3	48.5
151	85.3	68.0	102.0

Manual Integrations
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#10

Methyl Iodide

Concen: 99.049 ug/l

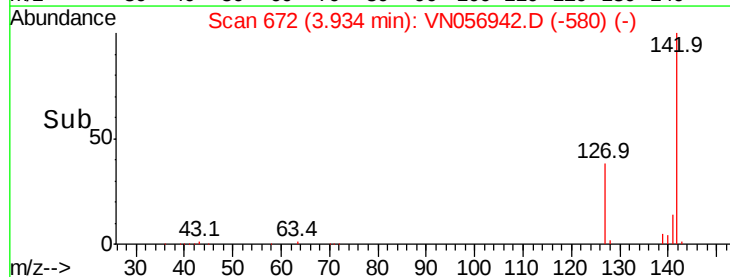
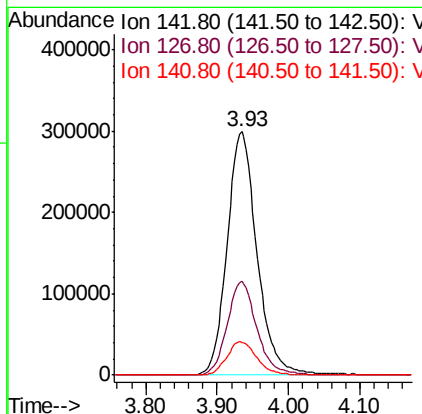
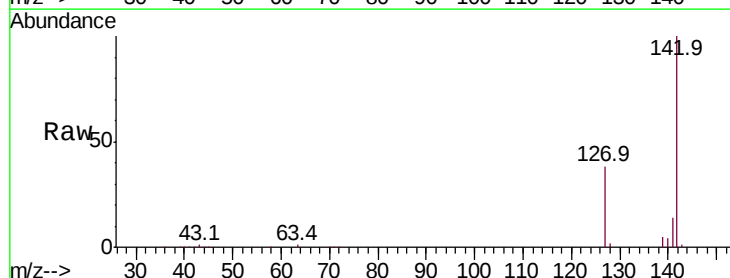
RT: 3.93 min Scan# 672

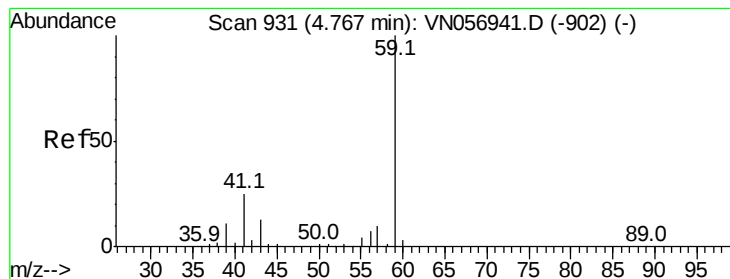
Delta R.T. -0.00 min

Lab File: VN056942.D

Acq: 26 Jul 2019 11:09

Tgt Ion:	142	Resp:	871352
Ion Ratio	Lower	Upper	
142	100		
127	38.2	30.4	45.6
141	14.0	11.1	16.7





#11

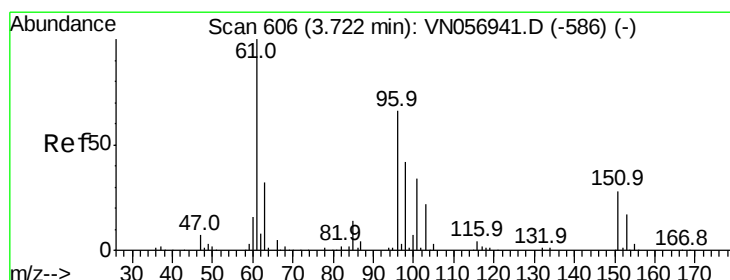
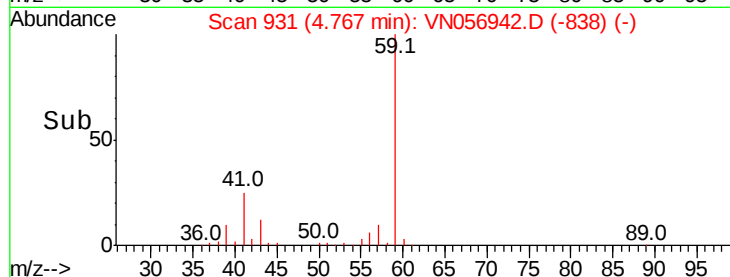
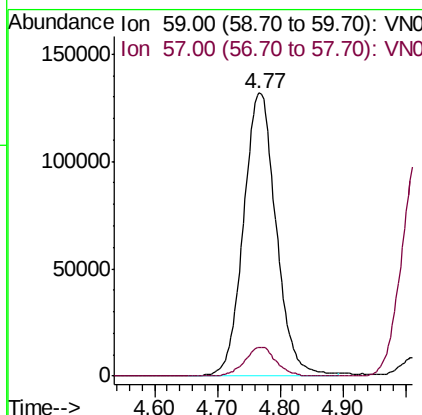
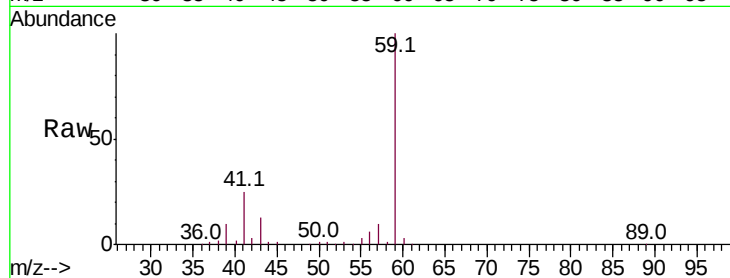
Tert butyl alcohol
Concen: 505.639 ug/l
RT: 4.77 min Scan# 931
Delta R.T. 0.00 min
Lab File: VN056942.D
Acq: 26 Jul 2019 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	7.5	11.3

Manual Integrations
APPROVED

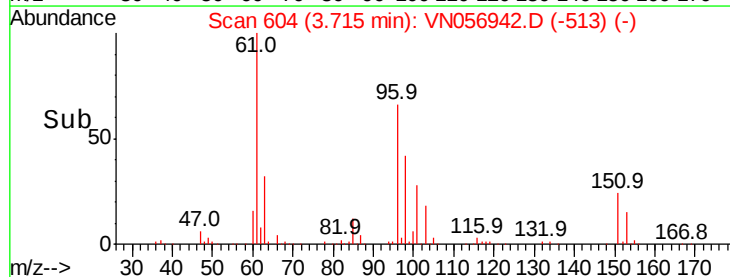
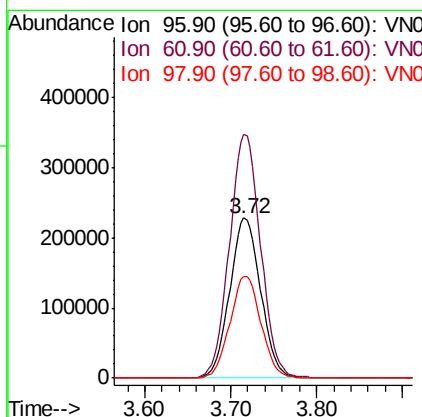
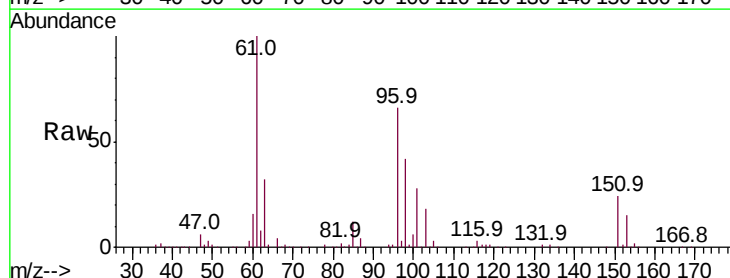
MMDadoda
8/2/2019 9:13:20 AM

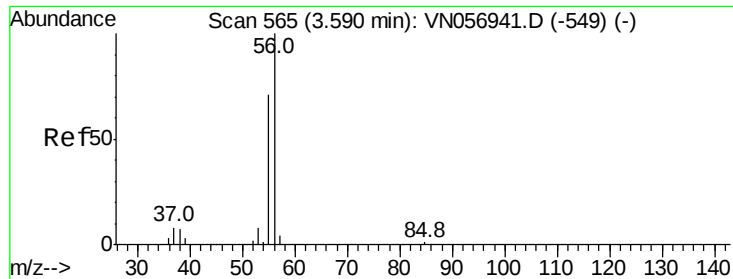


#12

1,1-Dichloroethene
Concen: 97.528 ug/l
RT: 3.72 min Scan# 604
Delta R.T. -0.01 min
Lab File: VN056942.D
Acq: 26 Jul 2019 11:09

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.0	121.8	182.8
98	63.7	51.7	77.5





#13

Acrolein

Concen: 437.139 ug/l

RT: 3.59 min Scan# 565

Delta R.T. 0.00 min

Lab File: VN056942.D

Acq: 26 Jul 2019 11:09

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 56 Resp: 227167

Ion Ratio Lower Upper

56 100

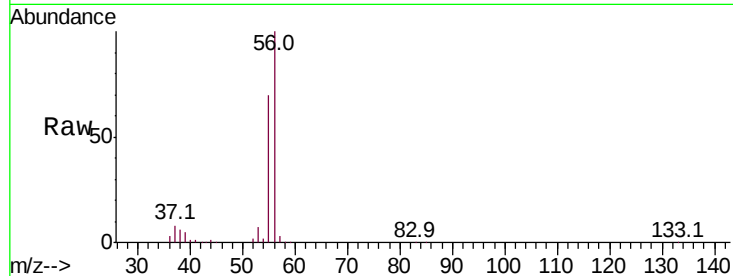
55 70.0 55.8 83.6

Manual Integrations

APPROVED

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Abundance Ion 56.00 (55.70 to 56.70): VN056941.D (-549) (-)

Ion 55.00 (54.70 to 55.70): VN056941.D (-549) (-)

3.59

100000

80000

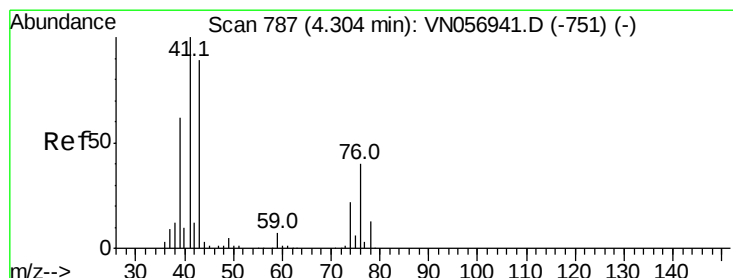
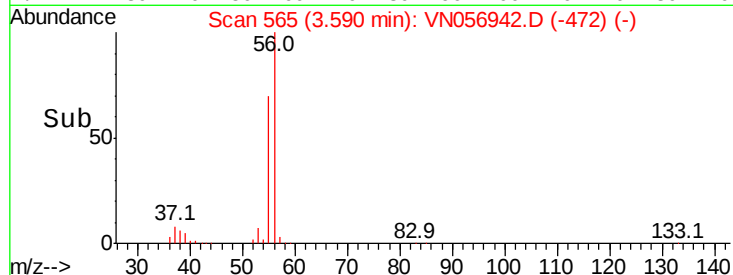
60000

40000

20000

0

Time-->



#14

Allyl chloride

Concen: 100.915 ug/l

RT: 4.30 min Scan# 786

Delta R.T. -0.00 min

Lab File: VN056942.D

Acq: 26 Jul 2019 11:09

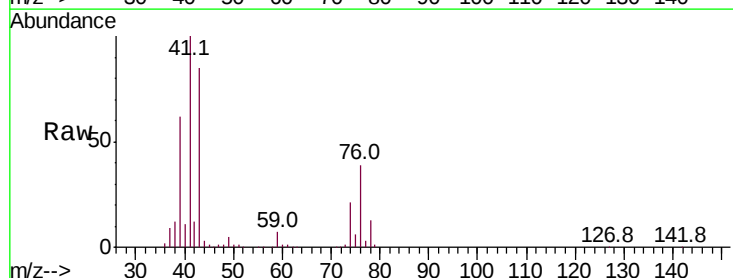
Tgt Ion: 41 Resp: 959177

Ion Ratio Lower Upper

41 100

39 58.3 46.4 69.6

76 35.5 28.4 42.6



Abundance Ion 41.00 (40.70 to 41.70): VN056941.D (-751) (-)

Ion 39.00 (38.70 to 39.70): VN056941.D (-751) (-)

Ion 75.90 (75.60 to 76.60): VN056941.D (-751) (-)

4.30

400000

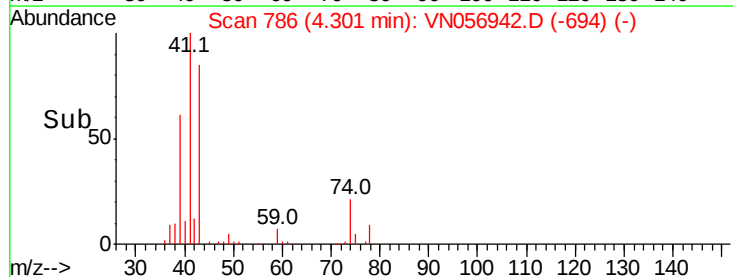
300000

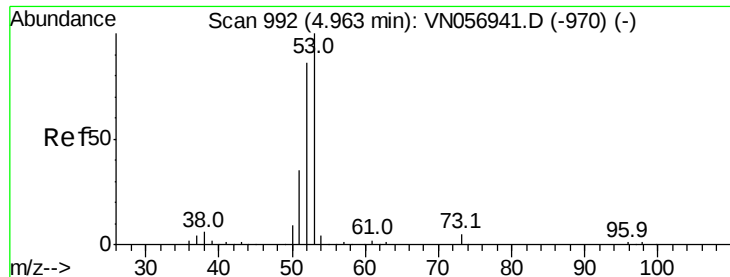
200000

100000

0

Time-->





#15

Acrylonitrile

Concen: 529.340 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN056942.D

Acq: 26 Jul 2019 11:09

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 53 Resp: 1427155

Ion Ratio Lower Upper

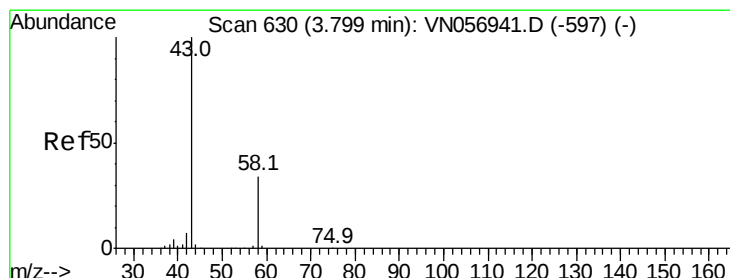
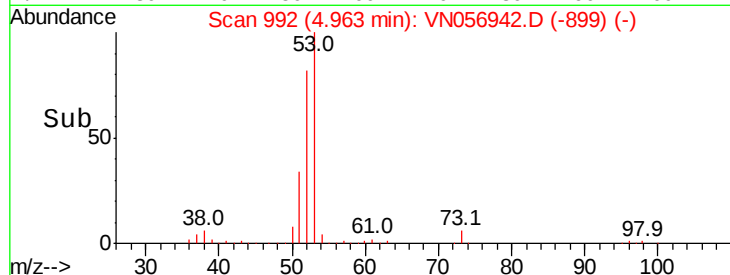
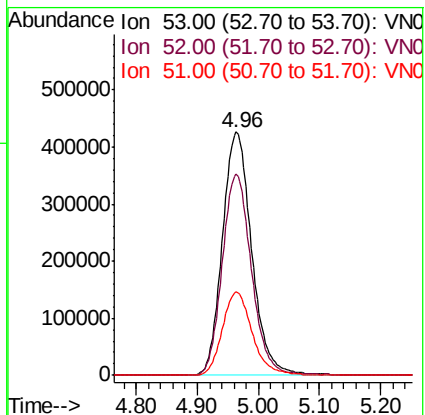
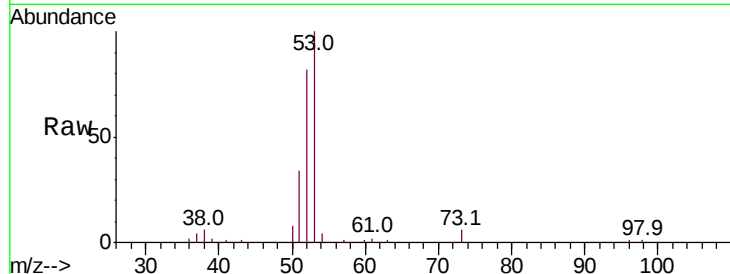
53 100

52 81.9 66.5 99.7

51 35.0 28.4 42.6

Manual Integrations
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MMDadoda
8/2/2019 9:13:20 AM



#16

Acetone

Concen: 539.157 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.00 min

Lab File: VN056942.D

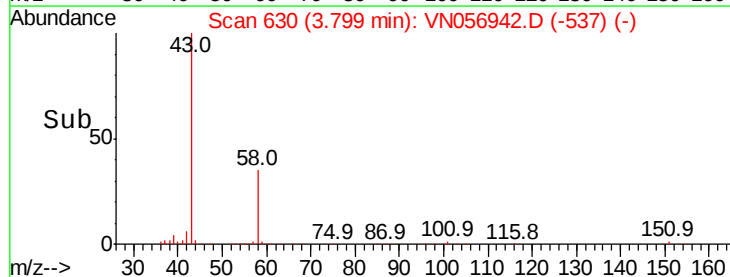
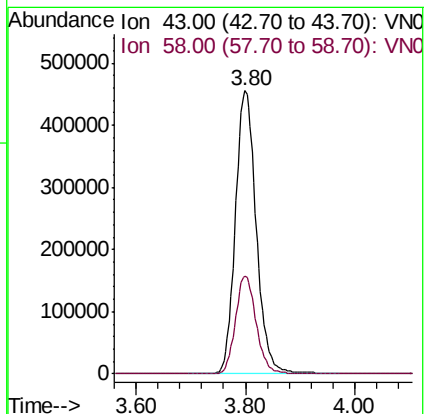
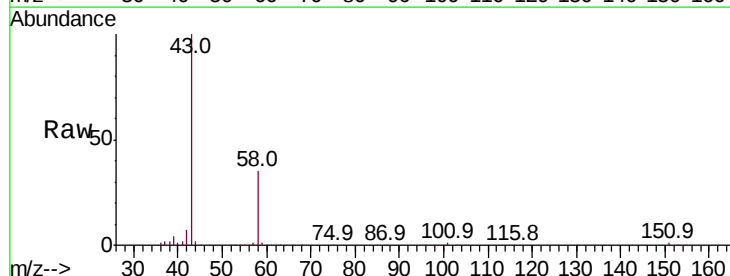
Acq: 26 Jul 2019 11:09

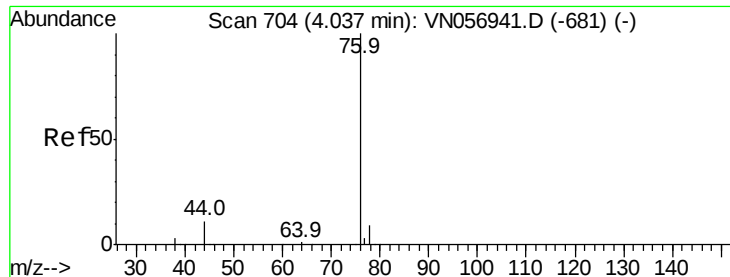
Tgt Ion: 43 Resp: 1211923

Ion Ratio Lower Upper

43 100

58 34.6 27.2 40.8





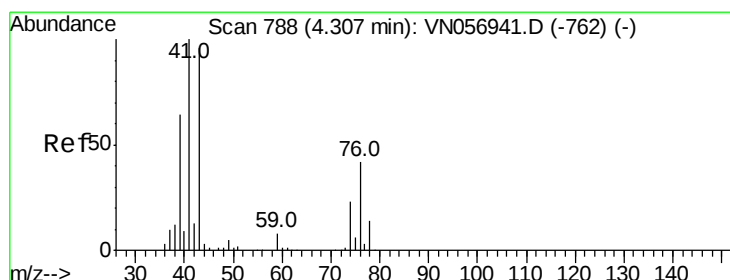
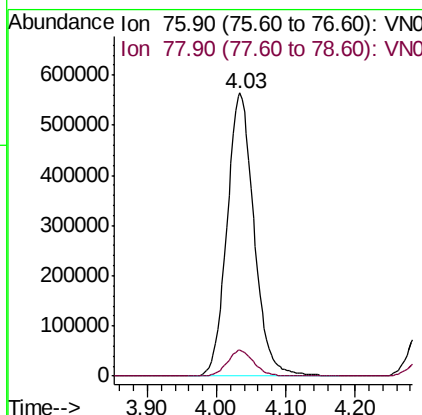
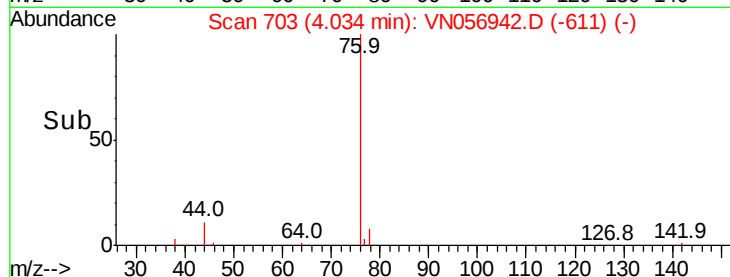
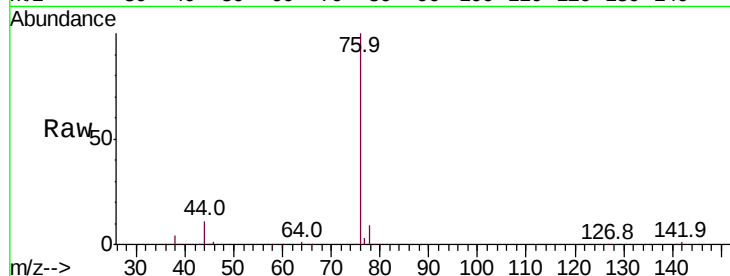
#17
Carbon Disulfide
Concen: 97.943 ug/l
RT: 4.03 min Scan# 703
Delta R.T. -0.00 min
Lab File: VN056942.D
Acq: 26 Jul 2019 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 76 Resp: 1536338
Ion Ratio Lower Upper
76 100
78 9.3 7.2 10.8

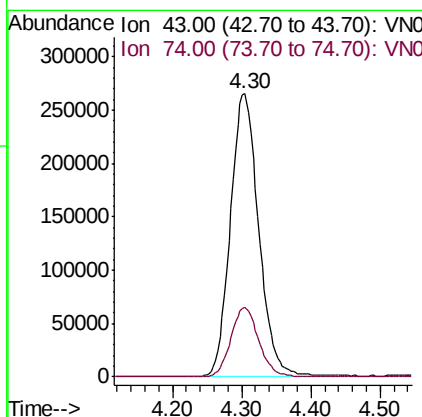
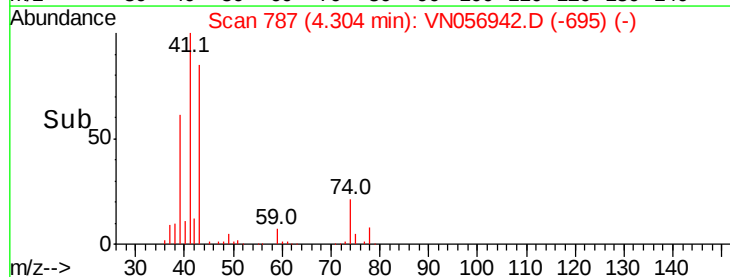
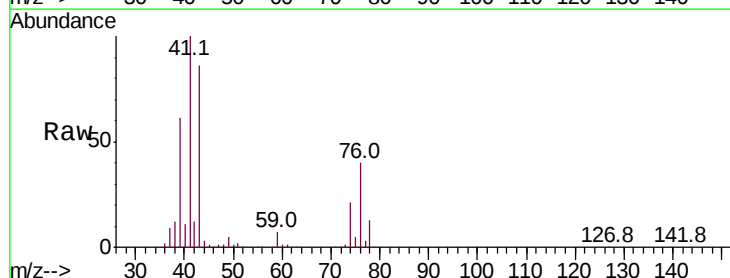
Manual Integrations
APPROVED

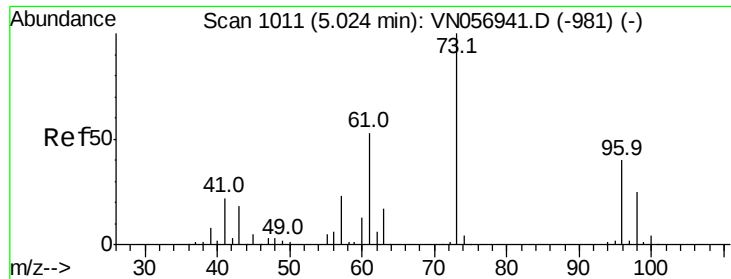
MMDadoda
8/2/2019 9:13:20 AM



#18
Methyl Acetate
Concen: 96.594 ug/l
RT: 4.30 min Scan# 787
Delta R.T. -0.00 min
Lab File: VN056942.D
Acq: 26 Jul 2019 11:09

Tgt Ion: 43 Resp: 754551
Ion Ratio Lower Upper
43 100
74 24.4 19.7 29.5





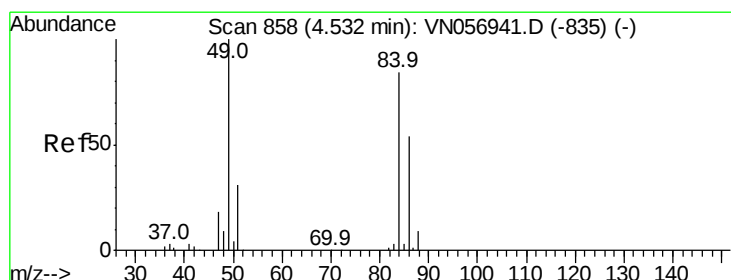
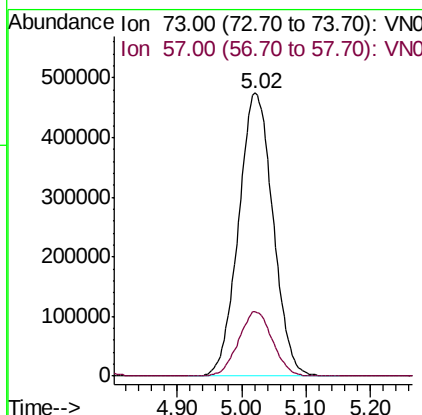
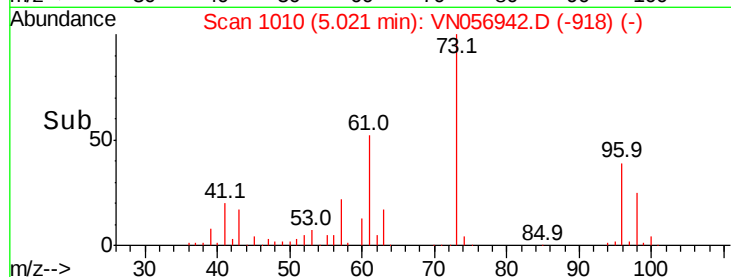
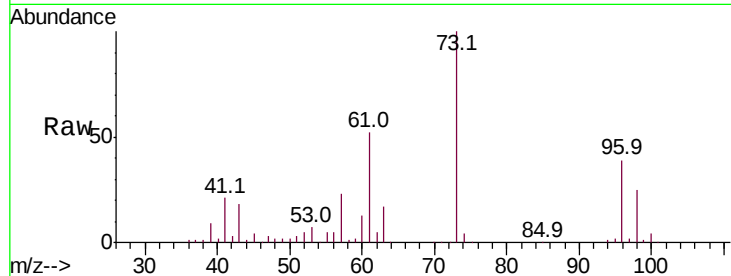
#19
Methvl tert-butvl Ether
Concen: 102.215 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VN056942.D
Acq: 26 Jul 2019 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 73 Resp: 1765727
Ion Ratio Lower Upper
73 100
57 22.7 18.3 27.5

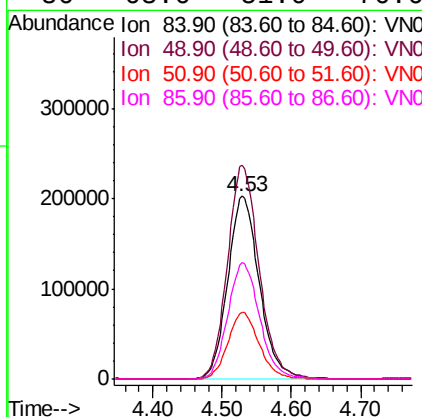
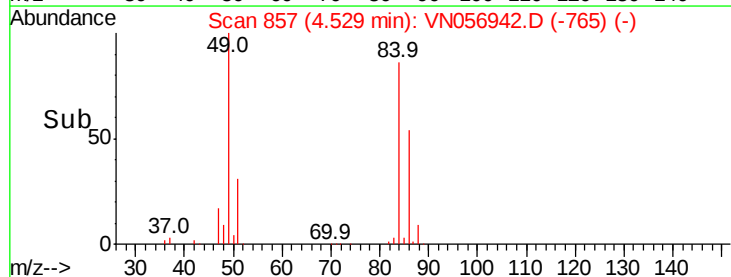
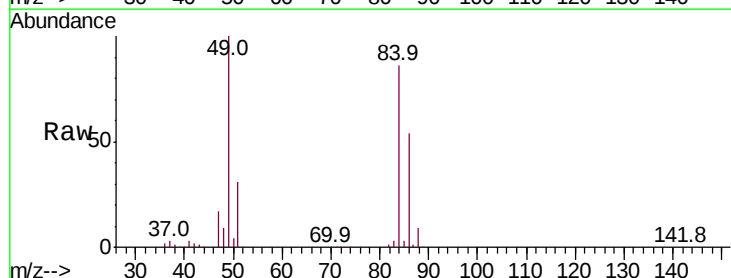
Manual Integrations
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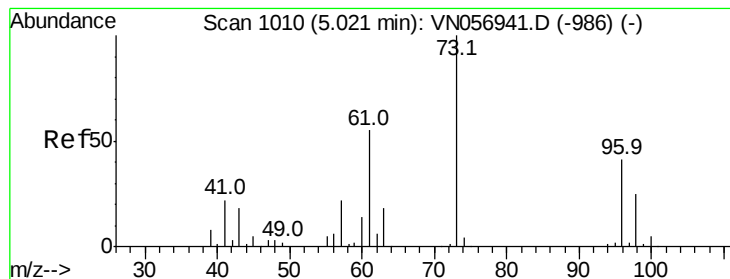
MMDadoda
8/2/2019 9:13:20 AM



#20
Methylene Chloride
Concen: 92.386 ug/l
RT: 4.53 min Scan# 857
Delta R.T. -0.00 min
Lab File: VN056942.D
Acq: 26 Jul 2019 11:09

Tgt Ion: 84 Resp: 643791
Ion Ratio Lower Upper
84 100
49 116.9 95.2 142.8
51 36.5 29.7 44.5
86 63.6 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 95.882 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. -0.00 min

Lab File: VN056942.D

Acq: 26 Jul 2019 11:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 96 Resp: 599726

Ion Ratio Lower Upper

96 100

61 135.5 107.5 161.3

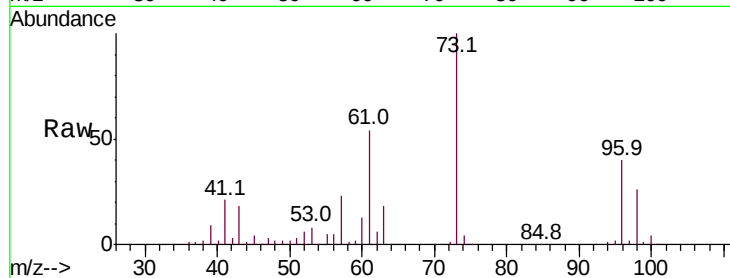
98 64.6 49.9 74.9

Manual Integrations

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MMDadoda

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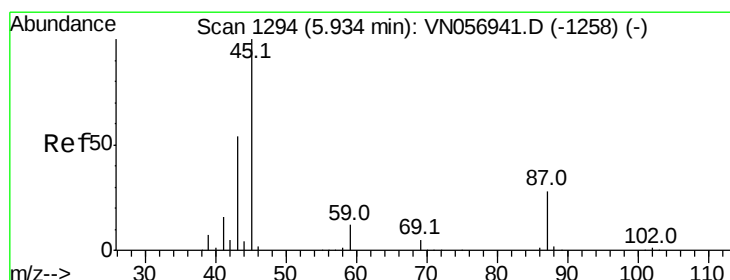
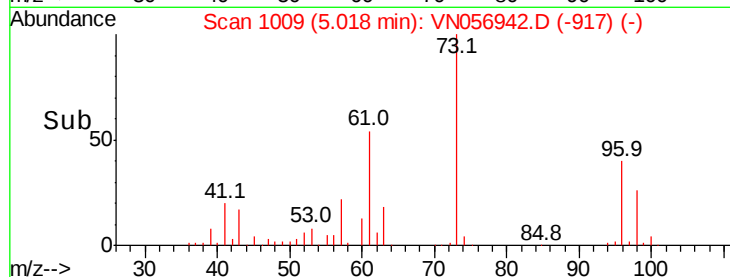
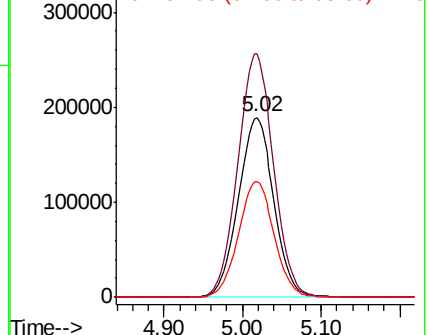


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 98.553 ug/l

RT: 5.93 min Scan# 1293

Delta R.T. -0.00 min

Lab File: VN056942.D

Acq: 26 Jul 2019 11:09

Tgt Ion: 45 Resp: 1901340

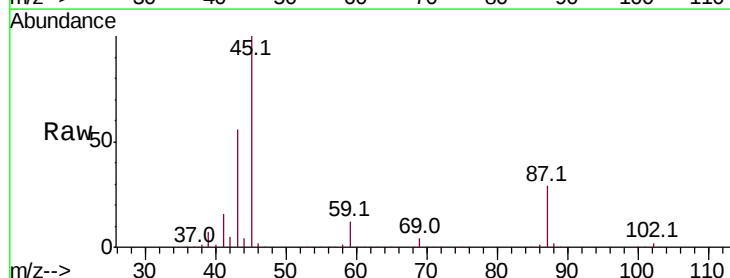
Ion Ratio Lower Upper

45 100

43 55.6 44.7 67.1

87 29.1 23.0 34.6

59 12.0 9.8 14.8



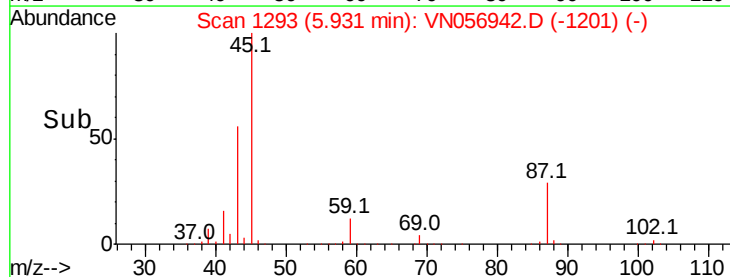
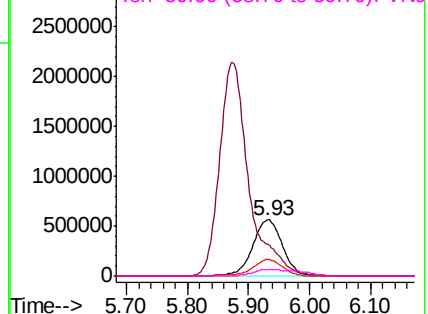
Abundance

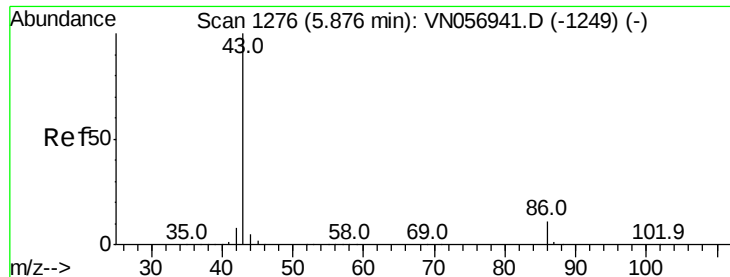
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





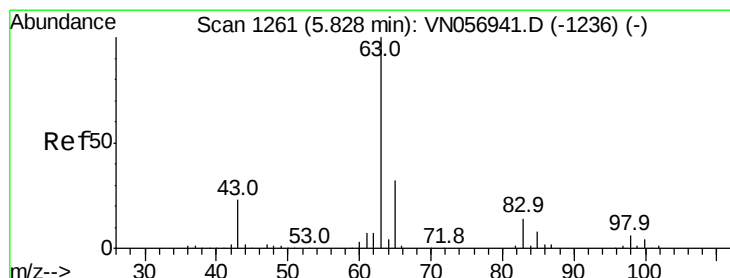
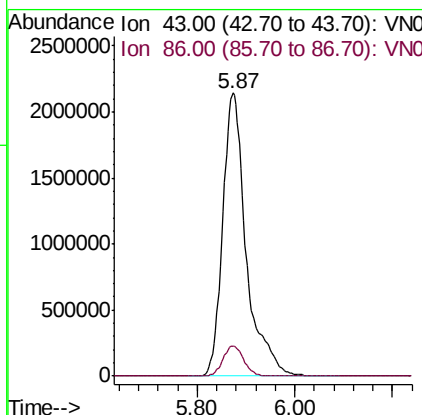
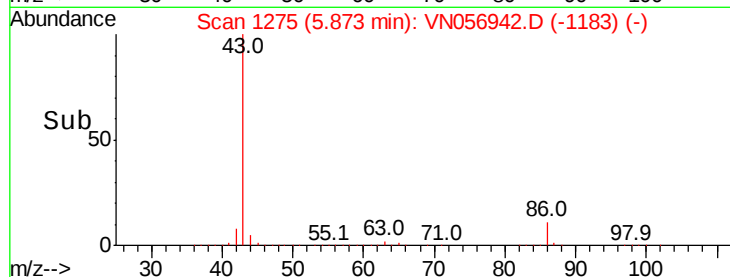
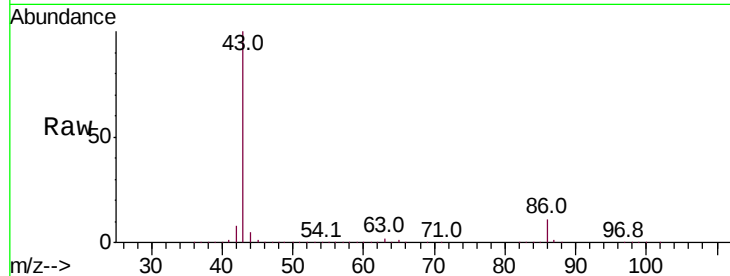
#23
 Vinyl Acetate
 Concen: 534.437 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. -0.00 min
 Lab File: VN056942.D
 Acq: 26 Jul 2019 11:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 43 Resp: 7142194
 Ion Ratio Lower Upper
 43 100
 86 10.8 8.5 12.7

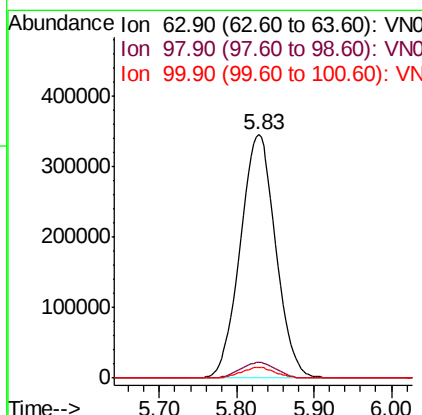
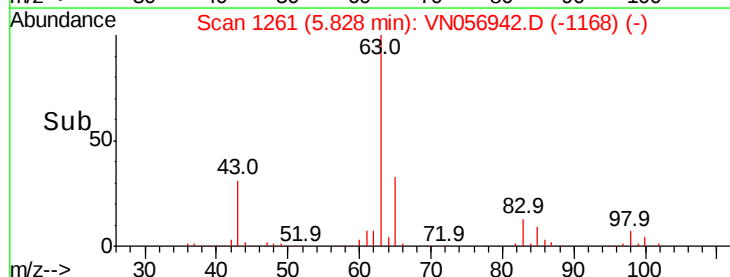
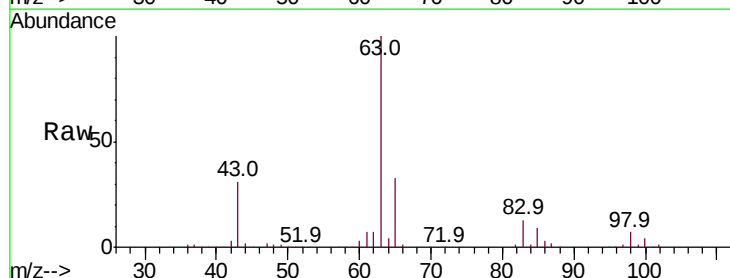
Manual Integrations
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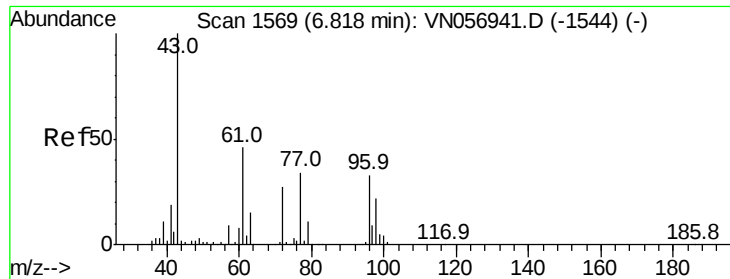
MMDadoda
 8/2/2019 9:13:20 AM



#24
 1,1-Dichloroethane
 Concen: 97.048 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VN056942.D
 Acq: 26 Jul 2019 11:09

Tgt Ion: 63 Resp: 1101796
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.2 9.6
 100 4.4 2.1 6.3





#25

2-Butanone

Concen: 536.329 ug/l

RT: 6.82 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VN056942.D

Acq: 26 Jul 2019 11:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1849997

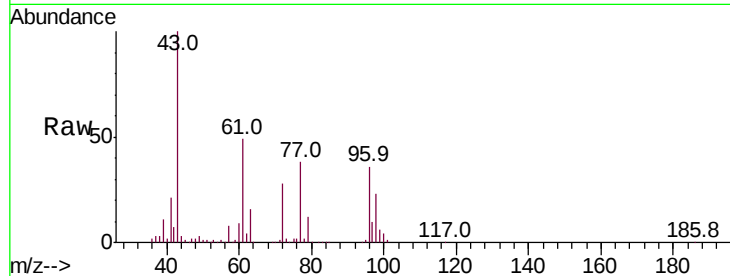
Ion Ratio Lower Upper

43 100

72 28.0 21.5 32.3

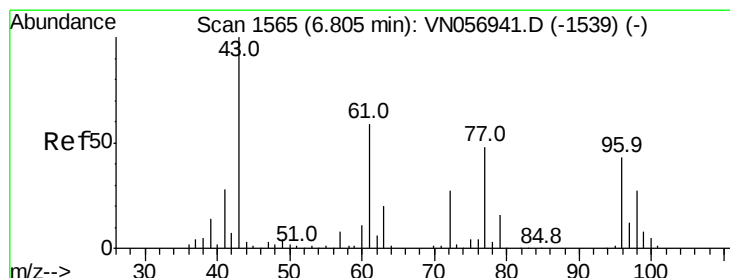
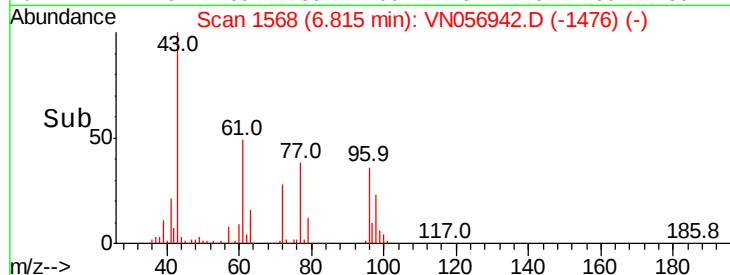
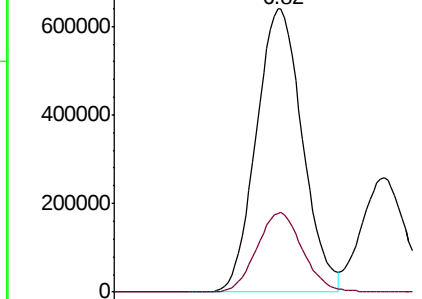
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 103.256 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN056942.D

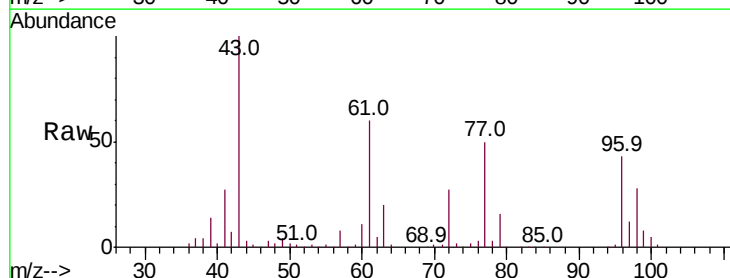
Acq: 26 Jul 2019 11:09

Tgt Ion: 77 Resp: 862078

Ion Ratio Lower Upper

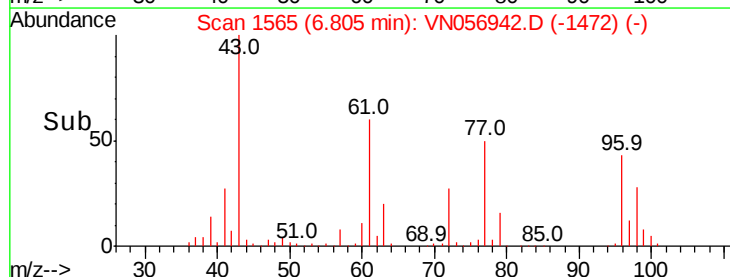
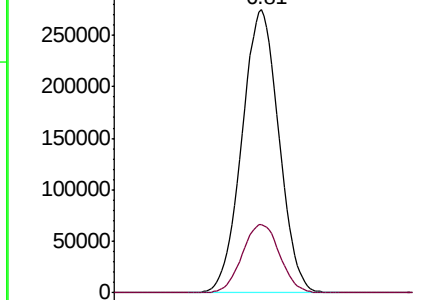
77 100

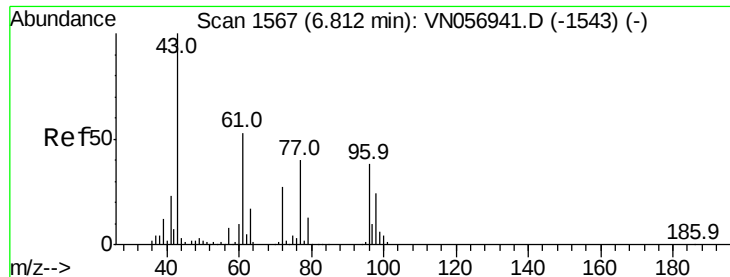
97 24.5 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 97.744 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN056942.D

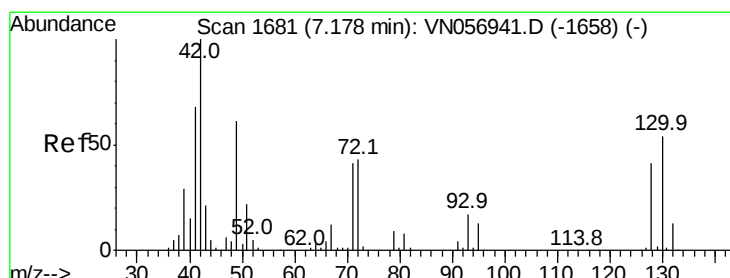
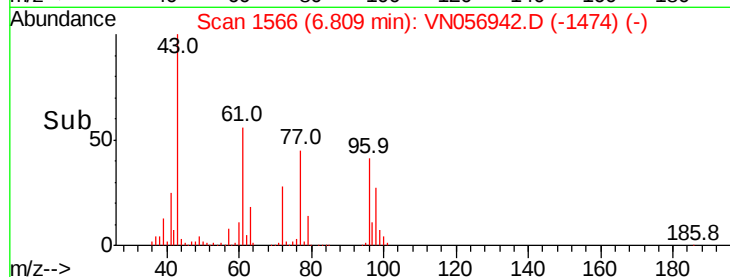
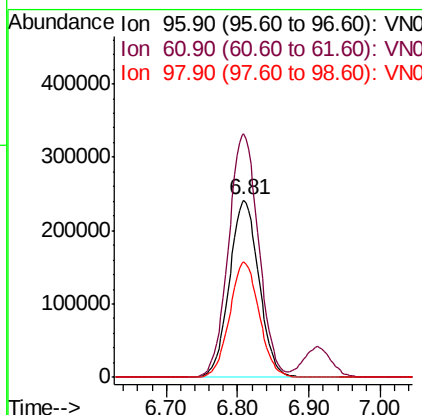
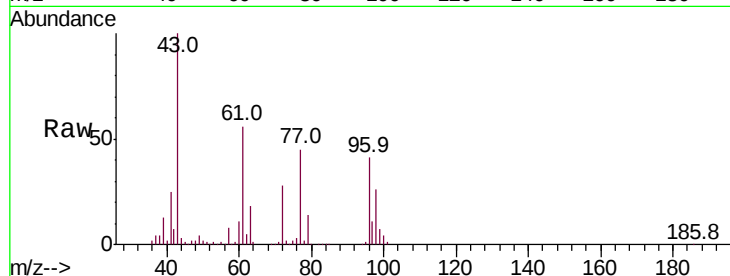
Acq: 26 Jul 2019 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.9	0.0	277.2
98	65.2	0.0	128.4

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#28

Bromochloromethane

Concen: 96.591 ug/l

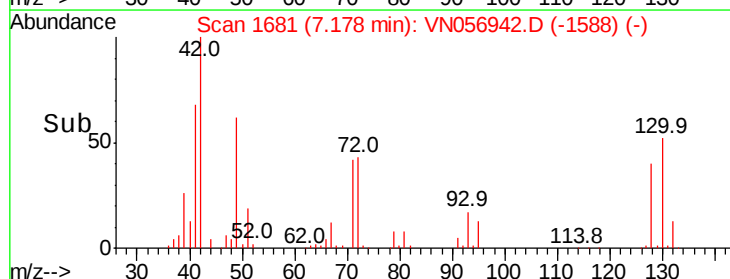
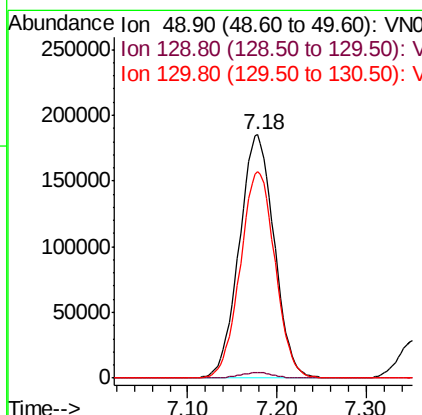
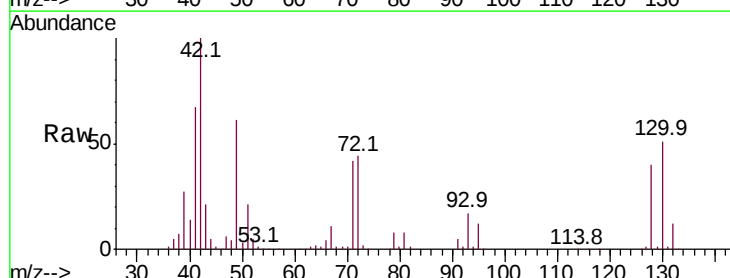
RT: 7.18 min Scan# 1681

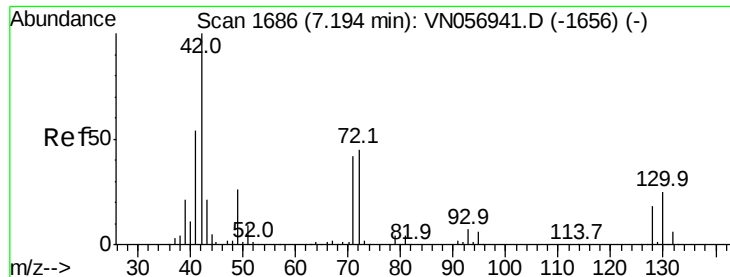
Delta R.T. 0.00 min

Lab File: VN056942.D

Acq: 26 Jul 2019 11:09

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.6
130	84.7	69.0	103.4





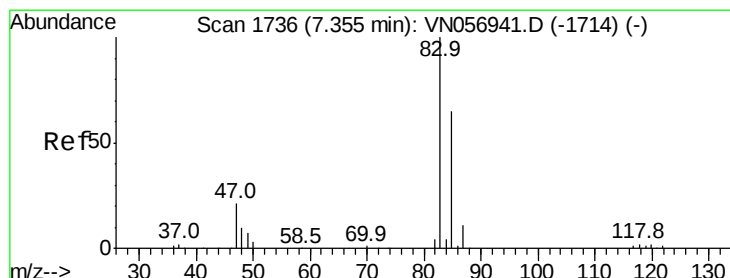
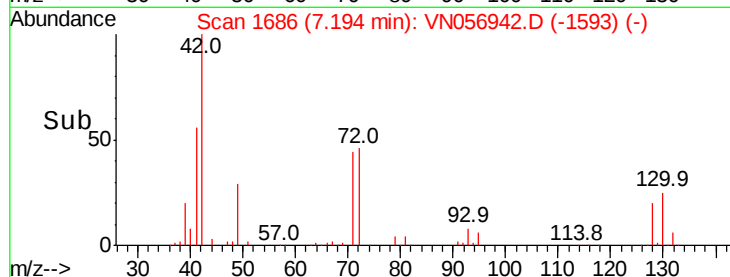
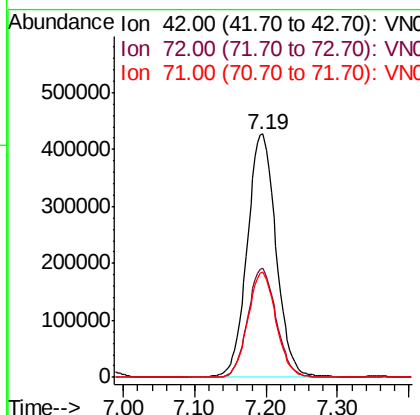
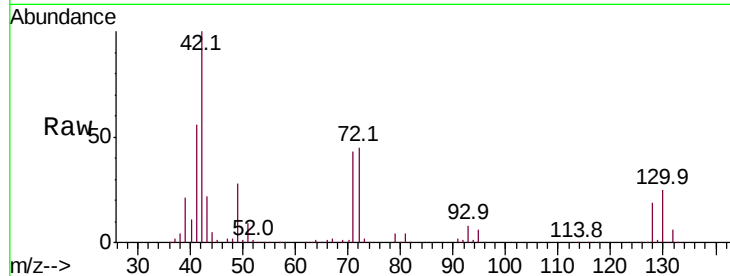
#29
Tetrahydrofuran
Concen: 531.807 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN056942.D
Acq: 26 Jul 2019 11:09

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion: 42 Resp: 1199955
Ion Ratio Lower Upper
42 100
72 44.3 35.6 53.4
71 42.2 33.5 50.3

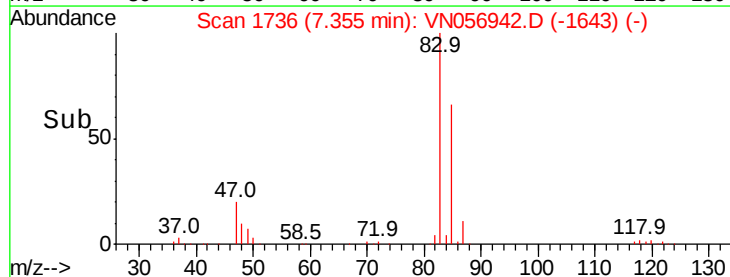
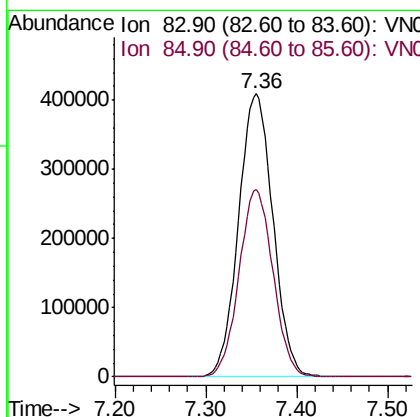
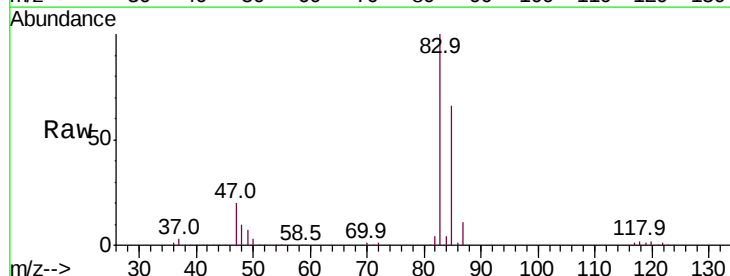
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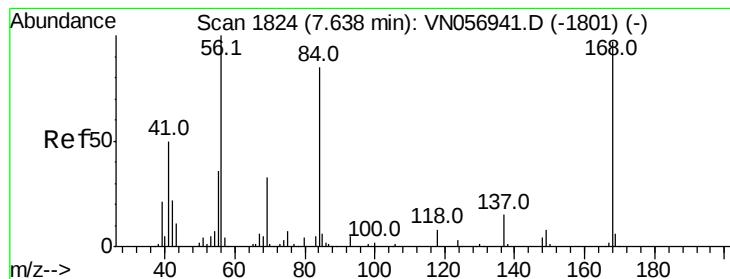
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#30
Chloroform
Concen: 91.933 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN056942.D
Acq: 26 Jul 2019 11:09

Tgt Ion: 83 Resp: 1074529
Ion Ratio Lower Upper
83 100
85 66.3 52.2 78.2





#31

Cyclohexane

Concen: 94.956 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN056942.D

Acq: 26 Jul 2019 11:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 1048637

Ion Ratio Lower Upper

56 100

69 31.9 26.2 39.2

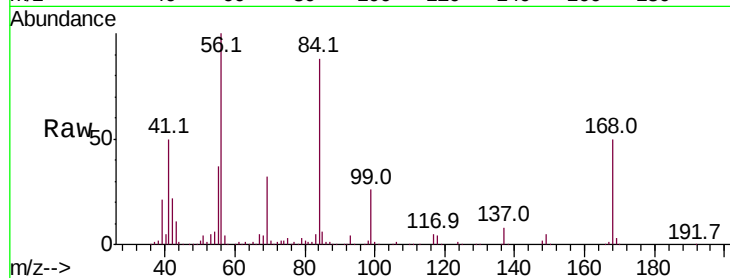
84 86.7 68.2 102.2

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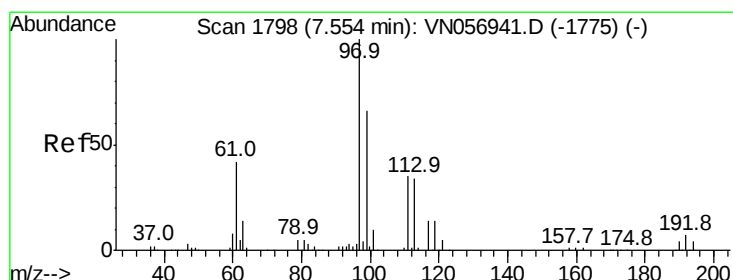
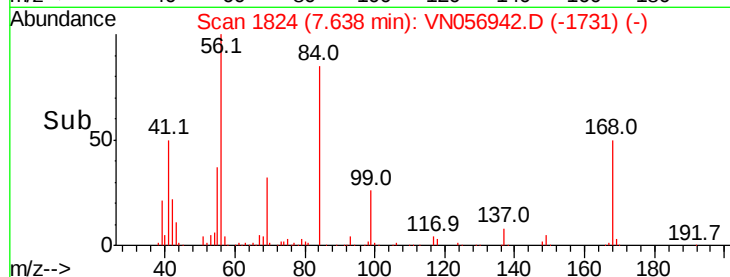
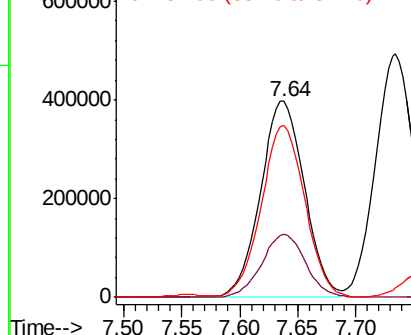
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Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO



#32

1,1,1-Trichloroethane

Concen: 98.876 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VN056942.D

Acq: 26 Jul 2019 11:09

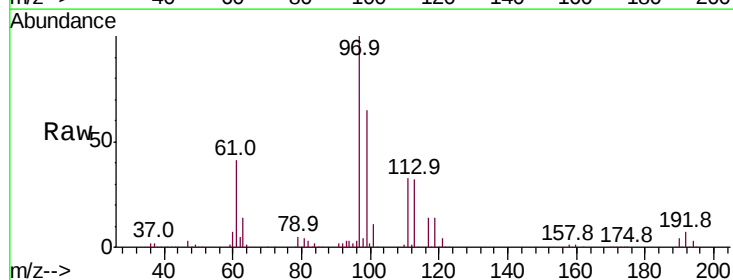
Tgt Ion: 97 Resp: 923788

Ion Ratio Lower Upper

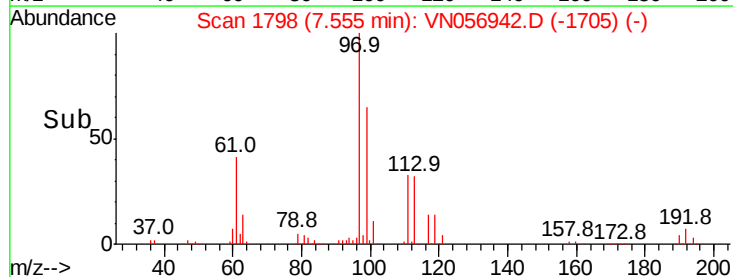
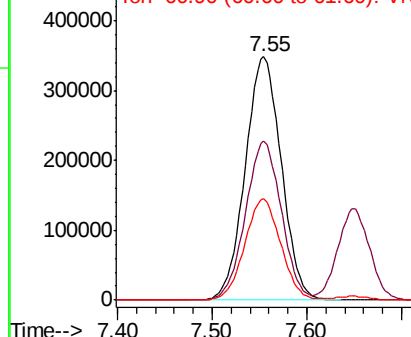
97 100

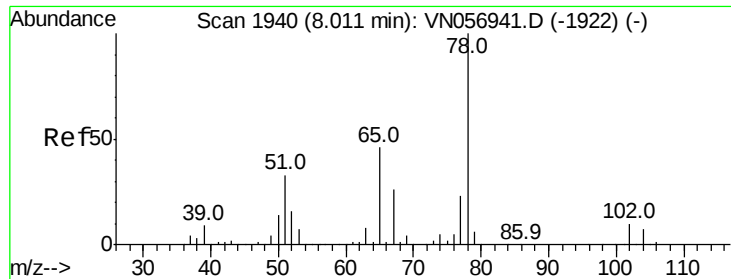
99 64.8 52.3 78.5

61 41.5 33.9 50.9



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 98.90 (98.60 to 99.60): VNO
Ion 60.90 (60.60 to 61.60): VNO





#33

1,2-Dichloroethane-d4

Concen: 92.765 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.00 min

Lab File: VN056942.D

Acq: 26 Jul 2019 11:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 65 Resp: 604710

Ion Ratio Lower Upper

65 100

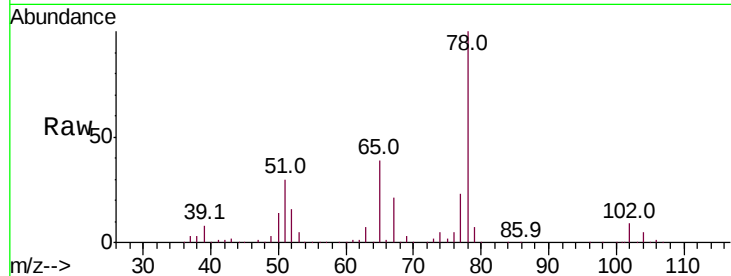
67 55.2 0.0 112.0

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Abundance Ion 64.90 (64.60 to 65.60): VN056942.D (-1847) (-)

Ion 66.90 (66.60 to 67.60): VN056942.D (-1847) (-)

8.01

250000

200000

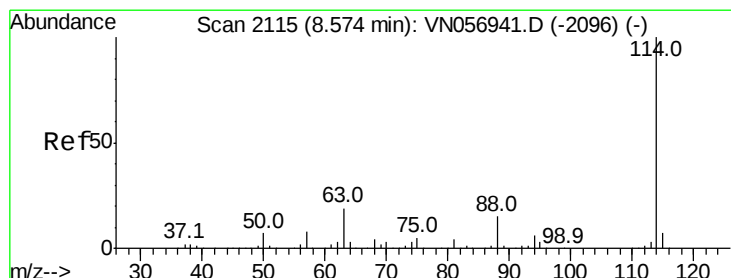
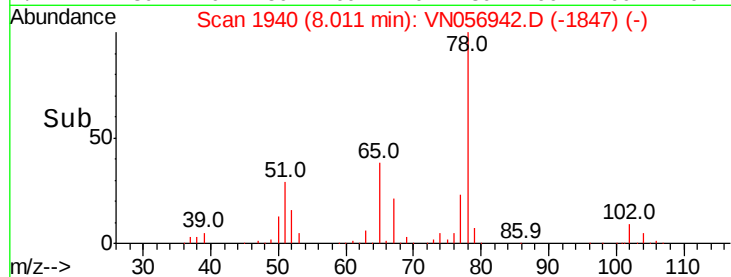
150000

100000

50000

0

Time--> 7.90 7.95 8.00 8.05 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VN056942.D

Acq: 26 Jul 2019 11:09

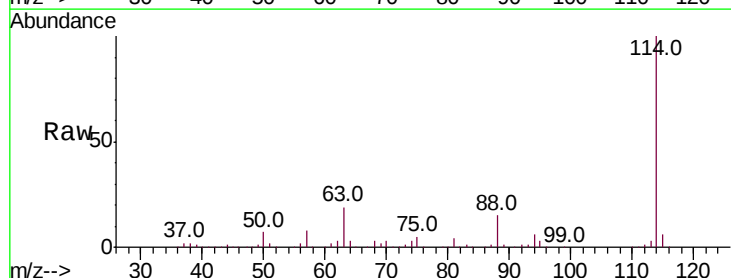
Tgt Ion: 114 Resp: 933524

Ion Ratio Lower Upper

114 100

63 18.9 0.0 38.0

88 15.1 0.0 30.0



Abundance Ion 113.90 (113.60 to 114.60): VN056942.D (-2022) (-)

Ion 63.00 (62.70 to 63.70): VN056942.D (-2022) (-)

Ion 87.90 (87.60 to 88.60): VN056942.D (-2022) (-)

8.57

600000

500000

400000

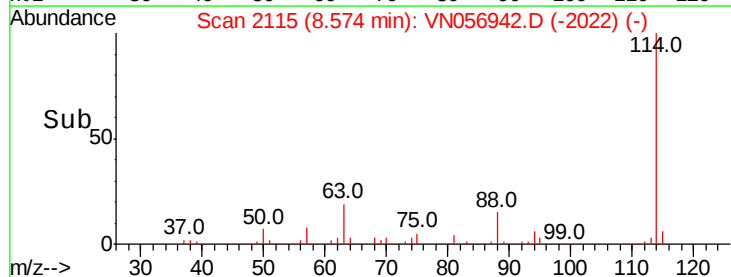
300000

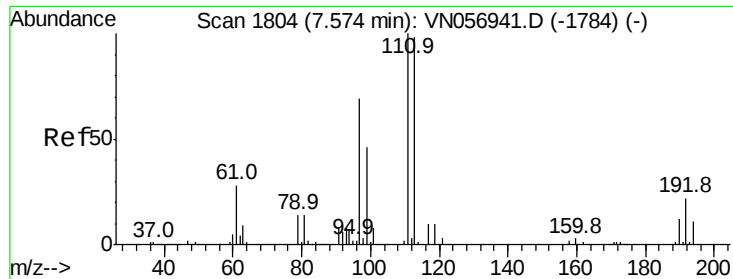
200000

100000

0

Time--> 8.50 8.60 8.70





#35

Dibromofluoromethane

Concen: 94.610 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN056942.D

Acq: 26 Jul 2019 11:09

Instrument :

MSVOA_N

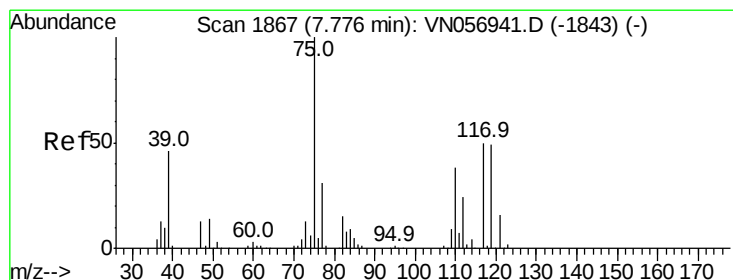
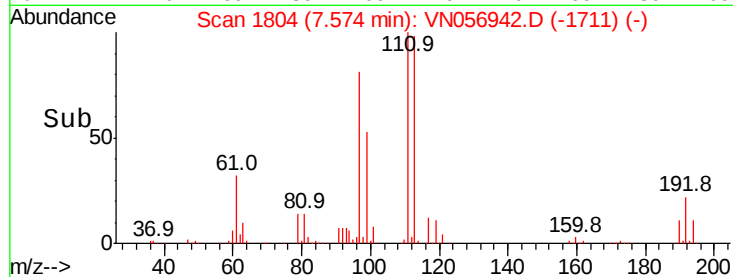
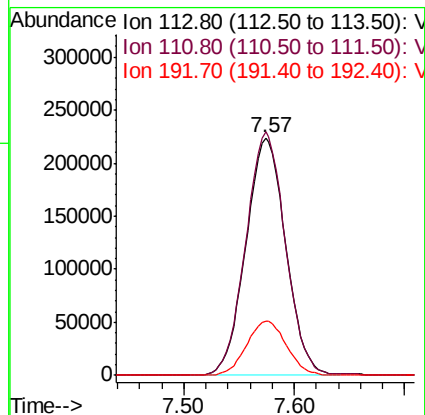
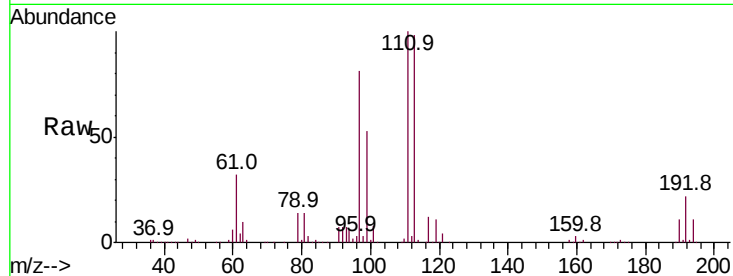
ClientSampleId :

VSTDIC100

Tot Ion:	113	Resp:	560098
Ion Ratio	Lower	Upper	
113	100		
111	102.2	82.0	123.0
192	23.0	18.4	27.6

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#36

1,1-Dichloropropene

Concen: 100.710 ug/l

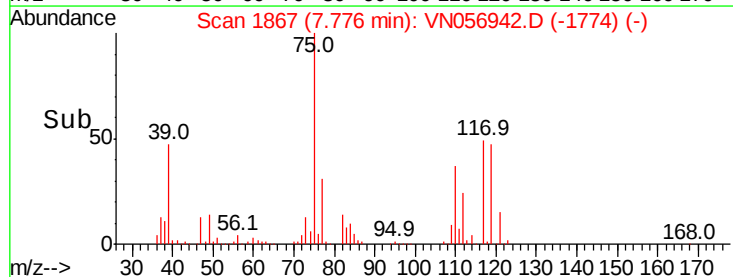
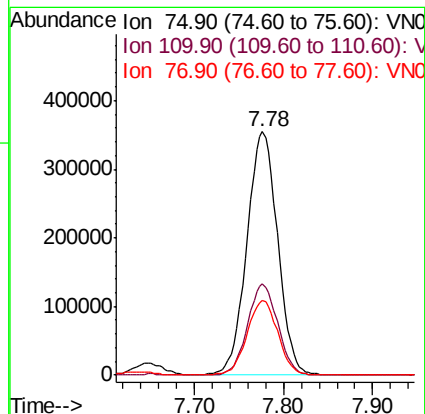
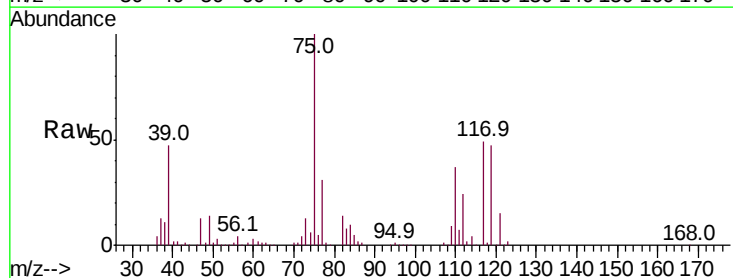
RT: 7.78 min Scan# 1867

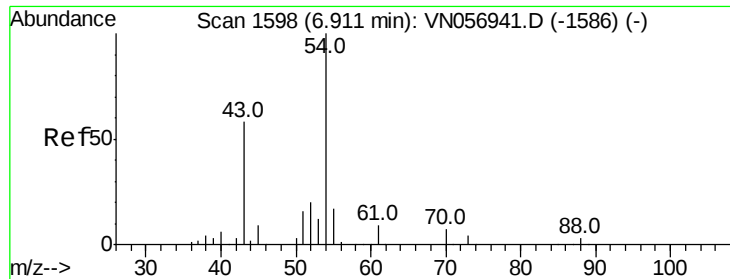
Delta R.T. 0.00 min

Lab File: VN056942.D

Acq: 26 Jul 2019 11:09

Tgt Ion:	75	Resp:	848455
Ion Ratio	Lower	Upper	
75	100		
110	36.8	18.6	55.8
77	30.9	25.2	37.8





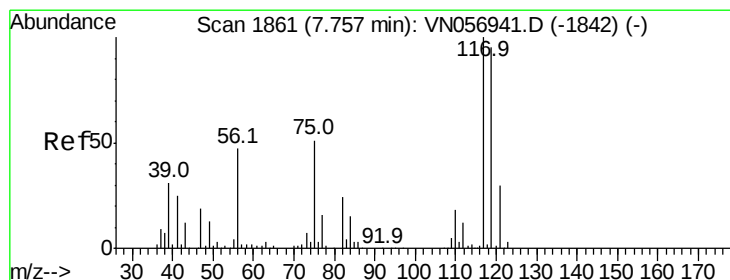
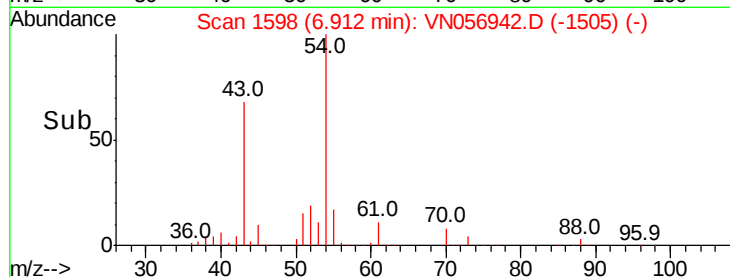
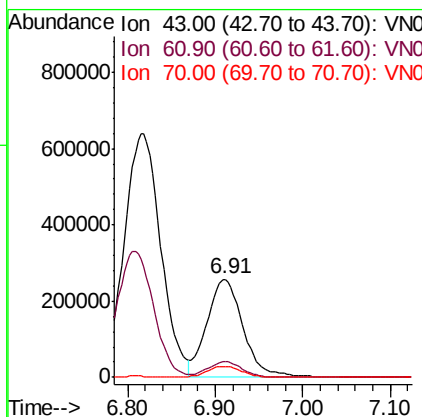
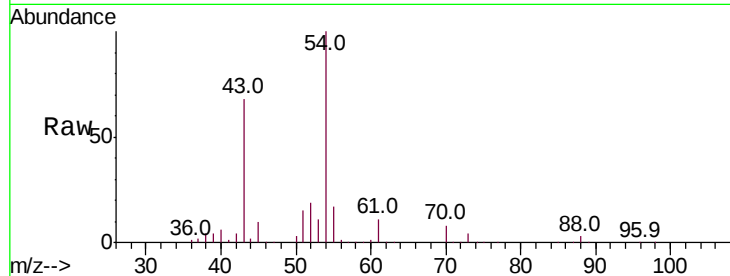
#37
Ethyl Acetate
Concen: 105.185 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN056942.D
Acq: 26 Jul 2019 11:09

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	43	Resp	727546
Ion Ratio	100	Lower	Upper
43	100		
61	15.3	11.8	17.6
70	11.0	8.5	12.7

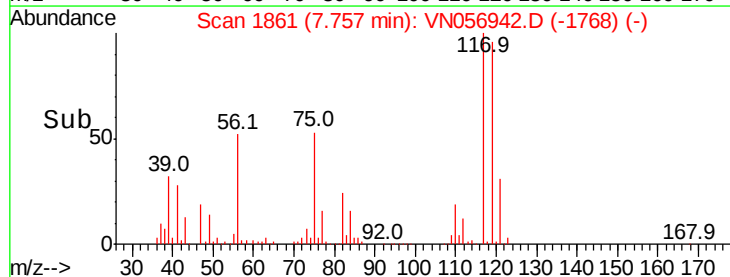
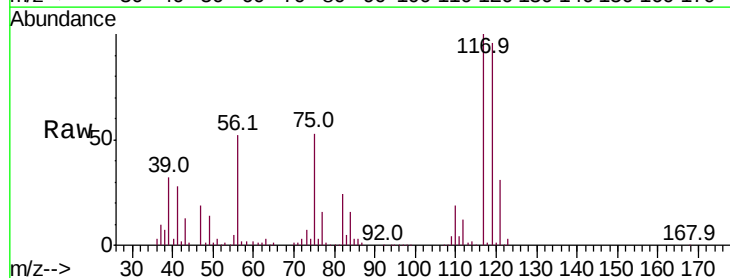
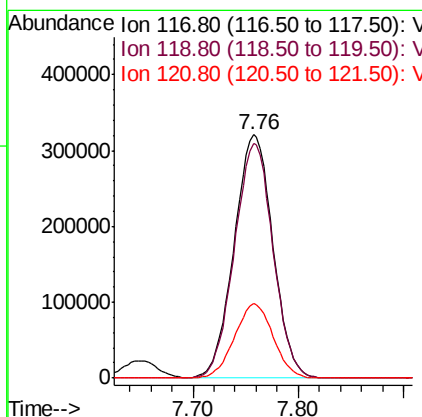
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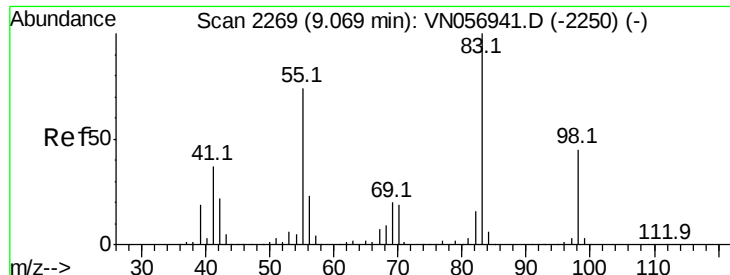
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#38
Carbon Tetrachloride
Concen: 102.238 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN056942.D
Acq: 26 Jul 2019 11:09

Tgt Ion	117	Resp	820132
Ion Ratio	100	Lower	Upper
117	100		
119	96.1	75.3	112.9
121	30.8	24.2	36.4





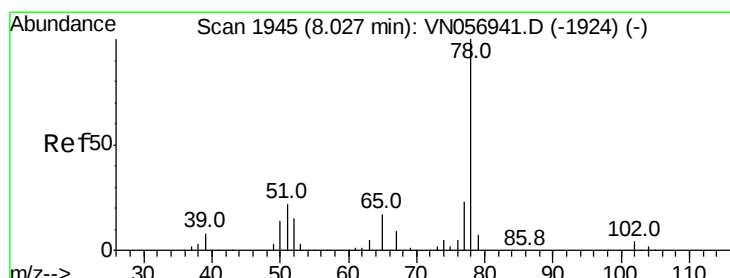
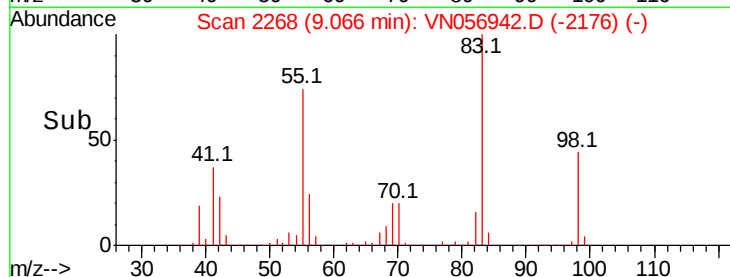
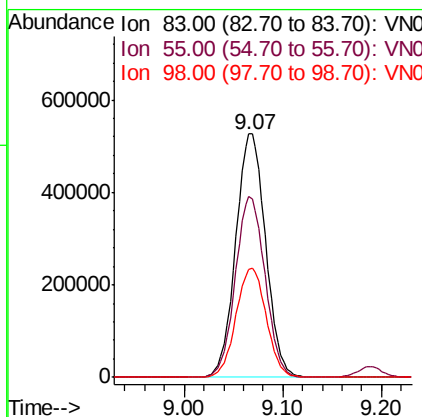
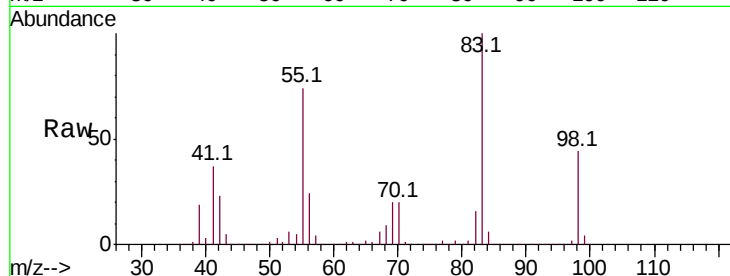
#39
Methvlcvclohexane
Concen: 107.254 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN056942.D
Acq: 26 Jul 2019 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 83 Resp: 1104711
Ion Ratio Lower Upper
83 100
55 74.3 59.0 88.6
98 44.5 36.2 54.4

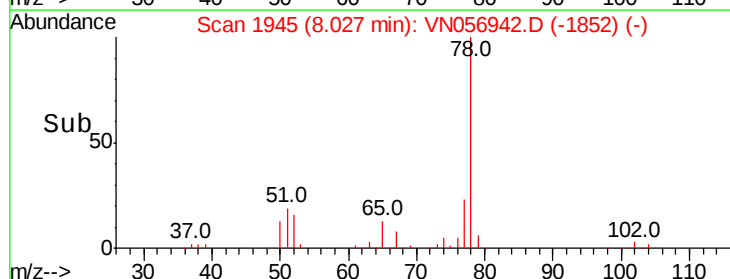
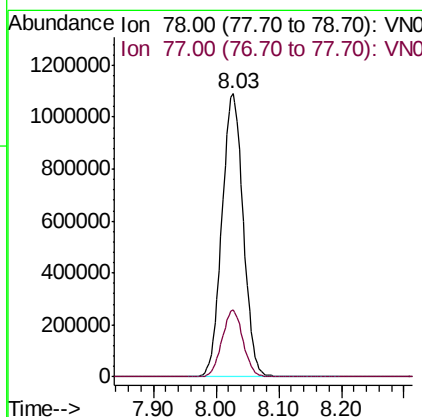
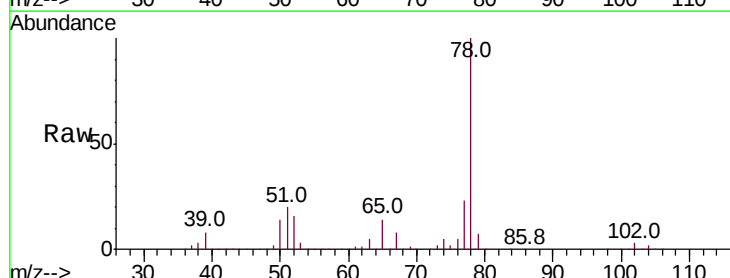
Manual Integrations
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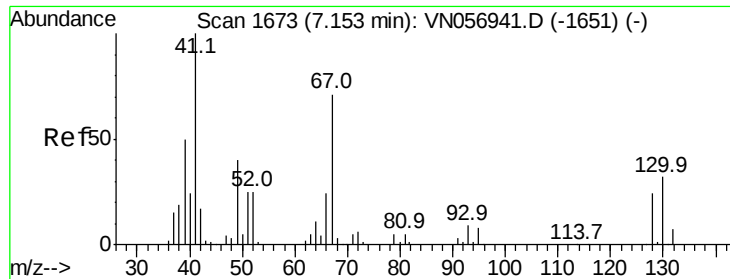
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#40
Benzene
Concen: 98.003 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN056942.D
Acq: 26 Jul 2019 11:09

Tgt Ion: 78 Resp: 2564610
Ion Ratio Lower Upper
78 100
77 23.5 18.3 27.5





#41

Methacrylonitrile

Concen: 111.868 ug/l m

RT: 7.16 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VN056942.D

Acq: 26 Jul 2019 11:09

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 41 Resp: 344198

Ion Ratio Lower Upper

41 100

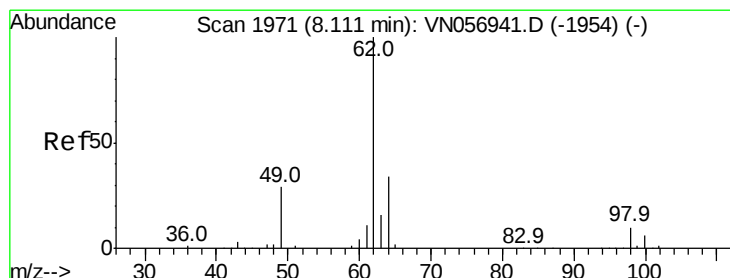
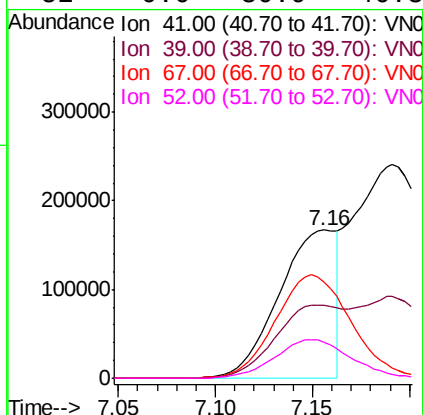
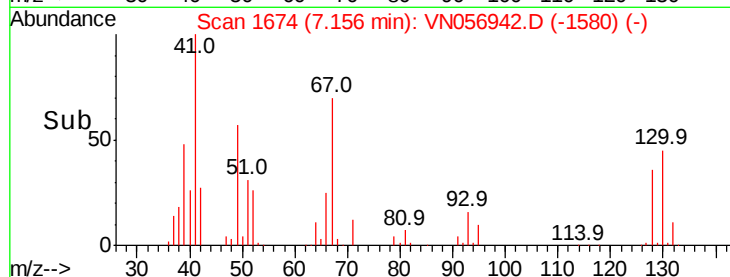
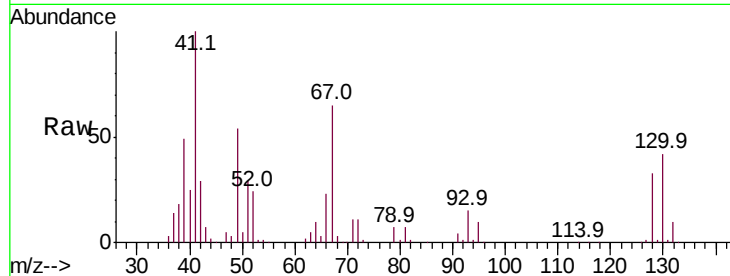
39 0.0 48.9 73.3#

67 0.0 83.4 125.0#

52 0.0 30.9 46.3#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 97.763 ug/l

RT: 8.11 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VN056942.D

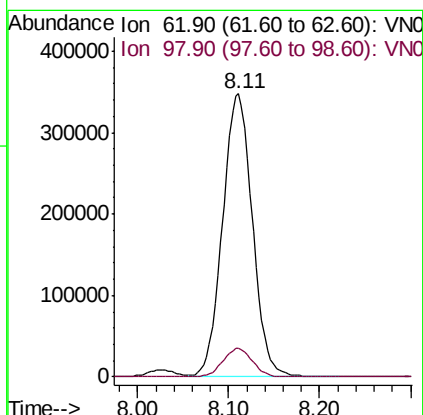
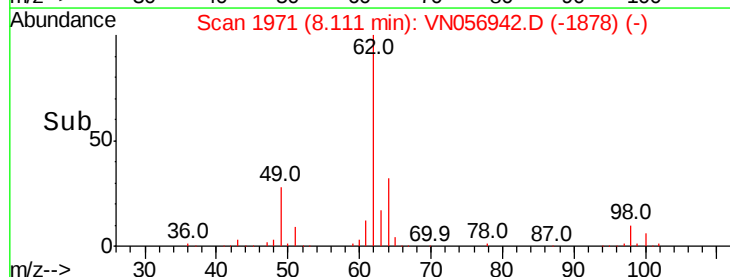
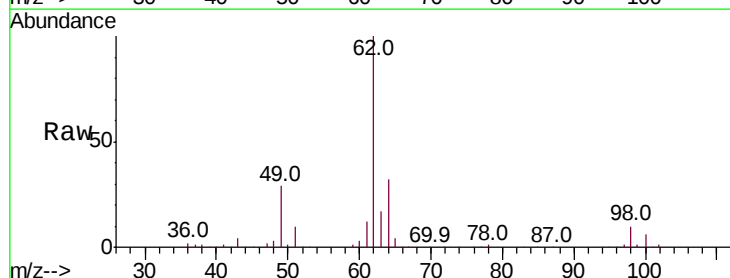
Acq: 26 Jul 2019 11:09

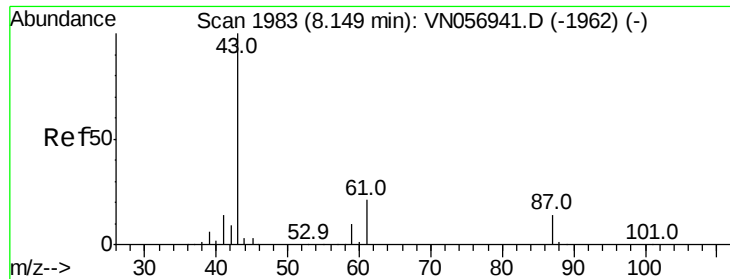
Tgt Ion: 62 Resp: 788982

Ion Ratio Lower Upper

62 100

98 10.0 0.0 20.6





#43

Isopropyl Acetate

Concen: 105.653 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VN056942.D

Acq: 26 Jul 2019 11:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1195453

Ion Ratio Lower Upper

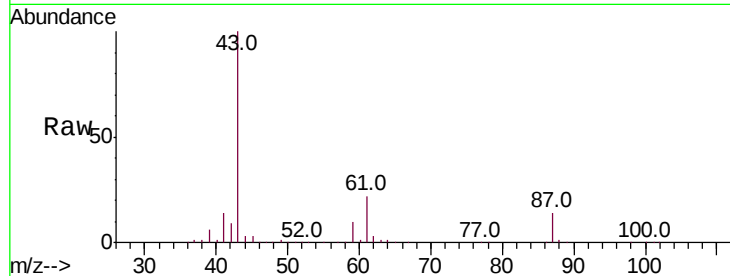
43 100

61 29.1 23.0 34.6

87 14.5 11.7 17.5

Manual Integrations
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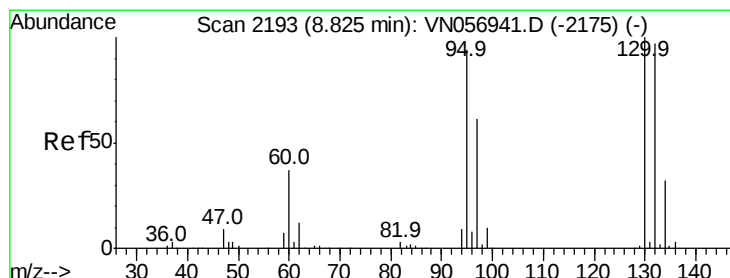
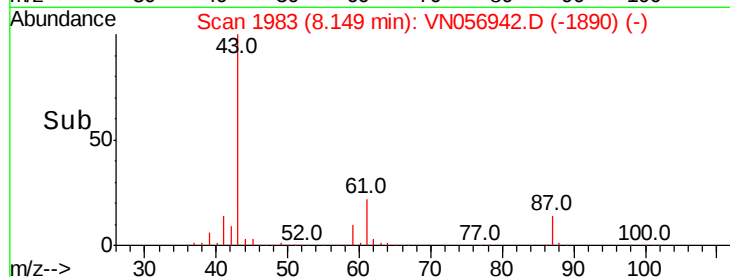
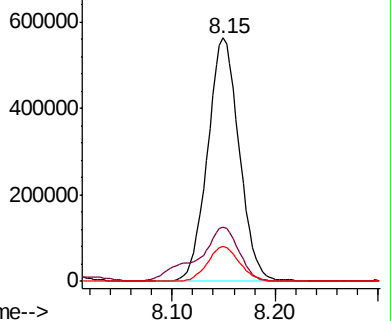
MMDadoda
8/2/2019 9:13:20 AM



Abundance Ion 43.00 (42.70 to 43.70): VN056941.D (-1962) (-)

Ion 61.00 (60.70 to 61.70): VN056941.D (-1962) (-)

Ion 87.00 (86.70 to 87.70): VN056941.D (-1962) (-)



#44

Trichloroethene

Concen: 99.080 ug/l

RT: 8.82 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VN056942.D

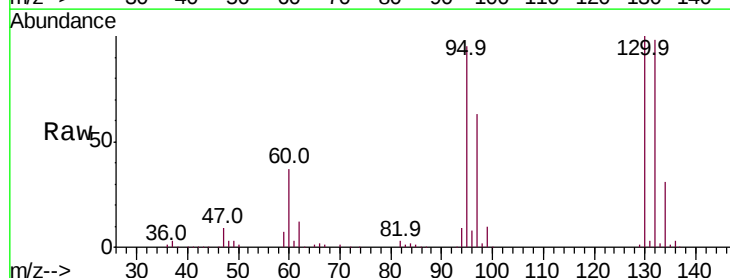
Acq: 26 Jul 2019 11:09

Tgt Ion:130 Resp: 704744

Ion Ratio Lower Upper

130 100

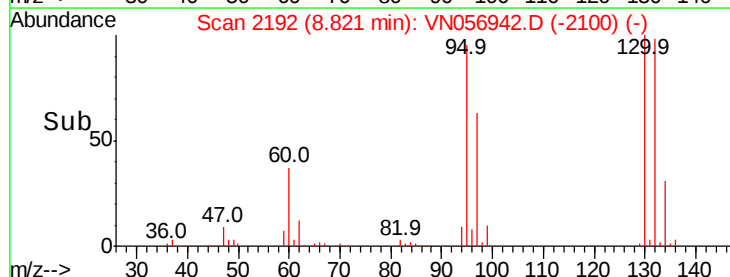
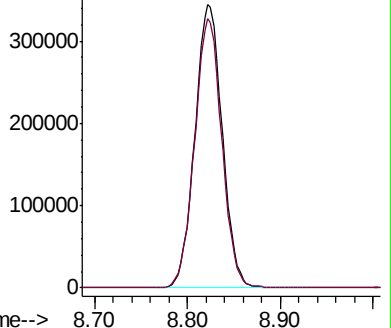
95 95.4 0.0 189.0

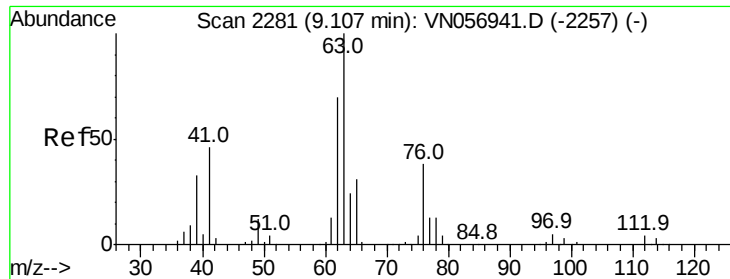


Abundance Ion 129.80 (129.50 to 130.50): VN056941.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN056941.D (-2175) (-)

Ion 130.00 (129.70 to 130.30): VN056941.D (-2175) (-)





#45

1,2-Dichloropropane

Concen: 97.937 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. 0.00 min

Lab File: VN056942.D

Acq: 26 Jul 2019 11:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 687155

Ion Ratio Lower Upper

63 100

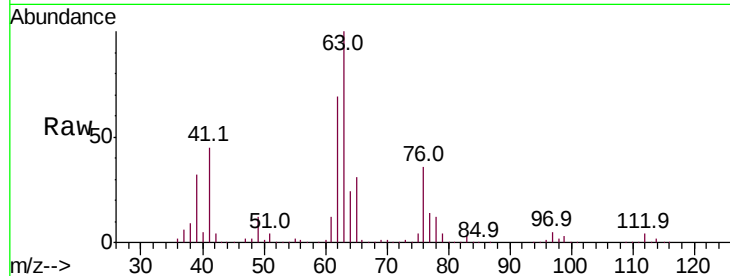
65 30.9 24.8 37.2

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.11

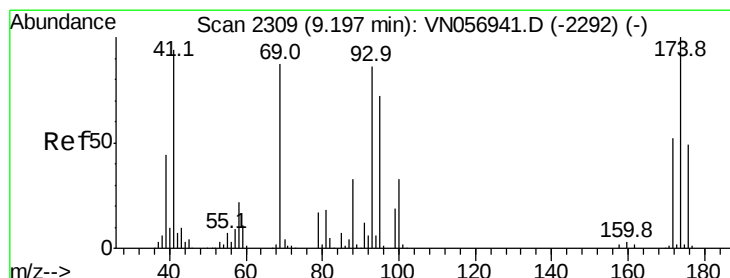
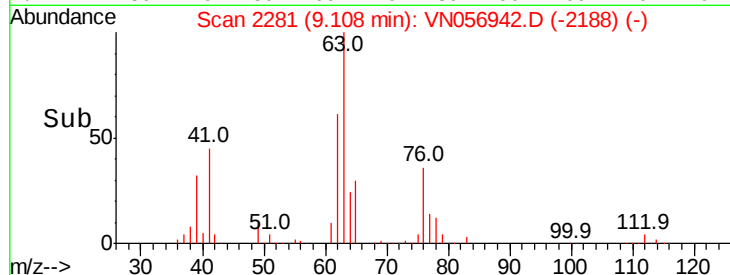
300000

200000

100000

0

Time-->



#46

Dibromomethane

Concen: 100.795 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.00 min

Lab File: VN056942.D

Acq: 26 Jul 2019 11:09

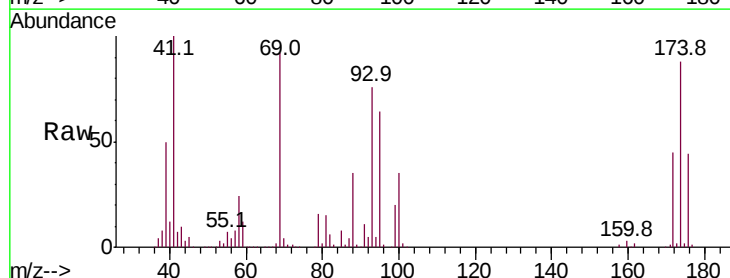
Tgt Ion: 93 Resp: 427114

Ion Ratio Lower Upper

93 100

95 83.3 67.0 100.6

174 116.2 92.7 139.1



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

300000

250000

200000

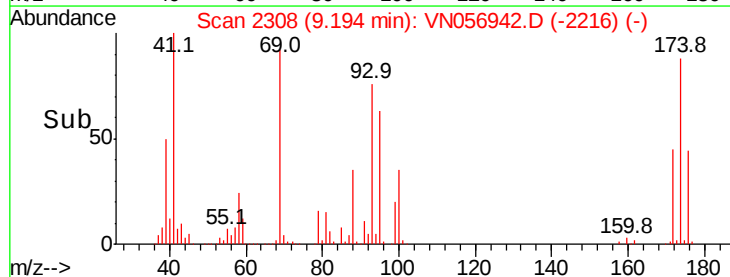
150000

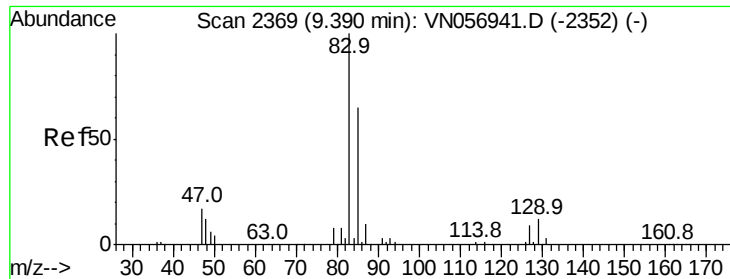
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 102.135 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN056942.D

Acq: 26 Jul 2019 11:09

Instrument :

MSVOA_N

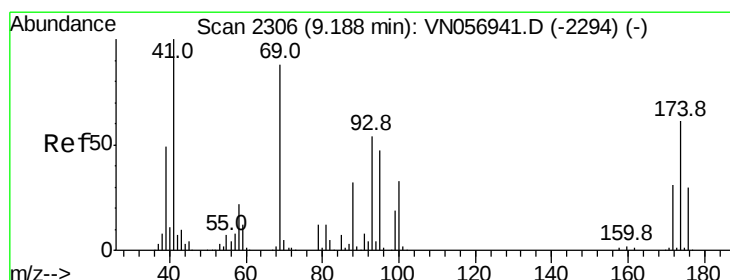
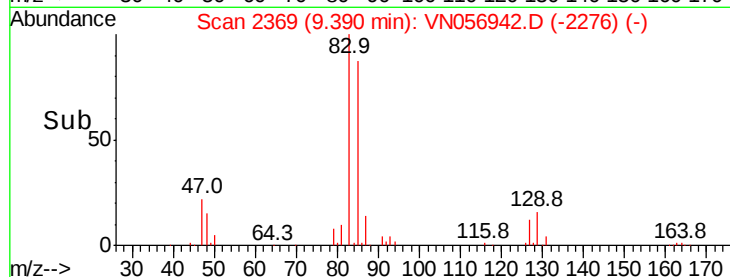
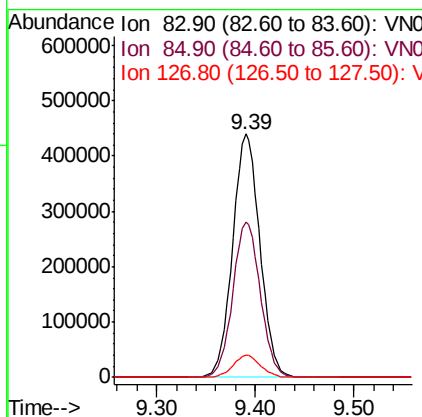
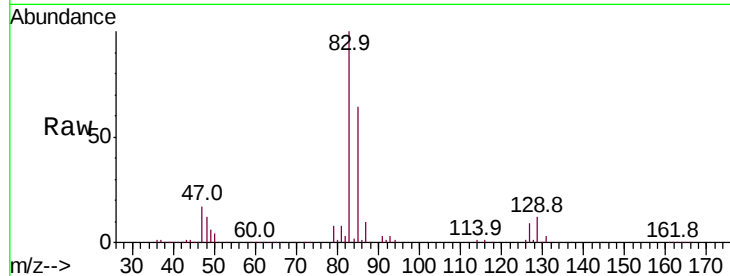
ClientSampleId :

VSTDICC100

Tot Ion:	83	Resp:	845893
Ion Ratio	Lower	Upper	
83	100		
85	63.9	51.6	77.4
127	9.1	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 107.650 ug/l

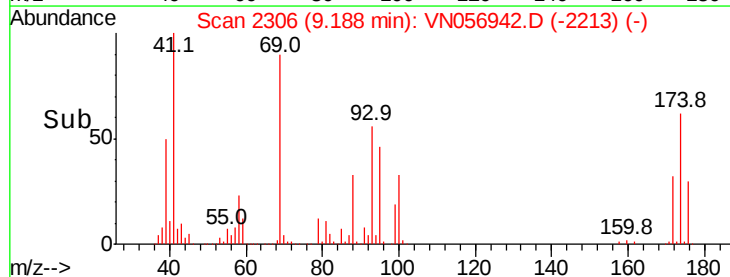
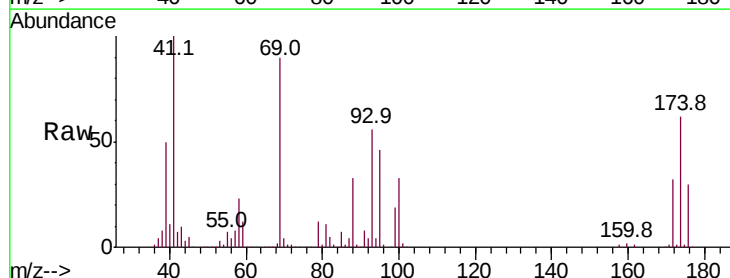
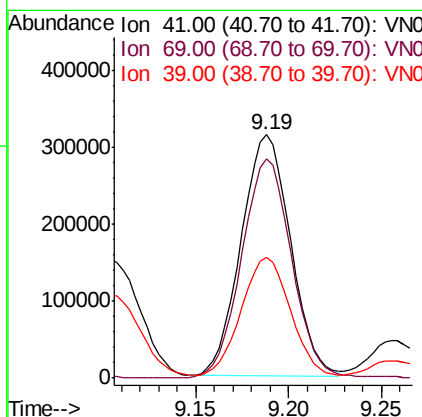
RT: 9.19 min Scan# 2306

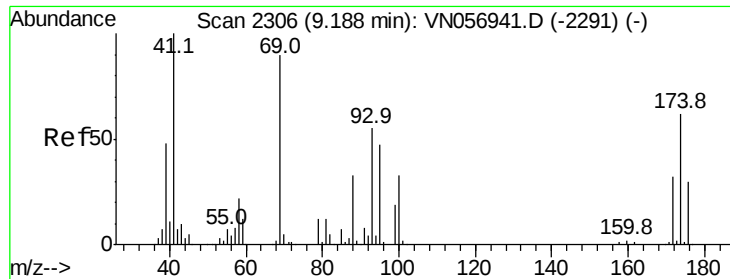
Delta R.T. 0.00 min

Lab File: VN056942.D

Acq: 26 Jul 2019 11:09

Tgt Ion:	41	Resp:	581670
Ion Ratio	Lower	Upper	
41	100		
69	92.9	73.4	110.0
39	50.6	39.9	59.9





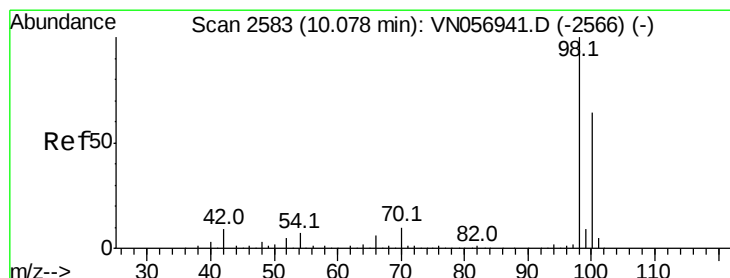
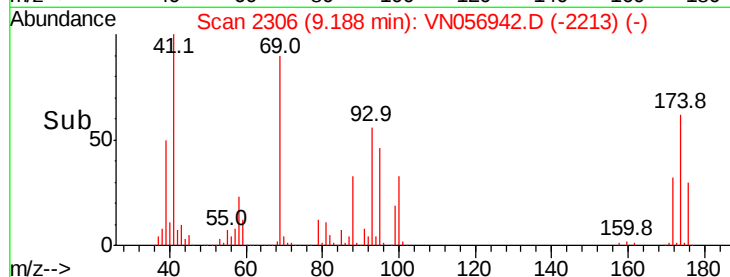
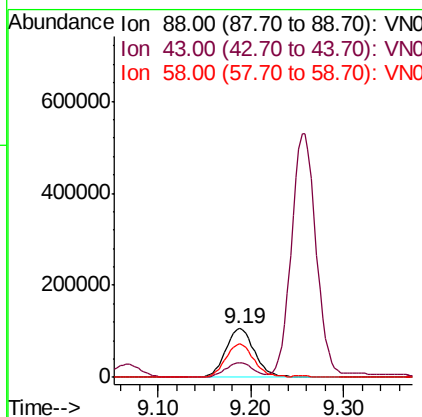
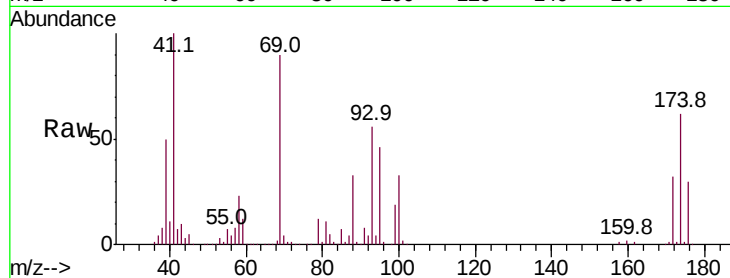
#49
 1,4-Dioxane
 Concen: 2050.650 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. 0.00 min
 Lab File: VN056942.D
 Acq: 26 Jul 2019 11:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.3	22.2	33.2
58	67.5	54.1	81.1

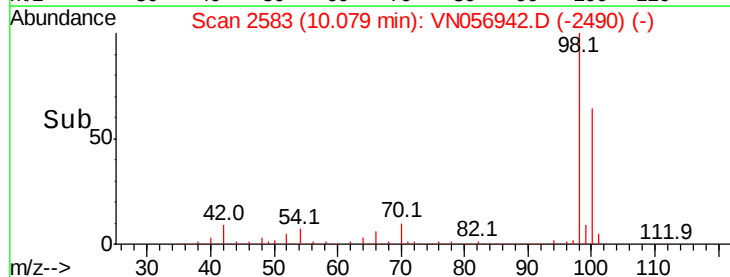
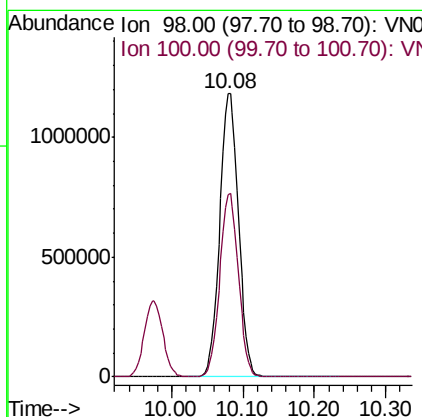
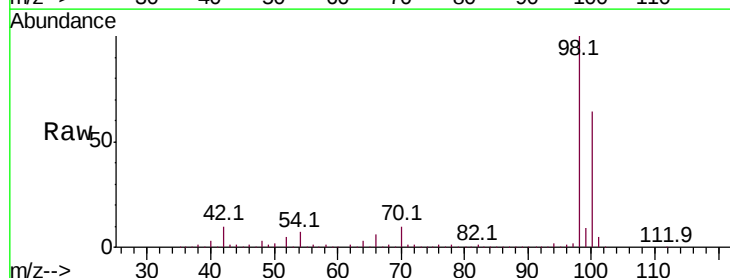
Manual Integrations
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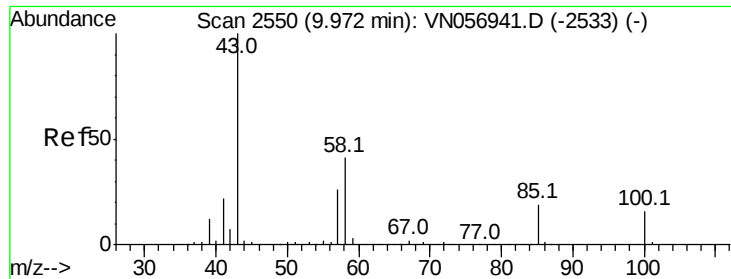
MMDadoda
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#50
 Toluene-d8
 Concen: 95.598 ug/l
 RT: 10.08 min Scan# 2583
 Delta R.T. 0.00 min
 Lab File: VN056942.D
 Acq: 26 Jul 2019 11:09

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.3	76.9





#51

4-Methyl-2-Pentanone

Concen: 532.115 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VN056942.D

Acq: 26 Jul 2019 11:09

Tot Ion: 43 Resp: 3579578

Ion Ratio Lower Upper

43 100

58 41.2 33.1 49.7

Instrument :

MSVOA_N

ClientSampled :

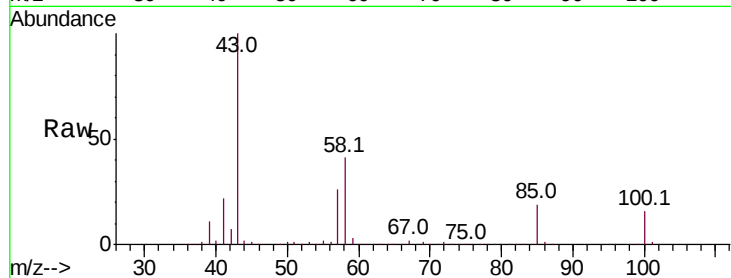
VSTDIC100

Manual Integrations

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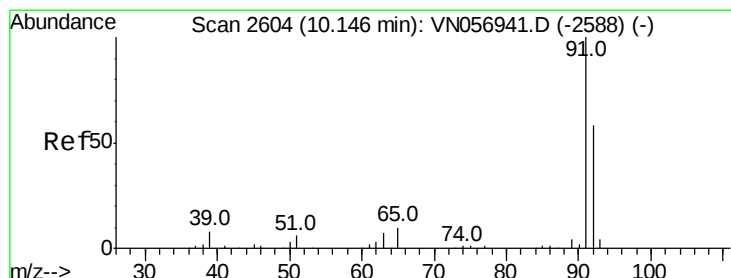
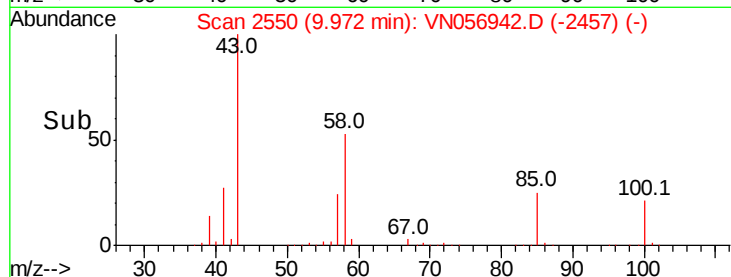
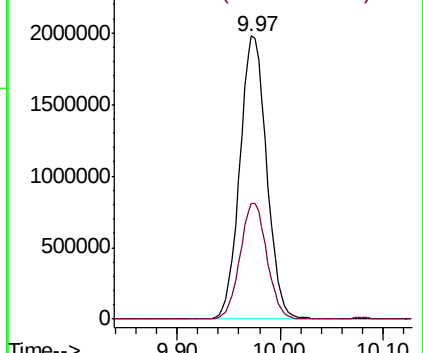
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 100.484 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN056942.D

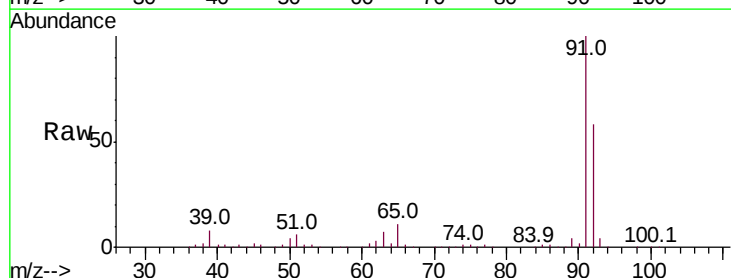
Acq: 26 Jul 2019 11:09

Tgt Ion: 92 Resp: 1573065

Ion Ratio Lower Upper

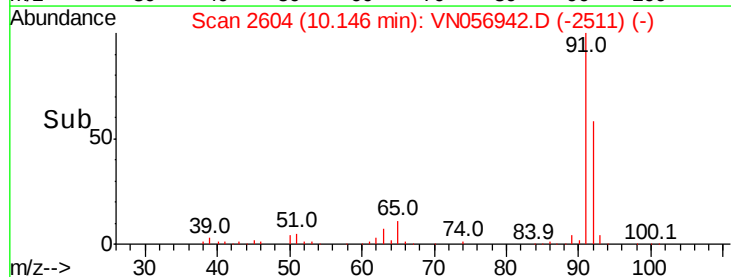
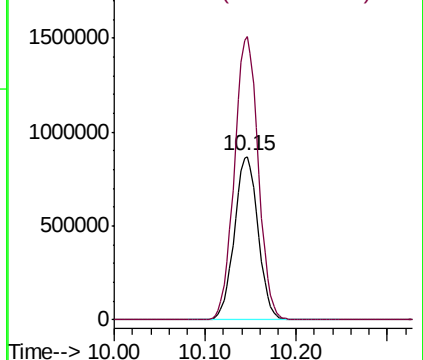
92 100

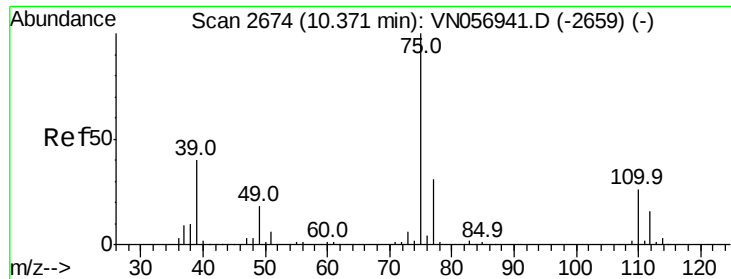
91 174.9 138.0 207.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





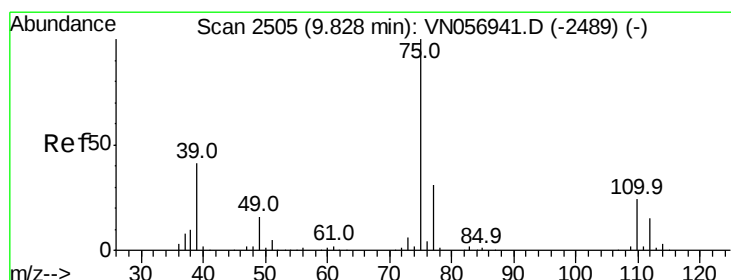
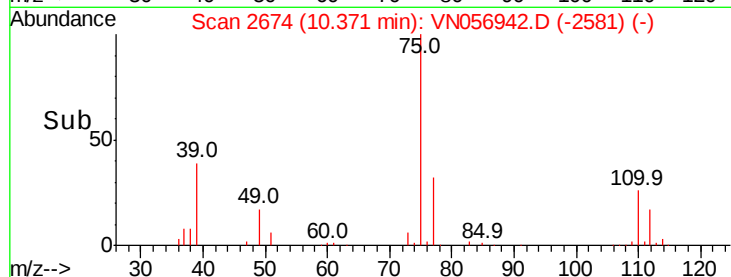
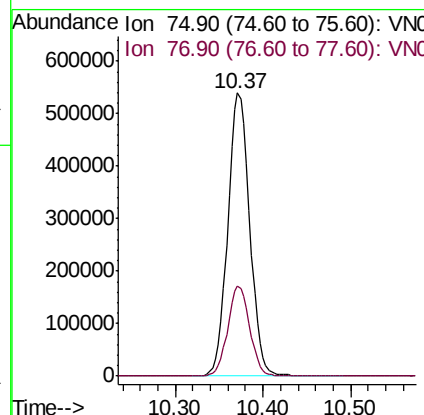
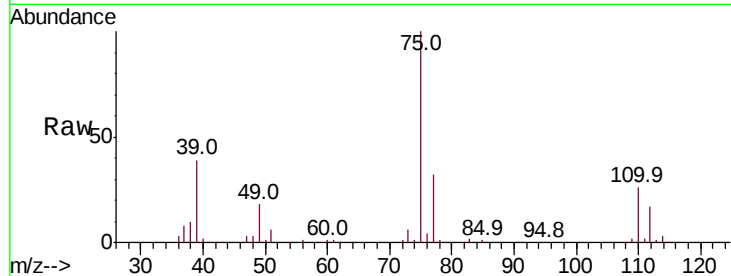
#53
t-1,3-Dichloropropene
Concen: 111.981 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. 0.00 min
Lab File: VN056942.D
Acq: 26 Jul 2019 11:09

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion: 75 Resp: 937724
Ion Ratio Lower Upper
75 100
77 31.8 25.1 37.7

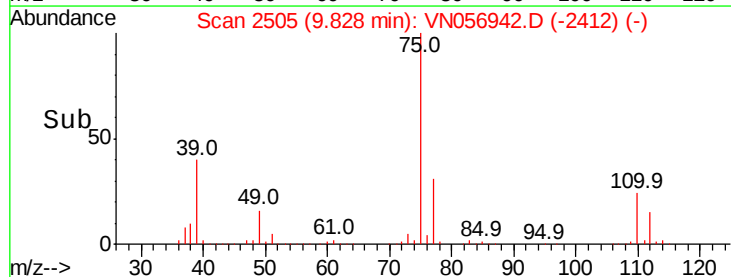
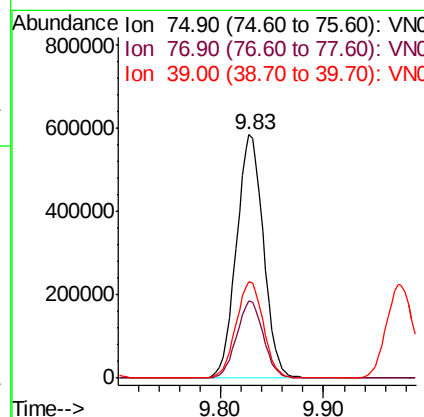
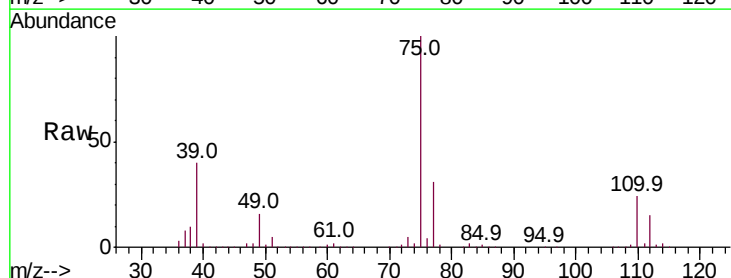
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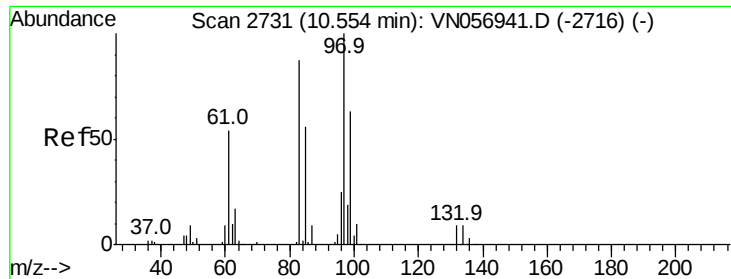
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 108.530 ug/l
RT: 9.83 min Scan# 2505
Delta R.T. 0.00 min
Lab File: VN056942.D
Acq: 26 Jul 2019 11:09

Tgt Ion: 75 Resp: 1066195
Ion Ratio Lower Upper
75 100
77 31.5 25.0 37.6
39 39.7 32.6 49.0





#55

1,1,2-Trichloroethane

Concen: 98.637 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. -0.00 min

Lab File: VN056942.D

Acq: 26 Jul 2019 11:09

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 97 Resp: 621574

Ion Ratio Lower Upper

97 100

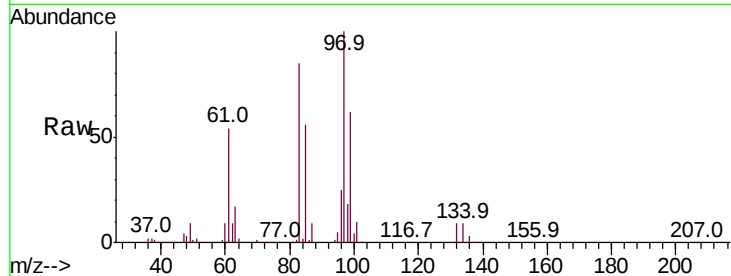
83 85.1 69.4 104.0

85 55.5 44.7 67.1

99 62.1 50.1 75.1

Manual Integrations
APPROVED

MMDadoda
8/2/2019 9:13:20 AM

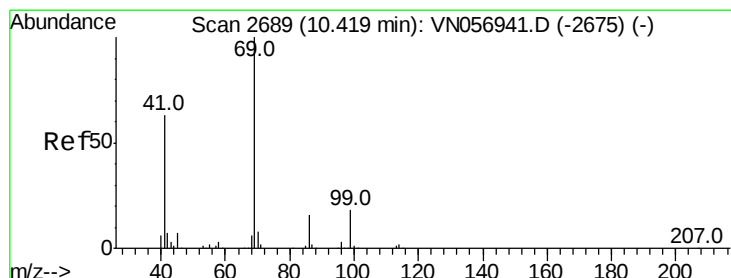
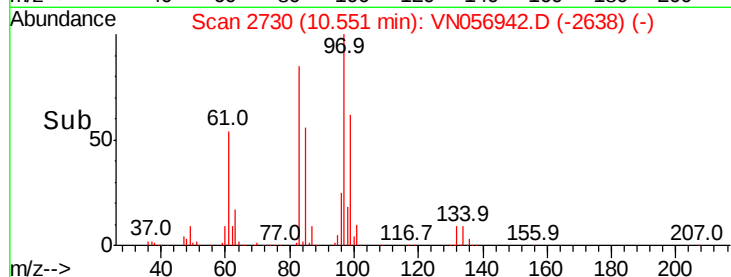
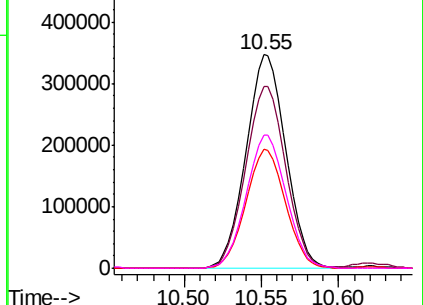


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 110.207 ug/l

RT: 10.42 min Scan# 2689

Delta R.T. 0.00 min

Lab File: VN056942.D

Acq: 26 Jul 2019 11:09

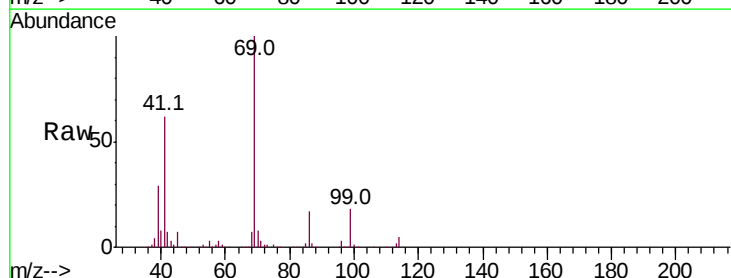
Tgt Ion: 69 Resp: 937297

Ion Ratio Lower Upper

69 100

41 61.7 49.2 73.8

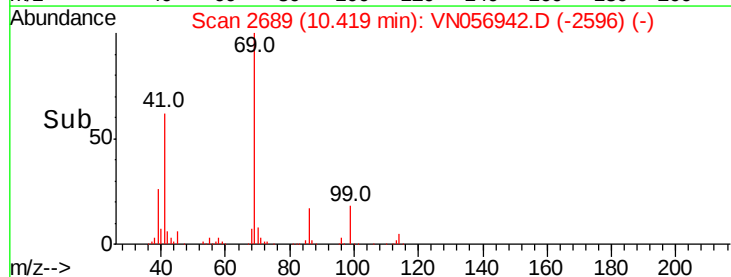
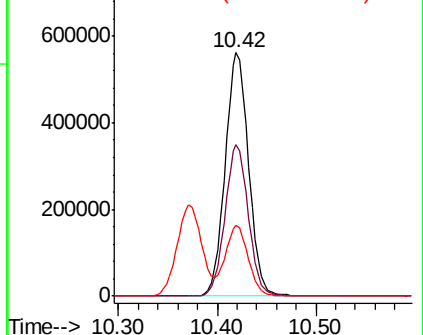
39 28.7 23.1 34.7

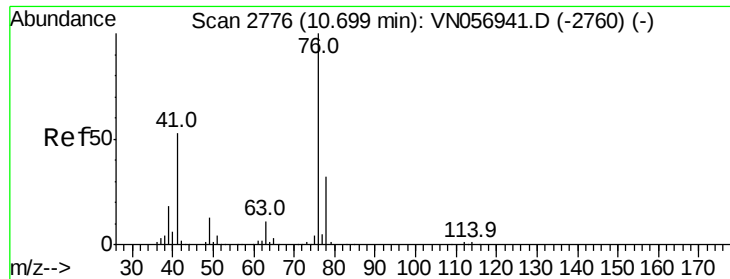


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





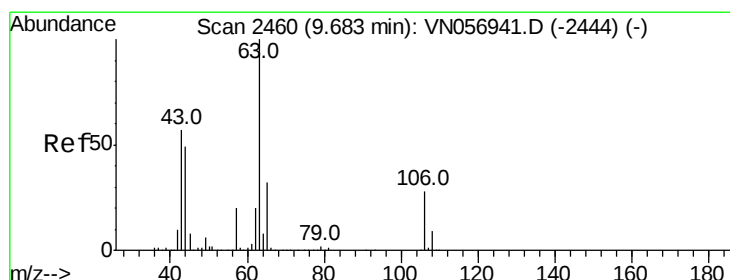
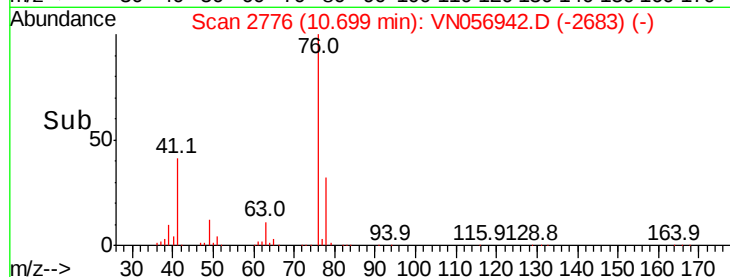
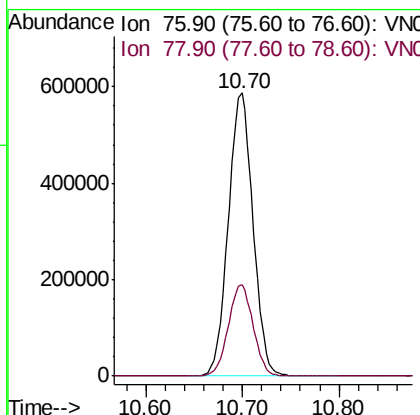
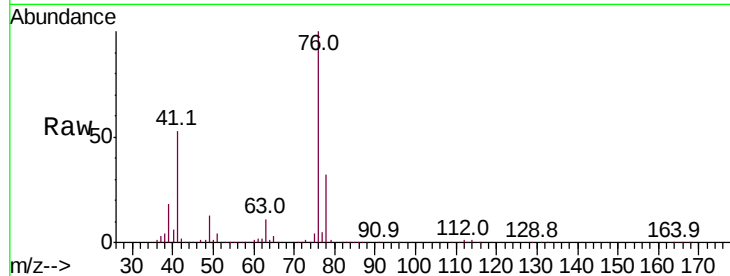
#57
 1,3-Dichloropropane
 Concen: 101.048 ug/l
 RT: 10.70 min Scan# 2776
 Delta R.T. 0.00 min
 Lab File: VN056942.D
 Acq: 26 Jul 2019 11:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 76 Resp: 1040464
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.9 38.9

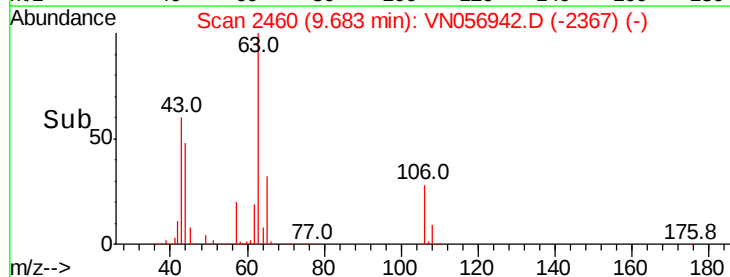
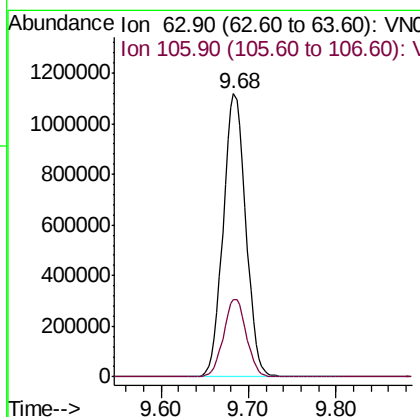
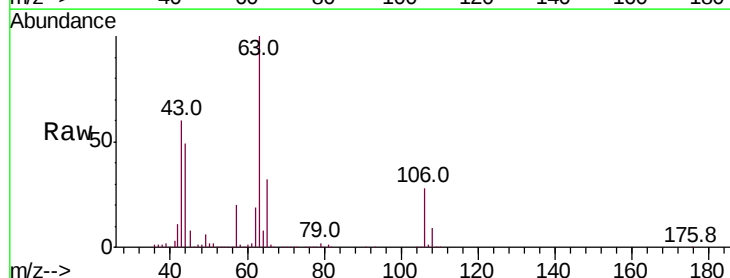
Manual Integrations
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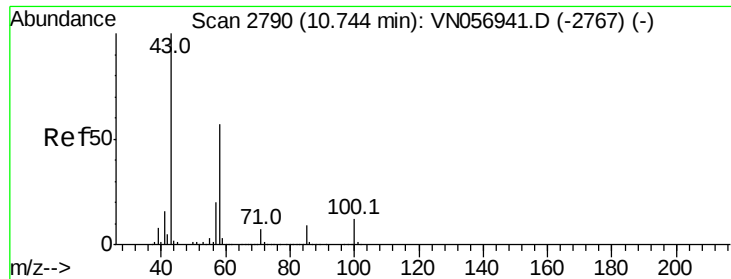
MMDadoda
 8/2/2019 9:13:20 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 594.731 ug/l
 RT: 9.68 min Scan# 2460
 Delta R.T. 0.00 min
 Lab File: VN056942.D
 Acq: 26 Jul 2019 11:09

Tgt Ion: 63 Resp: 2008411
 Ion Ratio Lower Upper
 63 100
 106 27.7 22.0 33.0





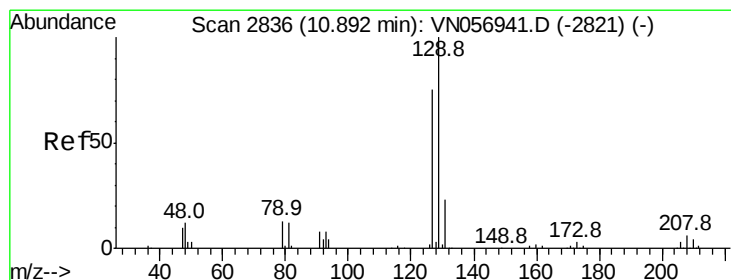
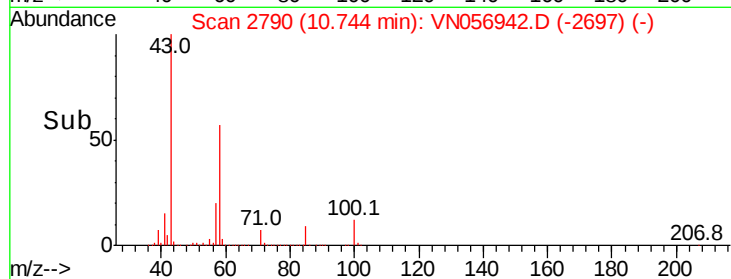
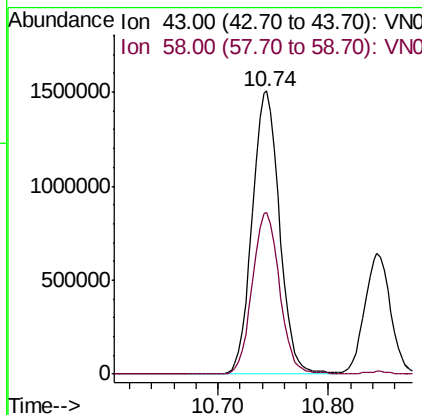
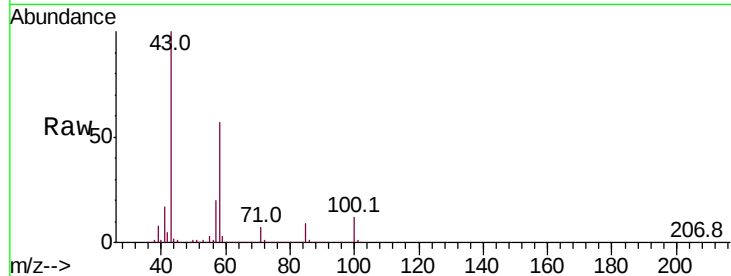
#59
2-Hexanone
Concen: 559.040 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VN056942.D
Acq: 26 Jul 2019 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 2583789
Ion Ratio Lower Upper
43 100
58 57.5 28.5 85.5

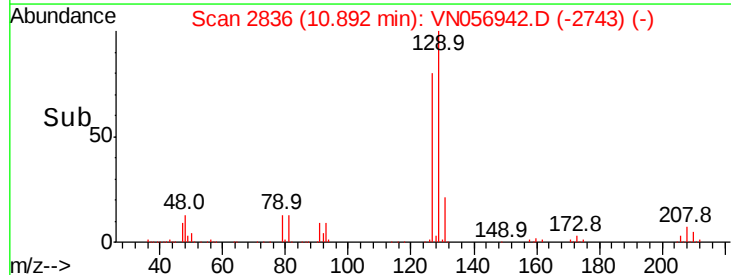
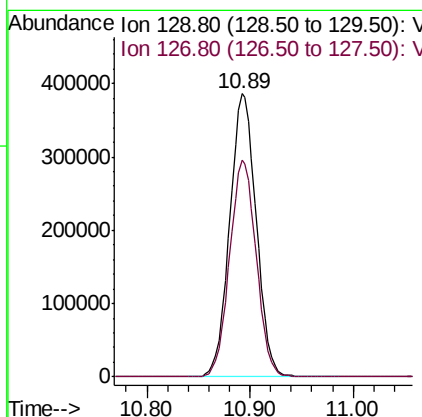
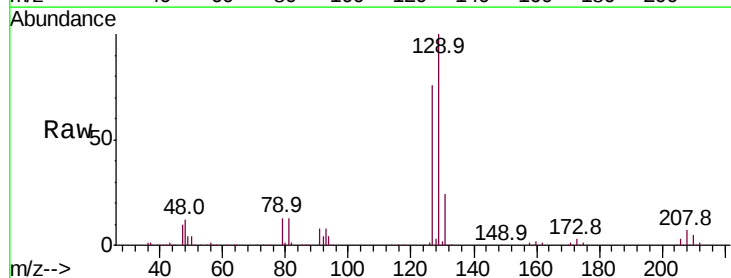
Manual Integrations
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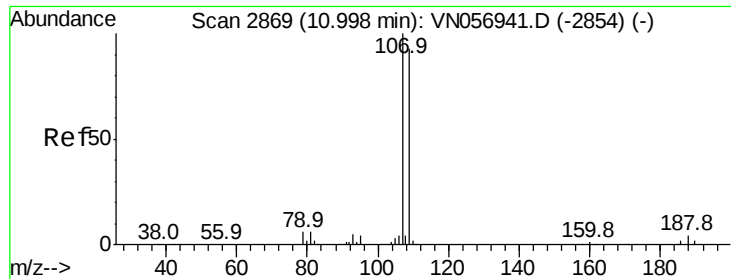
MMDadoda
8/2/2019 9:13:20 AM



#60
Dibromochloromethane
Concen: 107.681 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN056942.D
Acq: 26 Jul 2019 11:09

Tgt Ion: 129 Resp: 692469
Ion Ratio Lower Upper
129 100
127 76.7 38.0 113.9





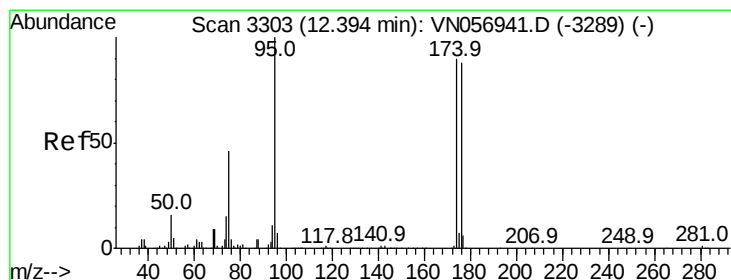
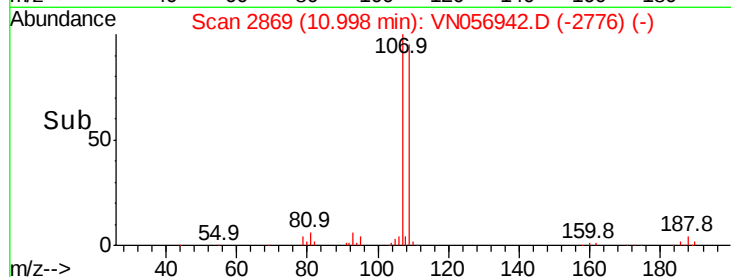
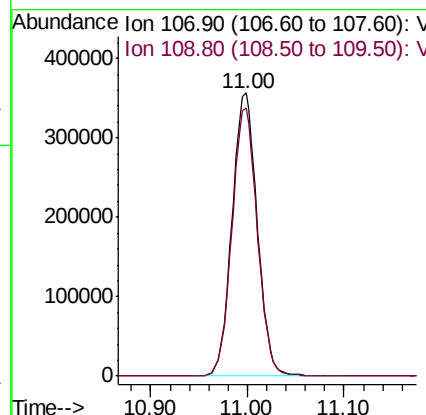
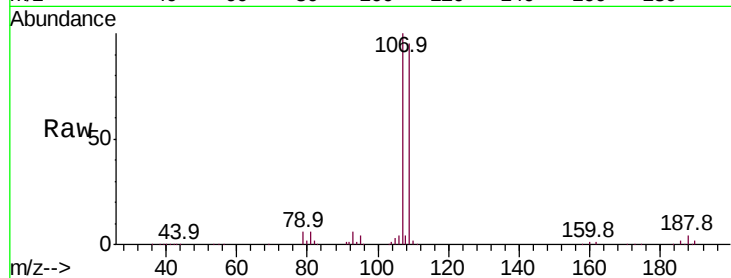
#61
 1,2-Dibromoethane
 Concen: 103.336 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VN056942.D
 Acq: 26 Jul 2019 11:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.3	76.0	114.0

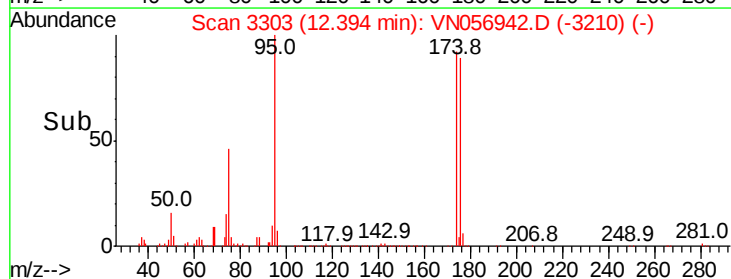
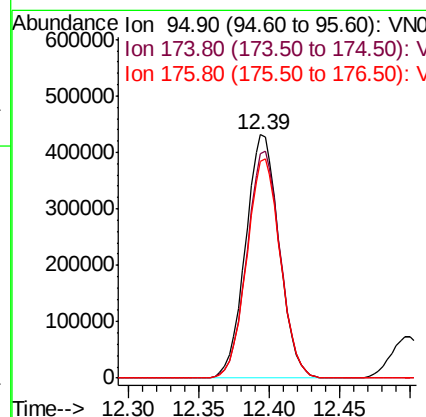
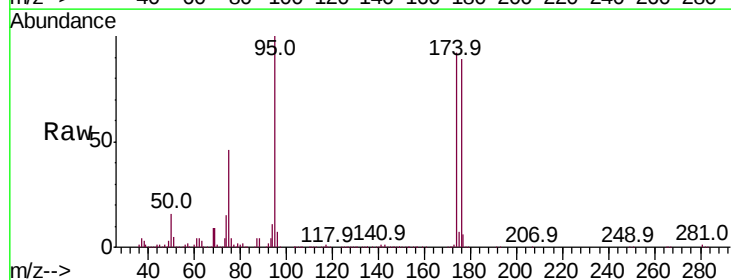
Manual Integrations
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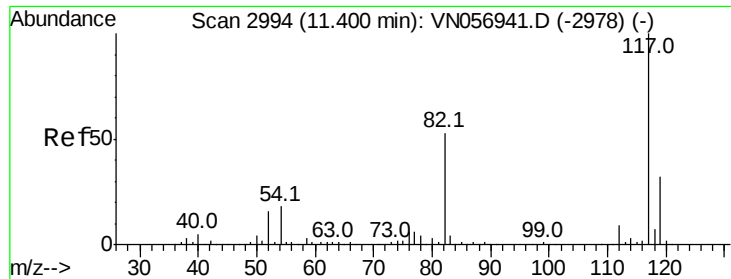
MMDadoda
 8/2/2019 9:13:20 AM



#62
 4-Bromofluorobenzene
 Concen: 98.122 ug/l
 RT: 12.39 min Scan# 3303
 Delta R.T. 0.00 min
 Lab File: VN056942.D
 Acq: 26 Jul 2019 11:09

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.6	0.0	182.2
176	90.1	0.0	179.4





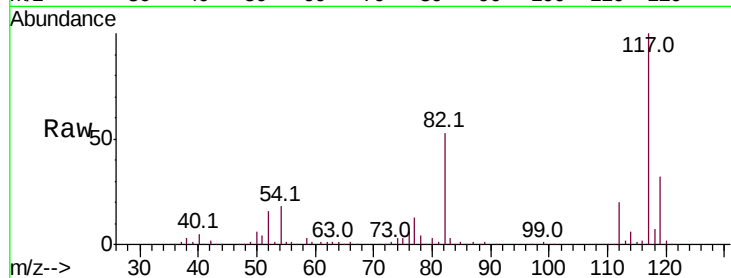
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN056942.D
Acq: 26 Jul 2019 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.7	42.2	63.4
119	31.9	25.8	38.6

Manual Integrations
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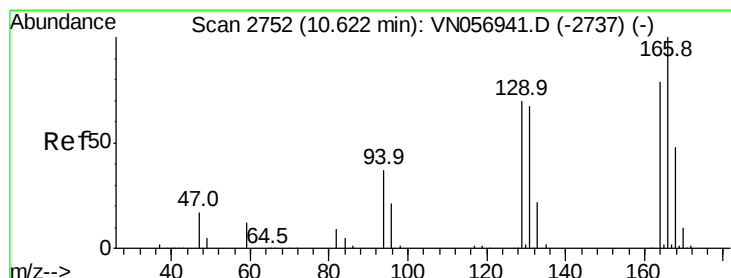
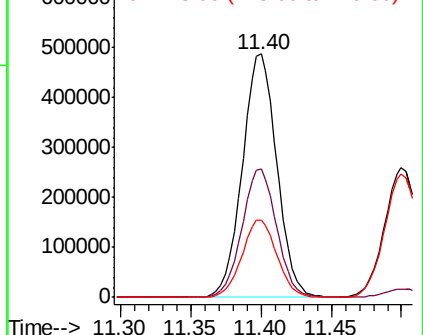
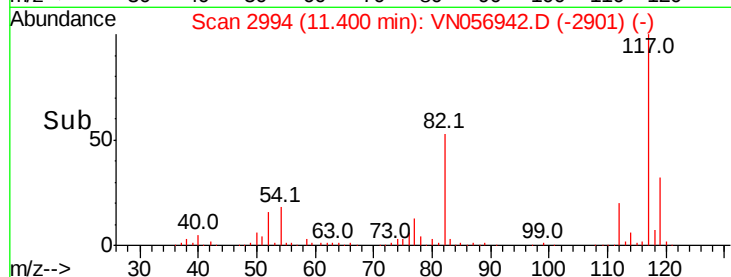


Abundance

Ion 116.90 (116.60 to 117.60): V

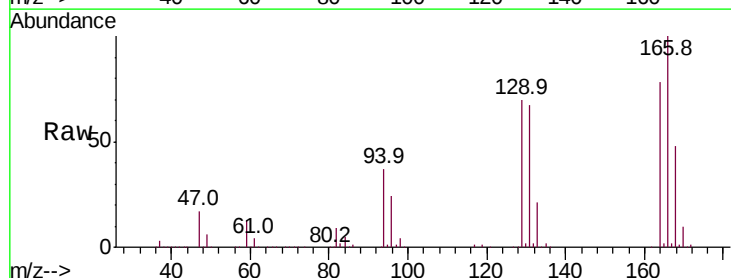
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 89.309 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN056942.D
Acq: 26 Jul 2019 11:09

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.7	101.1	151.7
129	89.1	70.9	106.3
131	86.0	67.7	101.5



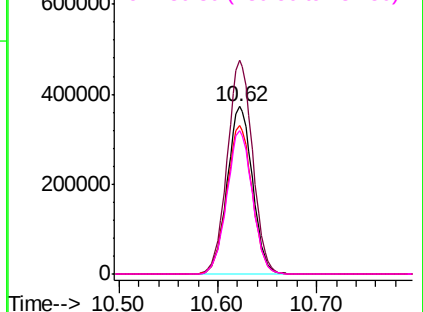
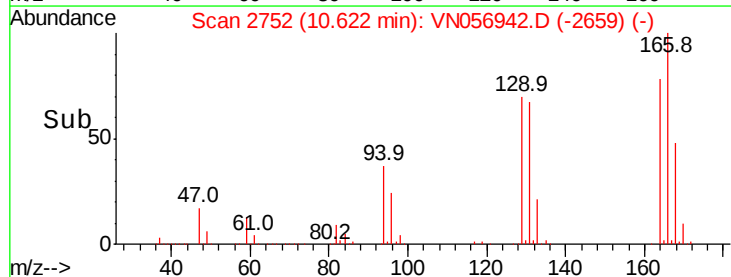
Abundance

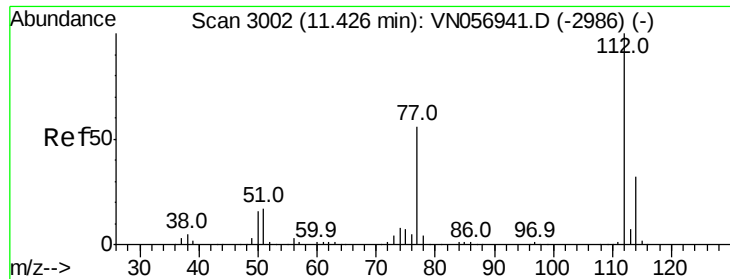
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





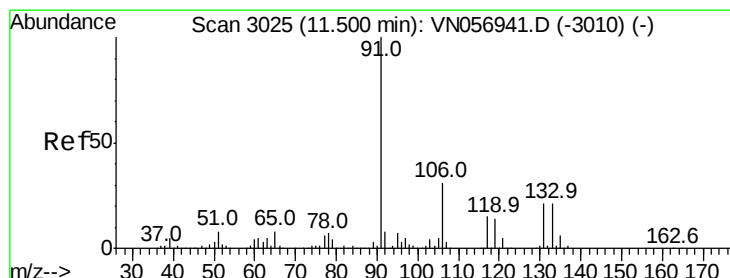
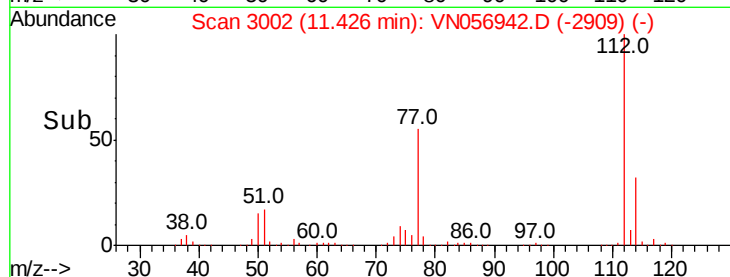
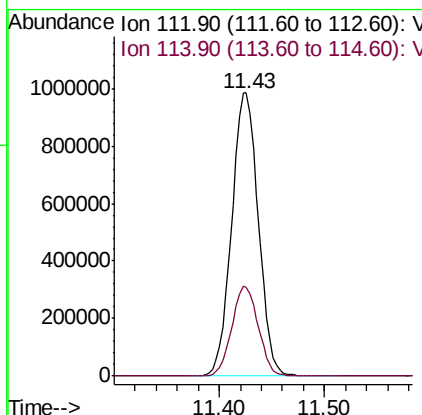
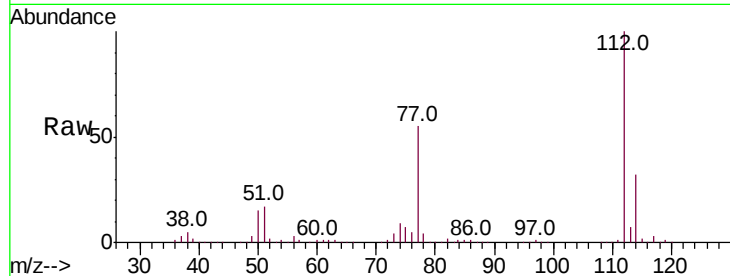
#65
Chlorobenzene
Concen: 99.551 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN056942.D
Acq: 26 Jul 2019 11:09

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion:112 Resp: 1717587
Ion Ratio Lower Upper
112 100
114 31.5 26.0 39.0

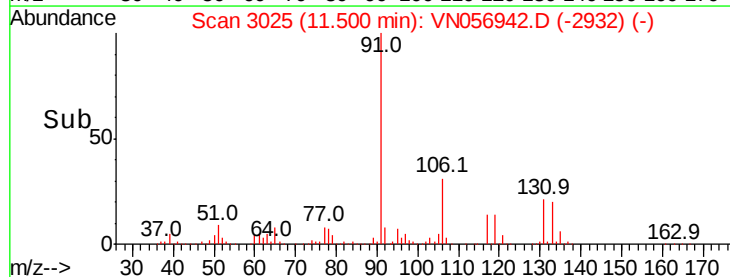
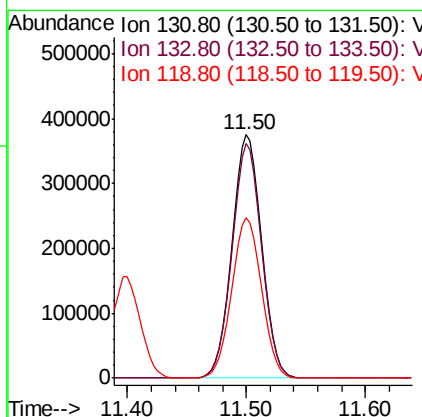
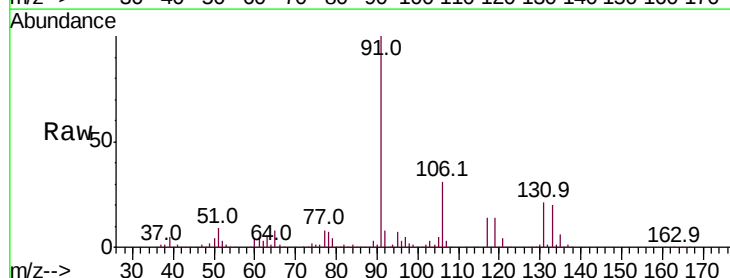
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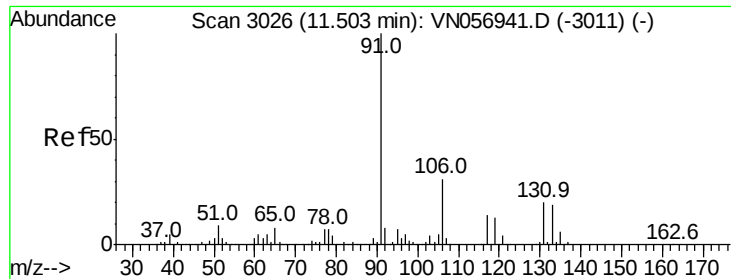
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 100.398 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. 0.00 min
Lab File: VN056942.D
Acq: 26 Jul 2019 11:09

Tgt Ion:131 Resp: 646703
Ion Ratio Lower Upper
131 100
133 96.0 48.0 144.0
119 66.4 33.2 99.6





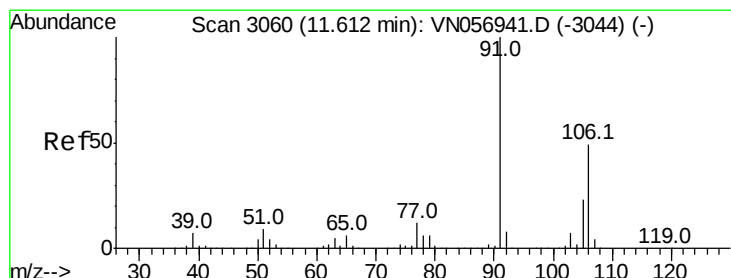
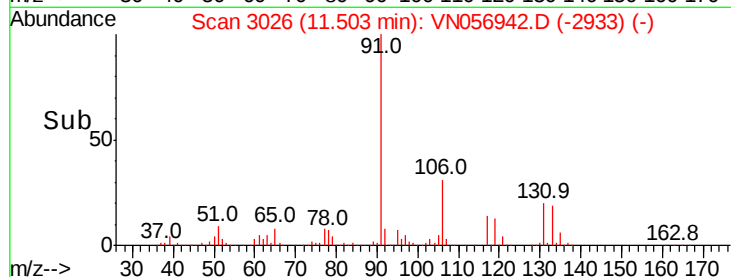
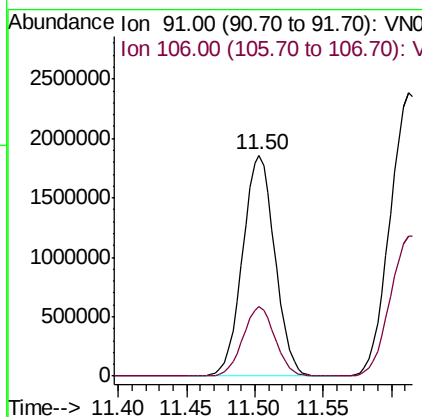
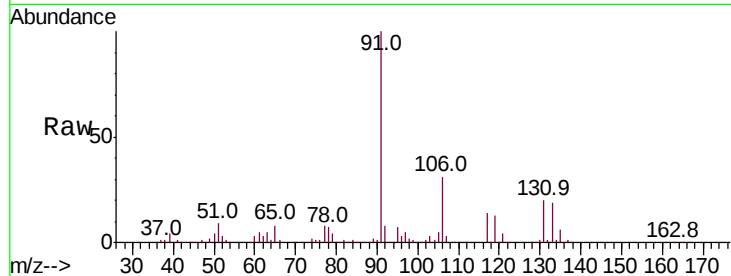
#67
Ethyl Benzene
Concen: 102.703 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN056942.D
Acq: 26 Jul 2019 11:09

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion: 91 Resp: 3049811
Ion Ratio Lower Upper
91 100
106 31.3 25.1 37.7

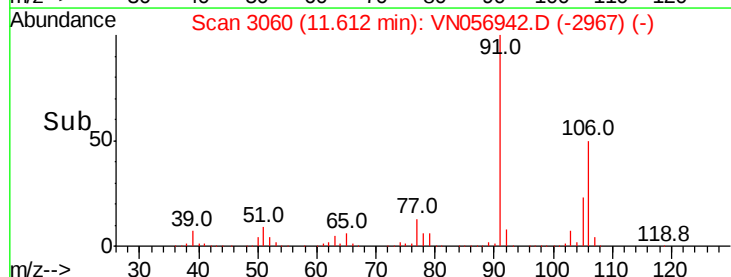
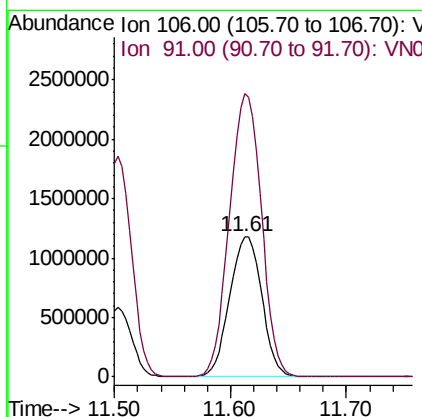
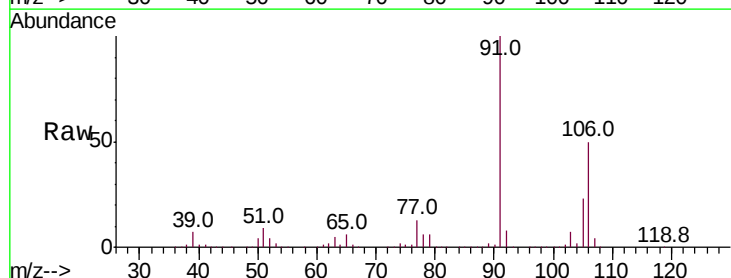
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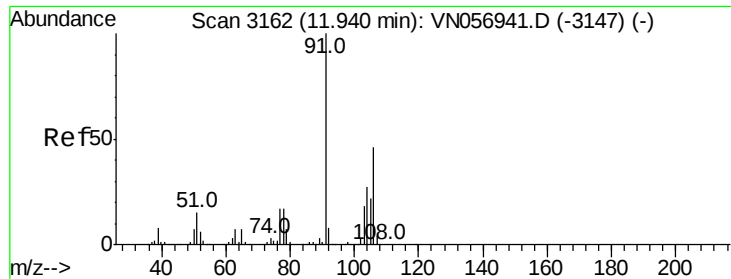
MMDadoda
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#68
m/p-Xylenes
Concen: 204.756 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. 0.00 min
Lab File: VN056942.D
Acq: 26 Jul 2019 11:09

Tgt Ion: 106 Resp: 2264612
Ion Ratio Lower Upper
106 100
91 201.4 160.0 240.0





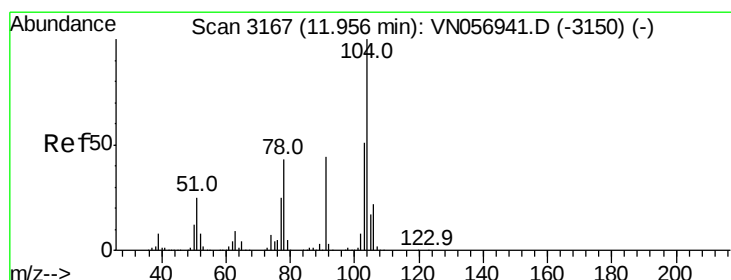
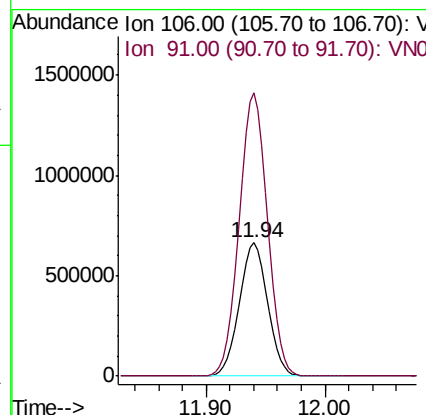
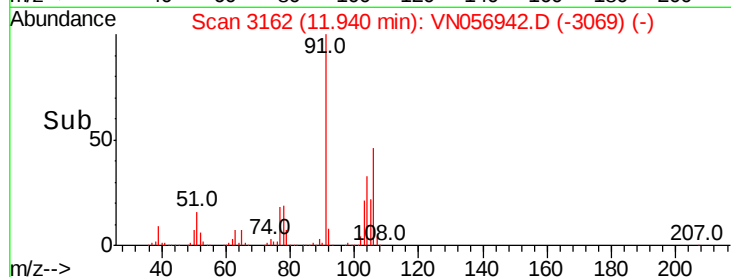
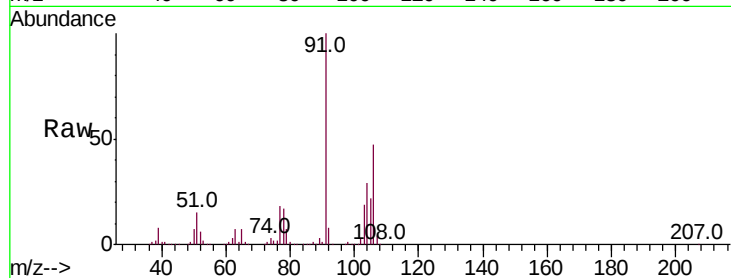
#69
o-Xylene
Concen: 100.947 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN056942.D
Acq: 26 Jul 2019 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 1092440
Ion Ratio Lower Upper
106 100
91 212.1 106.2 318.6

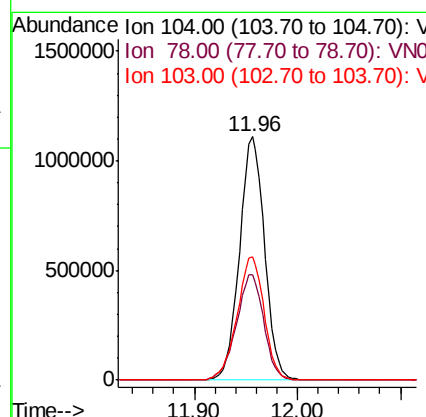
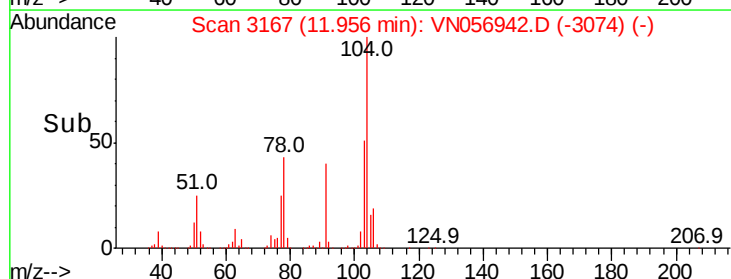
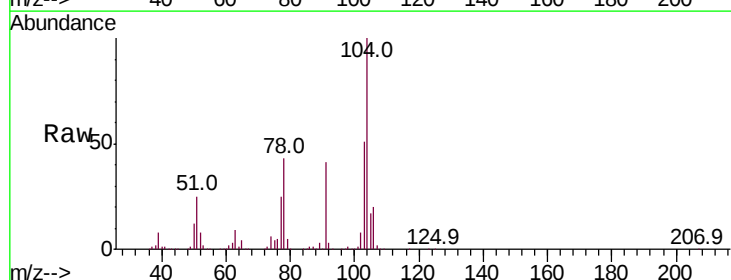
Manual Integrations
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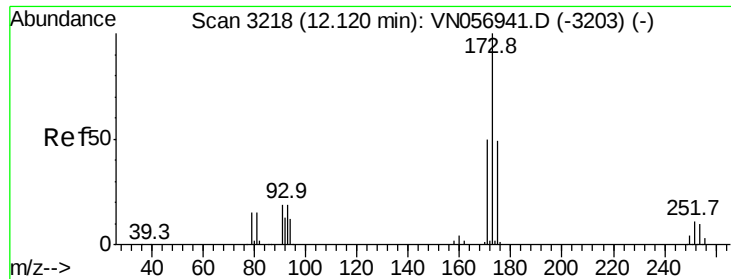
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#70
Styrene
Concen: 109.429 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN056942.D
Acq: 26 Jul 2019 11:09

Tgt Ion:104 Resp: 1876008
Ion Ratio Lower Upper
104 100
78 47.3 38.1 57.1
103 54.7 44.3 66.5





#71

Bromoform

Concen: 111.622 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN056942.D

Acq: 26 Jul 2019 11:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 504594

Ion Ratio Lower Upper

173 100

175 48.3 24.1 72.4

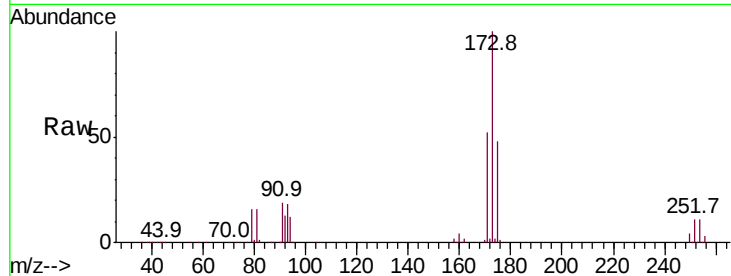
254 0.1 0.1 0.1

Manual Integrations

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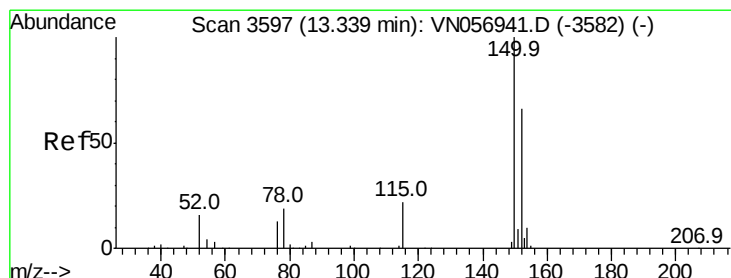
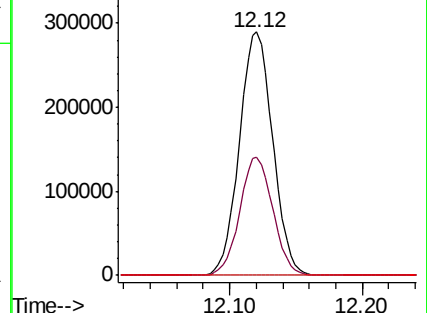
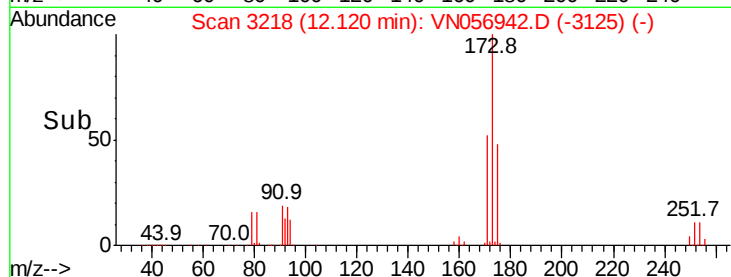
8/2/2019 9:13:20 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN056942.D

Acq: 26 Jul 2019 11:09

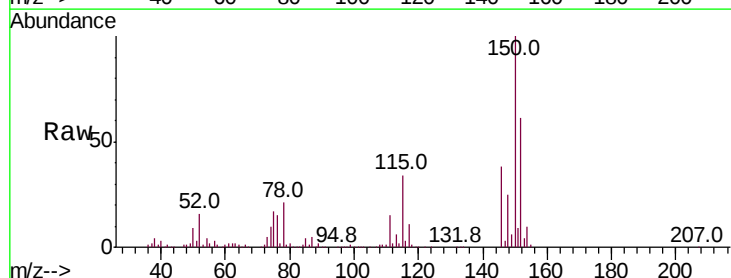
Tgt Ion:152 Resp: 380311

Ion Ratio Lower Upper

152 100

115 54.8 28.2 84.6

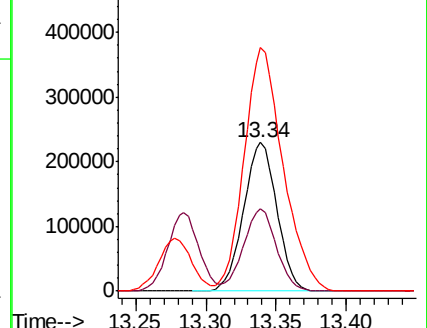
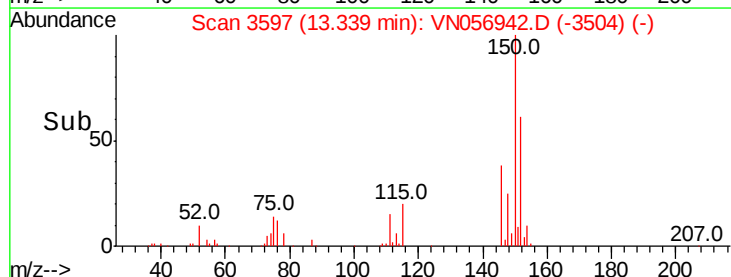
150 191.3 0.0 349.4

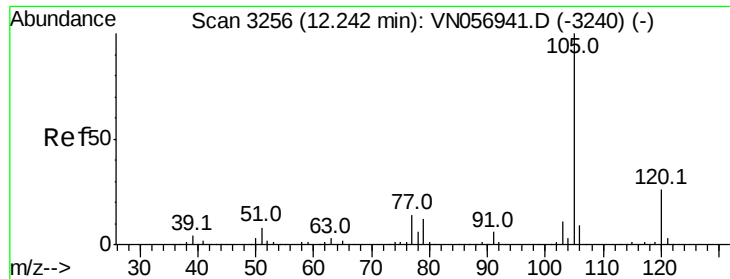


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 86.252 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN056942.D

Acq: 26 Jul 2019 11:09

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion:105 Resp: 2939951

Ion Ratio Lower Upper

105 100

120 27.1

13.5

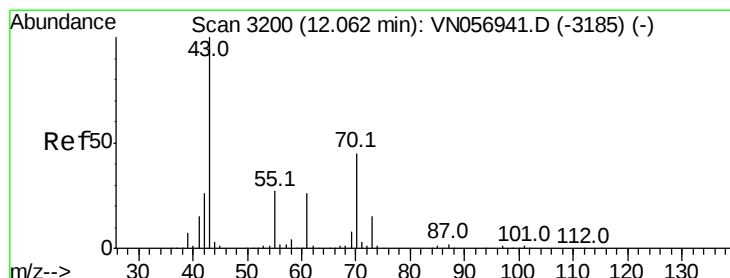
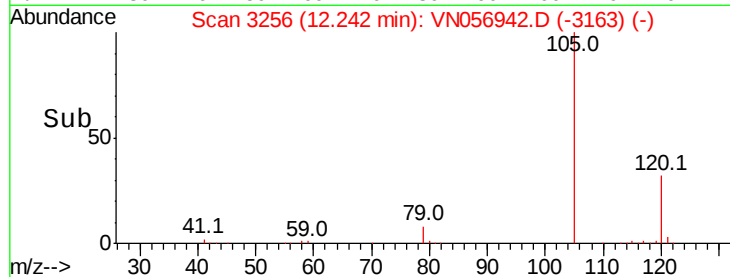
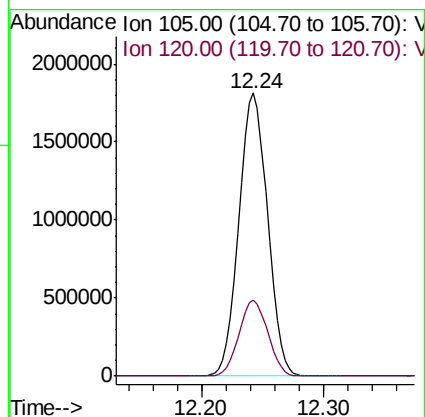
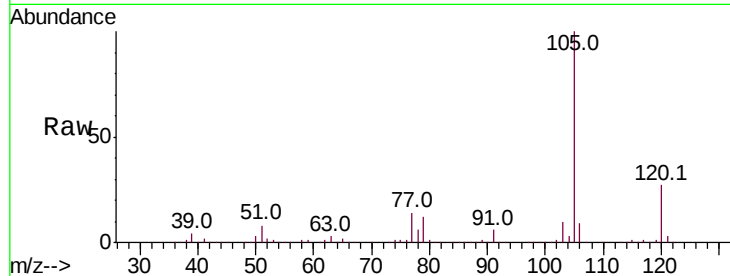
40.5

Manual Integrations

APPROVED

MMDadoda

8/2/2019 9:13:20 AM



#74

N-ethyl acetate

Concen: 99.104 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN056942.D

Acq: 26 Jul 2019 11:09

Tgt Ion: 43 Resp: 997576

Ion Ratio Lower Upper

43 100

70 44.8

36.5

54.7

55 25.3

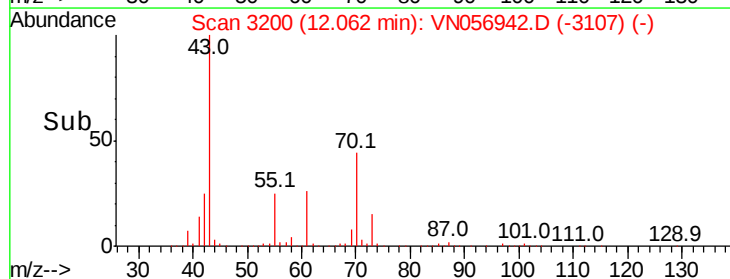
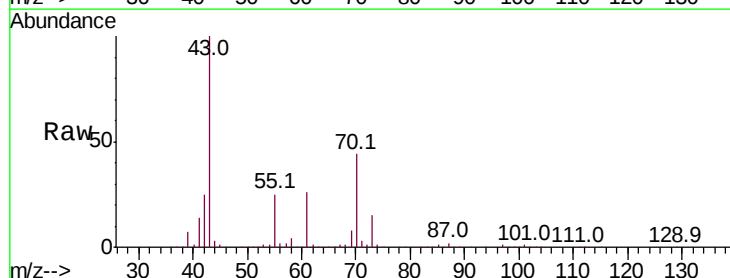
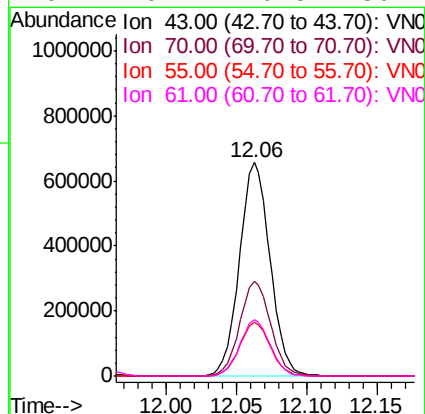
21.4

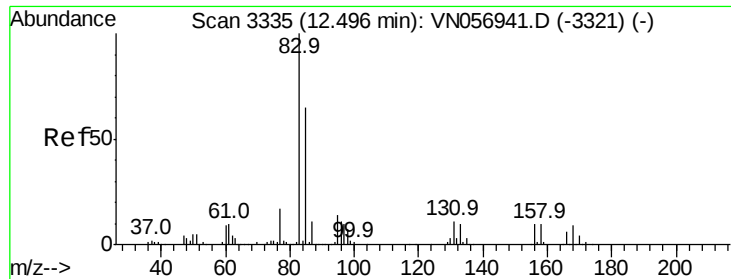
32.0

61 26.1

20.5

30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 84.304 ug/l

RT: 12.50 min Scan# 3335

Delta R.T. 0.00 min

Lab File: VN056942.D

Acq: 26 Jul 2019 11:09

Instrument :

MSVOA_N

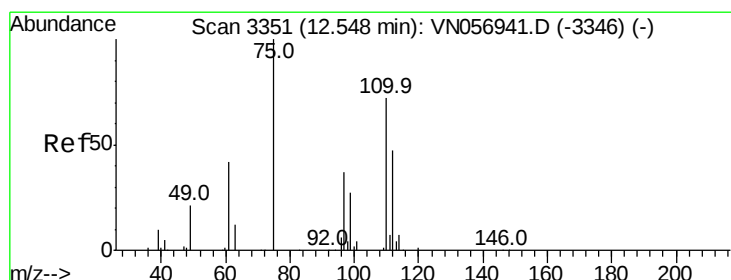
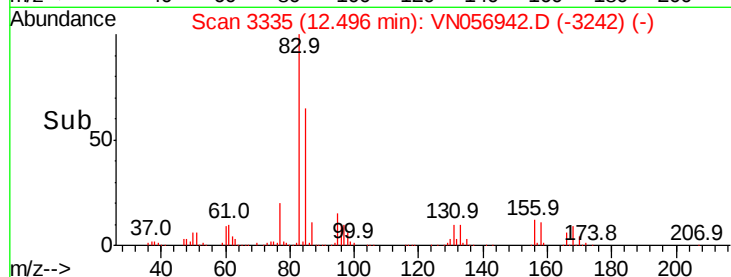
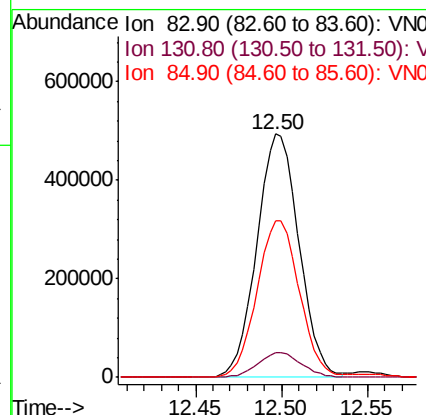
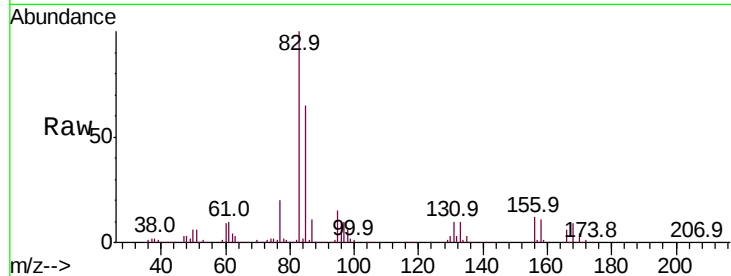
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	837391
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.3	16.1
85	64.8	32.5	97.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 94.030 ug/l m

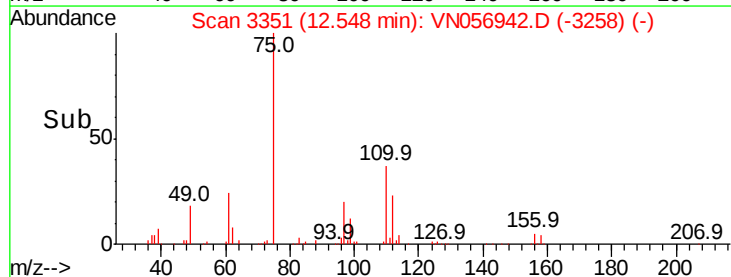
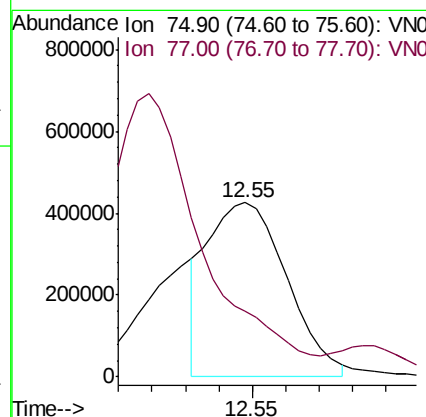
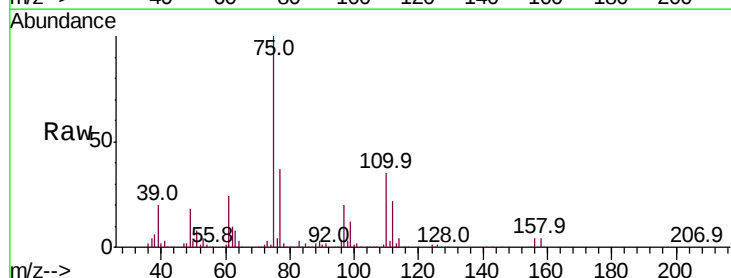
RT: 12.55 min Scan# 3351

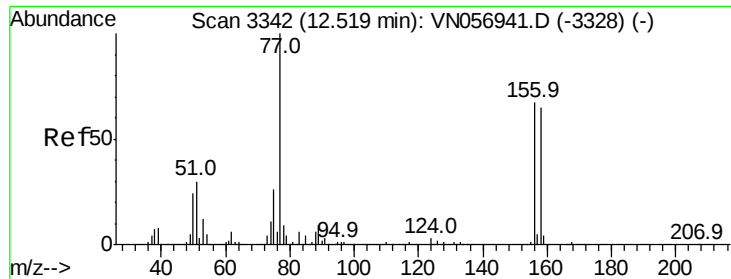
Delta R.T. 0.00 min

Lab File: VN056942.D

Acq: 26 Jul 2019 11:09

Tgt Ion:	75	Resp:	700209
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 87.713 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. 0.00 min

Lab File: VN056942.D

Acq: 26 Jul 2019 11:09

Instrument :

MSVOA_N

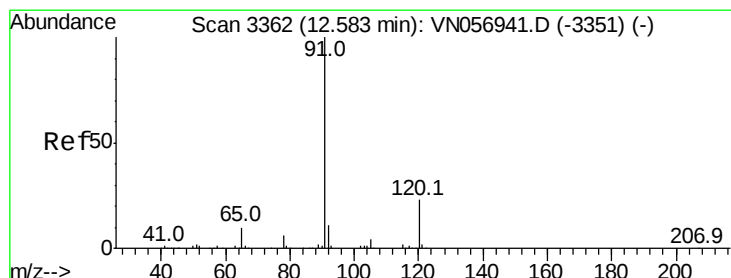
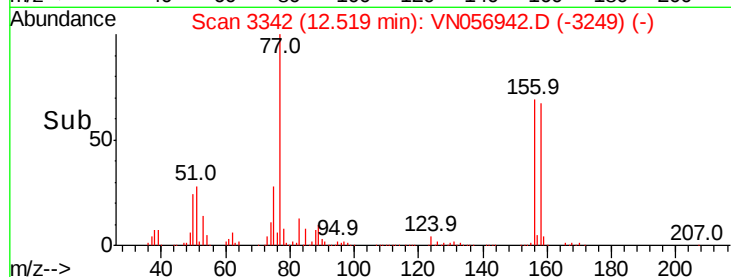
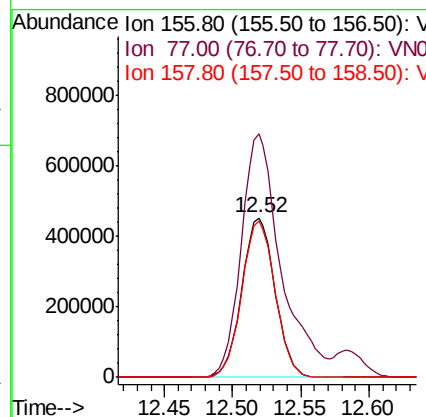
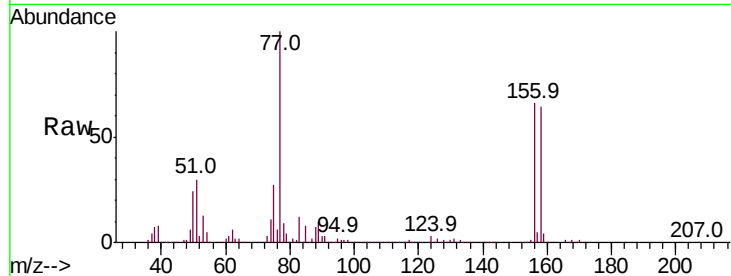
ClientSampleId :

VSTDIC100

Tot Ion:	156	Resp:	765662
Ion Ratio	Lower	Upper	
156	100		
77	183.6	89.5	268.5
158	98.2	48.4	145.3

Manual Integrations
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8/2/2019 9:13:20 AM



#78

n-propylbenzene

Concen: 92.343 ug/l

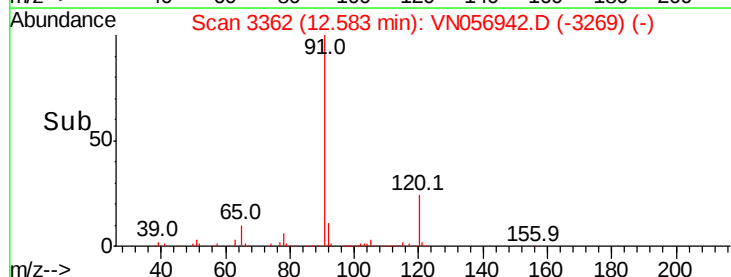
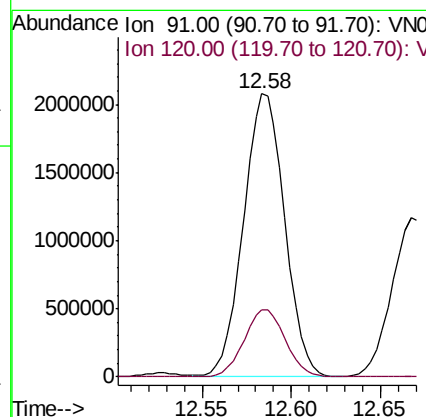
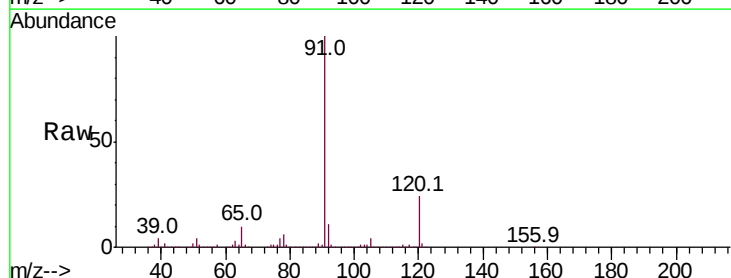
RT: 12.58 min Scan# 3362

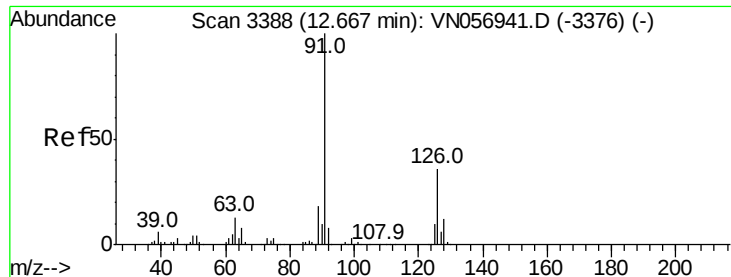
Delta R.T. 0.00 min

Lab File: VN056942.D

Acq: 26 Jul 2019 11:09

Tgt Ion:	91	Resp:	3325803
Ion Ratio	Lower	Upper	
91	100		
120	23.9	11.8	35.4





#79

2-Chlorotoluene

Concen: 86.439 ug/l

RT: 12.67 min Scan# 3388

Delta R.T. 0.00 min

Lab File: VN056942.D

Acq: 26 Jul 2019 11:09

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 91 Resp: 1938179

Ion Ratio Lower Upper

91 100

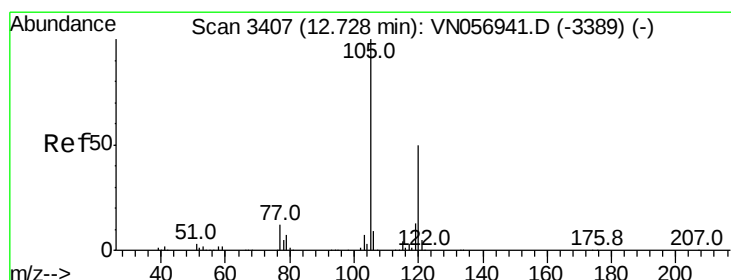
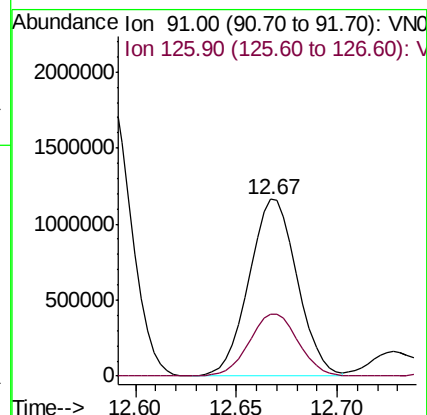
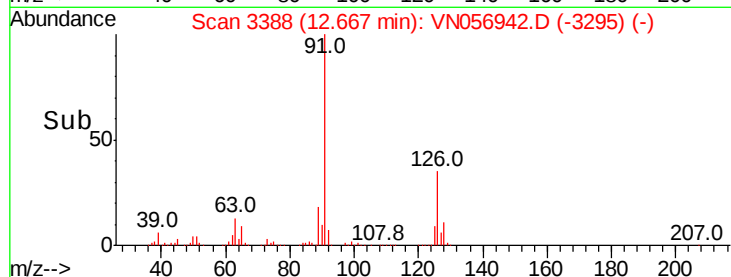
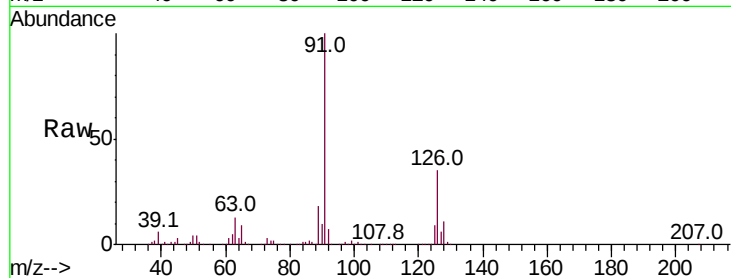
126 35.9 17.9 53.7

Manual Integrations

APPROVED

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#80

1,3,5-Trimethylbenzene

Concen: 87.921 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN056942.D

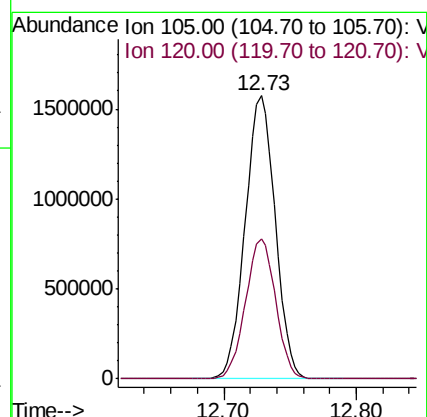
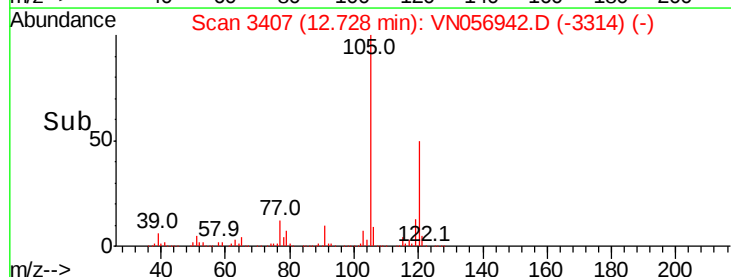
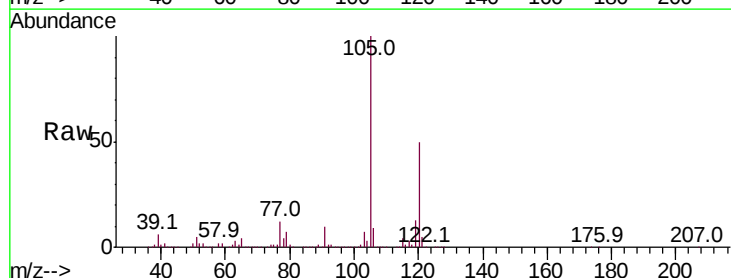
Acq: 26 Jul 2019 11:09

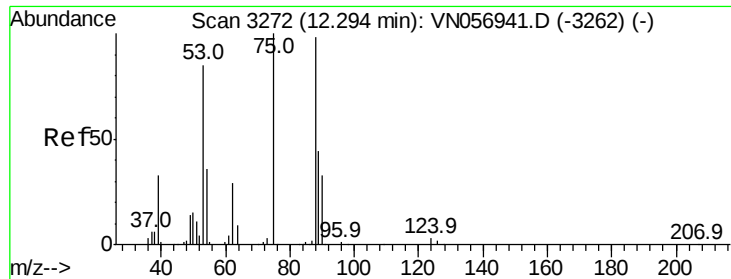
Tgt Ion:105 Resp: 2474945

Ion Ratio Lower Upper

105 100

120 49.4 24.8 74.3





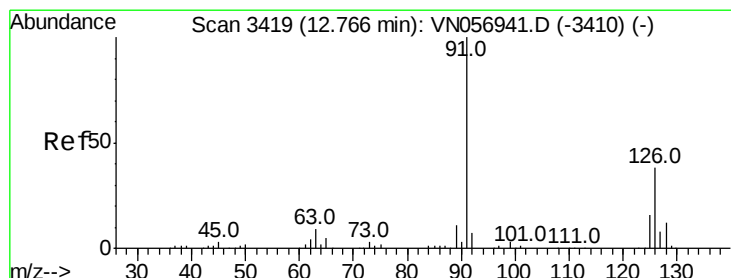
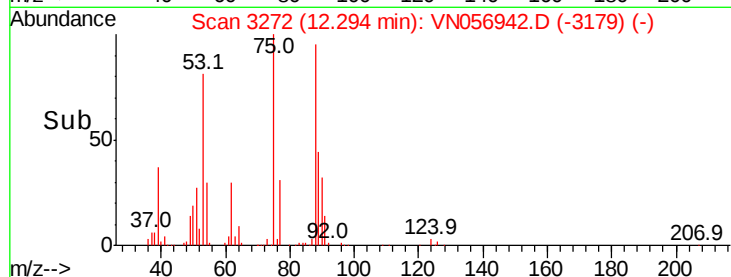
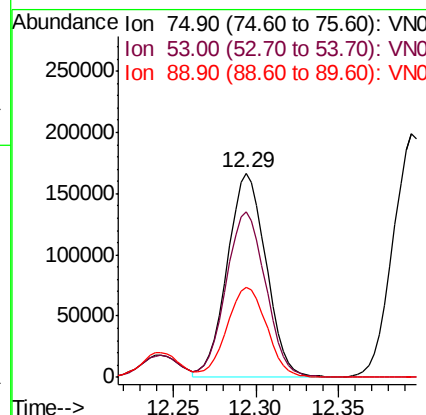
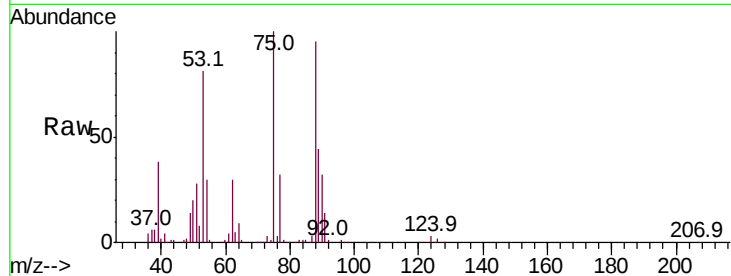
#81
trans-1,4-Dichloro-2-butene
Concen: 112.811 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. 0.00 min
Lab File: VN056942.D
Acq: 26 Jul 2019 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	83.1	69.3	103.9
89	45.0	35.8	53.6

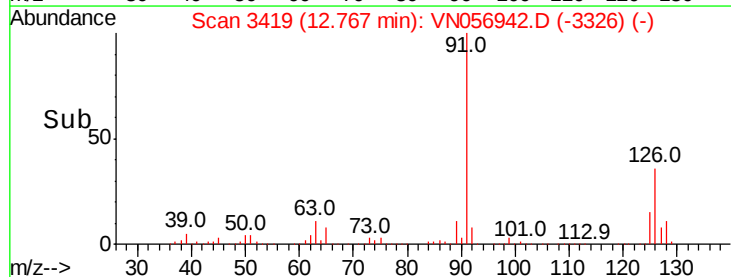
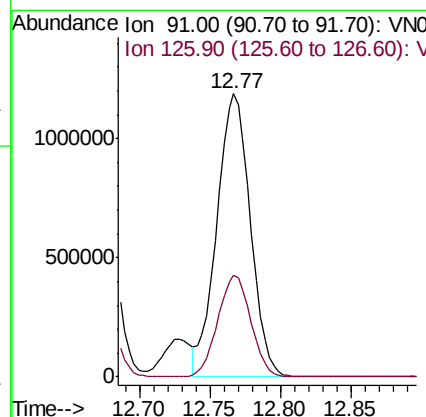
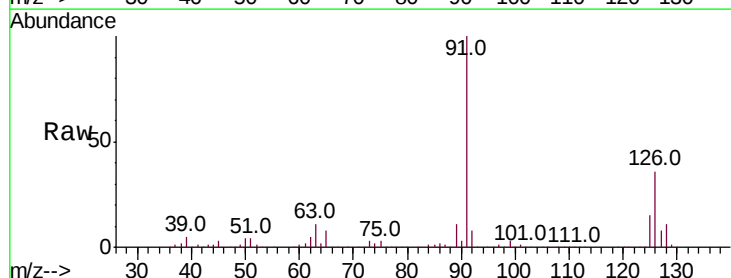
Manual Integrations
APPROVED

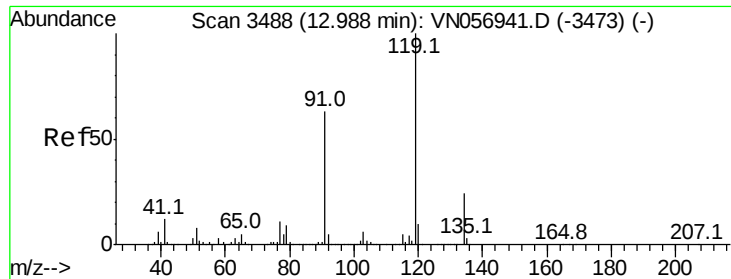
MMDadoda
8/2/2019 9:13:20 AM



#82
4-Chlorotoluene
Concen: 94.955 ug/l
RT: 12.77 min Scan# 3419
Delta R.T. 0.00 min
Lab File: VN056942.D
Acq: 26 Jul 2019 11:09

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.4	17.5	52.5





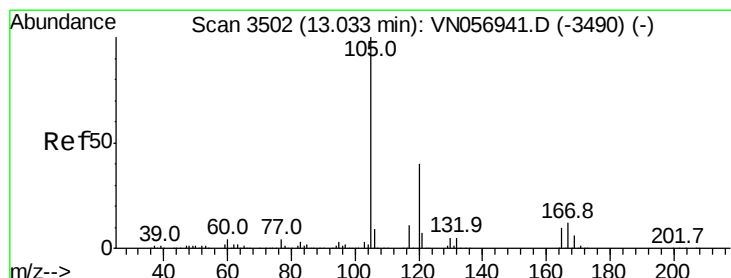
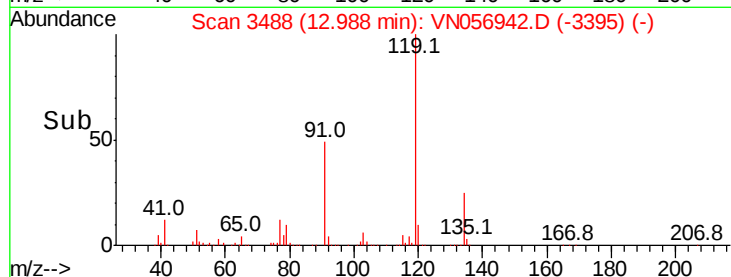
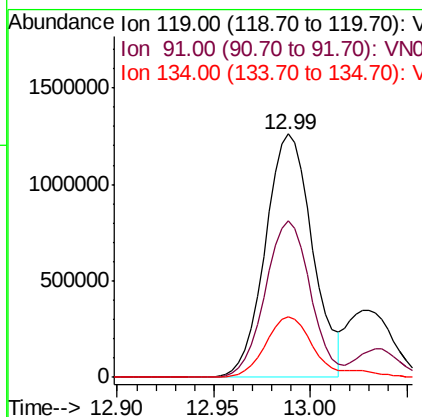
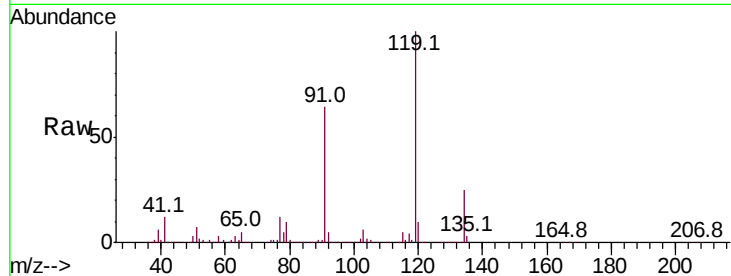
#83
tert-Butylbenzene
Concen: 86.041 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. 0.00 min
Lab File: VN056942.D
Acq: 26 Jul 2019 11:09

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.1	31.3	93.8
134	26.4	13.3	39.8

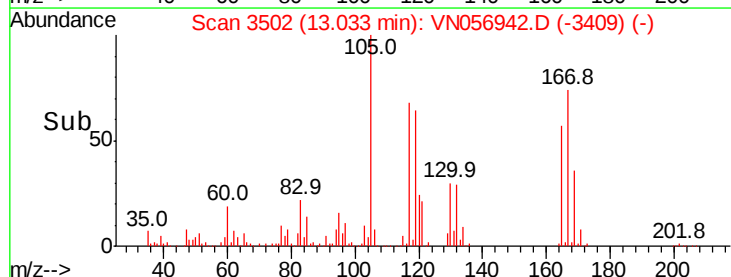
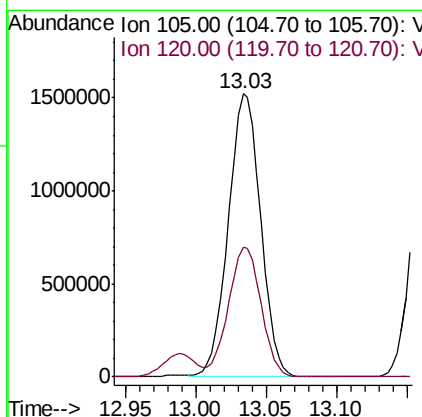
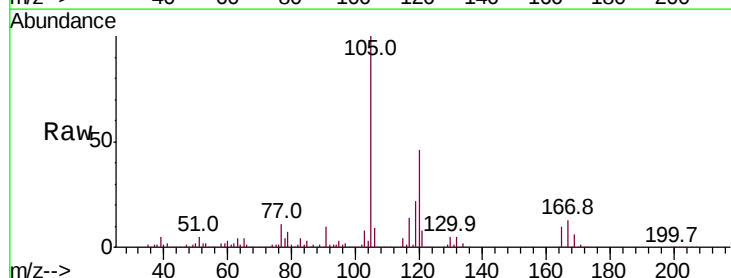
Manual Integrations
APPROVED

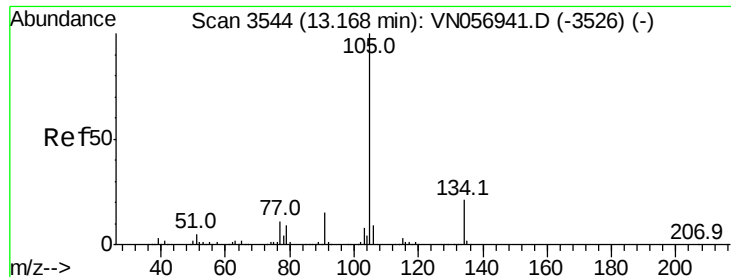
MMDadoda
8/2/2019 9:13:20 AM



#84
1,2,4-Trimethylbenzene
Concen: 91.534 ug/l
RT: 13.03 min Scan# 3502
Delta R.T. 0.00 min
Lab File: VN056942.D
Acq: 26 Jul 2019 11:09

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.6	23.2	69.6





#85

sec-Butylbenzene

Concen: 90.811 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN056942.D

Acq: 26 Jul 2019 11:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 2848041

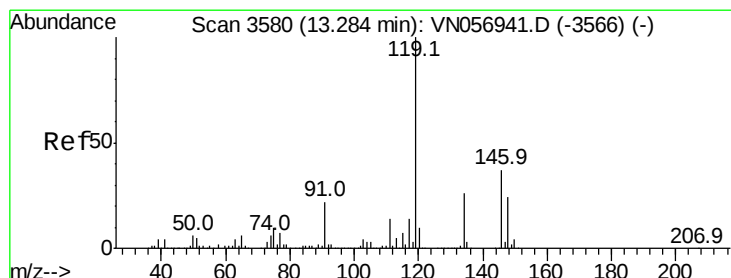
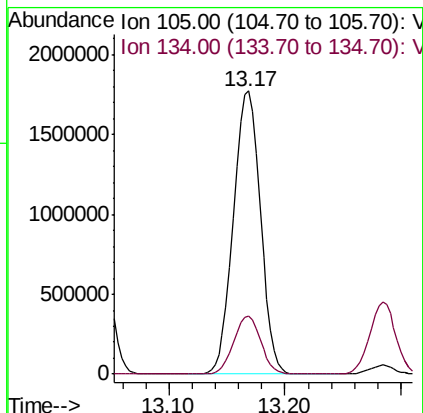
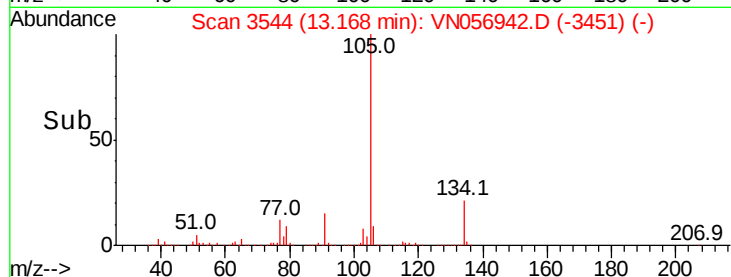
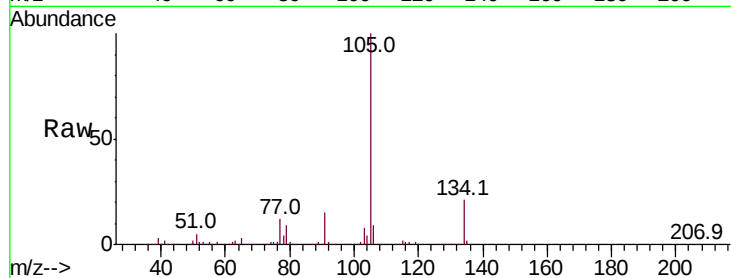
Ion Ratio Lower Upper

105 100

134 20.5 10.3 30.8

Manual Integrations
APPROVED

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#86

p-Isopropyltoluene

Concen: 94.332 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN056942.D

Acq: 26 Jul 2019 11:09

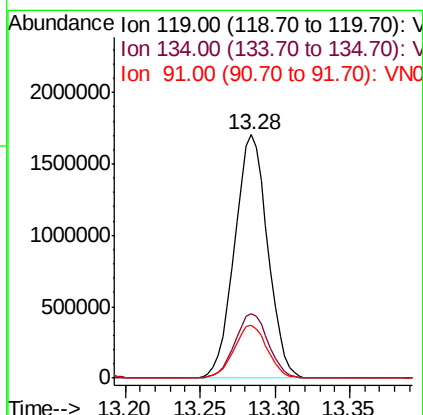
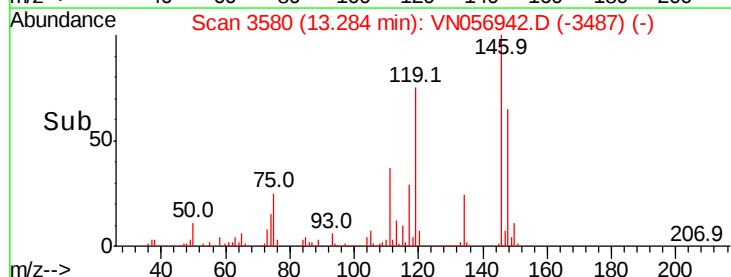
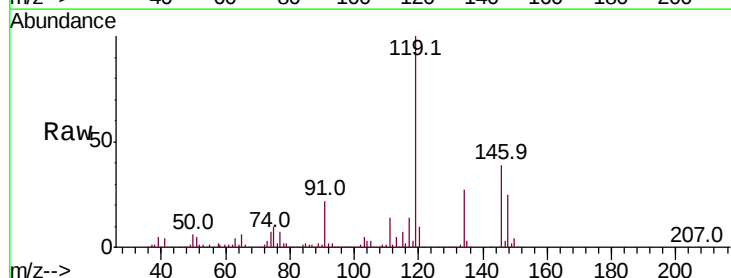
Tgt Ion:119 Resp: 2617623

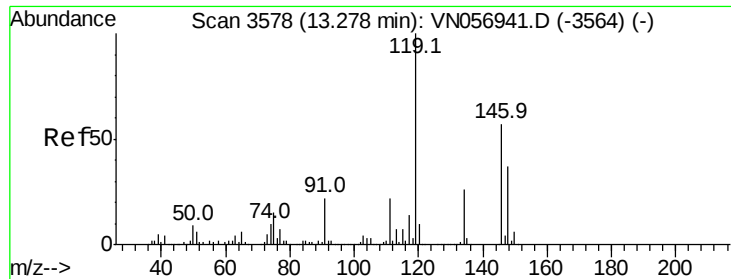
Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.1

91 21.9 11.0 33.0





#87
 1,3-Dichlorobenzene
 Concen: 98.192 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN056942.D
 Acq: 26 Jul 2019 11:09

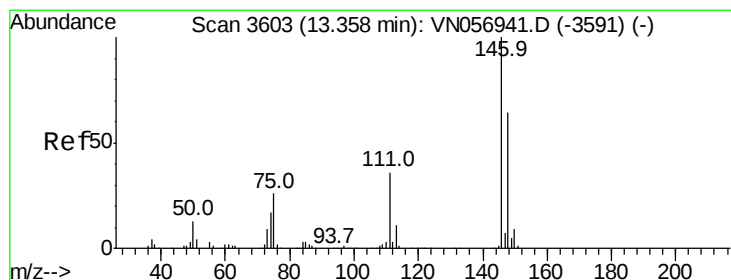
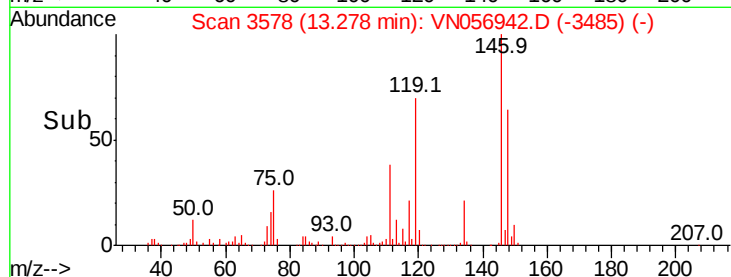
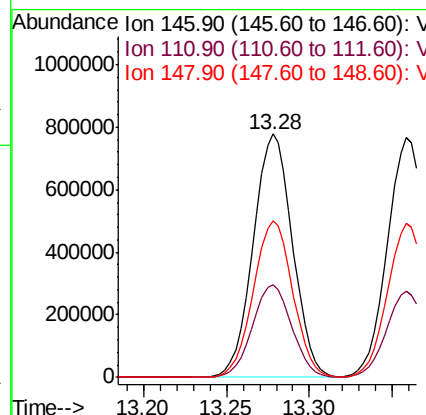
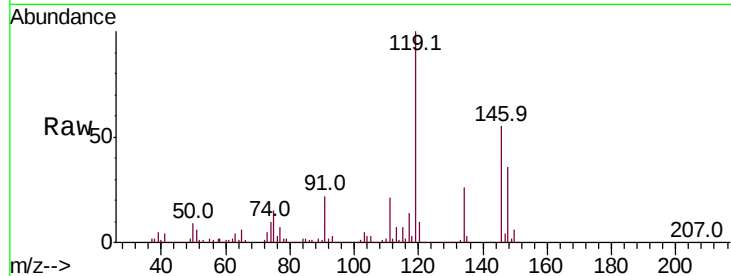
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:146 Resp: 1280592

Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.6	55.8
148	64.4	32.2	96.6

Manual Integrations
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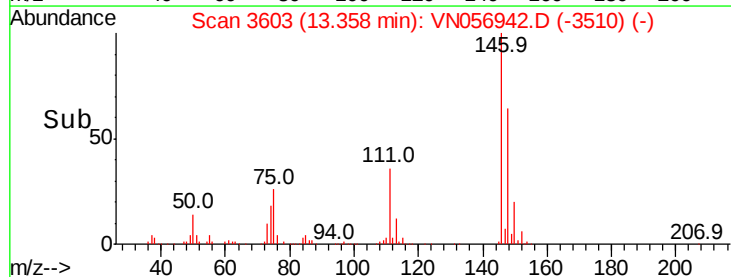
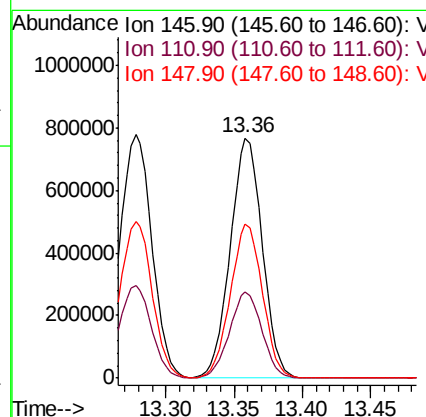
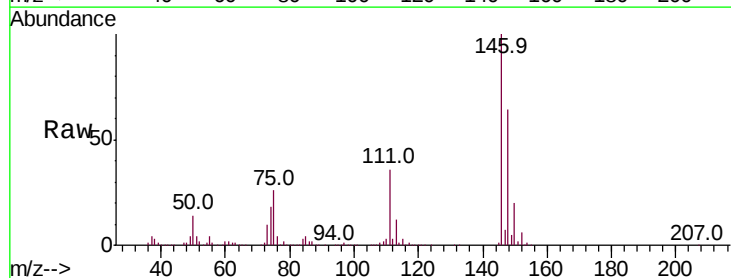
MMDadoda
 8/2/2019 9:13:20 AM

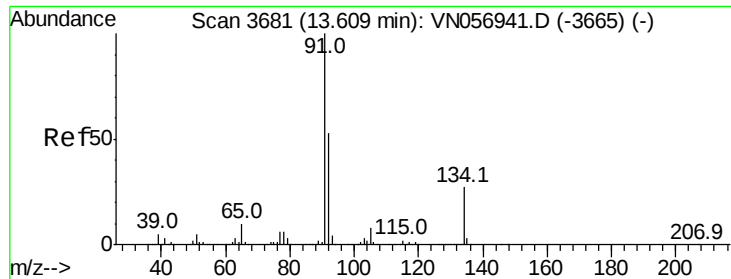


#88
 1,4-Dichlorobenzene
 Concen: 99.868 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN056942.D
 Acq: 26 Jul 2019 11:09

Tgt Ion:146 Resp: 1250871

Ion	Ratio	Lower	Upper
146	100		
111	36.1	18.4	55.2
148	64.3	32.3	96.9





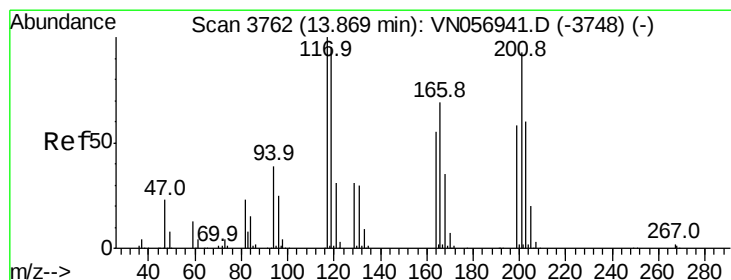
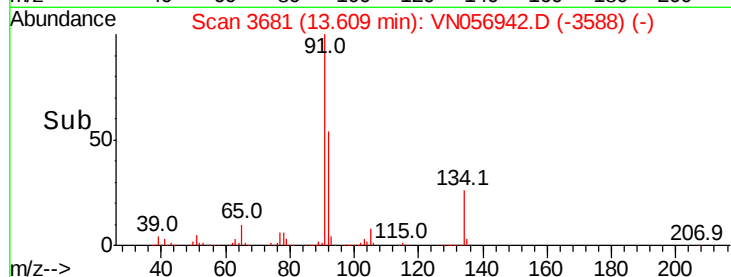
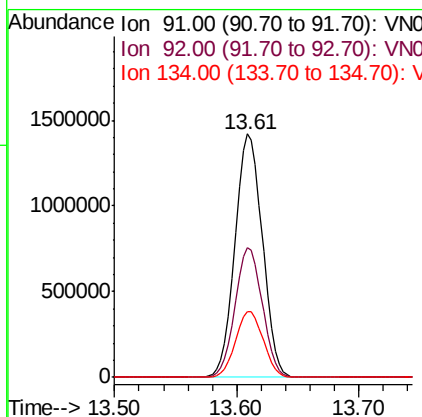
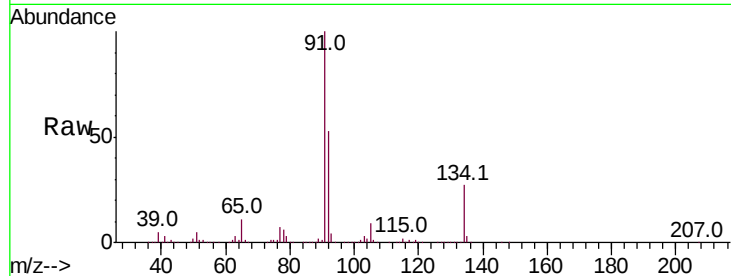
#89
n-Butylbenzene
Concen: 102.886 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. 0.00 min
Lab File: VN056942.D
Acq: 26 Jul 2019 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 2206589
Ion Ratio Lower Upper
91 100
92 53.0 26.2 78.5
134 27.4 13.5 40.4

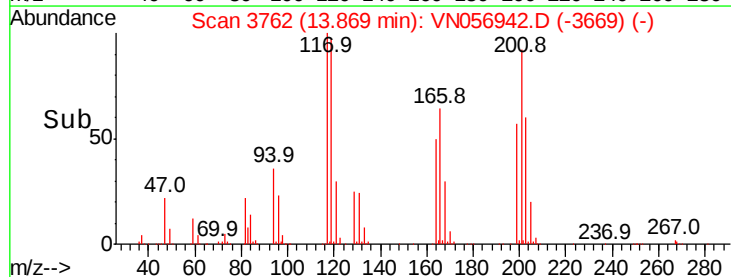
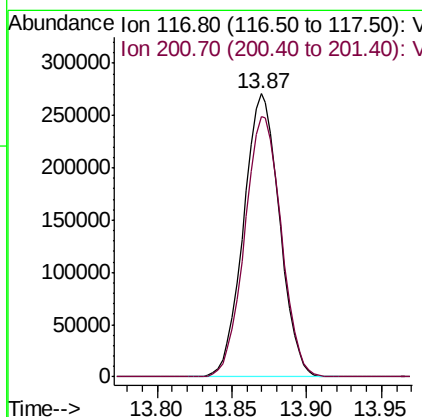
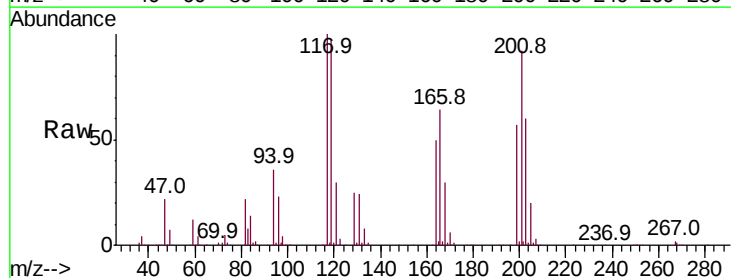
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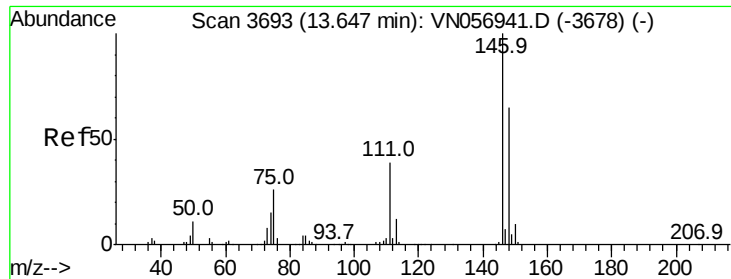
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8/2/2019 9:13:20 AM



#90
Hexachloroethane
Concen: 91.547 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN056942.D
Acq: 26 Jul 2019 11:09

Tgt Ion: 117 Resp: 452506
Ion Ratio Lower Upper
117 100
201 93.5 47.0 141.2





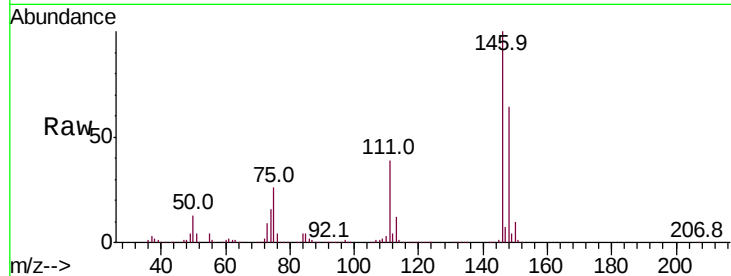
#91
 1,2-Dichlorobenzene
 Concen: 93.166 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. 0.00 min
 Lab File: VN056942.D
 Acq: 26 Jul 2019 11:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

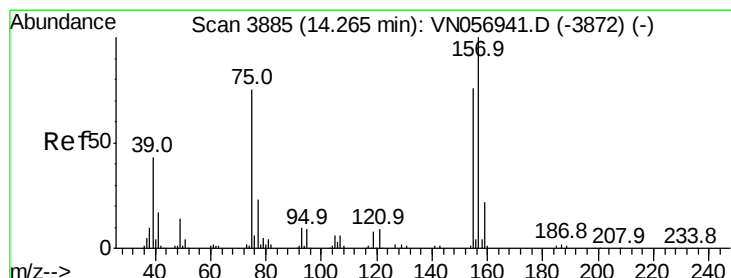
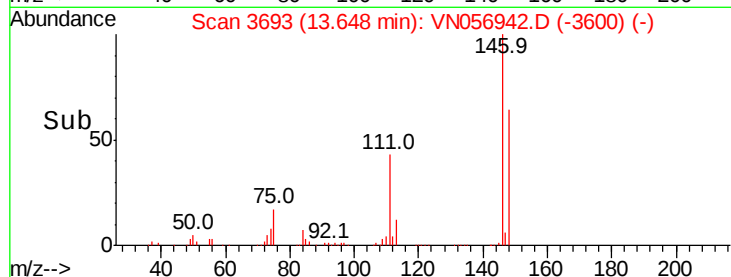
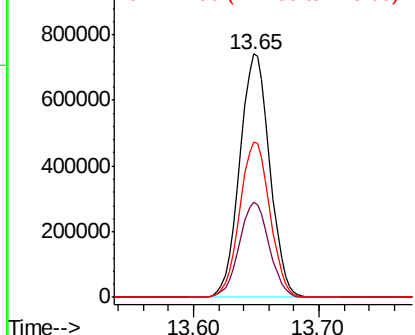
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.4	58.4
148	64.4	32.2	96.6

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 8/2/2019 9:13:20 AM

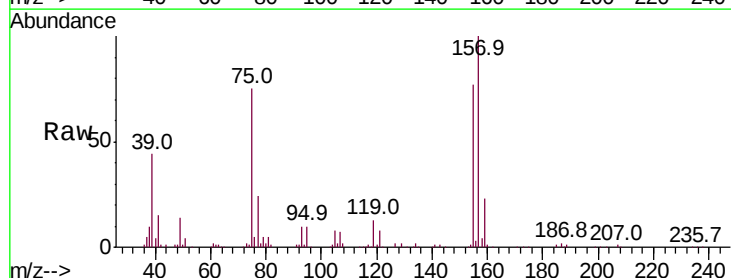


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

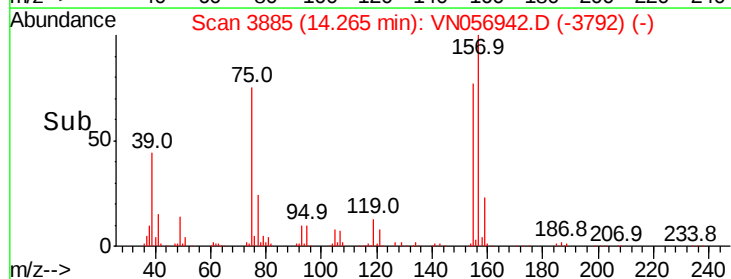
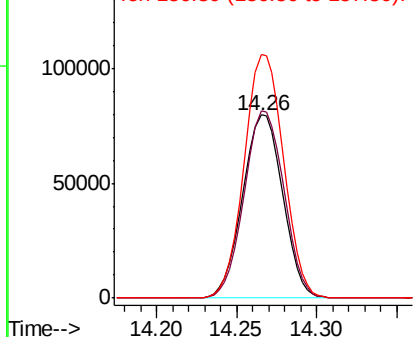


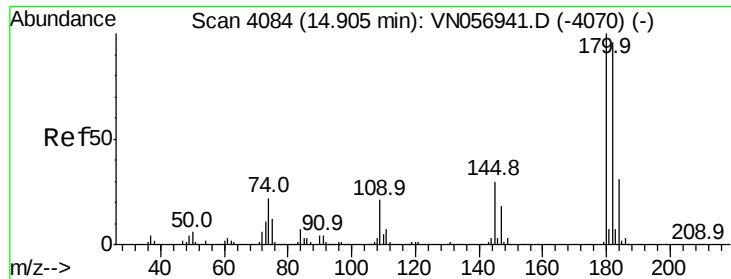
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 100.365 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN056942.D
 Acq: 26 Jul 2019 11:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.4	50.2	150.6
157	130.8	65.1	195.4



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V





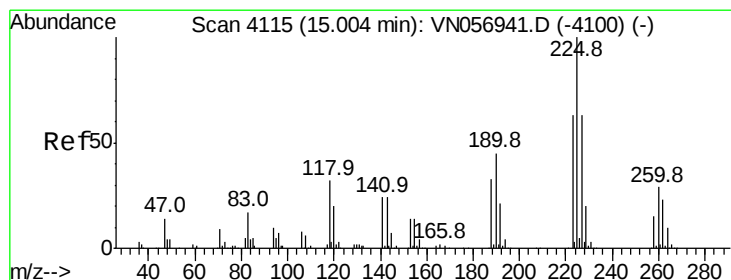
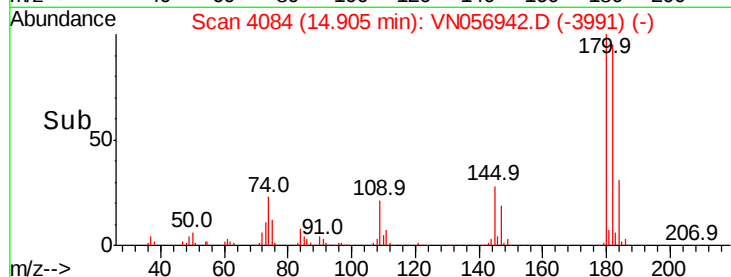
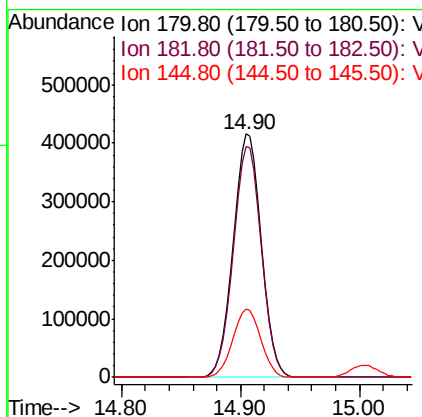
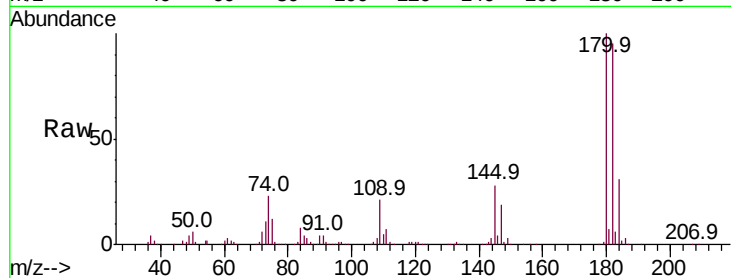
#93
 1,2,4-Trichlorobenzene
 Concen: 122.994 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN056942.D
 Acq: 26 Jul 2019 11:09

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.0	47.6	142.8	
145	28.1	14.2	42.8	

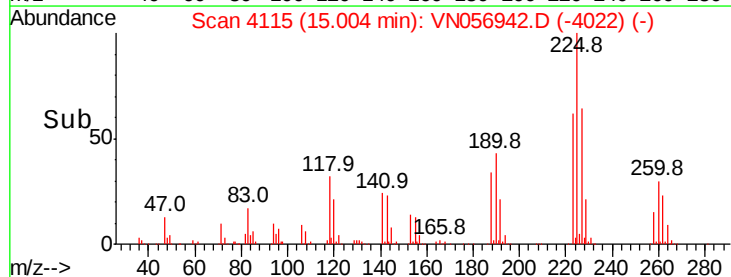
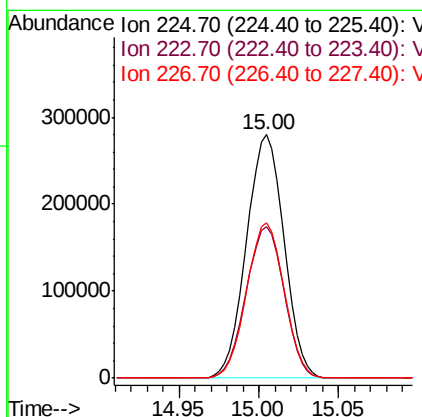
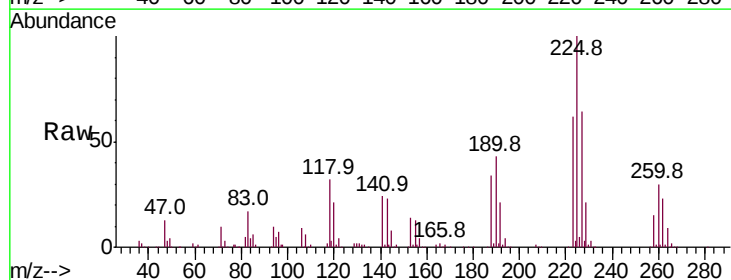
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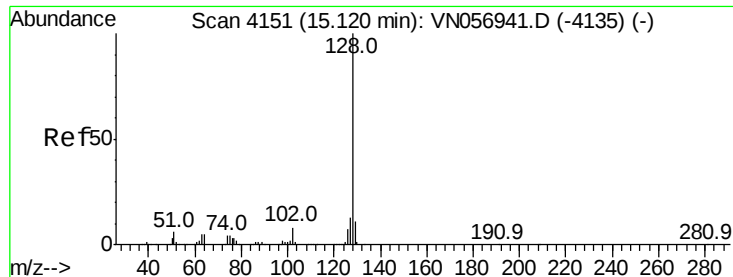
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#94
 Hexachlorobutadiene
 Concen: 83.669 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. 0.00 min
 Lab File: VN056942.D
 Acq: 26 Jul 2019 11:09

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.1	30.8	92.4	
227	63.8	31.1	93.5	





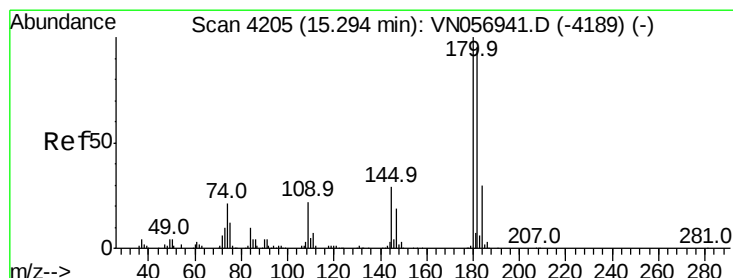
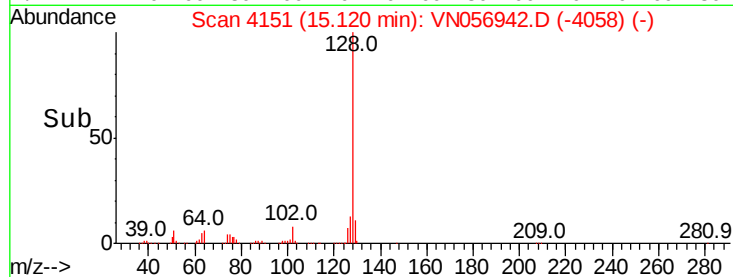
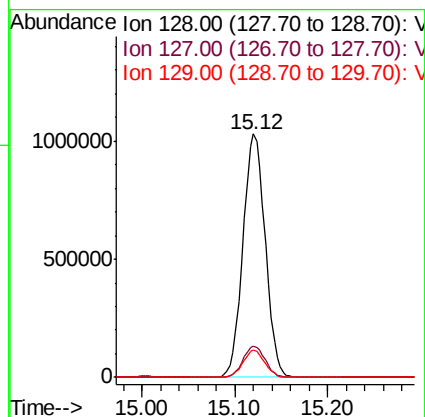
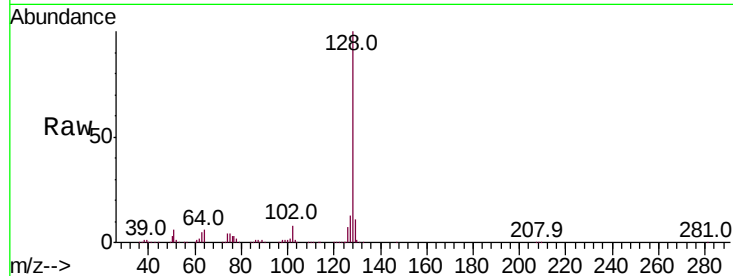
#95
Naphthalene
Concen: 124.660 ug/l
RT: 15.12 min Scan# 4151
Delta R.T. 0.00 min
Lab File: VN056942.D
Acq: 26 Jul 2019 11:09

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.0	15.0
129	10.8	8.7	13.1

Manual Integrations
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8/2/2019 9:13:20 AM



#96
1,2,3-Trichlorobenzene
Concen: 116.859 ug/l
RT: 15.29 min Scan# 4205
Delta R.T. 0.00 min
Lab File: VN056942.D
Acq: 26 Jul 2019 11:09

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	48.0	144.2
145	29.9	15.0	45.0

