

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072719\
 Data File : VN056943.D
 Acq On : 26 Jul 2019 12:42
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 8/2/2019 9:13:27 AM

Quant Time: Jul 27 00:46:49 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	596771	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	895061	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	823919	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	386349	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	917563	149.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	299.04%	
35) Dibromofluoromethane	7.57	113	865784	152.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	305.06%	
50) Toluene-d8	10.08	98	3353647	155.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	311.06%	
62) 4-Bromofluorobenzene	12.39	95	1182725	168.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	336.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	999977	158.829	ug/l	98
3) Chloromethane	2.05	50	1221036	162.786	ug/l	100
4) Vinyl Chloride	2.18	62	1085464	152.691	ug/l	99
5) Bromomethane	2.51	94	632999	147.402	ug/l	98
6) Chloroethane	2.67	64	541775	137.528	ug/l	99
7) Trichlorofluoromethane	2.99	101	1351536	145.772	ug/l	100
8) Diethyl Ether	3.39	74	530784	152.897	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	821430	143.389	ug/l	100
10) Methyl Iodide	3.93	142	951627	114.911	ug/l	100
11) Tert butyl alcohol	4.77	59	636383	716.550	ug/l	99
12) 1,1-Dichloroethene	3.72	96	825554	149.958	ug/l	100
13) Acrolein	3.59	56	313951	641.763	ug/l	99
14) Allyl chloride	4.30	41	1390786	155.438	ug/l	100
15) Acrylonitrile	4.96	53	1988347	783.418	ug/l	98
16) Acetone	3.80	43	1660811	784.873	ug/l	100
17) Carbon Disulfide	4.03	76	2290551	155.119	ug/l	100
18) Methyl Acetate	4.30	43	1034020	140.614	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	2495585	153.463	ug/l	100
20) Methylene Chloride	4.53	84	940986	143.444	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	876109	148.792	ug/l	100
22) Diisopropyl ether	5.93	45	2767384	152.376	ug/l	97
23) Vinyl Acetate	5.87	43	10158692	807.497	ug/l	99
24) 1,1-Dichloroethane	5.83	63	1590143	148.785	ug/l	99
25) 2-Butanone	6.82	43	2497507	769.140	ug/l	98
26) 2,2-Dichloropropane	6.81	77	1253096	159.438	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	1012213	150.599	ug/l	98
28) Bromochloromethane	7.18	49	699800	142.687	ug/l	100
29) Tetrahydrofuran	7.19	42	1599591	753.072	ug/l	100
30) Chloroform	7.36	83	1553899	141.226	ug/l	100
31) Cyclohexane	7.63	56	1487379	143.073	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	1351173	153.627	ug/l	99
36) 1,1-Dichloropropene	7.78	75	1227093	151.912	ug/l	100
37) Ethyl Acetate	6.91	43	986523	148.756	ug/l	98
38) Carbon Tetrachloride	7.76	117	1190997	154.850	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	1572548	159.237	ug/l	99
40) Benzene	8.03	78	3739280	149.032	ug/l	99
41) Methacrylonitrile	7.16	41	511628	173.430	ug/l	88
42) 1,2-Dichloroethane	8.11	62	1132433	146.349	ug/l	100
43) Isopropyl Acetate	8.15	43	1671994	154.120	ug/l	99
44) Trichloroethene	8.82	130	1023274	150.045	ug/l	100
45) 1,2-Dichloropropane	9.11	63	1003730	149.205	ug/l	99
46) Dibromomethane	9.20	93	613426	150.984	ug/l	99
47) Bromodichloromethane	9.39	83	1252929	157.782	ug/l	100
48) Methyl methacrylate	9.19	41	823636	158.981	ug/l	99
49) 1,4-Dioxane	9.19	88	321564	2999.616	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	4890103	758.166	ug/l	100
52) Toluene	10.15	92	2331654	155.341	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	1396818	173.973	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	1567793	166.447	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	896433	148.367	ug/l	99
56) Ethyl methacrylate	10.42	69	1360448	166.834	ug/l	99
57) 1,3-Dichloropropane	10.70	76	1513559	153.311	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	2946691	910.072	ug/l	100
59) 2-Hexanone	10.74	43	3540276	798.907	ug/l	99
60) Dibromochloromethane	10.89	129	1025164	166.266	ug/l	99
61) 1,2-Dibromoethane	11.00	107	943247	157.783	ug/l	99
64) Tetrachloroethene	10.62	164	906360	123.153	ug/l	98
65) Chlorobenzene	11.43	112	2566685	150.998	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	963129	151.766	ug/l	99
67) Ethyl Benzene	11.50	91	4502477	153.897	ug/l	100
68) m/p-Xylenes	11.61	106	3373197	309.567	ug/l	99
69) o-Xylene	11.94	106	1636600	153.499	ug/l	100
70) Styrene	11.96	104	2886792	170.915	ug/l	99
71) Bromoform	12.12	173	750018	168.402	ug/l #	99
73) Isopropylbenzene	12.24	105	4368172	126.151	ug/l	100
74) N-amyl acetate	12.06	43	1455970	142.383	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	1195497	118.476	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	1003173m	132.609	ug/l	
77) Bromobenzene	12.52	156	1178968	132.950	ug/l	100
78) n-propylbenzene	12.59	91	4969194	135.816	ug/l	99
79) 2-Chlorotoluene	12.67	91	2938451	129.002	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	3680224	128.694	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	397146	161.887	ug/l	97
82) 4-Chlorotoluene	12.77	91	2973329	142.242	ug/l	100
83) tert-Butylbenzene	12.99	119	3247716	128.722	ug/l	100
84) 1,2,4-Trimethylbenzene	13.03	105	3651967	135.027	ug/l	100
85) sec-Butylbenzene	13.17	105	4264458	133.849	ug/l	100
86) p-Isopropyltoluene	13.28	119	3914945	138.879	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1951120	147.268	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1914426	150.457	ug/l	99
89) n-Butylbenzene	13.61	91	3295865	151.274	ug/l	99
90) Hexachloroethane	13.87	117	687094	136.834	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	1856065	138.198	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	197446	143.242	ug/l	98

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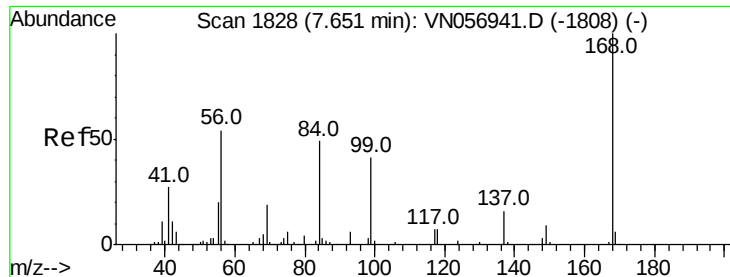
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	1054906	188.221	ug/l	100
94) Hexachlorobutadiene	15.00	225	638059	117.107	ug/l	98
95) Naphthalene	15.12	128	2586102	185.224	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	1048082	174.212	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN056943.D

Acq: 26 Jul 2019 12:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 596771

Ion Ratio Lower Upper

168 100

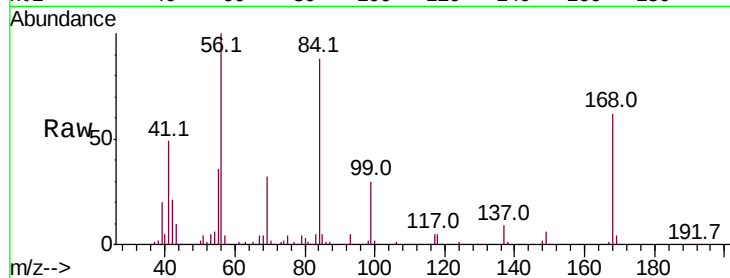
99 47.4 39.0 58.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

300000

200000

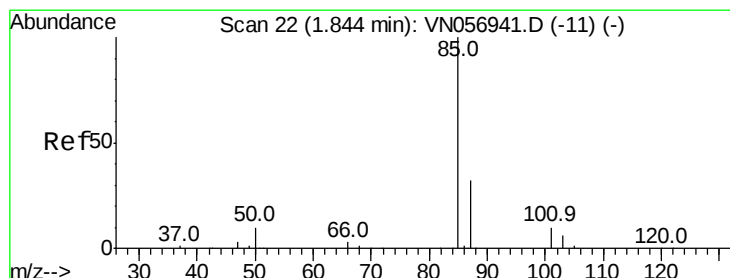
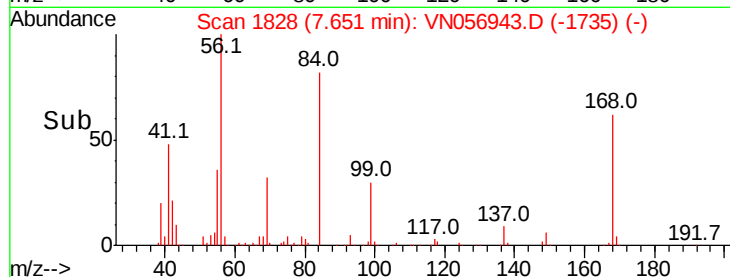
100000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 158.829 ug/l

RT: 1.84 min Scan# 21

Delta R.T. -0.00 min

Lab File: VN056943.D

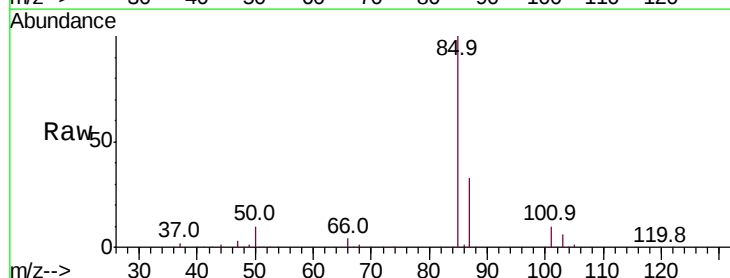
Acq: 26 Jul 2019 12:42

Tgt Ion: 85 Resp: 999977

Ion Ratio Lower Upper

85 100

87 32.7 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

800000

600000

400000

200000

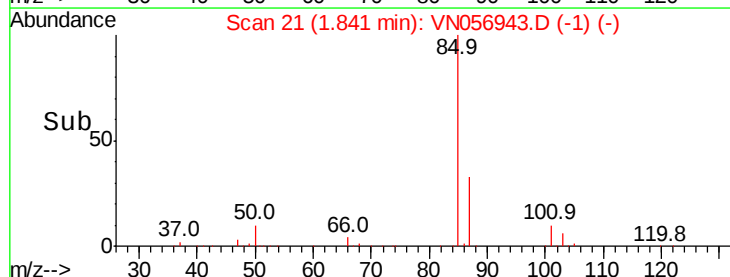
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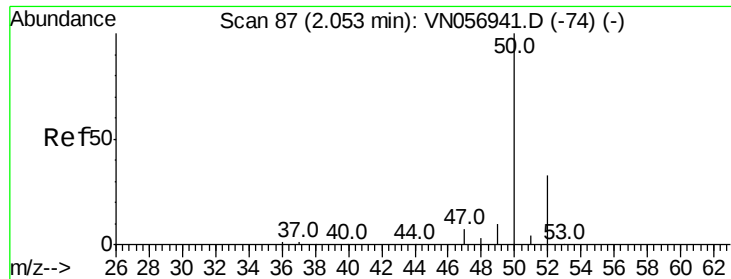
1.80

1.90

2.00

Time-->





#3

Chloromethane

Concen: 162.786 ug/l

RT: 2.05 min Scan# 86

Delta R.T. -0.00 min

Lab File: VN056943.D

Acq: 26 Jul 2019 12:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 1221036

Ion Ratio Lower Upper

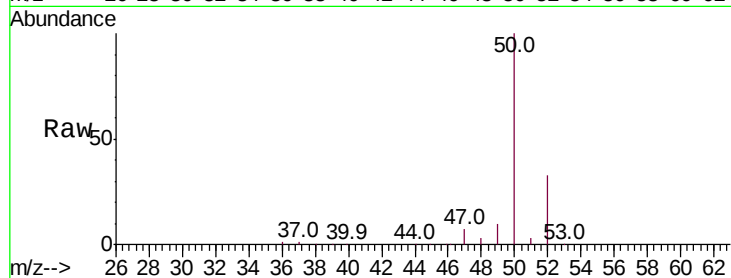
50 100

52 32.8 26.2 39.2

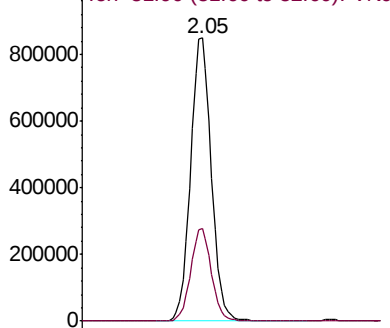
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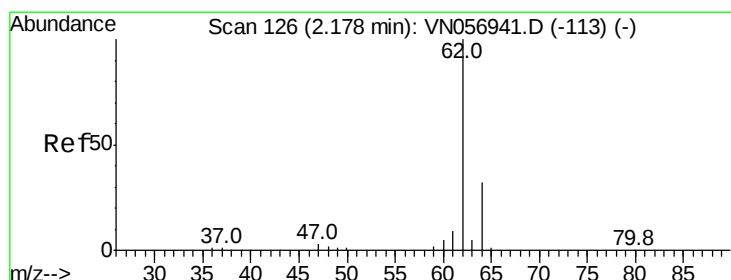
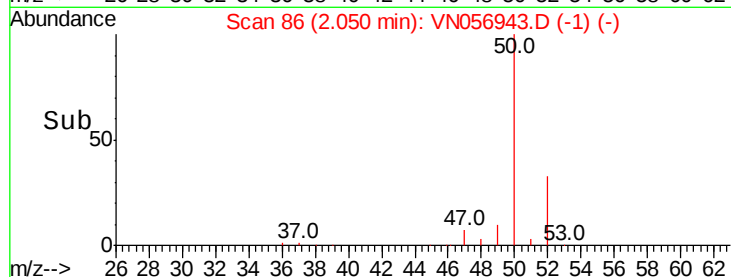
8/2/2019 9:13:27 AM



Abundance Ion 49.90 (49.60 to 50.60): VNO
Ion 51.90 (51.60 to 52.60): VNO



Time-->



#4

Vinyl Chloride

Concen: 152.691 ug/l

RT: 2.18 min Scan# 125

Delta R.T. -0.00 min

Lab File: VN056943.D

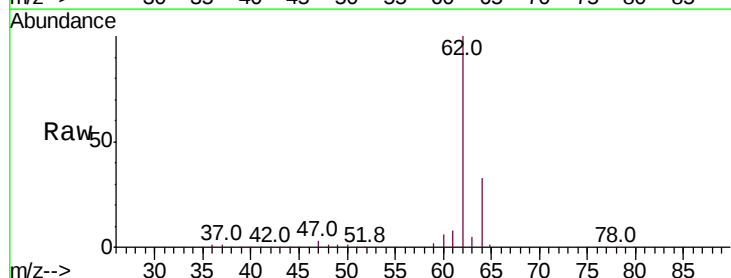
Acq: 26 Jul 2019 12:42

Tgt Ion: 62 Resp: 1085464

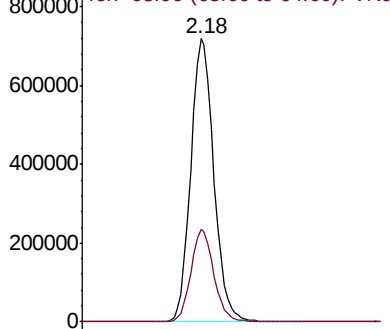
Ion Ratio Lower Upper

62 100

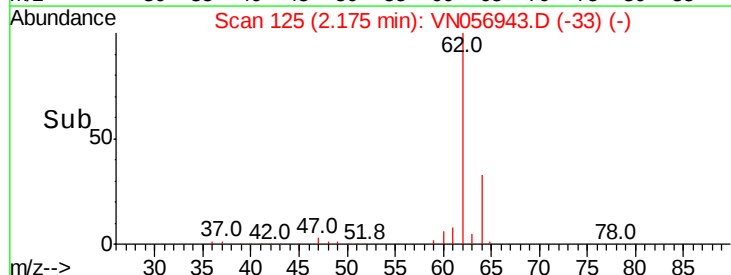
64 32.5 25.4 38.0

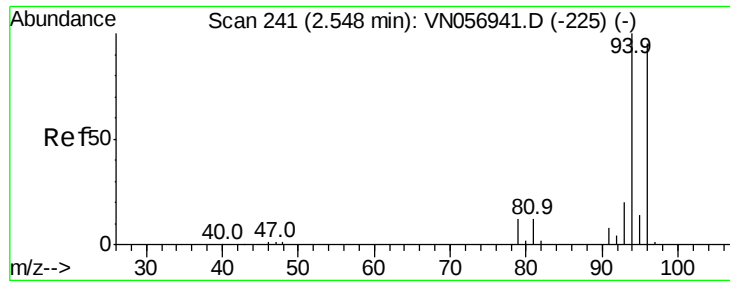


Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 63.90 (63.60 to 64.60): VNO



Time-->





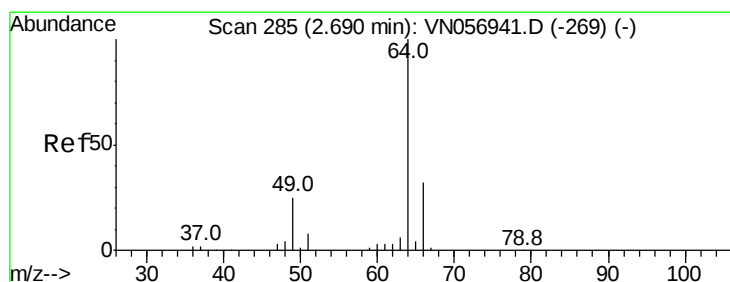
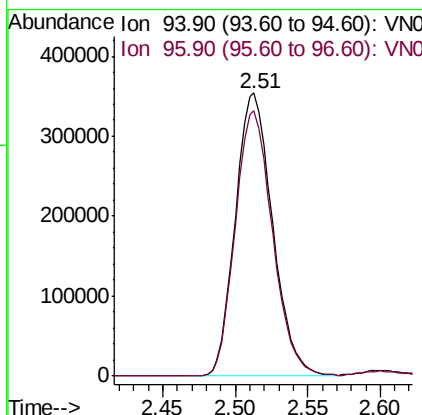
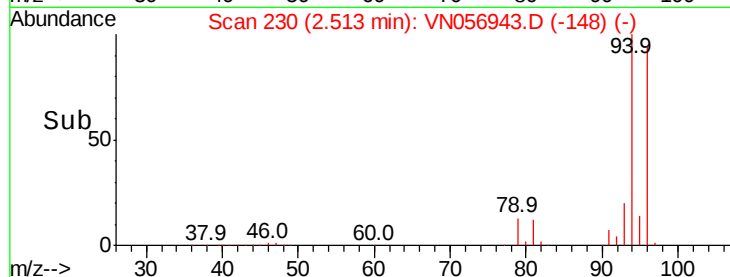
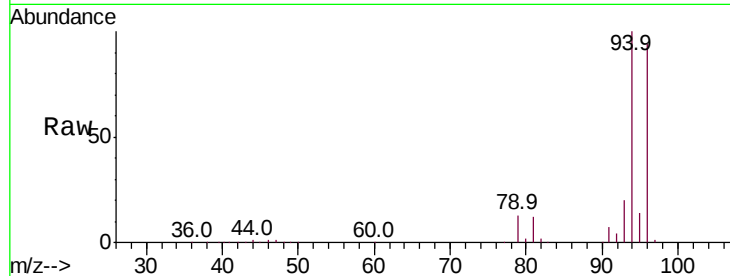
#5
Bromomethane
Concen: 147.402 ug/l
RT: 2.51 min Scan# 230
Delta R.T. -0.04 min
Lab File: VN056943.D
Acq: 26 Jul 2019 12:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 94 Resp: 632999
Ion Ratio Lower Upper
94 100
96 93.7 76.2 114.2

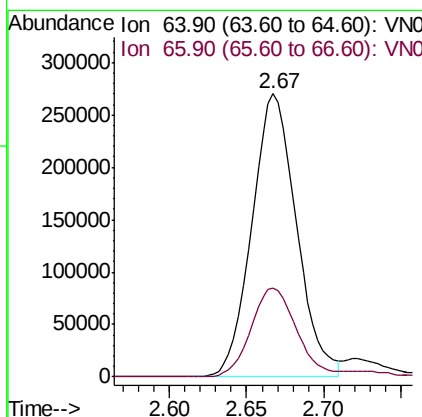
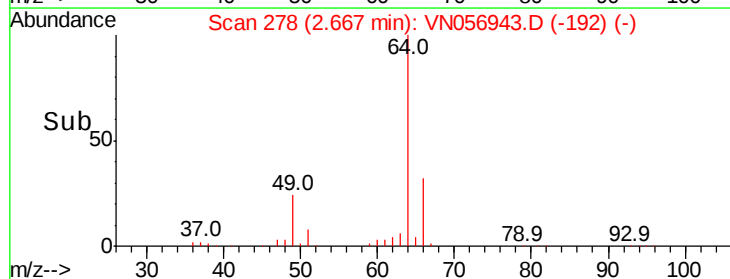
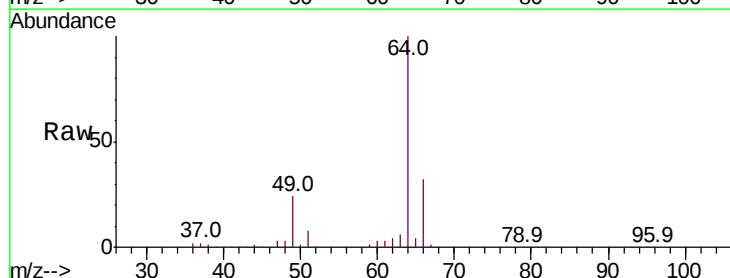
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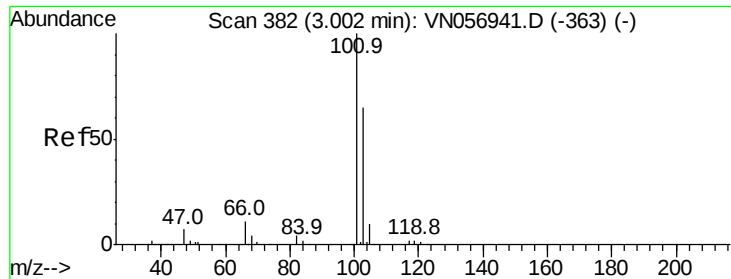
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#6
Chloroethane
Concen: 137.528 ug/l
RT: 2.67 min Scan# 278
Delta R.T. -0.02 min
Lab File: VN056943.D
Acq: 26 Jul 2019 12:42

Tgt Ion: 64 Resp: 541775
Ion Ratio Lower Upper
64 100
66 31.5 25.8 38.8





#7

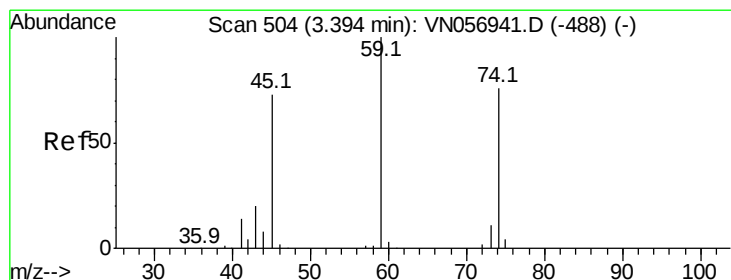
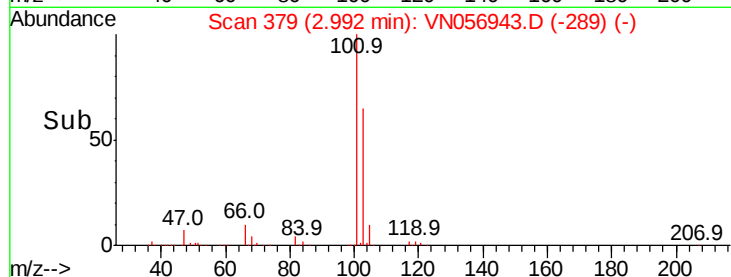
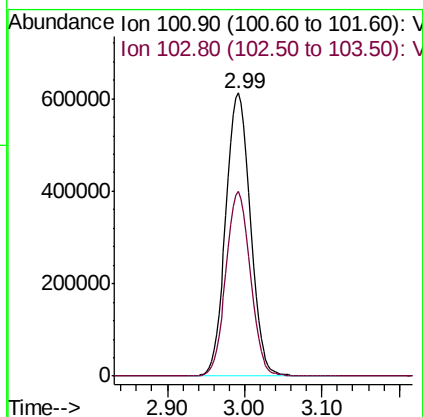
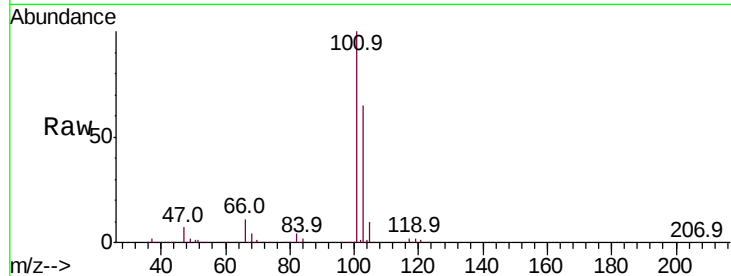
Trichlorofluoromethane
Concen: 145.772 ug/l
RT: 2.99 min Scan# 379
Delta R.T. -0.01 min
Lab File: VN056943.D
Acq: 26 Jul 2019 12:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:101 Resp: 1351536
Ion Ratio Lower Upper
101 100
103 65.2 52.1 78.1

Manual Integrations
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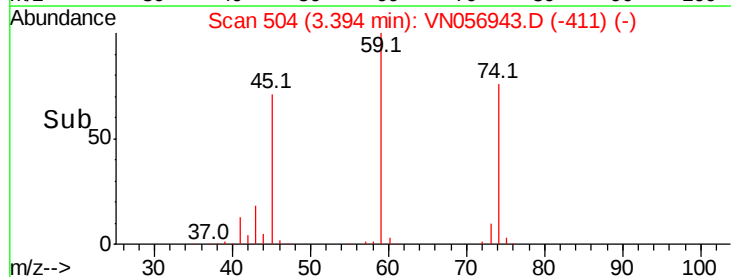
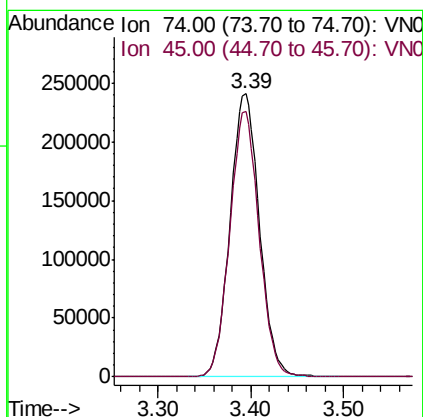
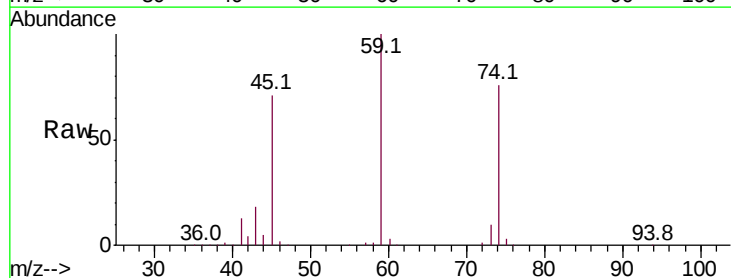
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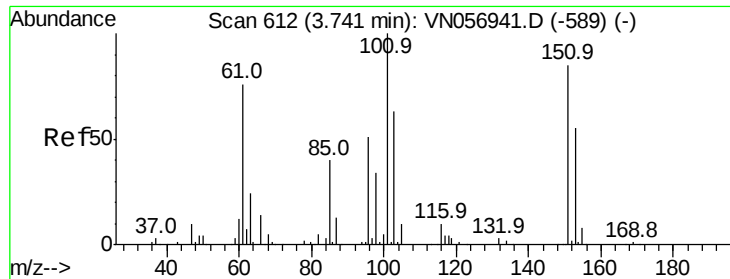


#8

Diethyl Ether
Concen: 152.897 ug/l
RT: 3.39 min Scan# 504
Delta R.T. 0.00 min
Lab File: VN056943.D
Acq: 26 Jul 2019 12:42

Tgt Ion: 74 Resp: 530784
Ion Ratio Lower Upper
74 100
45 93.6 48.1 144.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 143.389 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.01 min

Lab File: VN056943.D

Acq: 26 Jul 2019 12:42

Instrument :

MSVOA_N

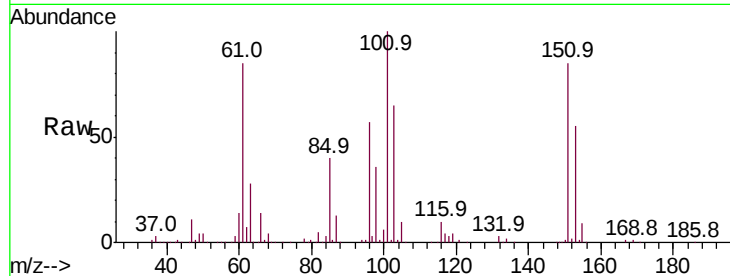
ClientSampleId :

VSTDIC150

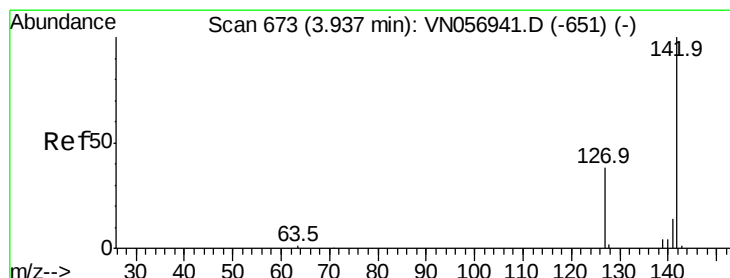
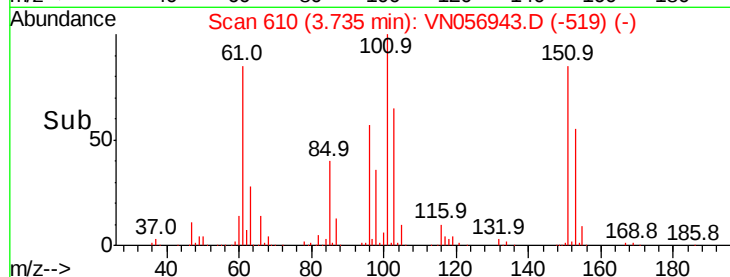
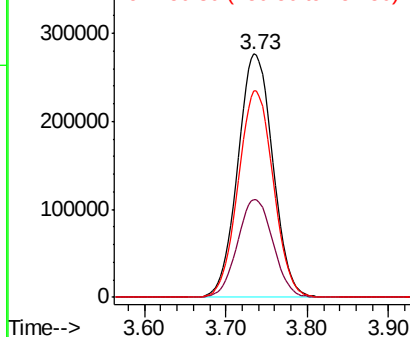
Tot Ion:	101	Resp:	821430
Ion Ratio	Lower	Upper	
101	100		
85	40.7	32.3	48.5
151	85.1	68.0	102.0

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 114.911 ug/l

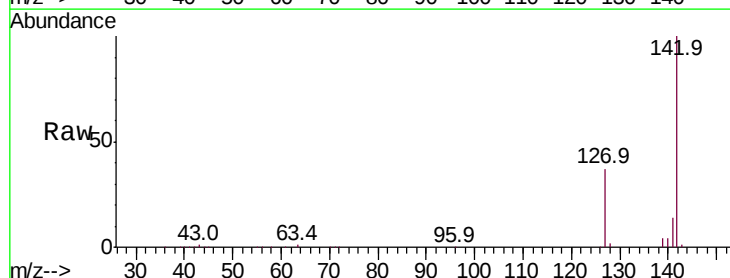
RT: 3.93 min Scan# 672

Delta R.T. -0.00 min

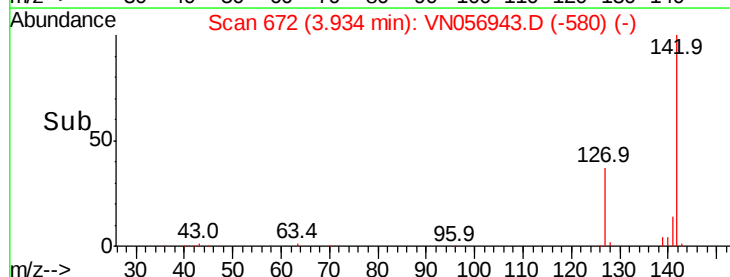
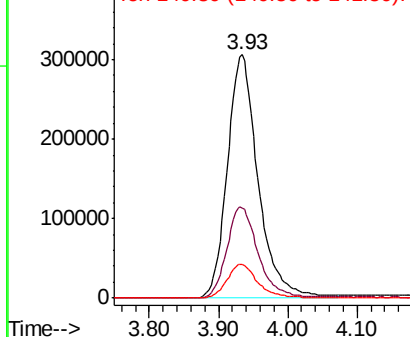
Lab File: VN056943.D

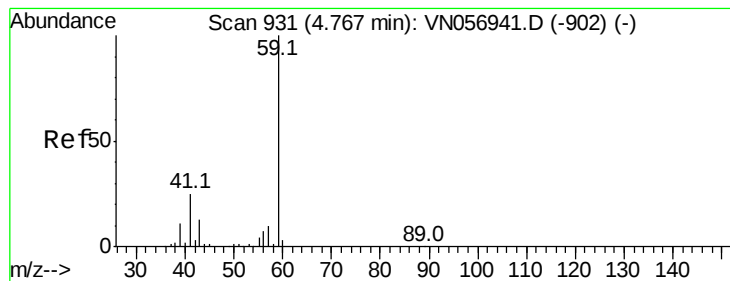
Acq: 26 Jul 2019 12:42

Tgt Ion:	142	Resp:	951627
Ion Ratio	Lower	Upper	
142	100		
127	38.2	30.4	45.6
141	14.0	11.1	16.7



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

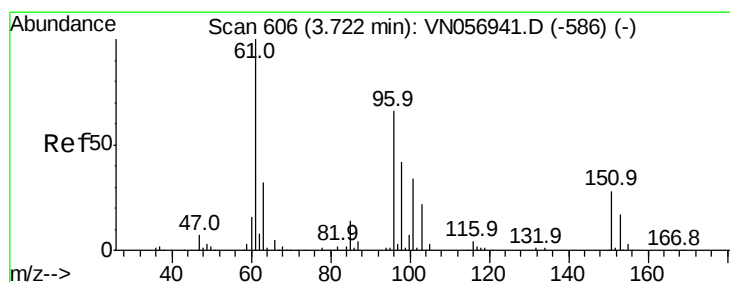
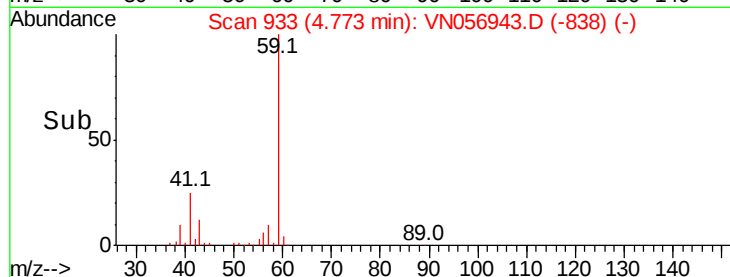
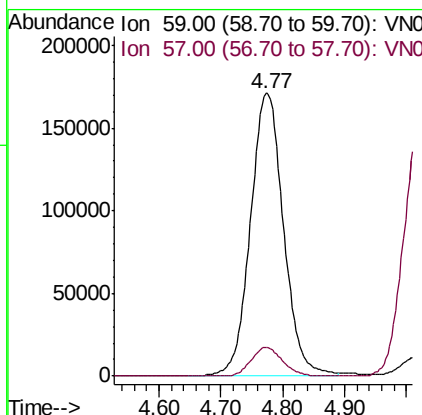
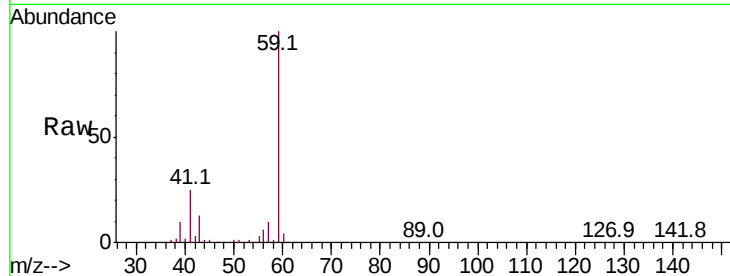
Tert butyl alcohol
 Concen: 716.550 ug/l
 RT: 4.77 min Scan# 933
 Delta R.T. 0.01 min
 Lab File: VN056943.D
 Acq: 26 Jul 2019 12:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.7	7.5	11.3

Manual Integrations
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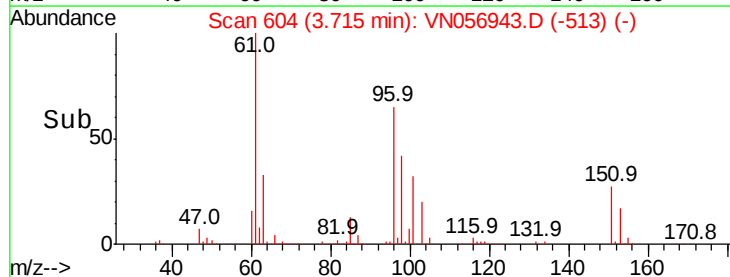
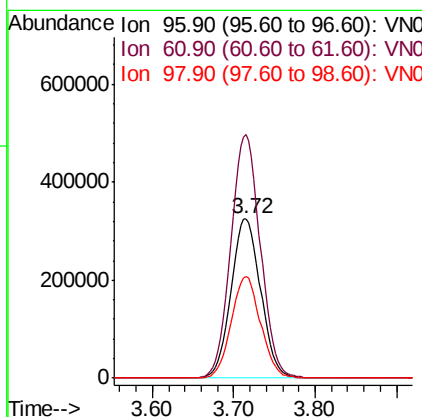
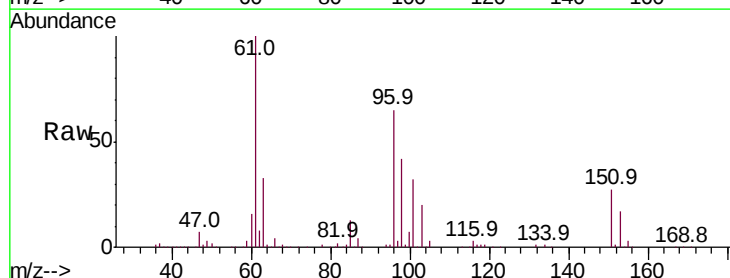
MMDadoda
 8/2/2019 9:13:27 AM

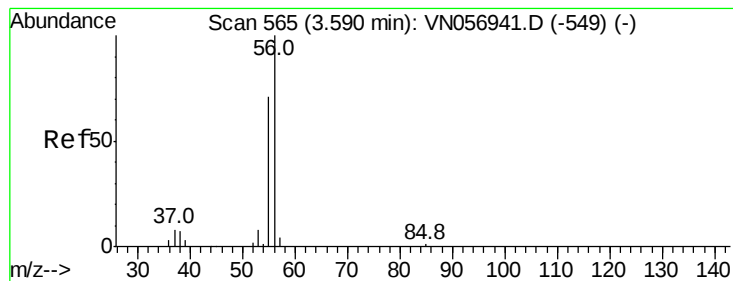


#12

1,1-Dichloroethene
 Concen: 149.958 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. -0.01 min
 Lab File: VN056943.D
 Acq: 26 Jul 2019 12:42

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.8	121.8	182.8
98	64.0	51.7	77.5





#13

Acrolein

Concen: 641.763 ug/l

RT: 3.59 min Scan# 565

Delta R.T. 0.00 min

Lab File: VN056943.D

Acq: 26 Jul 2019 12:42

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 56 Resp: 313951

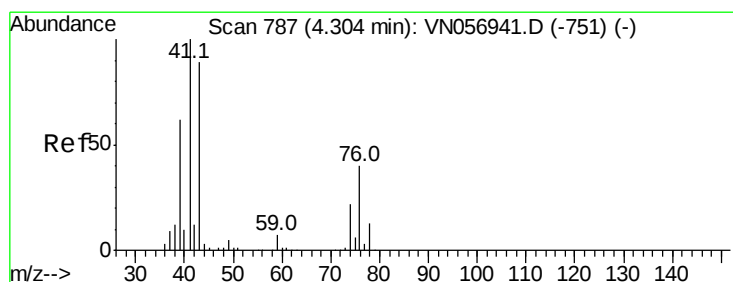
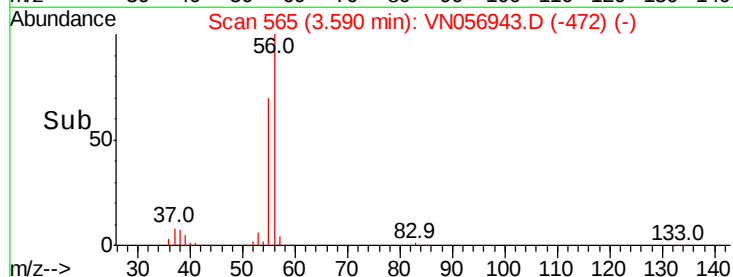
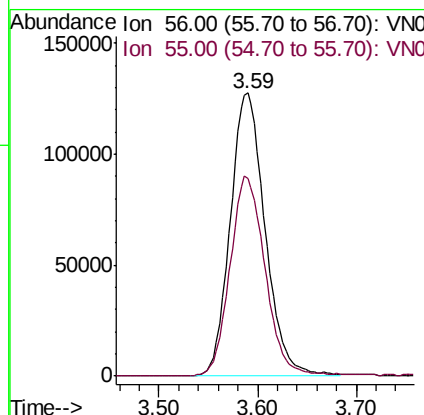
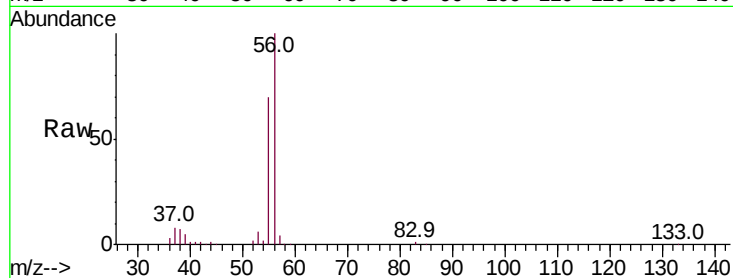
Ion Ratio Lower Upper

56 100

55 70.3 55.8 83.6

Manual Integrations
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#14

Allyl chloride

Concen: 155.438 ug/l

RT: 4.30 min Scan# 786

Delta R.T. -0.00 min

Lab File: VN056943.D

Acq: 26 Jul 2019 12:42

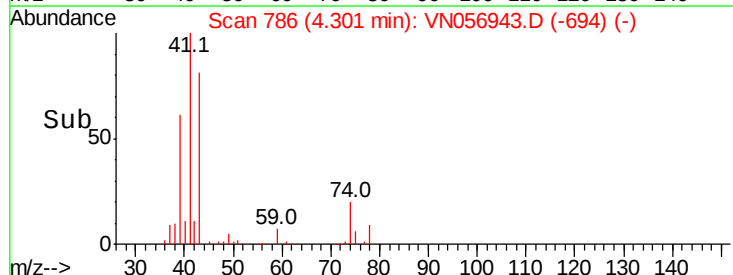
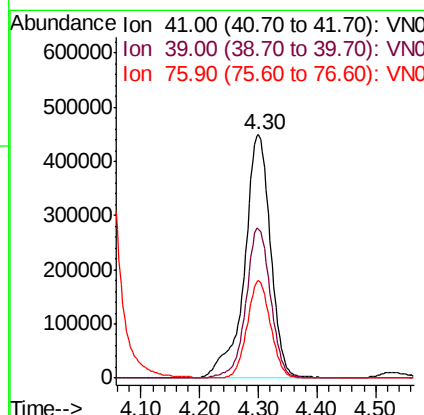
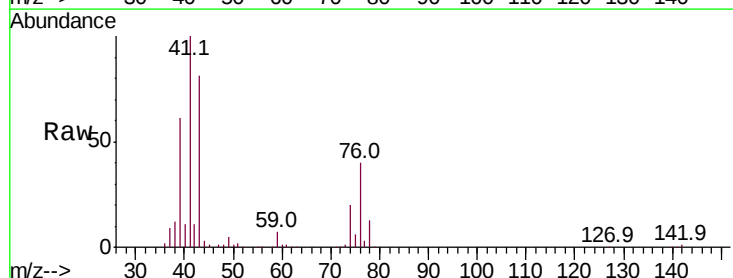
Tgt Ion: 41 Resp: 1390786

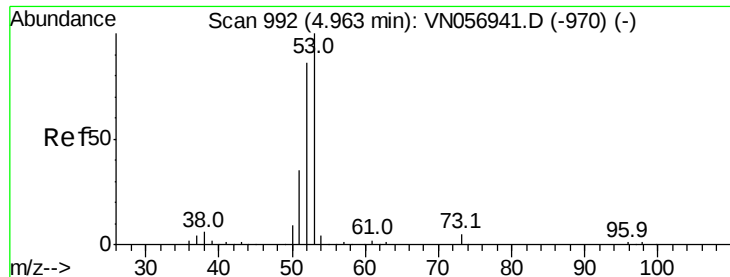
Ion Ratio Lower Upper

41 100

39 58.1 46.4 69.6

76 35.7 28.4 42.6





#15

Acrylonitrile

Concen: 783.418 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN056943.D

Acq: 26 Jul 2019 12:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 53 Resp: 1988347

Ion Ratio Lower Upper

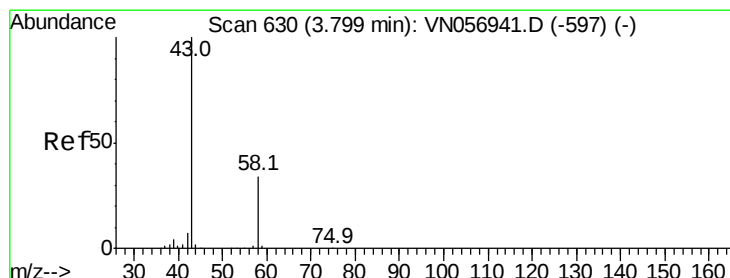
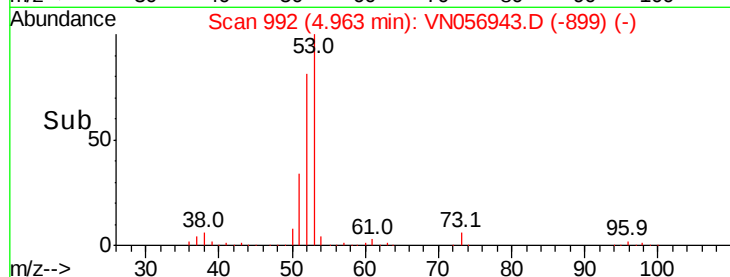
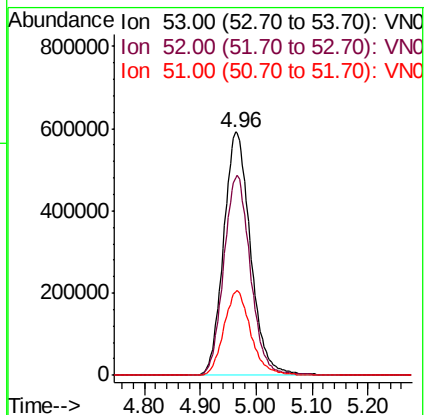
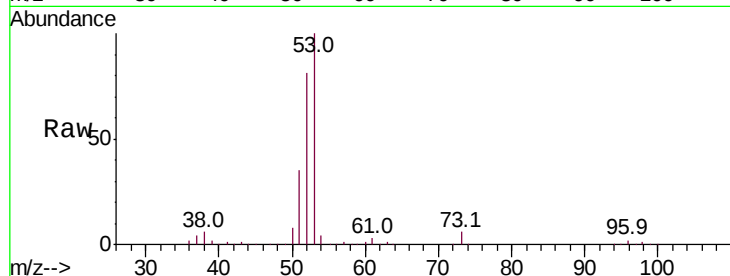
53 100

52 81.2 66.5 99.7

51 34.8 28.4 42.6

Manual Integrations
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#16

Acetone

Concen: 784.873 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.00 min

Lab File: VN056943.D

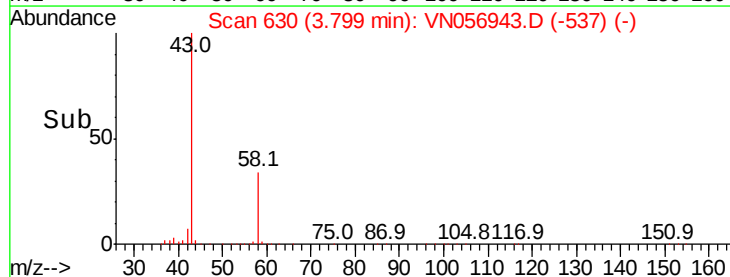
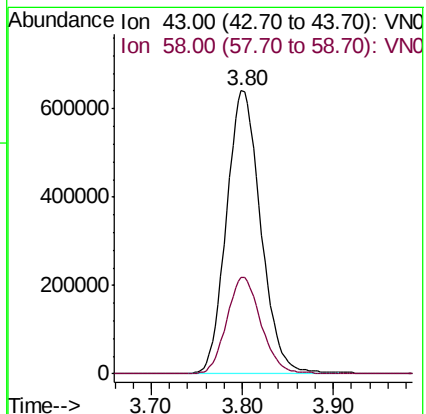
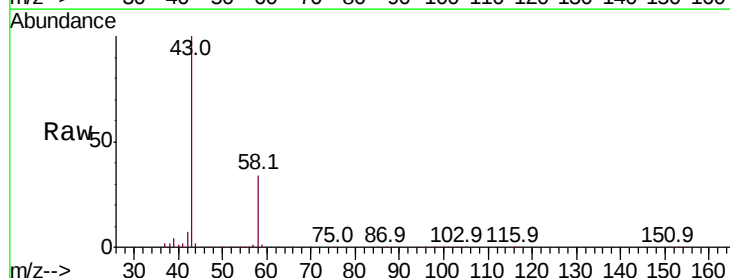
Acq: 26 Jul 2019 12:42

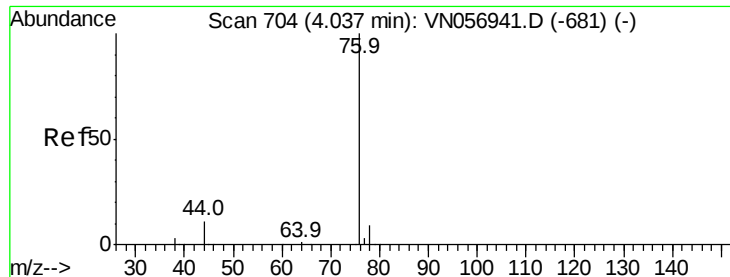
Tgt Ion: 43 Resp: 1660811

Ion Ratio Lower Upper

43 100

58 33.9 27.2 40.8





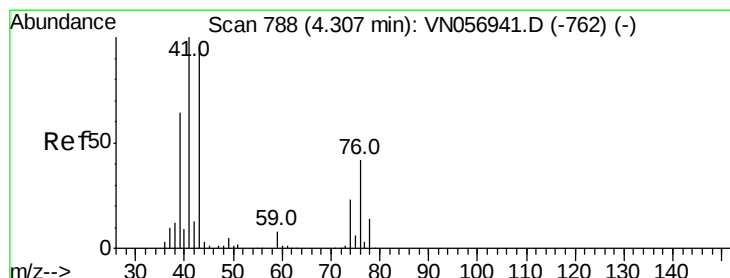
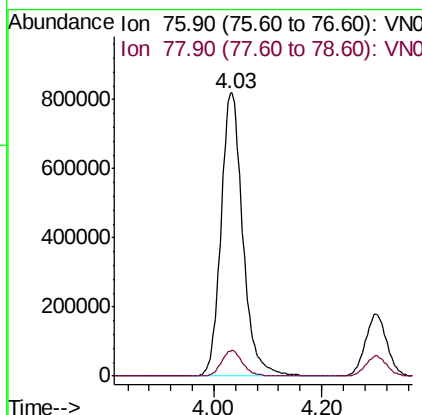
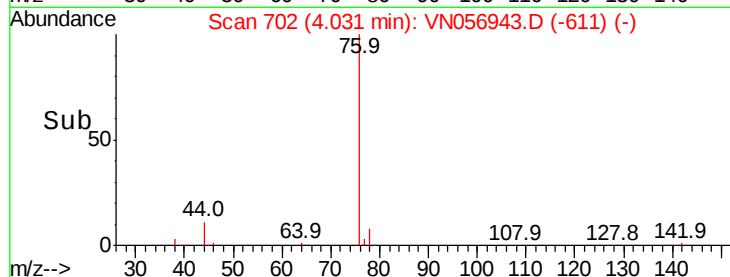
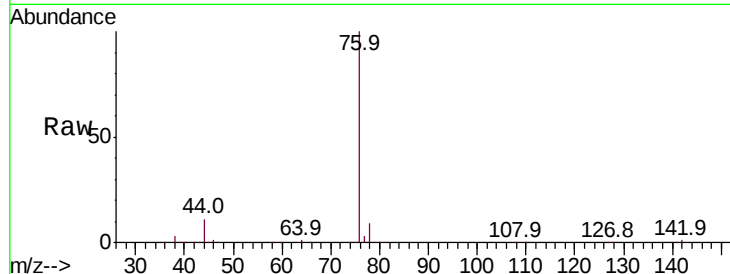
#17
Carbon Disulfide
Concen: 155.119 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.01 min
Lab File: VN056943.D
Acq: 26 Jul 2019 12:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 76 Resp: 2290551
Ion Ratio Lower Upper
76 100
78 9.0 7.2 10.8

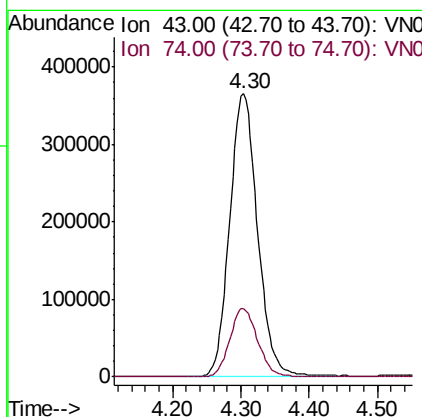
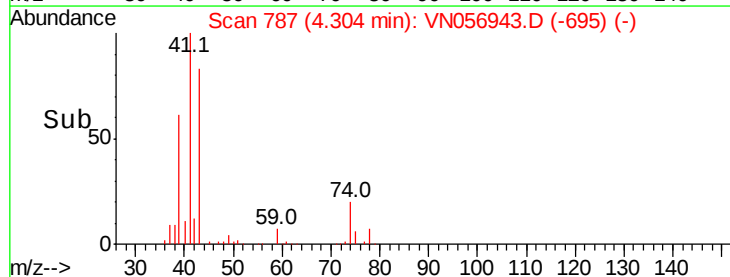
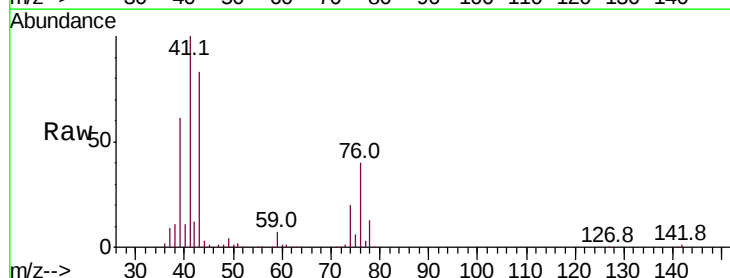
Manual Integrations
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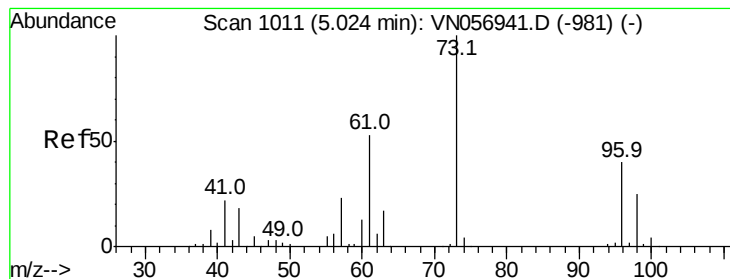
MMDadoda
8/2/2019 9:13:27 AM



#18
Methyl Acetate
Concen: 140.614 ug/l
RT: 4.30 min Scan# 787
Delta R.T. -0.00 min
Lab File: VN056943.D
Acq: 26 Jul 2019 12:42

Tgt Ion: 43 Resp: 1034020
Ion Ratio Lower Upper
43 100
74 24.3 19.7 29.5





#19

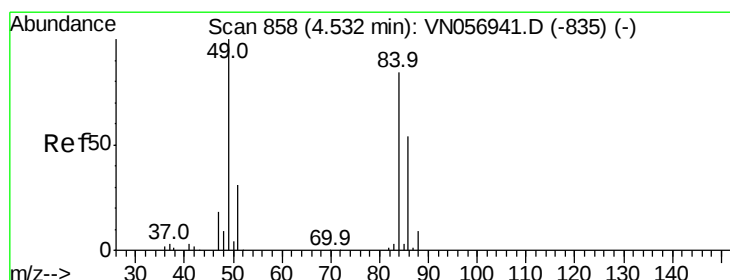
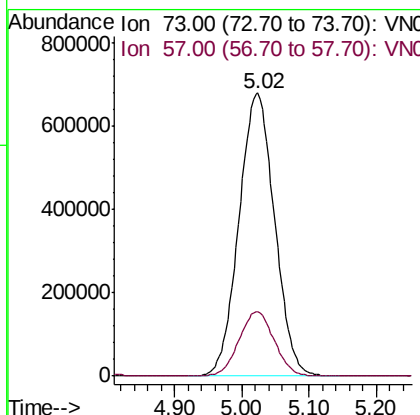
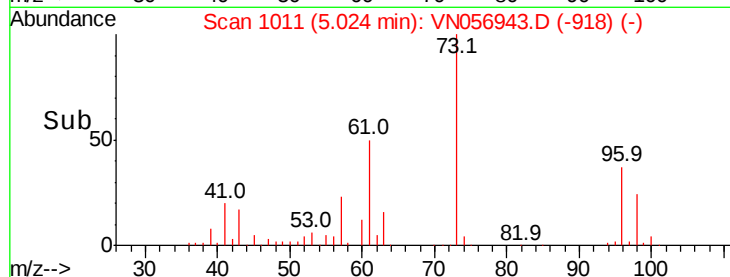
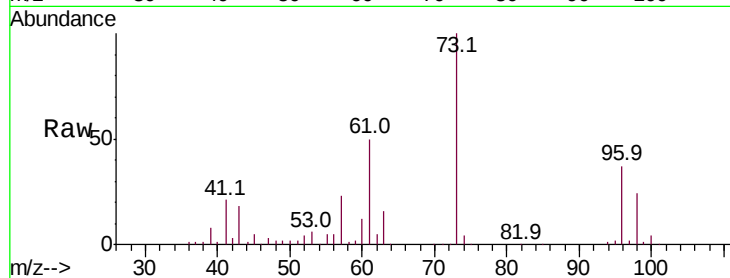
Methyl tert-butyl Ether
 Concen: 153.463 ug/l
 RT: 5.02 min Scan# 1011
 Delta R.T. 0.00 min
 Lab File: VN056943.D
 Acq: 26 Jul 2019 12:42

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion: 73 Resp: 2495585
 Ion Ratio Lower Upper
 73 100
 57 22.8 18.3 27.5

Manual Integrations
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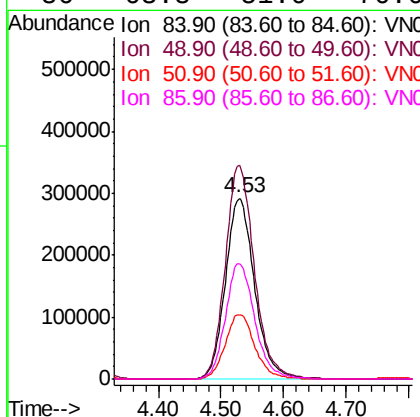
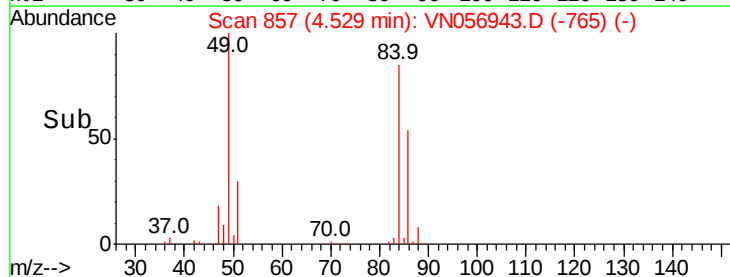
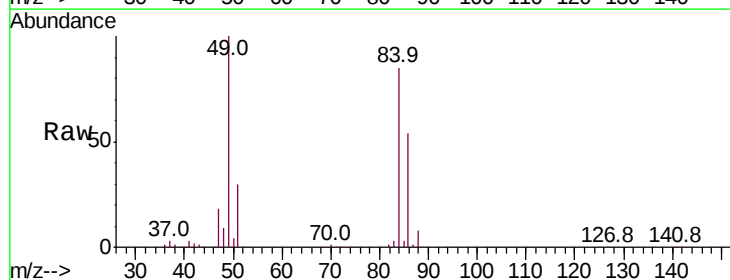
MMDadoda
 8/2/2019 9:13:27 AM

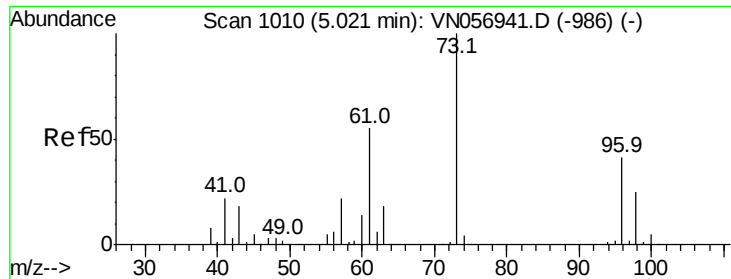


#20

Methylene Chloride
 Concen: 143.444 ug/l
 RT: 4.53 min Scan# 857
 Delta R.T. -0.00 min
 Lab File: VN056943.D
 Acq: 26 Jul 2019 12:42

Tgt Ion: 84 Resp: 940986
 Ion Ratio Lower Upper
 84 100
 49 118.2 95.2 142.8
 51 35.6 29.7 44.5
 86 63.8 51.0 76.6





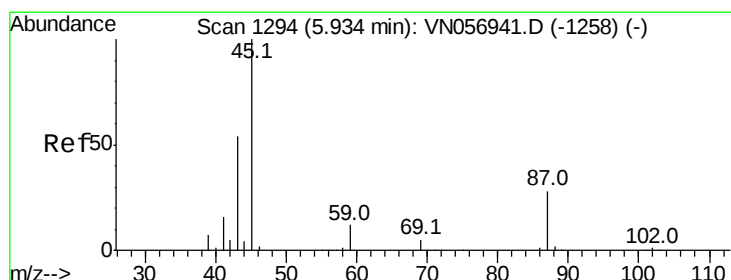
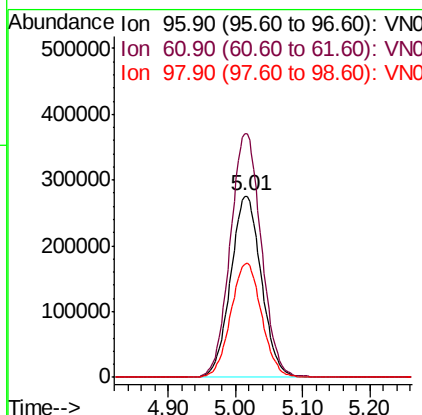
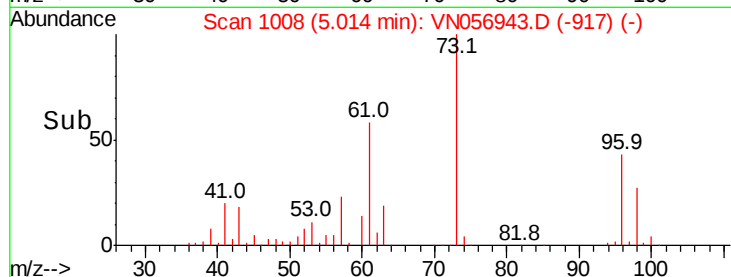
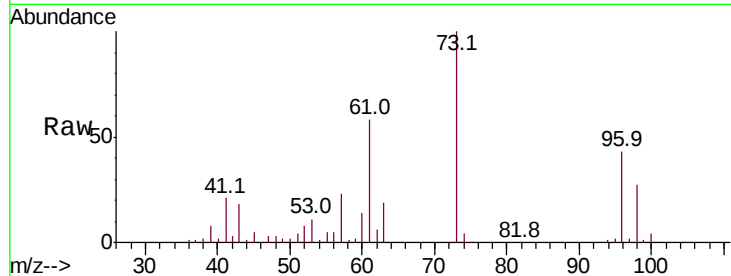
#21
trans-1,2-Dichloroethene
Concen: 148.792 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.01 min
Lab File: VN056943.D
Acq: 26 Jul 2019 12:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.5	107.5	161.3
98	62.7	49.9	74.9

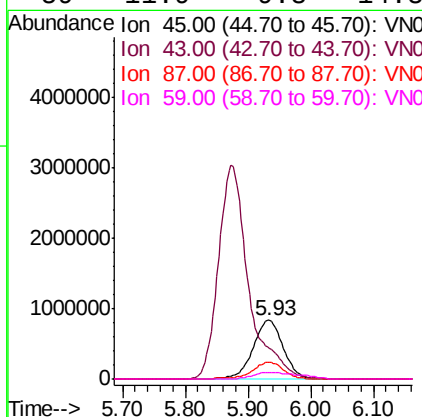
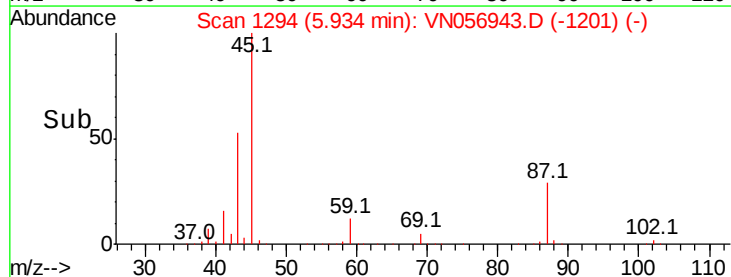
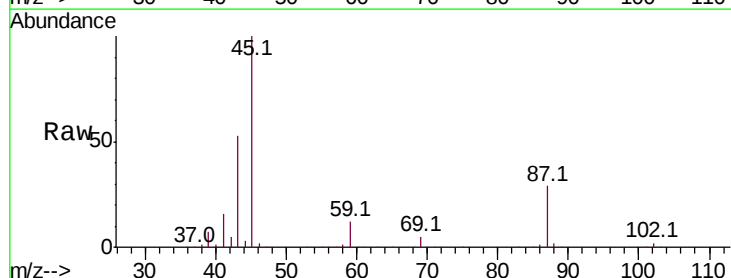
Manual Integrations
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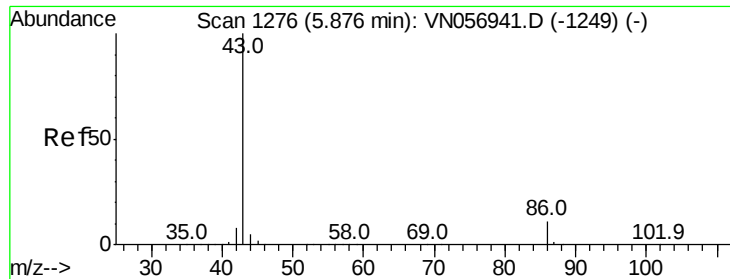
MMDadoda
8/2/2019 9:13:27 AM



#22
Diisopropyl ether
Concen: 152.376 ug/l
RT: 5.93 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VN056943.D
Acq: 26 Jul 2019 12:42

Tgt Ion	Ratio	Lower	Upper
45	100		
43	53.0	44.7	67.1
87	29.3	23.0	34.6
59	11.9	9.8	14.8





#23

Vinyl Acetate

Concen: 807.497 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VN056943.D

Acq: 26 Jul 2019 12:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp:10158692

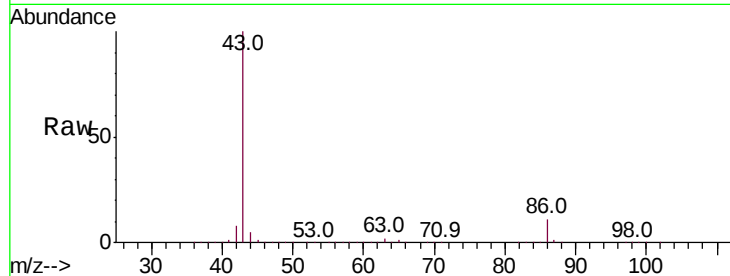
Ion Ratio Lower Upper

43 100

86 10.9 8.5 12.7

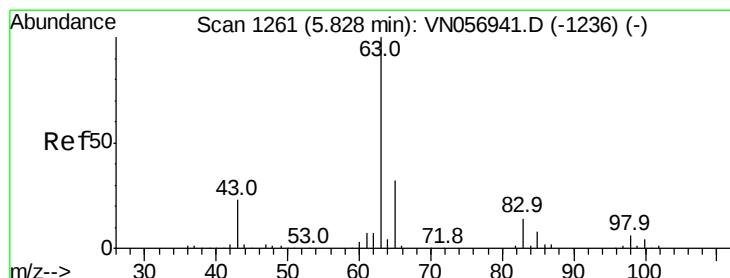
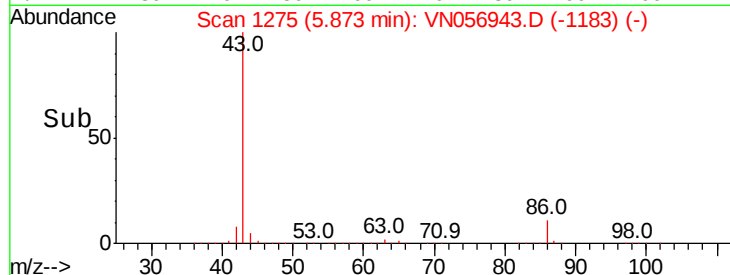
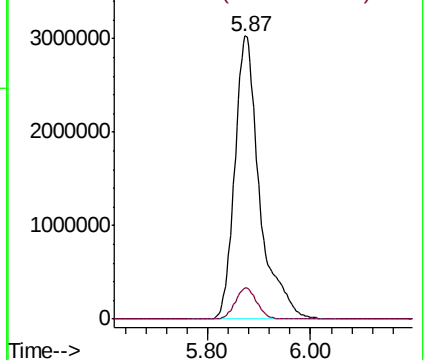
Manual Integrations
APPROVED

MMDadoda
8/2/2019 9:13:27 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 148.785 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VN056943.D

Acq: 26 Jul 2019 12:42

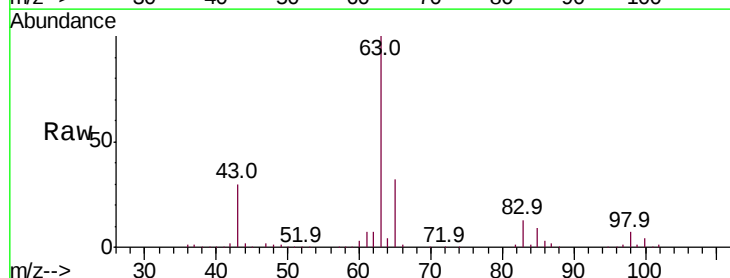
Tgt Ion: 63 Resp: 1590143

Ion Ratio Lower Upper

63 100

98 6.7 3.2 9.6

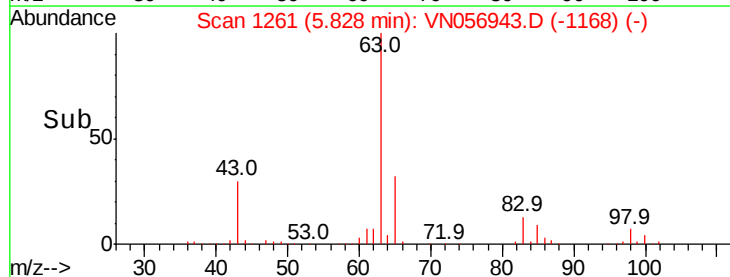
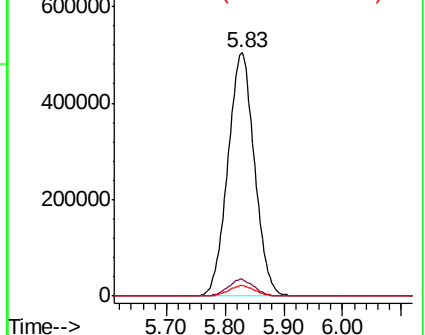
100 4.2 2.1 6.3

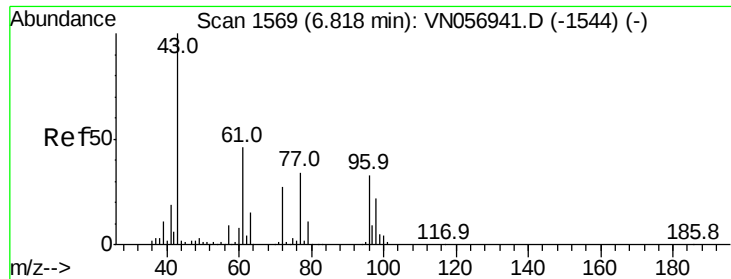


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 769.140 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN056943.D

Acq: 26 Jul 2019 12:42

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 43 Resp: 2497507

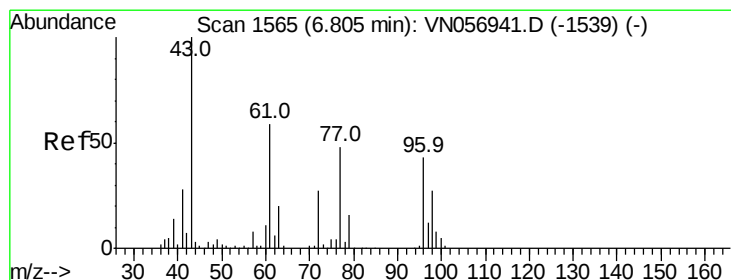
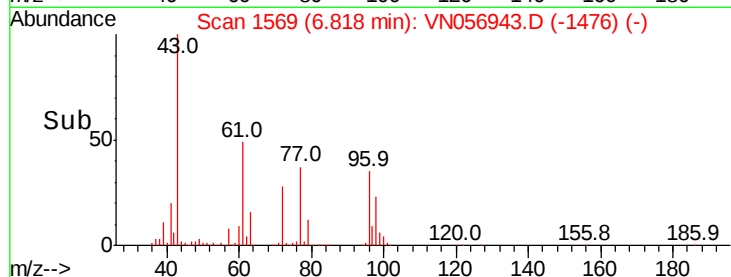
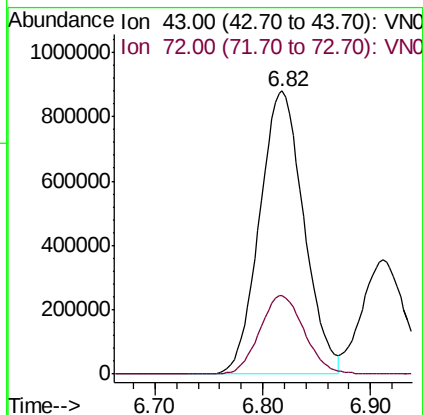
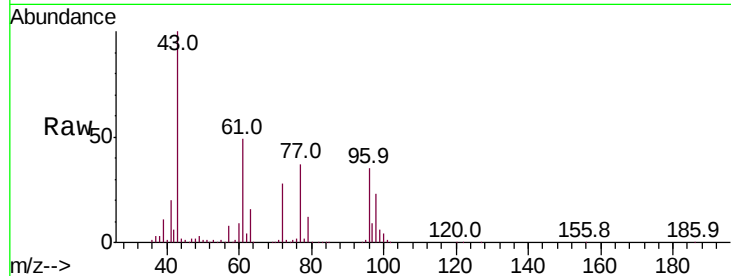
Ion Ratio Lower Upper

43 100

72 27.8 21.5 32.3

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#26

2,2-Dichloropropane

Concen: 159.438 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN056943.D

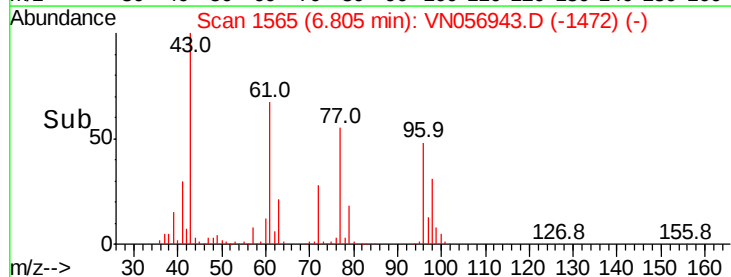
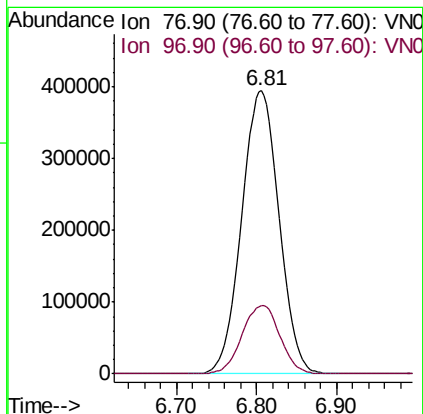
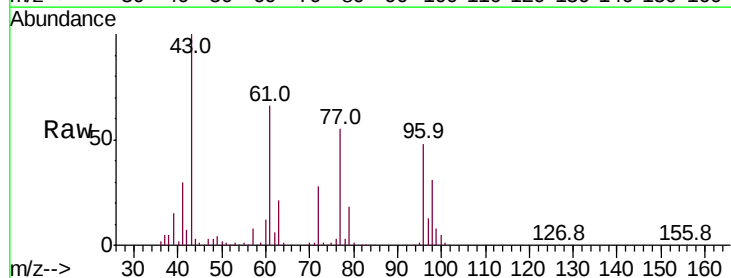
Acq: 26 Jul 2019 12:42

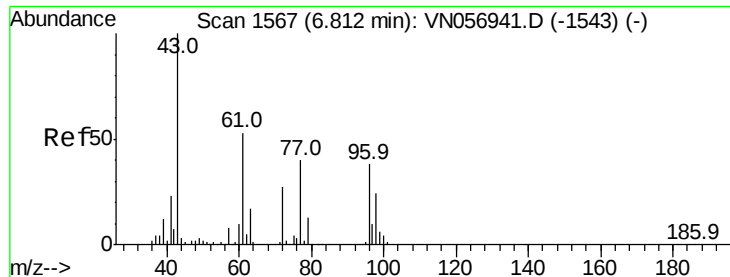
Tgt Ion: 77 Resp: 1253096

Ion Ratio Lower Upper

77 100

97 24.6 12.2 36.6





#27

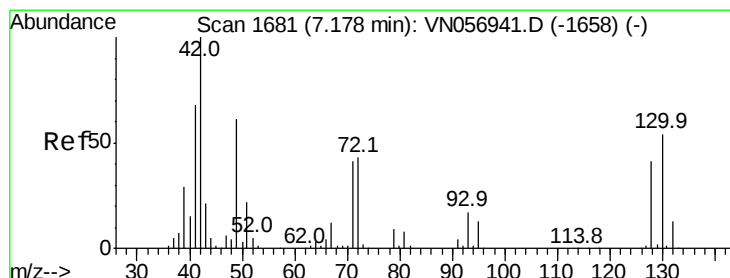
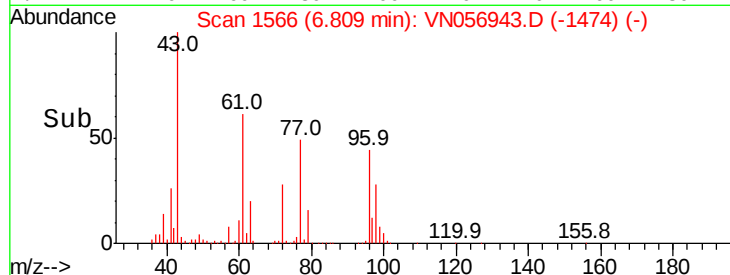
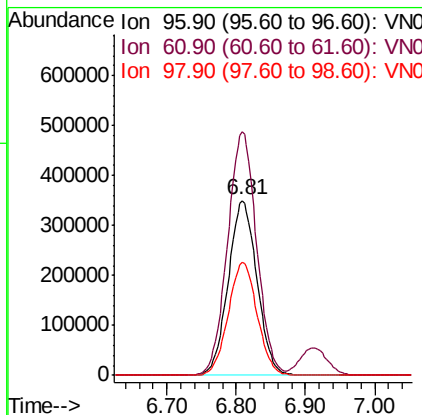
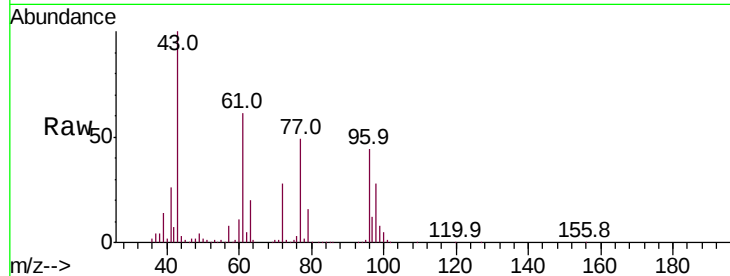
cis-1,2-Dichloroethene
Concen: 150.599 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VN056943.D
Acq: 26 Jul 2019 12:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.0	0.0	277.2
98	65.1	0.0	128.4

Manual Integrations
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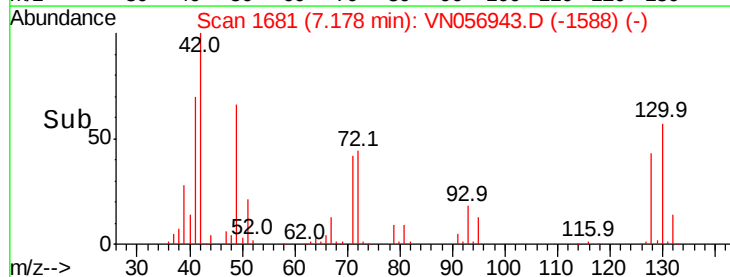
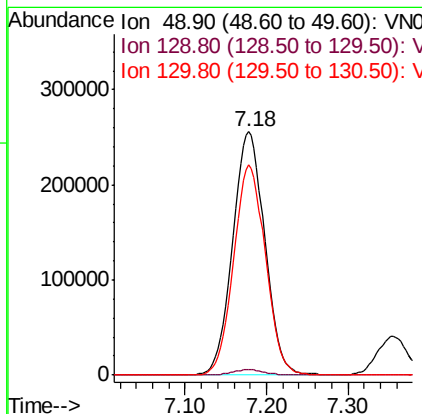
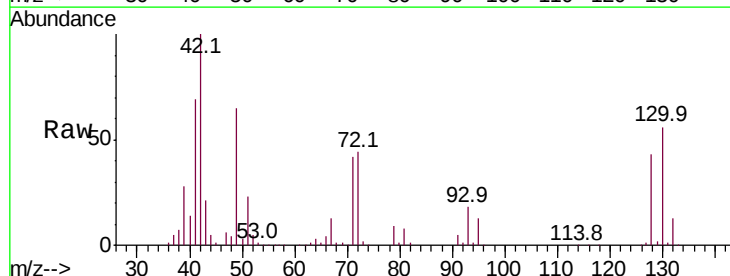
MMDadoda
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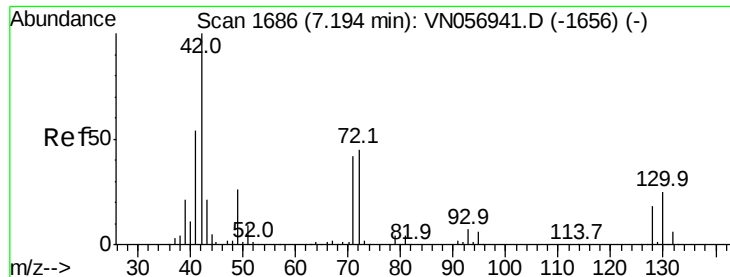


#28

Bromochloromethane
Concen: 142.687 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN056943.D
Acq: 26 Jul 2019 12:42

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.6
130	85.7	69.0	103.4





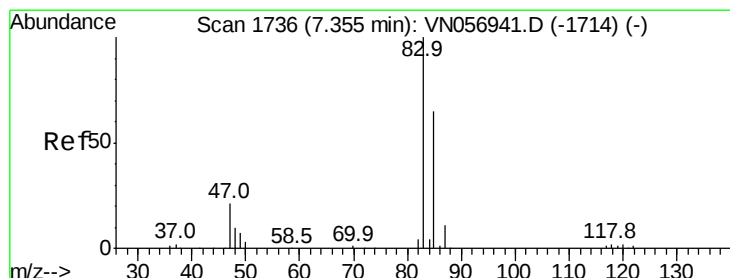
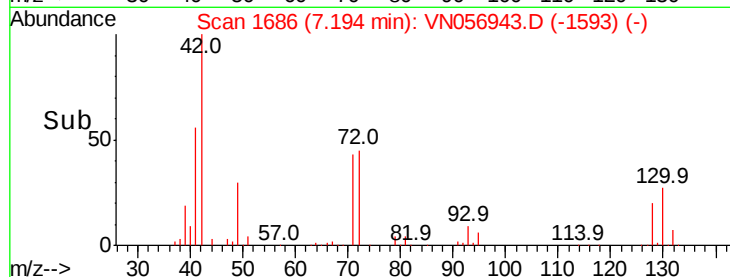
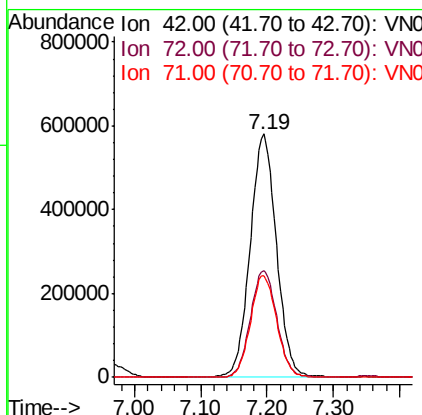
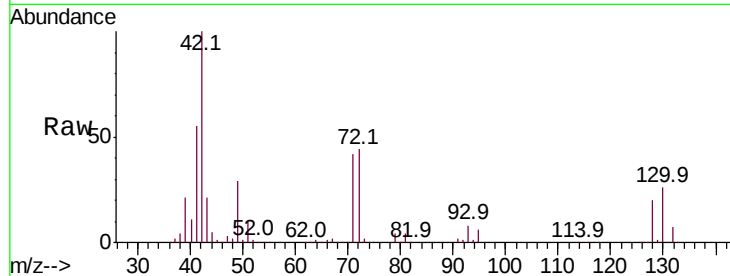
#29
Tetrahydrofuran
Concen: 753.072 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN056943.D
Acq: 26 Jul 2019 12:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.1	35.6	53.4
71	41.9	33.5	50.3

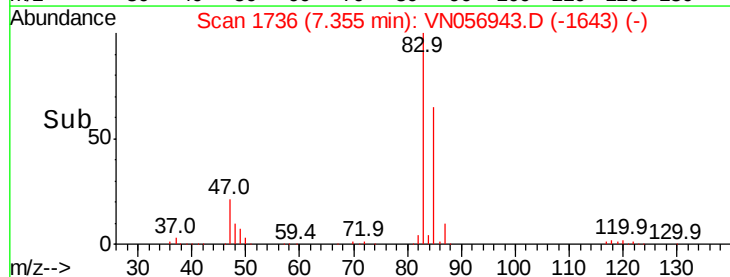
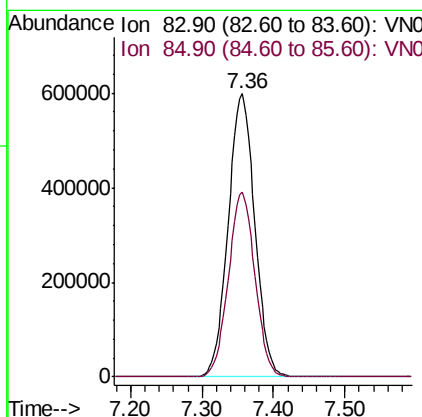
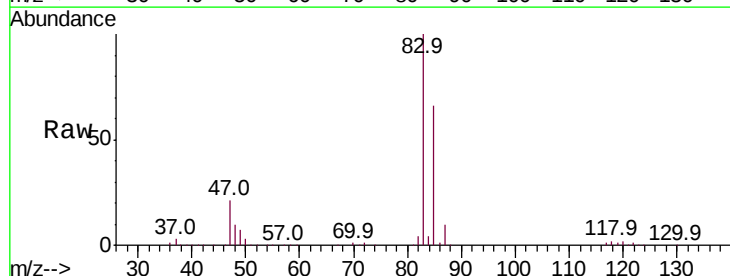
Manual Integrations
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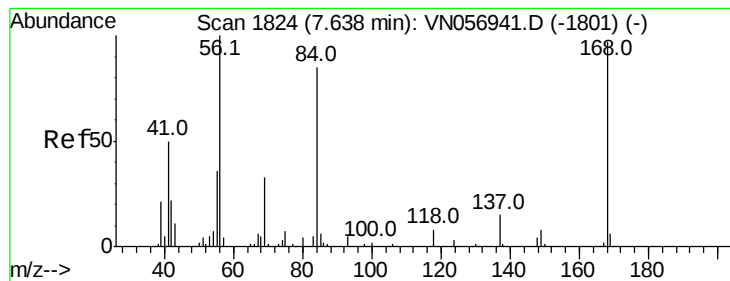
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#30
Chloroform
Concen: 141.226 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN056943.D
Acq: 26 Jul 2019 12:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.2	78.2





#31

Cyclohexane

Concen: 143.073 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. -0.00 min

Lab File: VN056943.D

Acq: 26 Jul 2019 12:42

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 56 Resp: 1487379

Ion Ratio Lower Upper

56 100

69 31.3 26.2 39.2

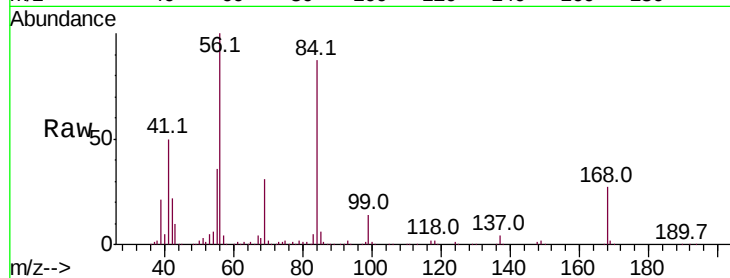
84 85.5 68.2 102.2

Manual Integrations

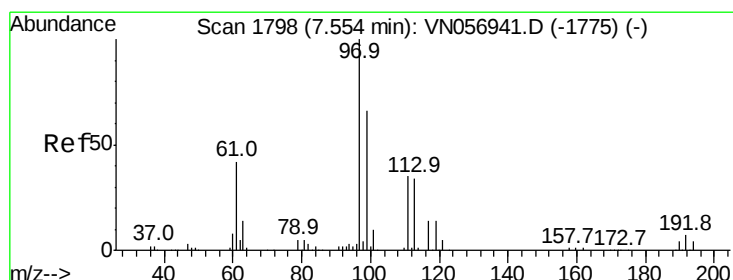
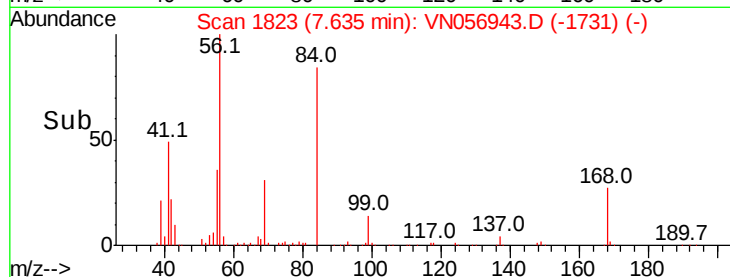
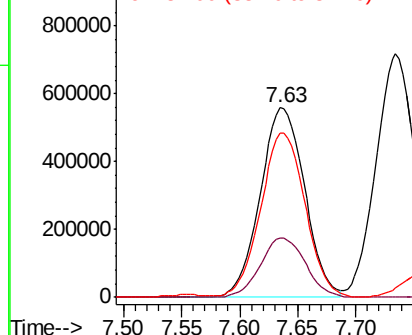
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Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC



#32

1,1,1-Trichloroethane

Concen: 153.627 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VN056943.D

Acq: 26 Jul 2019 12:42

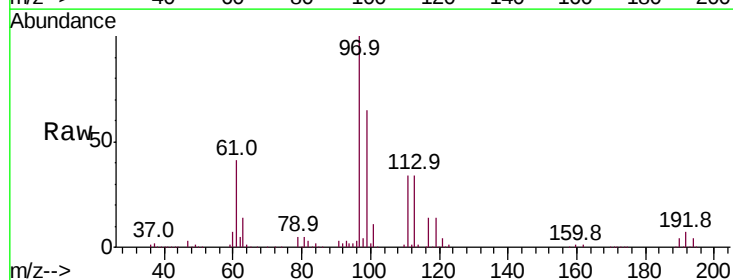
Tgt Ion: 97 Resp: 1351173

Ion Ratio Lower Upper

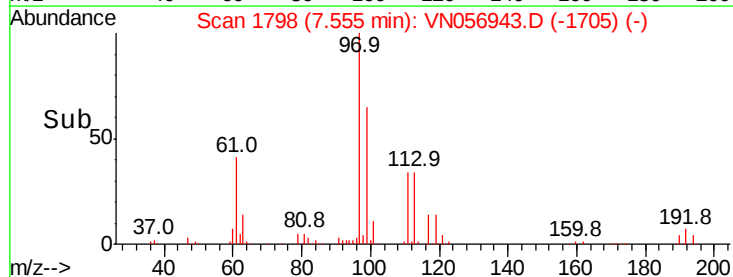
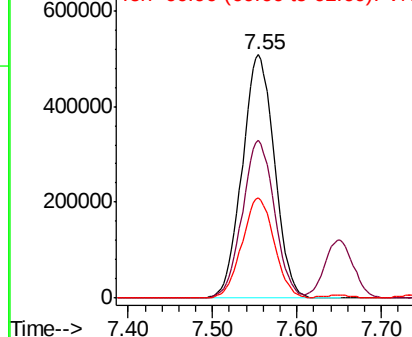
97 100

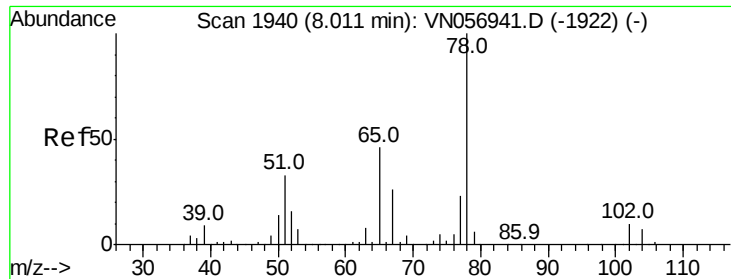
99 64.5 52.3 78.5

61 41.2 33.9 50.9



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





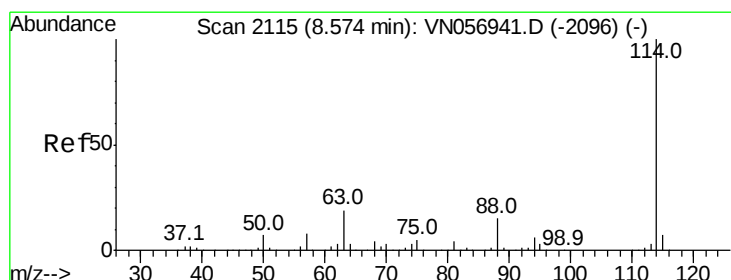
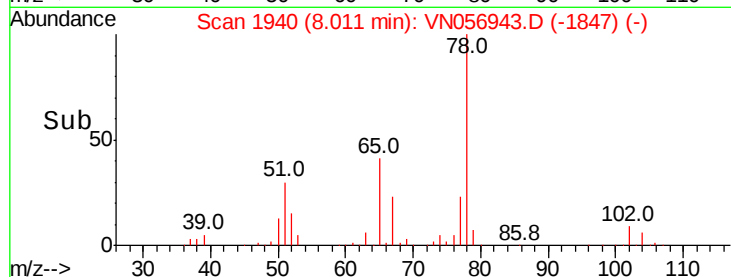
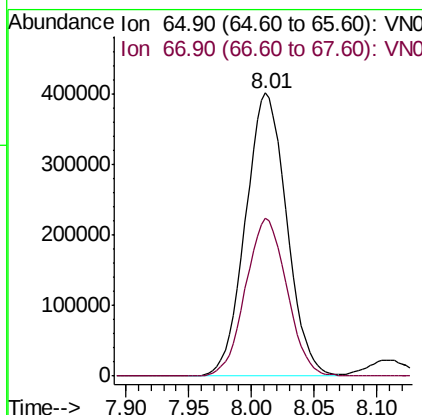
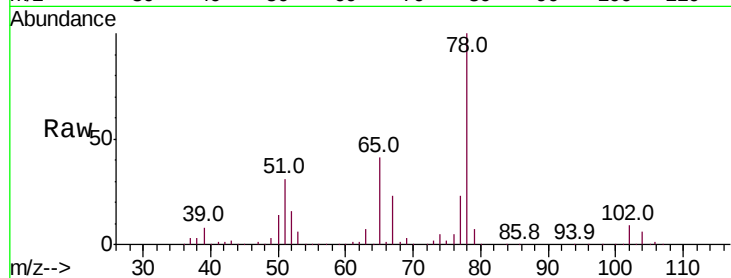
#33
 1,2-Dichloroethane-d4
 Concen: 149.524 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN056943.D
 Acq: 26 Jul 2019 12:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.7	0.0	112.0	

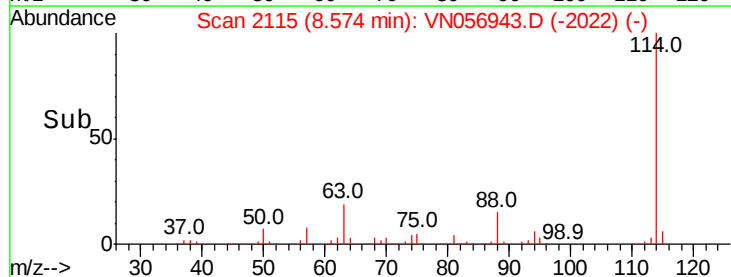
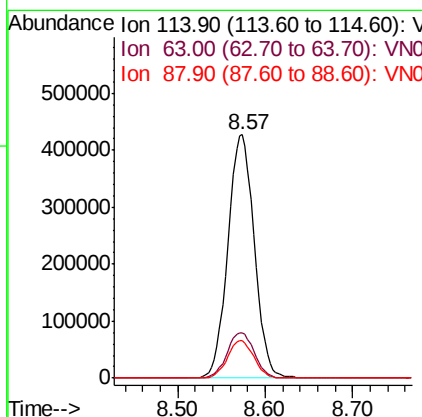
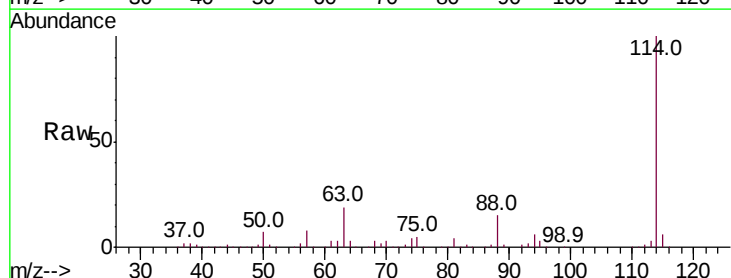
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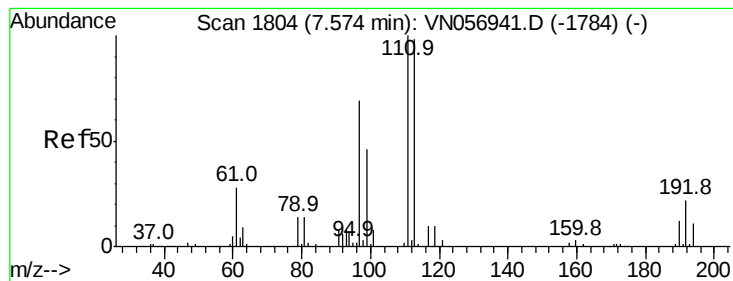
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN056943.D
 Acq: 26 Jul 2019 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.6	0.0	38.0	
88	15.2	0.0	30.0	





#35

Dibromofluoromethane

Concen: 152.531 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN056943.D

Acq: 26 Jul 2019 12:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:113 Resp: 865784

Ion Ratio Lower Upper

113 100

111 102.5 82.0 123.0

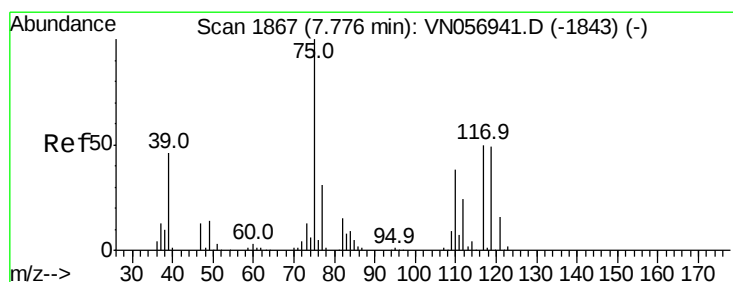
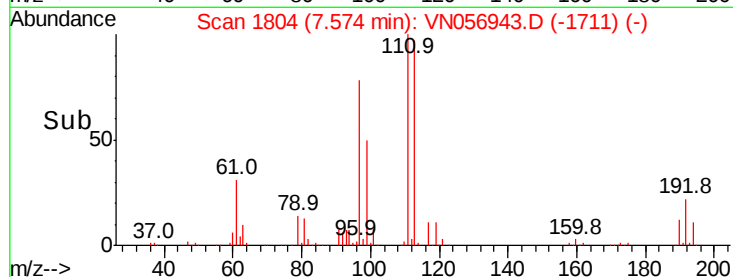
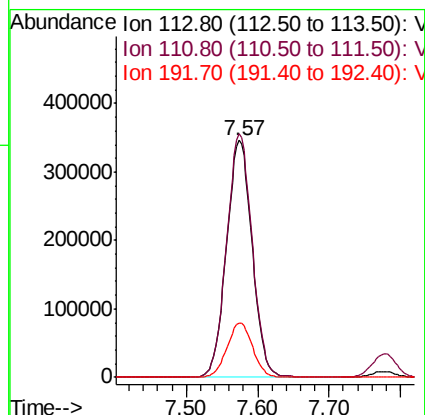
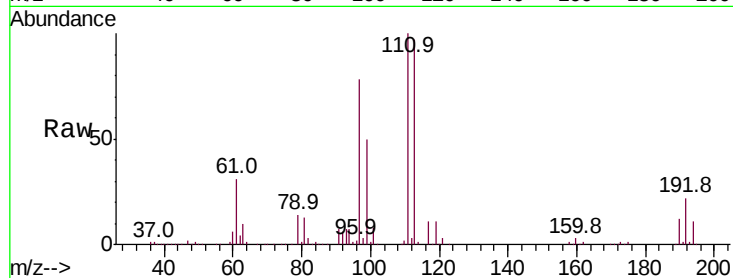
192 22.9 18.4 27.6

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#36

1,1-Dichloropropene

Concen: 151.912 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN056943.D

Acq: 26 Jul 2019 12:42

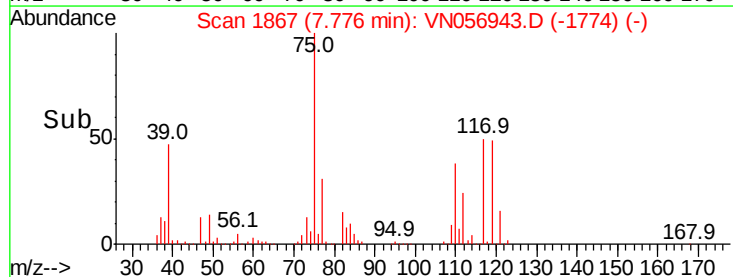
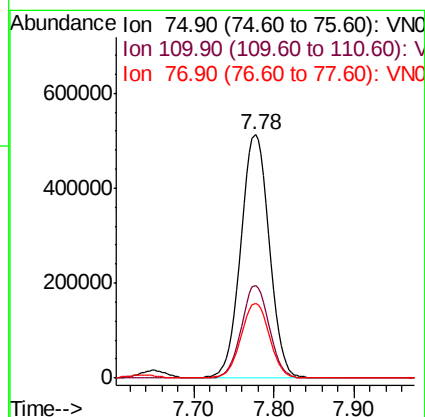
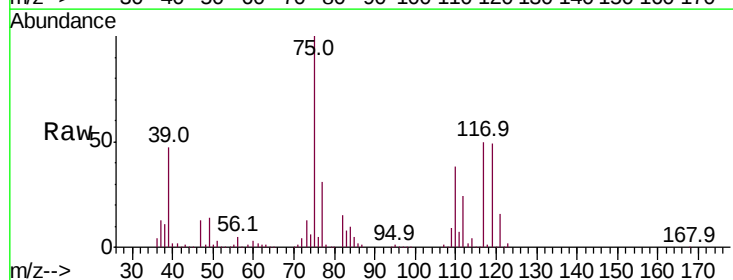
Tgt Ion: 75 Resp: 1227093

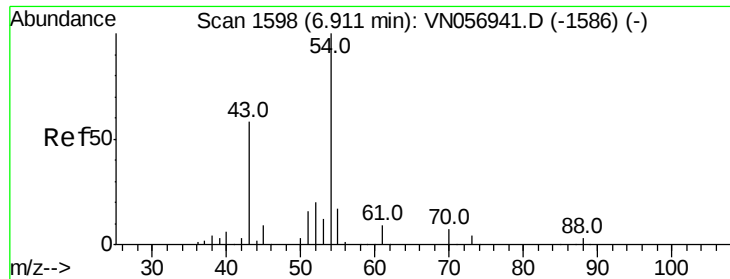
Ion Ratio Lower Upper

75 100

110 37.2 18.6 55.8

77 31.0 25.2 37.8





#37

Ethyl Acetate

Concen: 148.756 ug/l

RT: 6.91 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VN056943.D

Acq: 26 Jul 2019 12:42

Instrument :

MSVOA_N

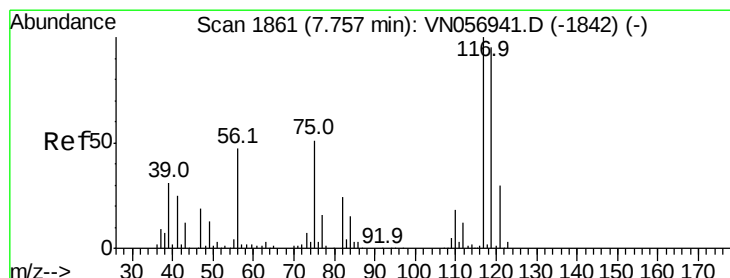
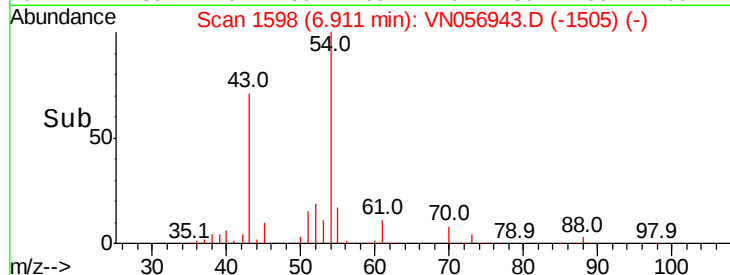
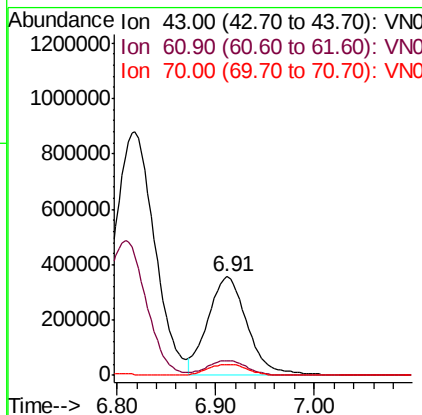
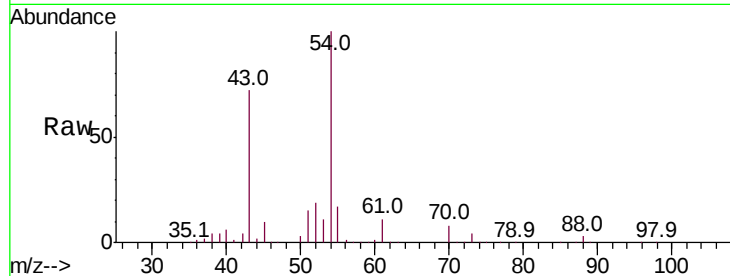
ClientSampleId :

VSTDIC150

Tot Ion:	43	Resp:	986523
Ion	Ratio	Lower	Upper
43	100		
61	15.4	11.8	17.6
70	11.2	8.5	12.7

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 154.850 ug/l

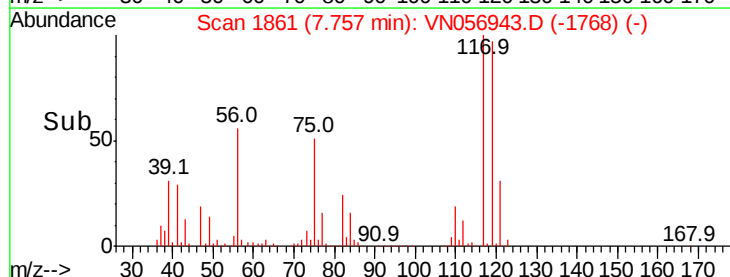
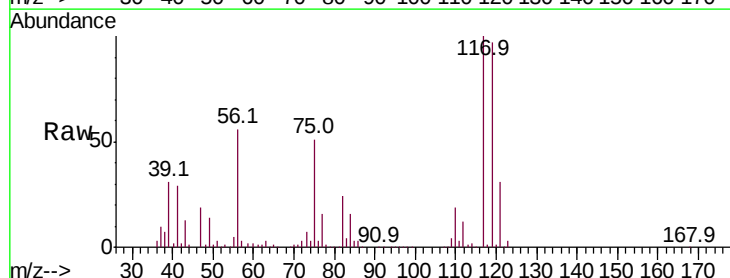
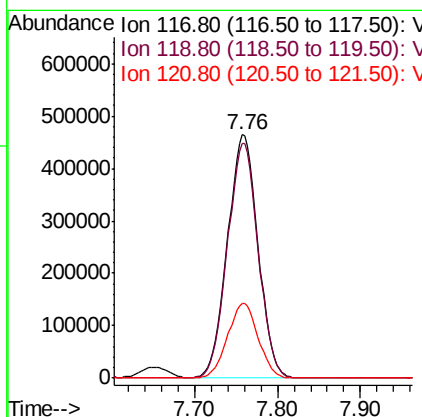
RT: 7.76 min Scan# 1861

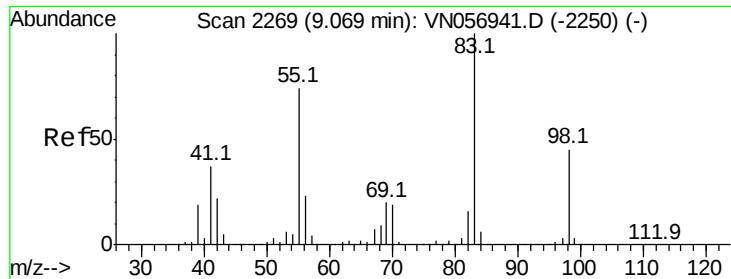
Delta R.T. 0.00 min

Lab File: VN056943.D

Acq: 26 Jul 2019 12:42

Tgt Ion:	117	Resp:	1190997
Ion	Ratio	Lower	Upper
117	100		
119	96.5	75.3	112.9
121	30.9	24.2	36.4





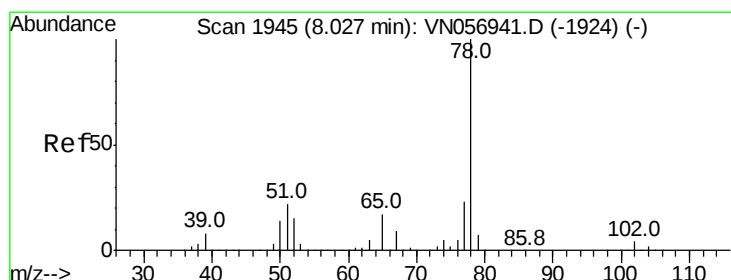
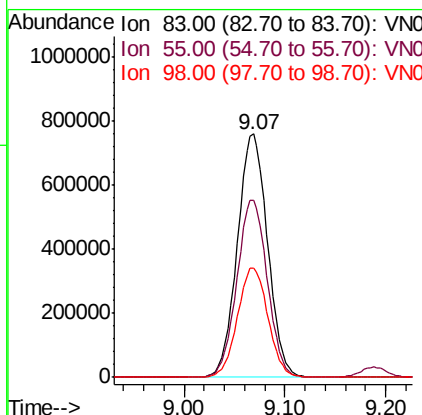
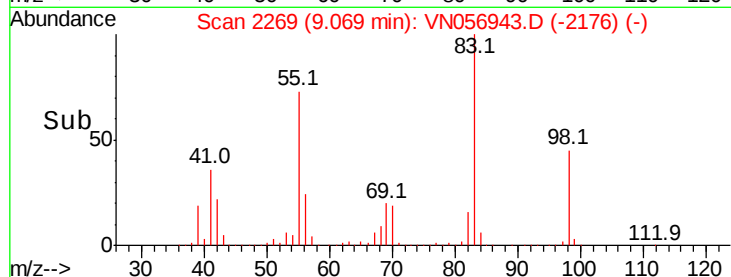
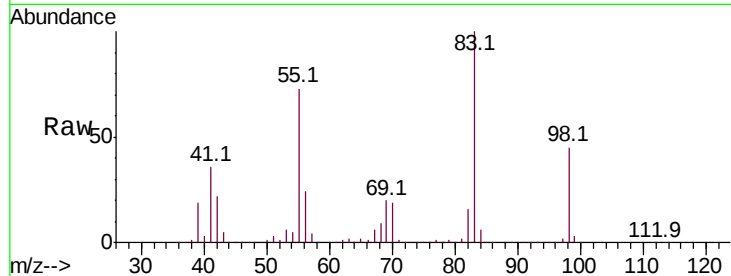
#39
Methvlcvclohexane
Concen: 159.237 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN056943.D
Acq: 26 Jul 2019 12:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 83 Resp: 1572548
Ion Ratio Lower Upper
83 100
55 73.0 59.0 88.6
98 45.1 36.2 54.4

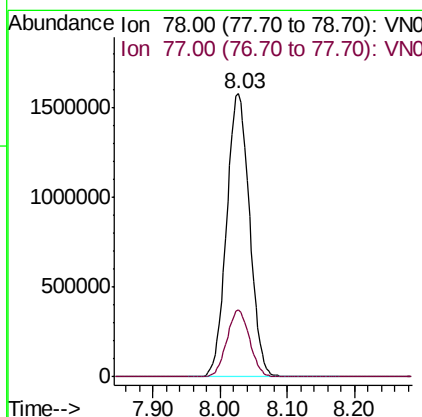
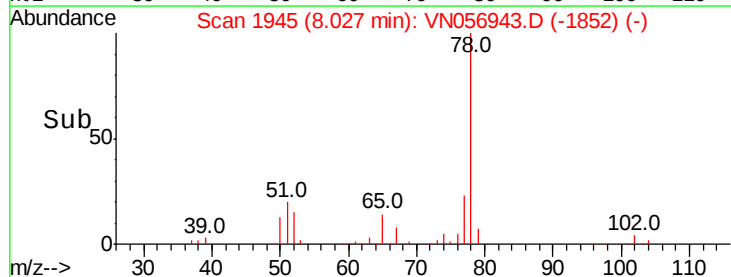
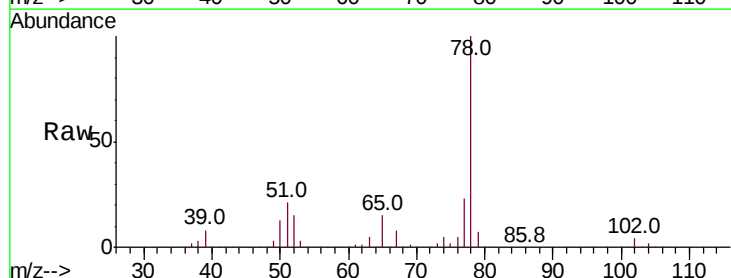
Manual Integrations
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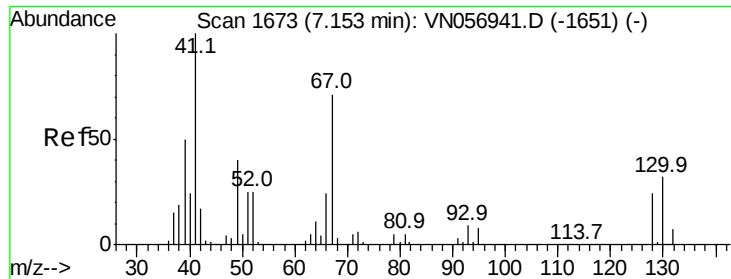
MMDadoda
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#40
Benzene
Concen: 149.032 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN056943.D
Acq: 26 Jul 2019 12:42

Tgt Ion: 78 Resp: 3739280
Ion Ratio Lower Upper
78 100
77 23.5 18.3 27.5





#41

Methacrylonitrile

Concen: 173.430 ug/l

RT: 7.16 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VN056943.D

Acq: 26 Jul 2019 12:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 41 Resp: 511628

Ion Ratio Lower Upper

41 100

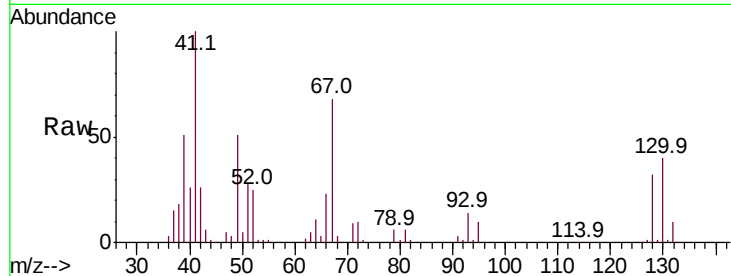
39 59.1 48.9 73.3

67 85.9 83.4 125.0

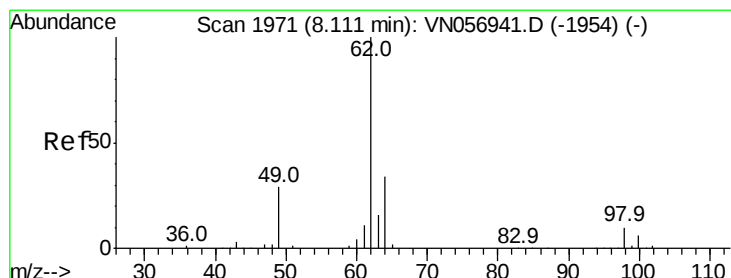
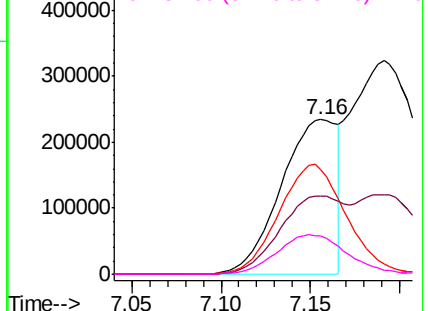
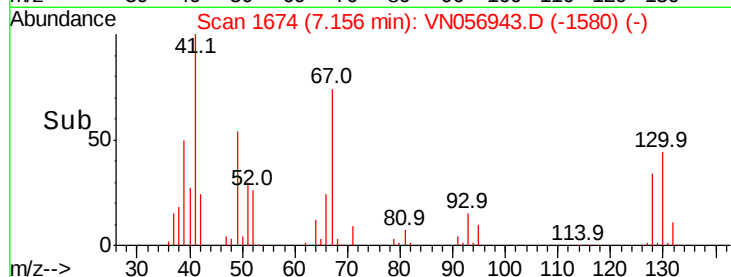
52 32.0 30.9 46.3

Manual Integrations
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Abundance Ion 41.00 (40.70 to 41.70): VNO
500000
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO



#42

1,2-Dichloroethane

Concen: 146.349 ug/l

RT: 8.11 min Scan# 1970

Delta R.T. -0.00 min

Lab File: VN056943.D

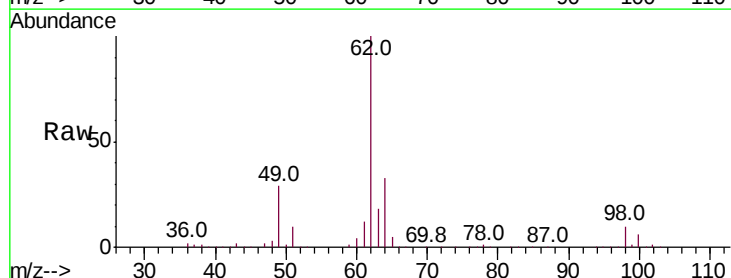
Acq: 26 Jul 2019 12:42

Tgt Ion: 62 Resp: 1132433

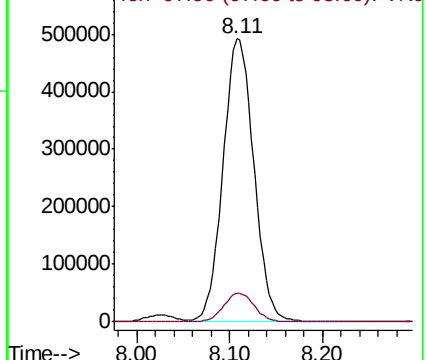
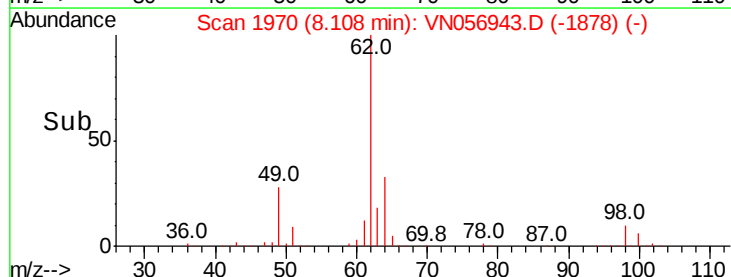
Ion Ratio Lower Upper

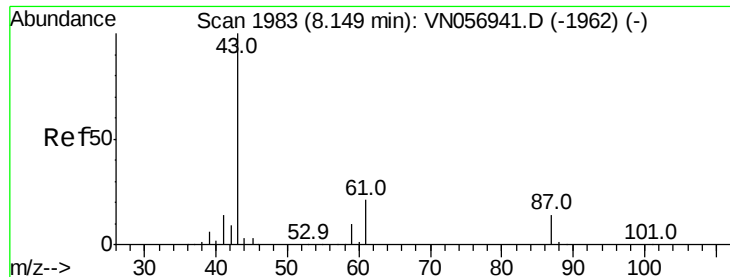
62 100

98 10.2 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VNO
500000
Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 154.120 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VN056943.D

Acq: 26 Jul 2019 12:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1671994

Ion Ratio Lower Upper

43 100

61 29.5 23.0 34.6

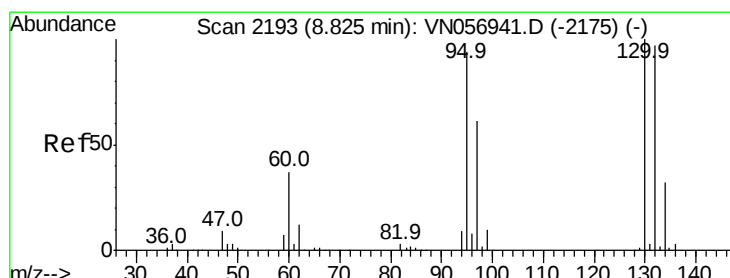
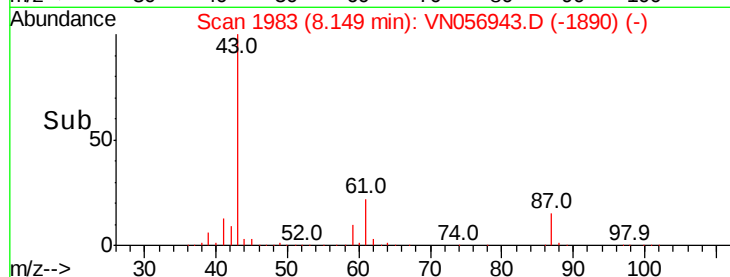
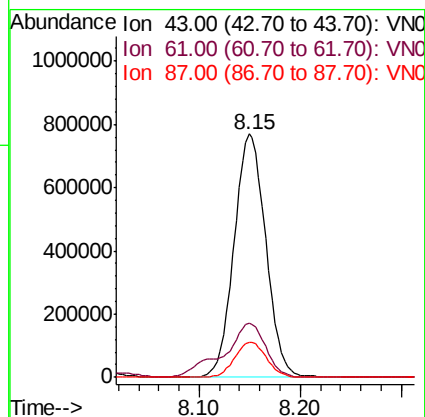
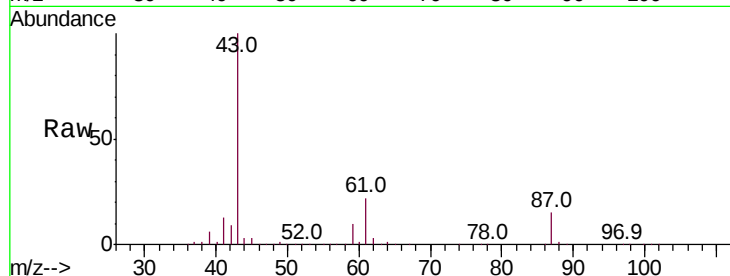
87 14.6 11.7 17.5

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#44

Trichloroethene

Concen: 150.045 ug/l

RT: 8.82 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VN056943.D

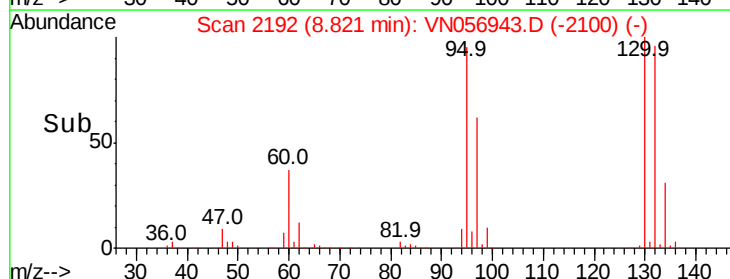
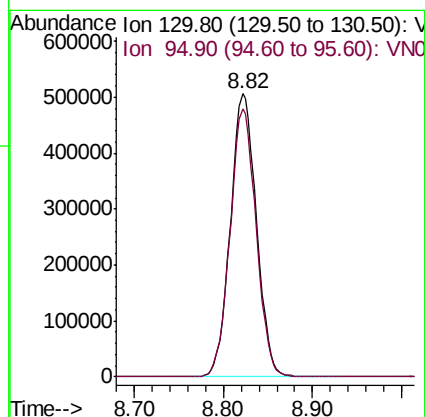
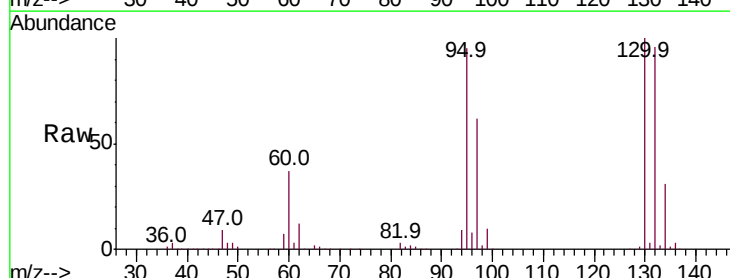
Acq: 26 Jul 2019 12:42

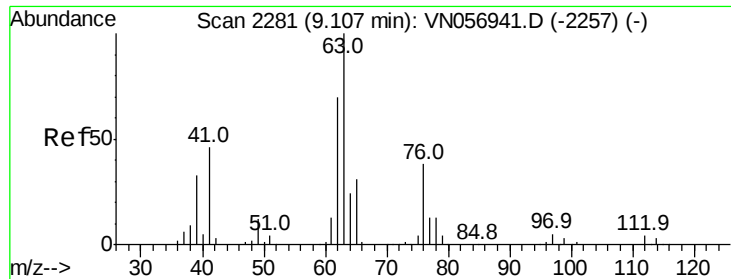
Tgt Ion:130 Resp: 1023274

Ion Ratio Lower Upper

130 100

95 94.8 0.0 189.0





#45

1,2-Dichloropropane

Concen: 149.205 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. 0.00 min

Lab File: VN056943.D

Acq: 26 Jul 2019 12:42

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 63 Resp: 1003730

Ion Ratio Lower Upper

63 100

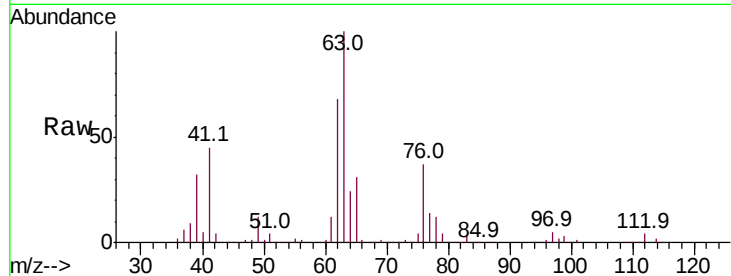
65 31.5 24.8 37.2

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Abundance Ion 62.90 (62.60 to 63.60): VN056943.D (-2188) (-)

Ion 64.90 (64.60 to 65.60): VN056943.D (-2188) (-)

9.11

500000

400000

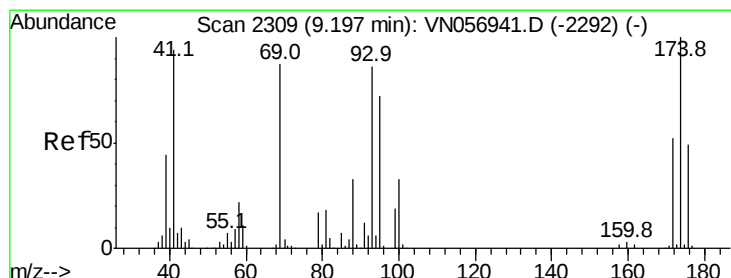
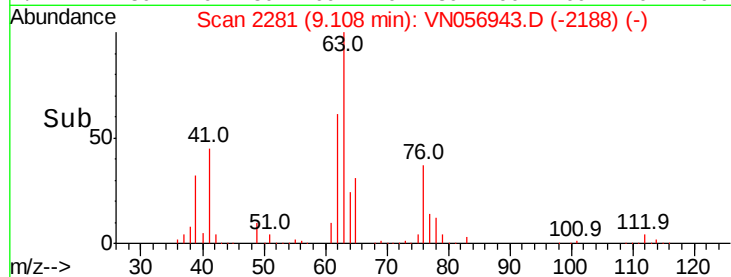
300000

200000

100000

0

Time-->



#46

Dibromomethane

Concen: 150.984 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN056943.D

Acq: 26 Jul 2019 12:42

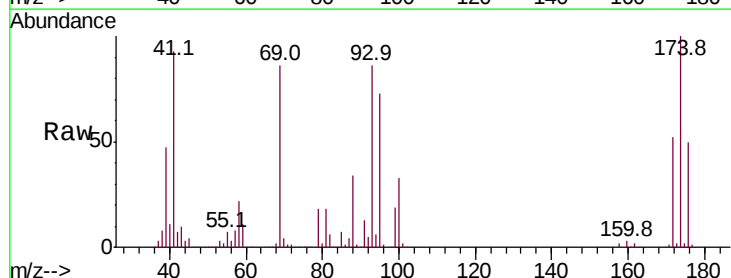
Tgt Ion: 93 Resp: 613426

Ion Ratio Lower Upper

93 100

95 84.4 67.0 100.6

174 116.9 92.7 139.1



Abundance Ion 92.80 (92.50 to 93.50): VN056943.D (-2216) (-)

Ion 94.80 (94.50 to 95.50): VN056943.D (-2216) (-)

Ion 173.70 (173.40 to 174.40): VN056943.D (-2216) (-)

9.20

400000

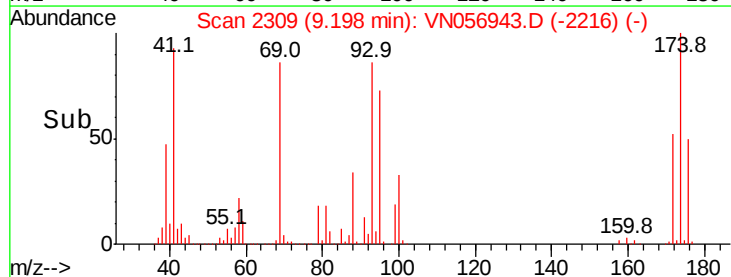
300000

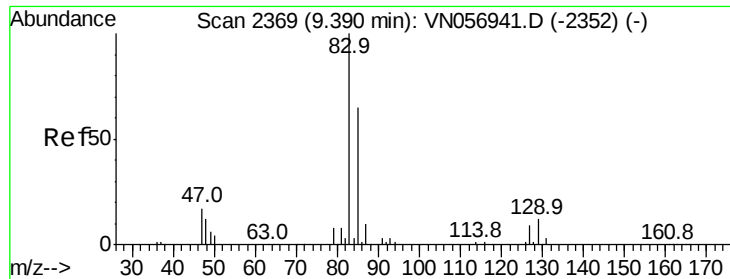
200000

100000

0

Time-->





#47

Bromodichloromethane

Concen: 157.782 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN056943.D

Acq: 26 Jul 2019 12:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 1252929

Ion Ratio Lower Upper

83 100

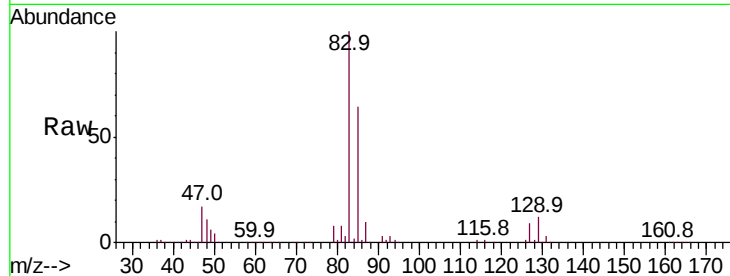
85 64.4 51.6 77.4

127 9.2 7.3 10.9

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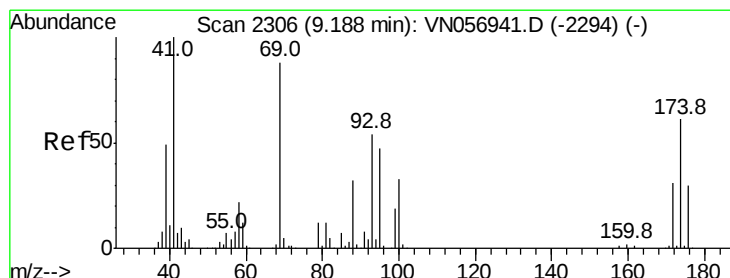
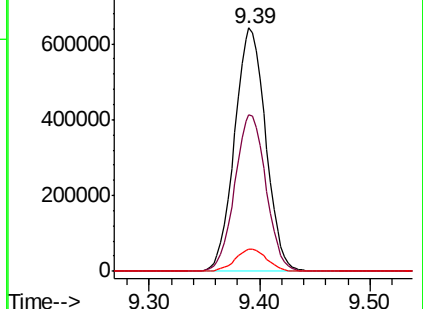
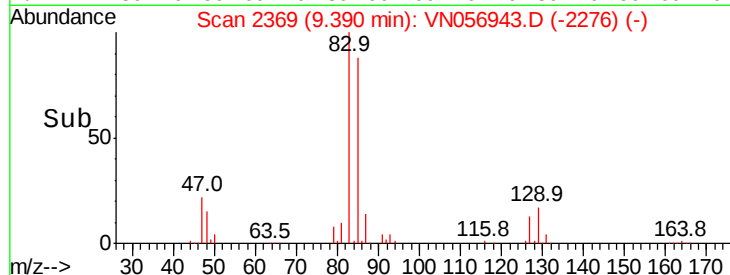
8/2/2019 9:13:27 AM



Abundance Ion 82.90 (82.60 to 83.60): VN056943.D (-2276) (-)

Ion 84.90 (84.60 to 85.60): VN056943.D (-2276) (-)

Ion 126.80 (126.50 to 127.50): VN056943.D (-2276) (-)



#48

Methyl methacrylate

Concen: 158.981 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VN056943.D

Acq: 26 Jul 2019 12:42

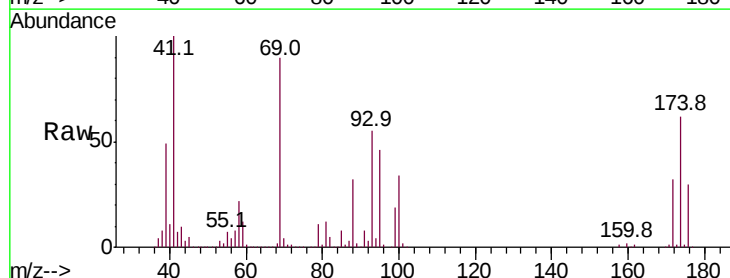
Tgt Ion: 41 Resp: 823636

Ion Ratio Lower Upper

41 100

69 92.6 73.4 110.0

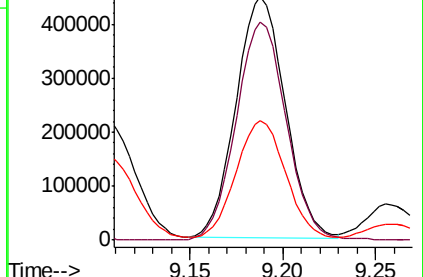
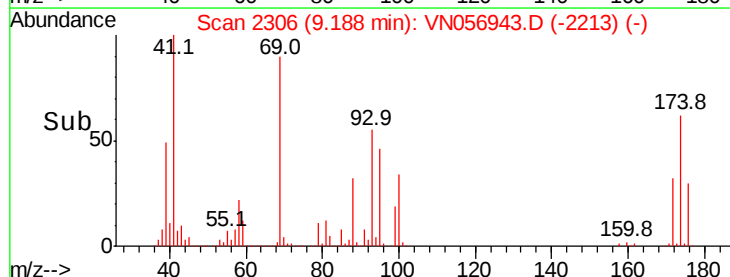
39 50.8 39.9 59.9

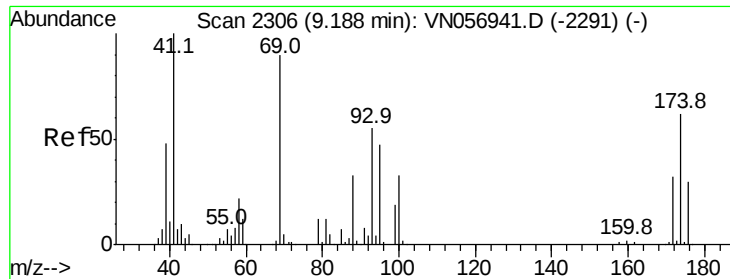


Abundance Ion 41.00 (40.70 to 41.70): VN056943.D (-2213) (-)

Ion 69.00 (68.70 to 69.70): VN056943.D (-2213) (-)

Ion 39.00 (38.70 to 39.70): VN056943.D (-2213) (-)





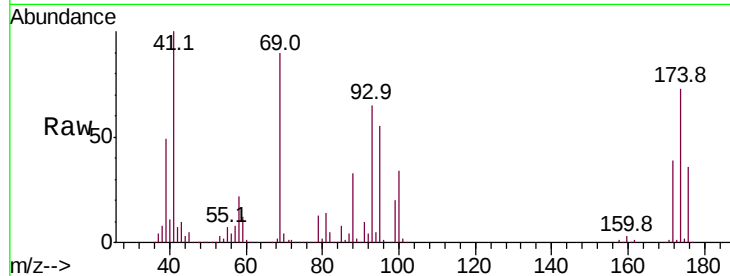
#49
1,4-Dioxane
Concen: 2999.616 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN056943.D
Acq: 26 Jul 2019 12:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.3	22.2	33.2
58	66.2	54.1	81.1

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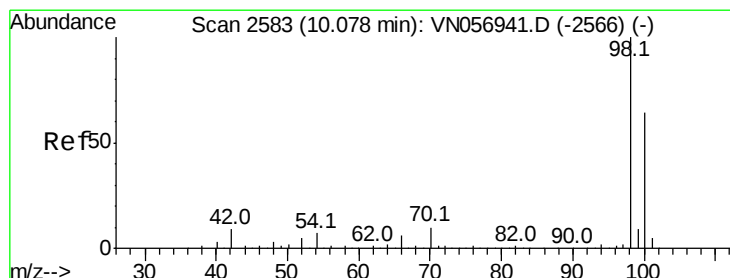
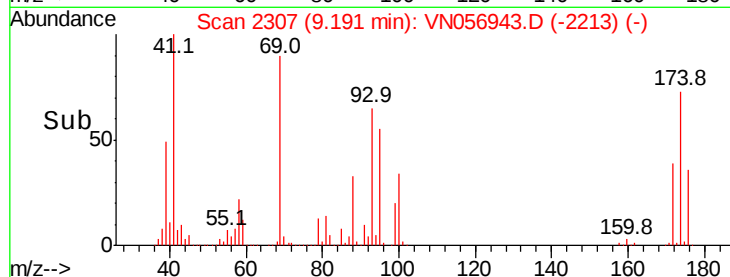
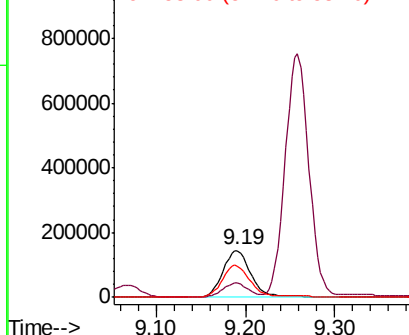


Abundance

Ion 88.00 (87.70 to 88.70): VN0

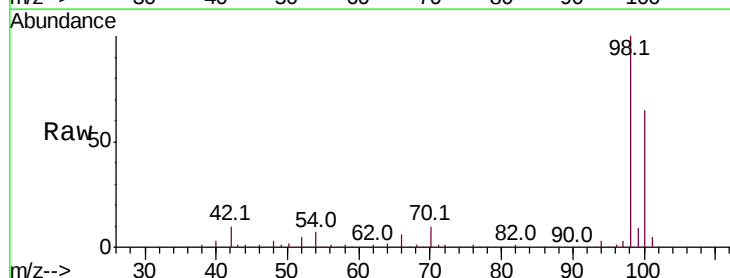
Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50
Toluene-d8
Concen: 155.526 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN056943.D
Acq: 26 Jul 2019 12:42

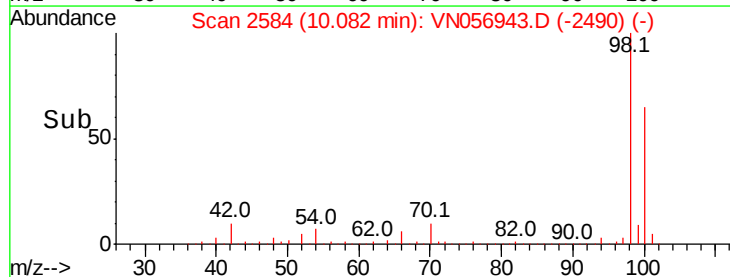
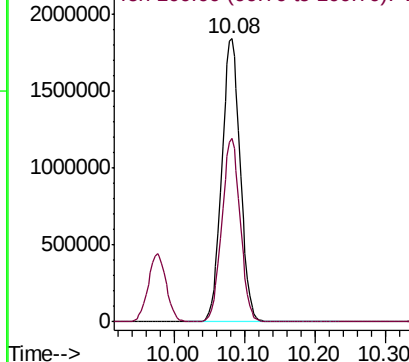
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.3	76.9

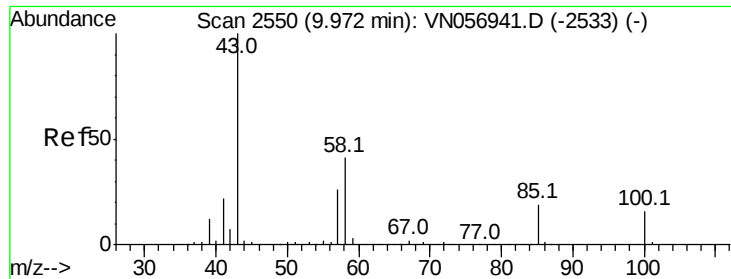


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 758.166 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN056943.D

Acq: 26 Jul 2019 12:42

Tot Ion: 43 Resp: 4890103

Ion Ratio Lower Upper

43 100

58 41.6 33.1 49.7

Instrument :

MSVOA_N

ClientSampled :

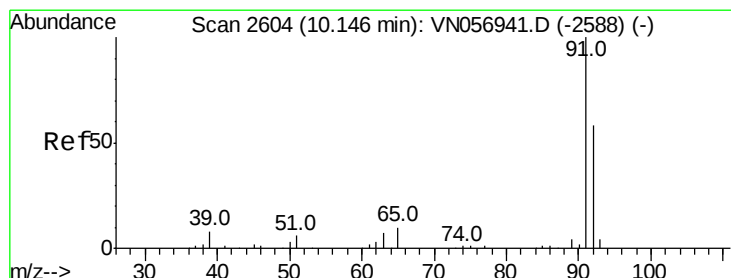
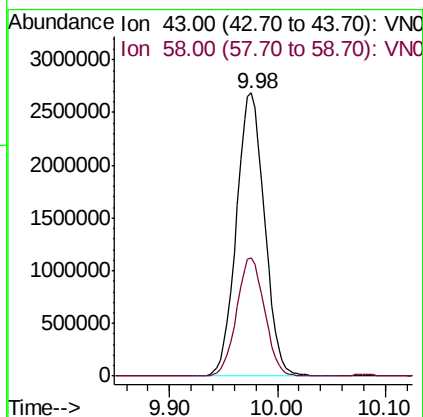
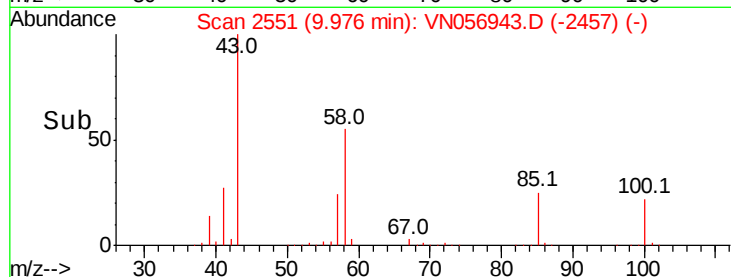
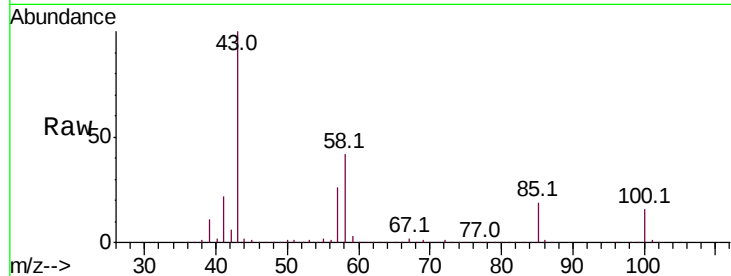
VSTDIC150

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#52

Toluene

Concen: 155.341 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN056943.D

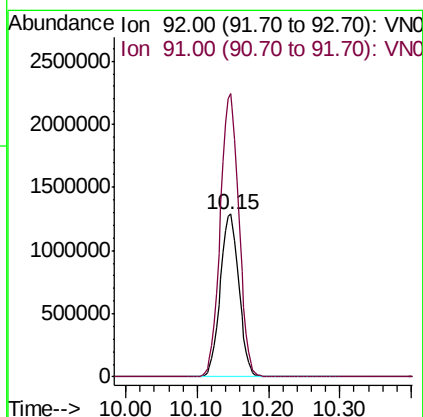
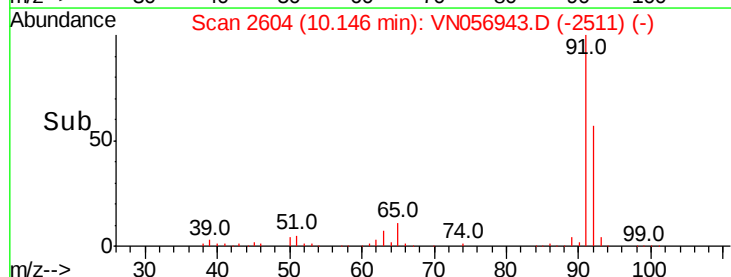
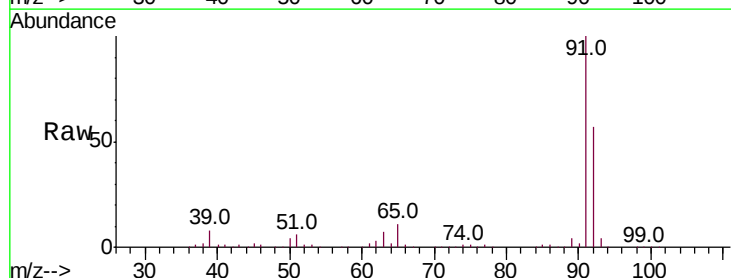
Acq: 26 Jul 2019 12:42

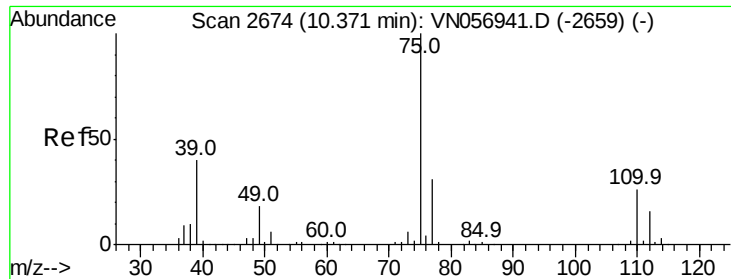
Tgt Ion: 92 Resp: 2331654

Ion Ratio Lower Upper

92 100

91 173.8 138.0 207.0





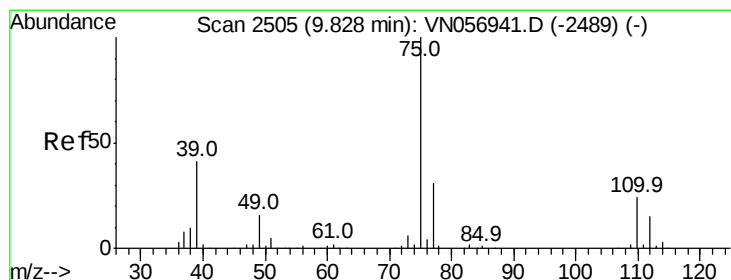
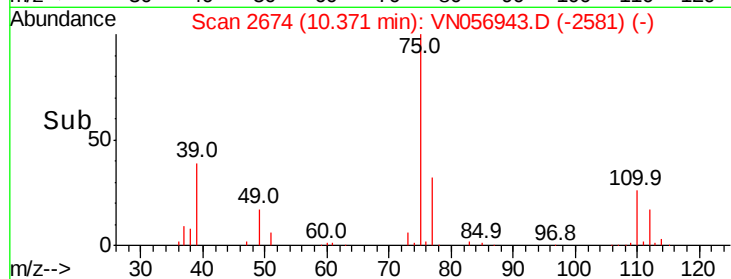
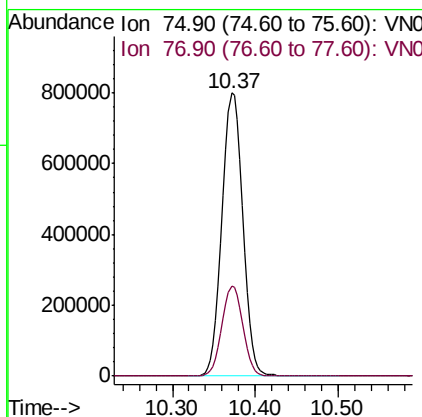
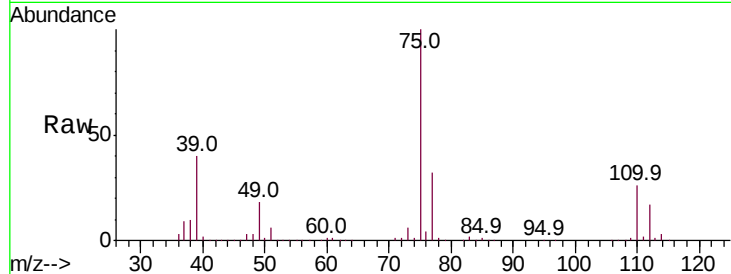
#53
t-1,3-Dichloropropene
Concen: 173.973 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. 0.00 min
Lab File: VN056943.D
Acq: 26 Jul 2019 12:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 75 Resp: 1396818
Ion Ratio Lower Upper
75 100
77 31.8 25.1 37.7

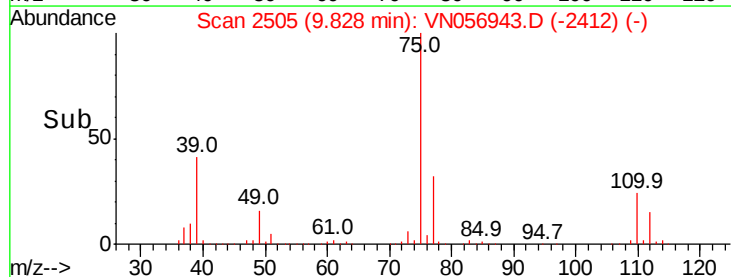
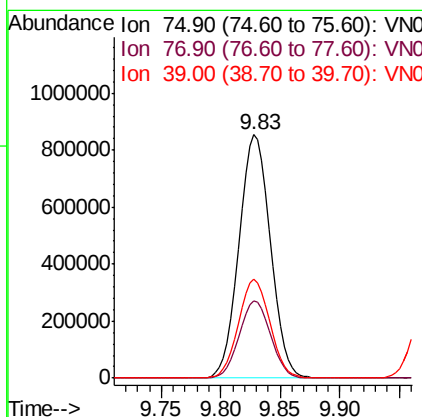
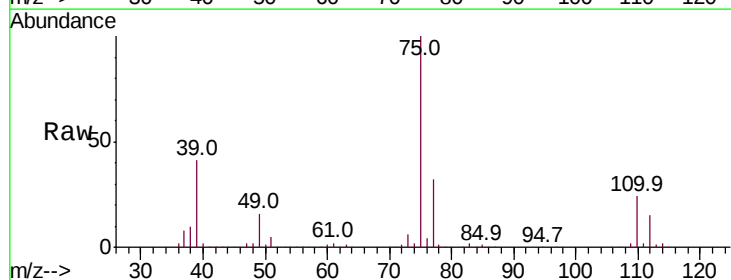
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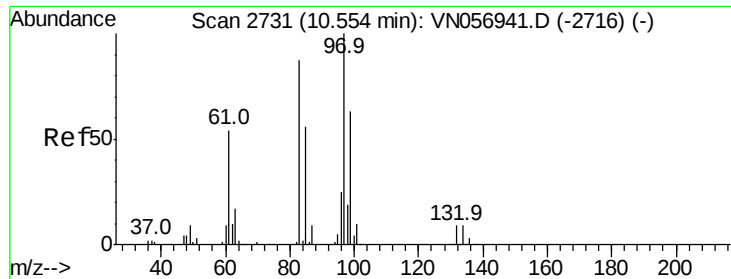
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#54
cis-1,3-Dichloropropene
Concen: 166.447 ug/l
RT: 9.83 min Scan# 2505
Delta R.T. 0.00 min
Lab File: VN056943.D
Acq: 26 Jul 2019 12:42

Tgt Ion: 75 Resp: 1567793
Ion Ratio Lower Upper
75 100
77 31.6 25.0 37.6
39 40.5 32.6 49.0





#55

1,1,2-Trichloroethane

Concen: 148.367 ug/l

RT: 10.55 min Scan# 2731

Delta R.T. 0.00 min

Lab File: VN056943.D

Acq: 26 Jul 2019 12:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 97 Resp: 896433

Ion Ratio Lower Upper

97 100

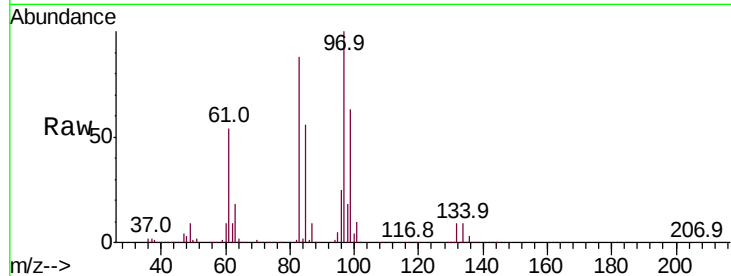
83 87.7 69.4 104.0

85 55.8 44.7 67.1

99 63.3 50.1 75.1

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8/2/2019 9:13:27 AM

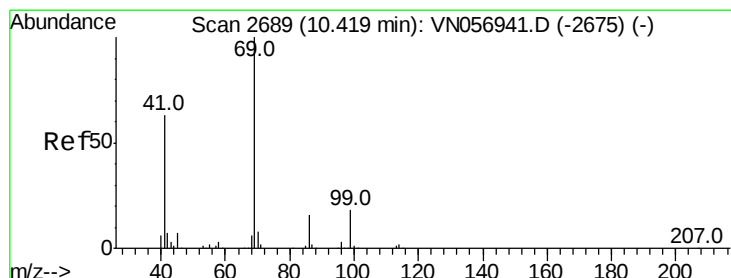
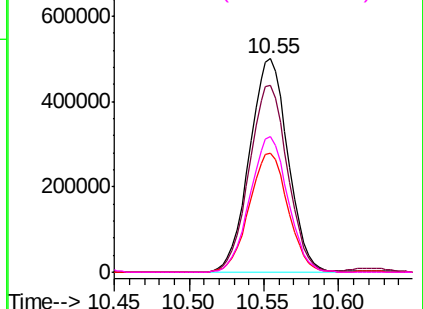
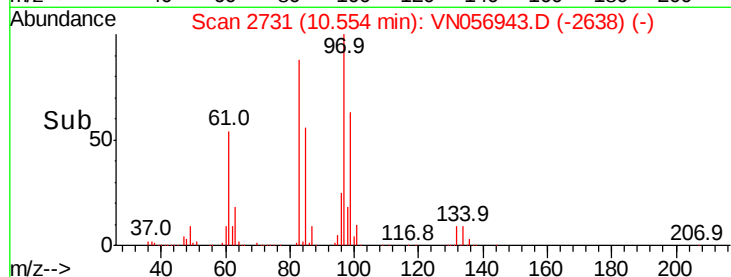


Abundance Ion 96.90 (96.60 to 97.60): VN0

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: 166.834 ug/l

RT: 10.42 min Scan# 2689

Delta R.T. 0.00 min

Lab File: VN056943.D

Acq: 26 Jul 2019 12:42

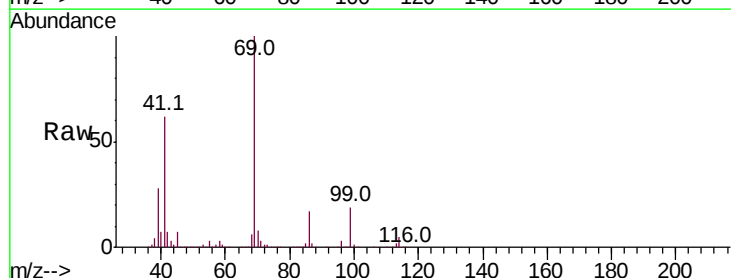
Tgt Ion: 69 Resp: 1360448

Ion Ratio Lower Upper

69 100

41 61.3 49.2 73.8

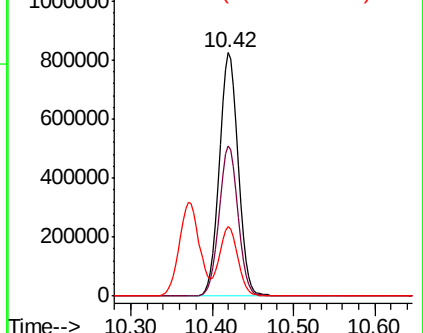
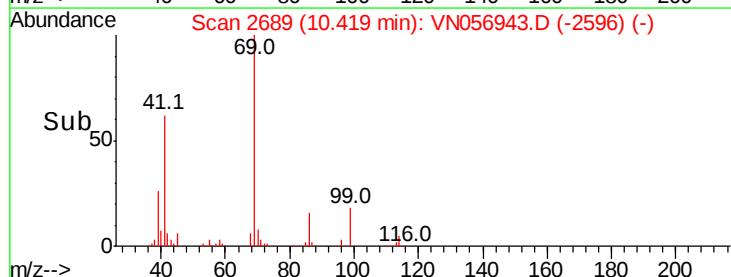
39 28.1 23.1 34.7

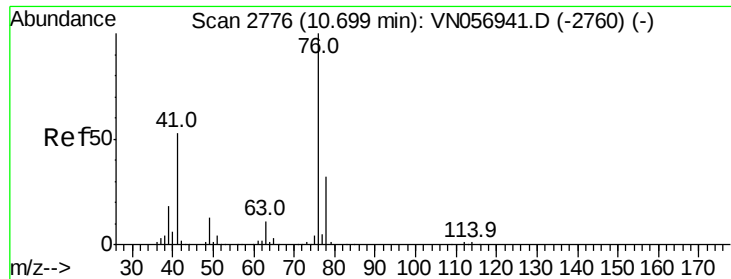


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 153.311 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. 0.00 min

Lab File: VN056943.D

Acq: 26 Jul 2019 12:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 1513559

Ion Ratio Lower Upper

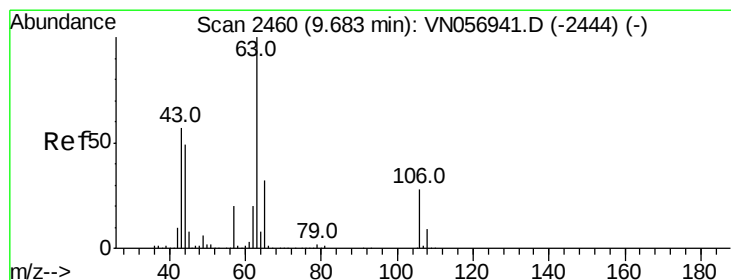
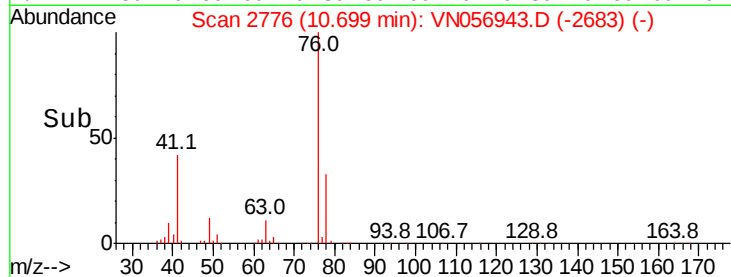
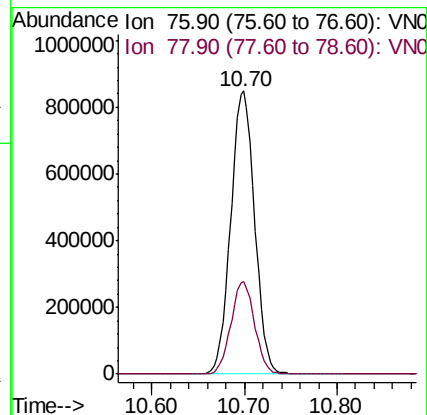
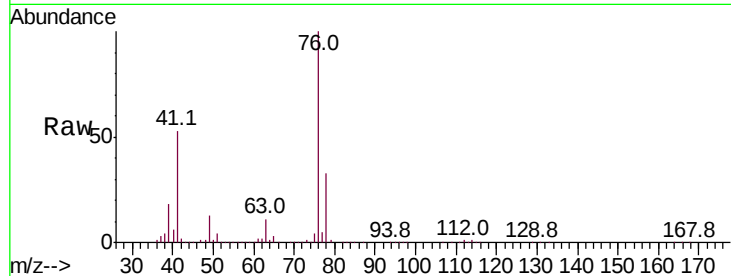
76 100

78 32.5 25.9 38.9

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#58

2-Chloroethyl Vinyl ether

Concen: 910.072 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. 0.00 min

Lab File: VN056943.D

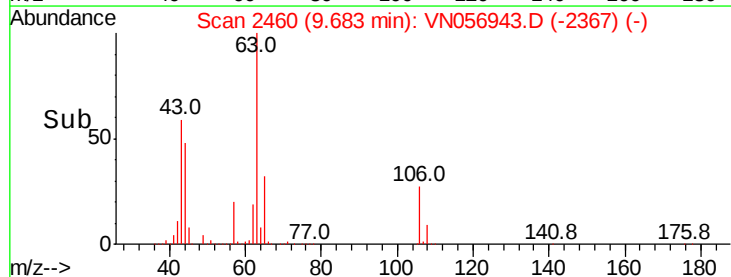
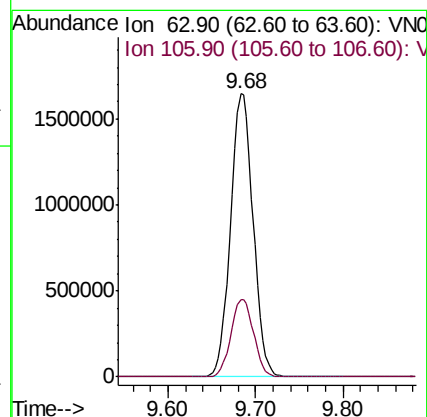
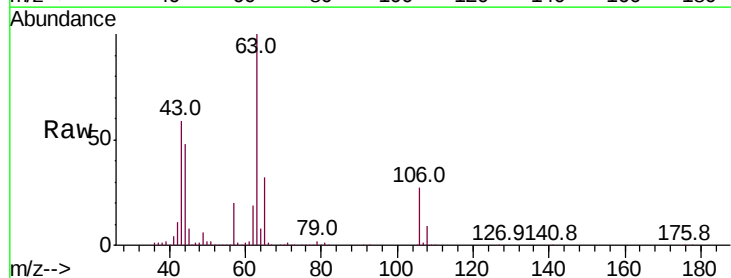
Acq: 26 Jul 2019 12:42

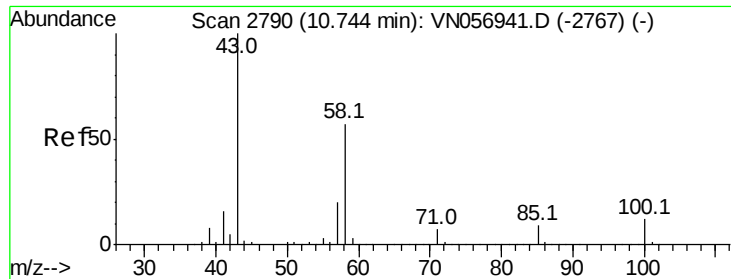
Tgt Ion: 63 Resp: 2946691

Ion Ratio Lower Upper

63 100

106 27.7 22.0 33.0





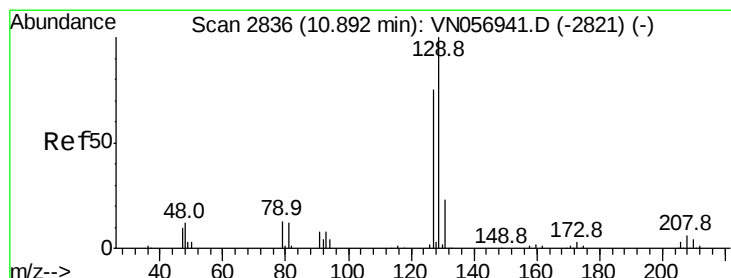
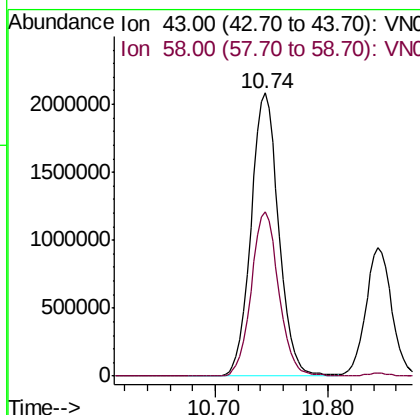
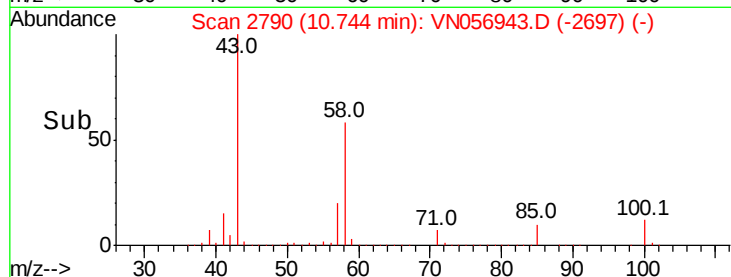
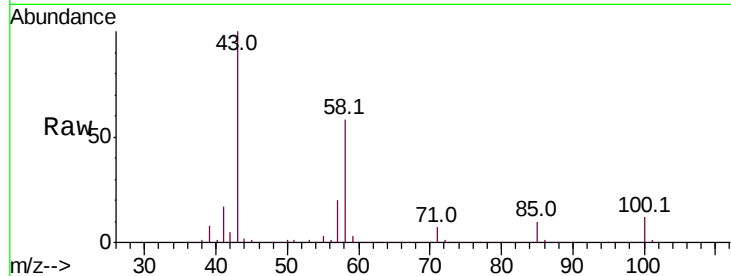
#59
2-Hexanone
Concen: 798.907 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VN056943.D
Acq: 26 Jul 2019 12:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 3540276
Ion Ratio Lower Upper
43 100
58 57.8 28.5 85.5

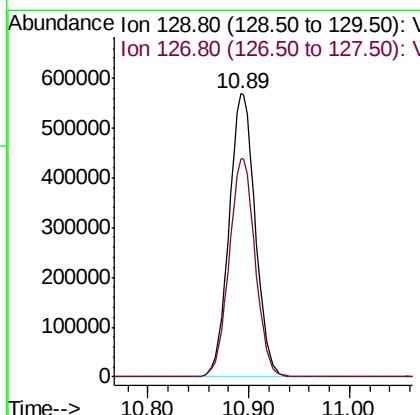
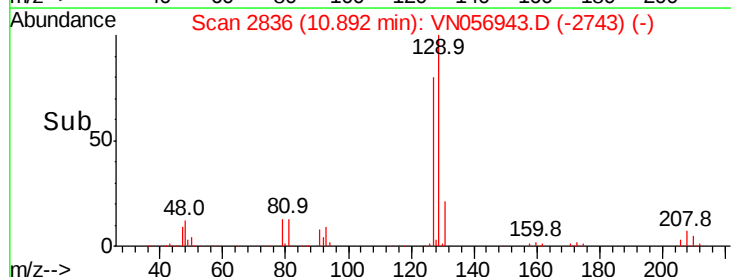
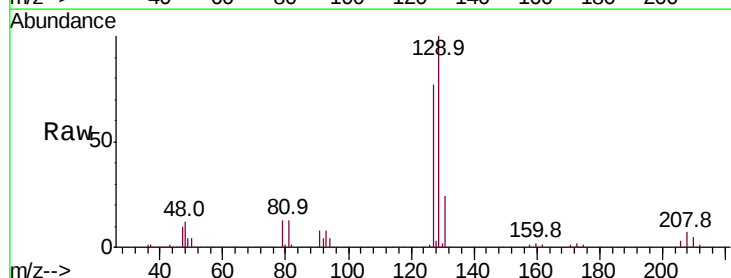
Manual Integrations
APPROVED

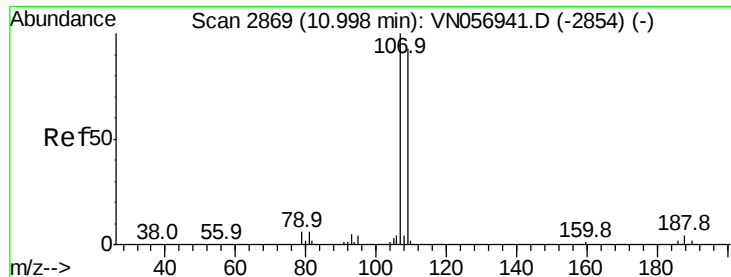
MMDadoda
8/2/2019 9:13:27 AM



#60
Dibromochloromethane
Concen: 166.266 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN056943.D
Acq: 26 Jul 2019 12:42

Tgt Ion: 129 Resp: 1025164
Ion Ratio Lower Upper
129 100
127 76.8 38.0 113.9





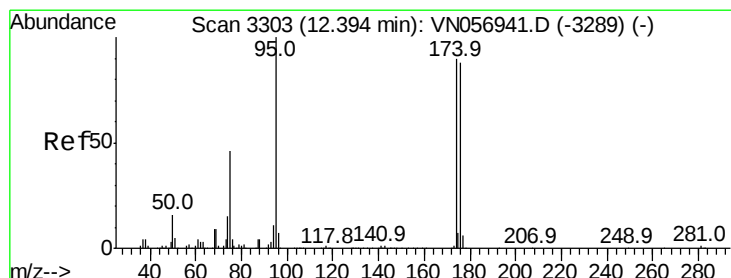
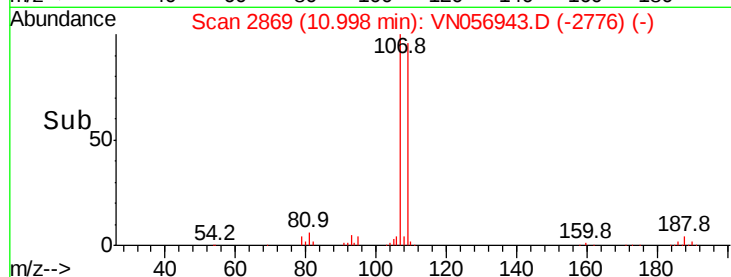
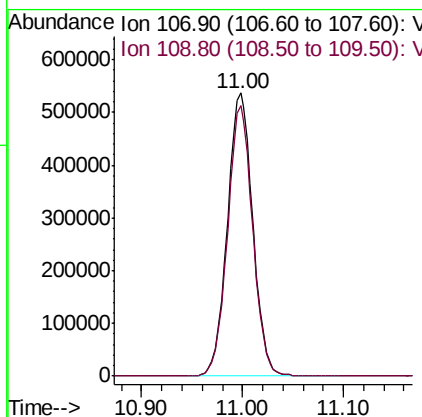
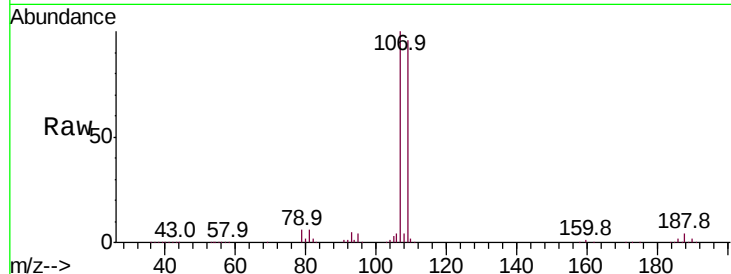
#61
1,2-Dibromoethane
Concen: 157.783 ug/l
RT: 11.00 min Scan# 2869
Delta R.T. 0.00 min
Lab File: VN056943.D
Acq: 26 Jul 2019 12:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.5	76.0	114.0

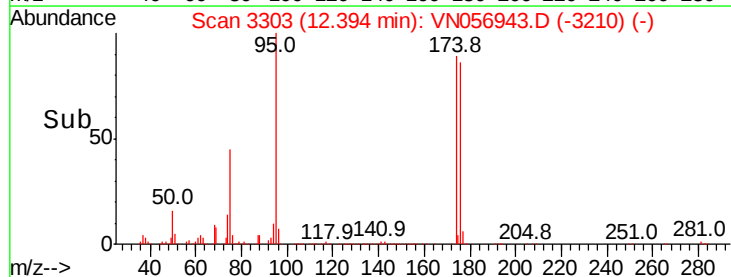
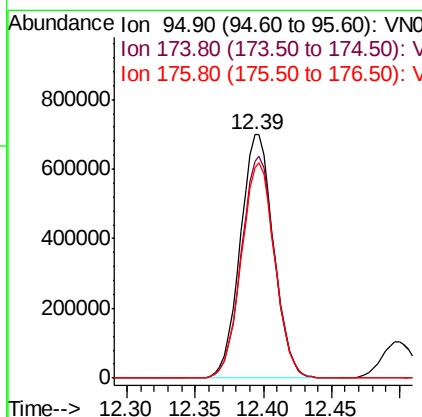
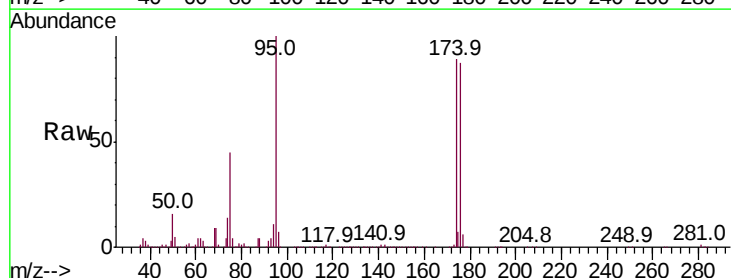
Manual Integrations
APPROVED

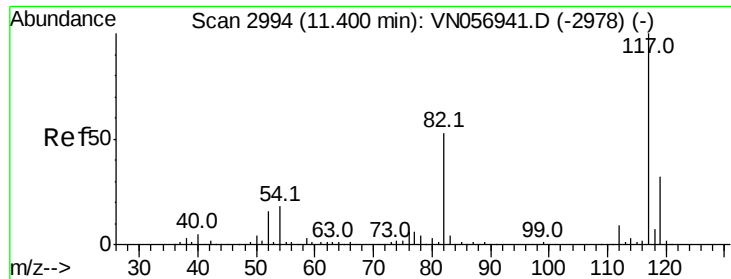
MMDadoda
8/2/2019 9:13:27 AM



#62
4-Bromofluorobenzene
Concen: 168.142 ug/l
RT: 12.39 min Scan# 3303
Delta R.T. 0.00 min
Lab File: VN056943.D
Acq: 26 Jul 2019 12:42

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.6	0.0	182.2
176	88.7	0.0	179.4





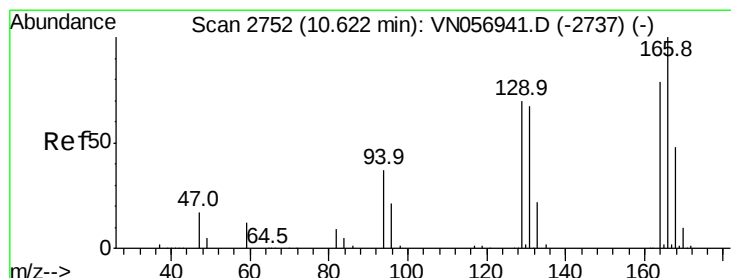
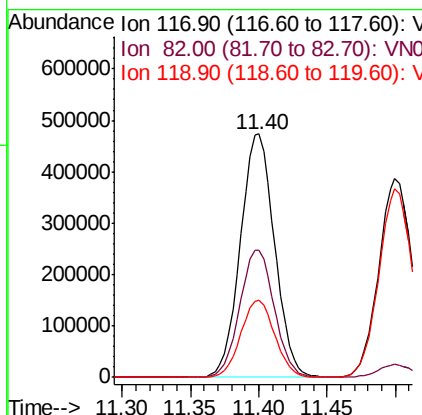
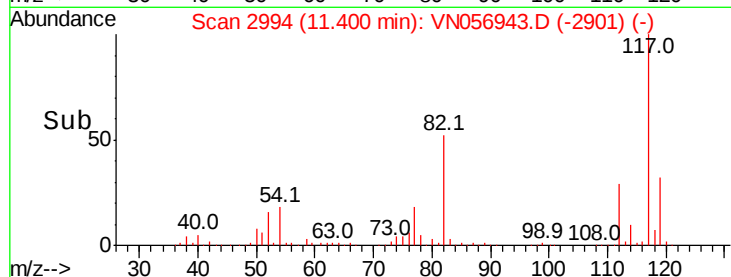
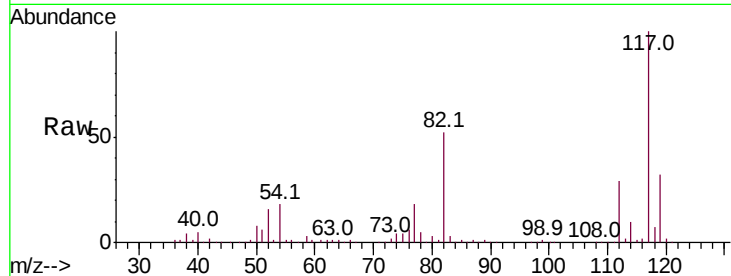
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN056943.D
Acq: 26 Jul 2019 12:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.3	42.2	63.4
119	31.8	25.8	38.6

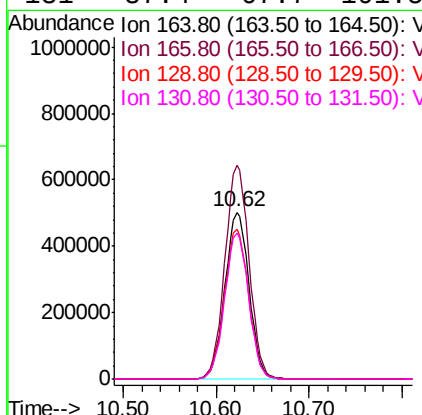
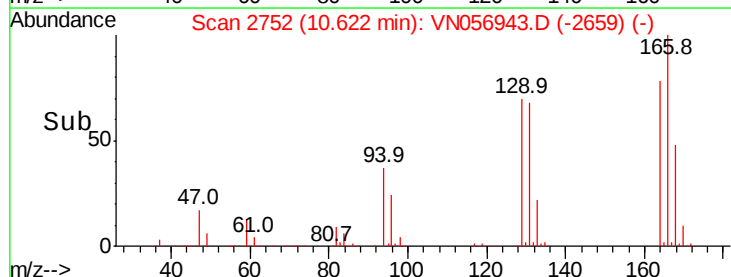
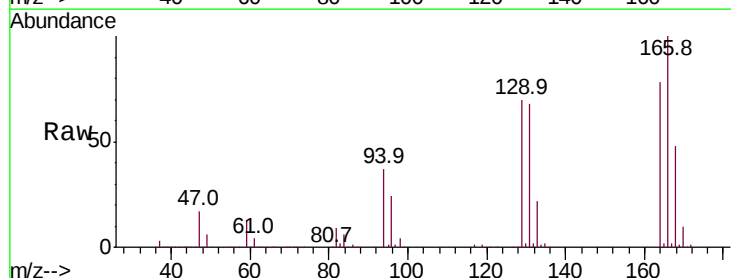
Manual Integrations
APPROVED

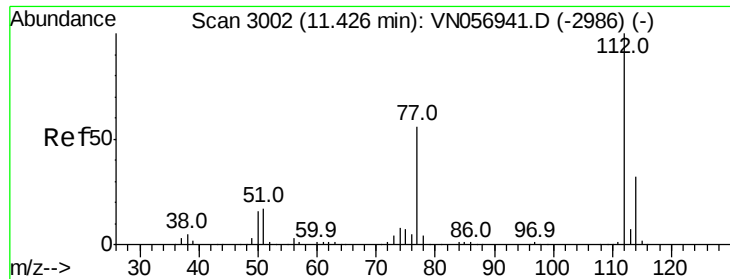
MMDadoda
8/2/2019 9:13:27 AM



#64
Tetrachloroethene
Concen: 123.153 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN056943.D
Acq: 26 Jul 2019 12:42

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.0	101.1	151.7
129	90.0	70.9	106.3
131	87.4	67.7	101.5





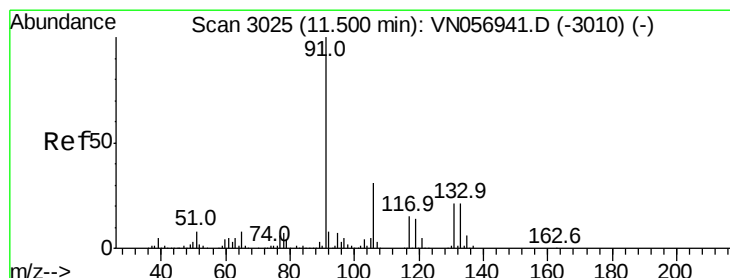
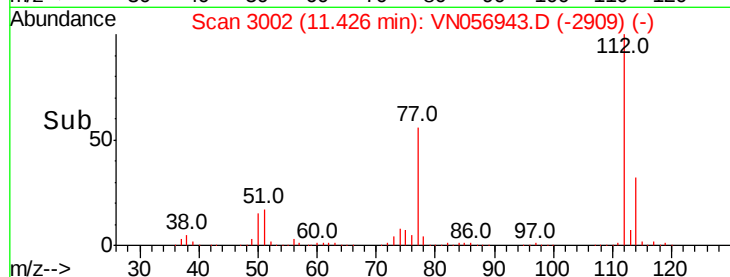
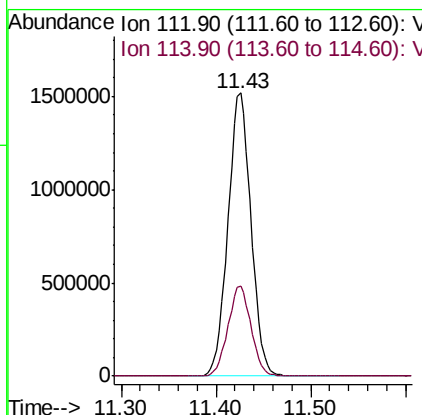
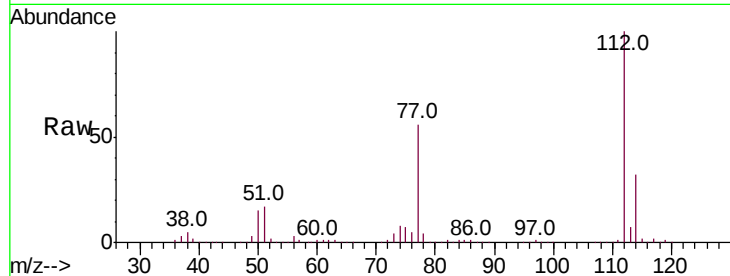
#65
Chlorobenzene
Concen: 150.998 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN056943.D
Acq: 26 Jul 2019 12:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 2566685
Ion Ratio Lower Upper
112 100
114 31.8 26.0 39.0

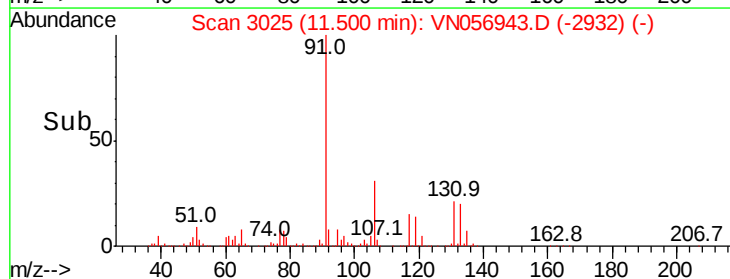
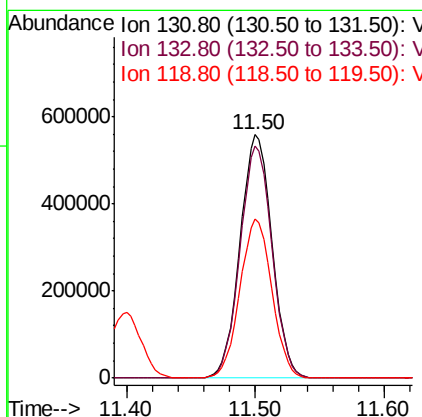
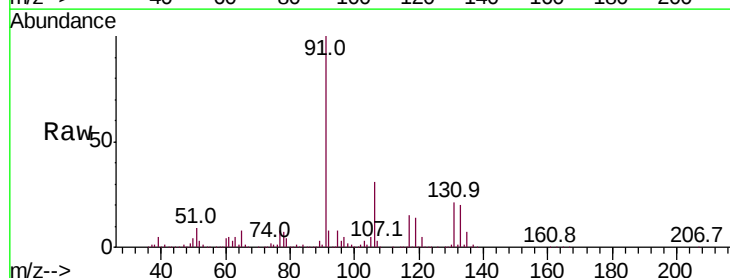
Manual Integrations
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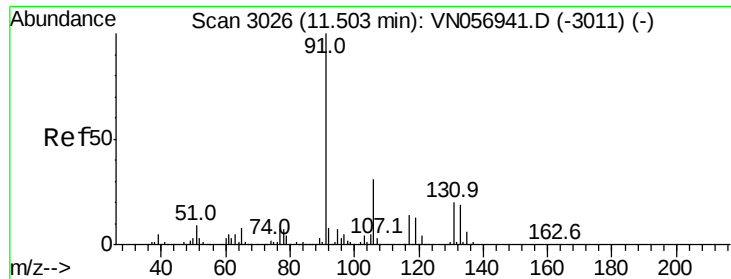
MMDadoda
8/2/2019 9:13:27 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 151.766 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. 0.00 min
Lab File: VN056943.D
Acq: 26 Jul 2019 12:42

Tgt Ion:131 Resp: 963129
Ion Ratio Lower Upper
131 100
133 95.5 48.0 144.0
119 65.4 33.2 99.6





#67

Ethyl Benzene

Concen: 153.897 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN056943.D

Acq: 26 Jul 2019 12:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 4502477

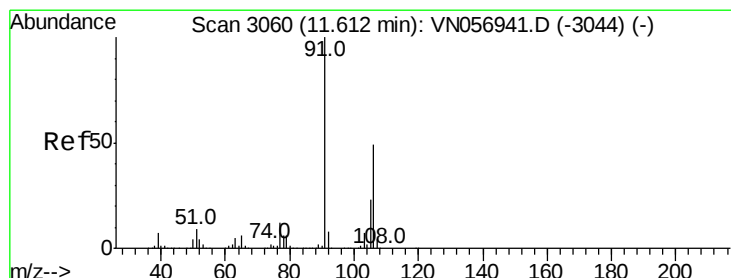
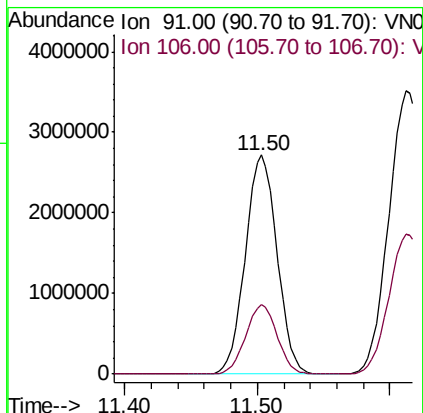
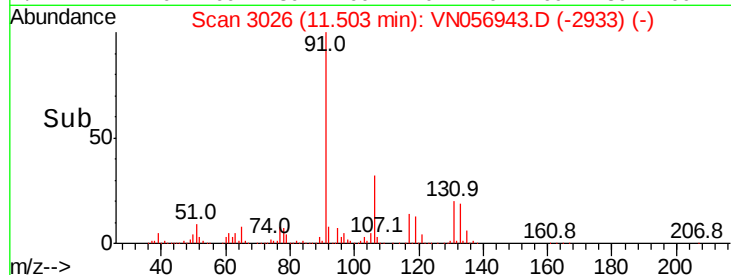
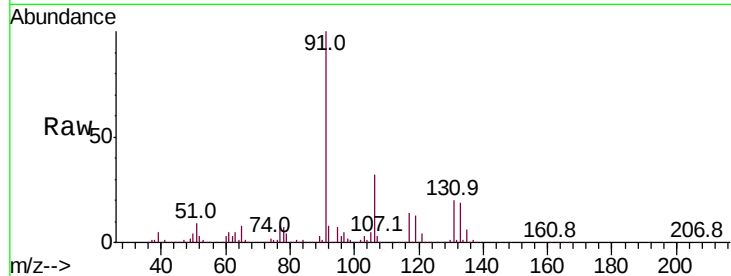
Ion Ratio Lower Upper

91 100

106 31.7 25.1 37.7

Manual Integrations
APPROVED

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#68

m/p-Xylenes

Concen: 309.567 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. 0.00 min

Lab File: VN056943.D

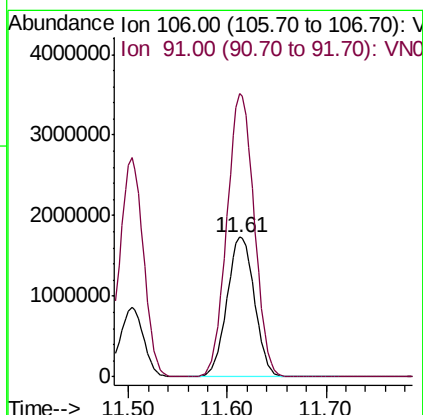
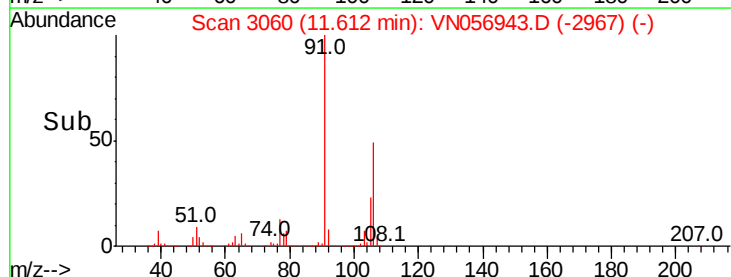
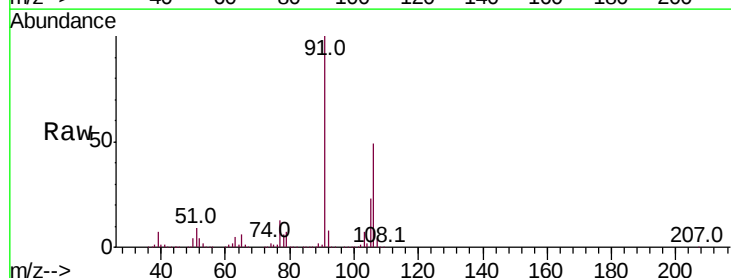
Acq: 26 Jul 2019 12:42

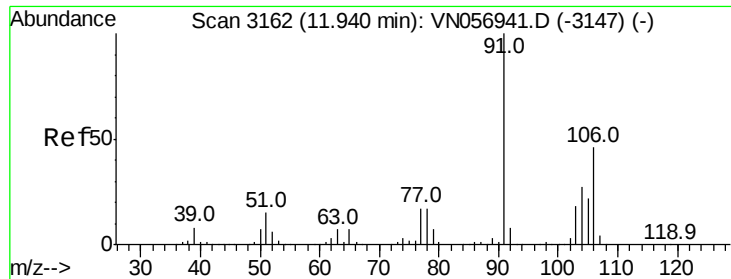
Tgt Ion: 106 Resp: 3373197

Ion Ratio Lower Upper

106 100

91 201.5 160.0 240.0





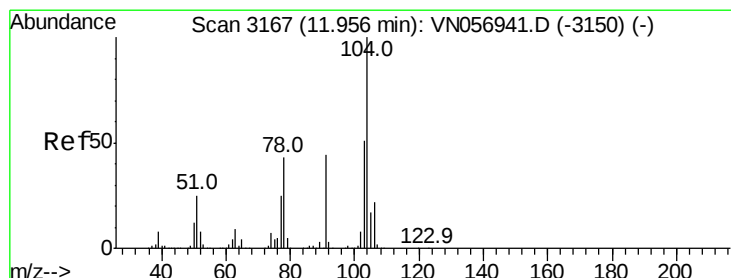
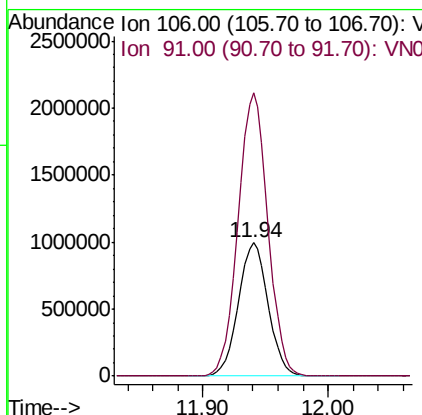
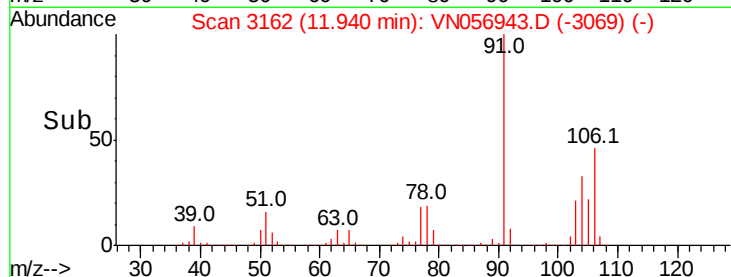
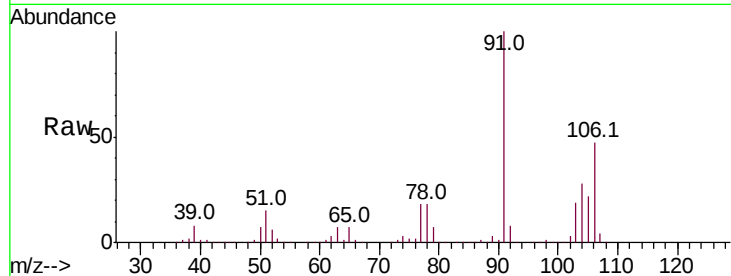
#69
o-Xylene
Concen: 153.499 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN056943.D
Acq: 26 Jul 2019 12:42

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion:106 Resp: 1636600
Ion Ratio Lower Upper
106 100
91 211.9 106.2 318.6

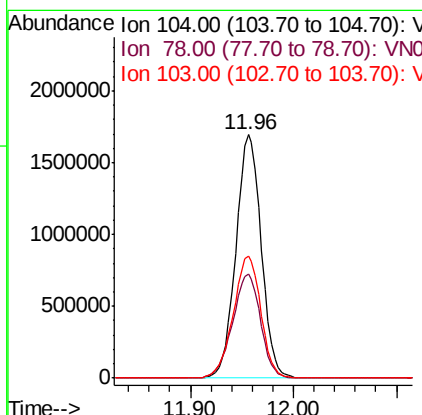
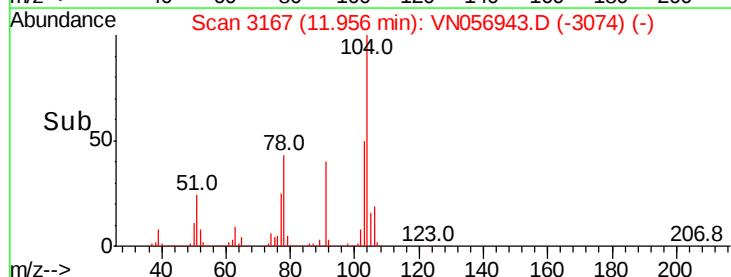
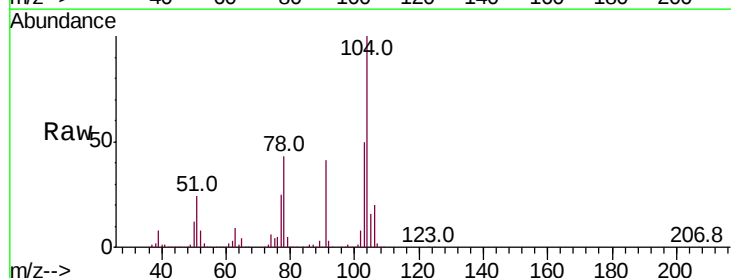
Manual Integrations
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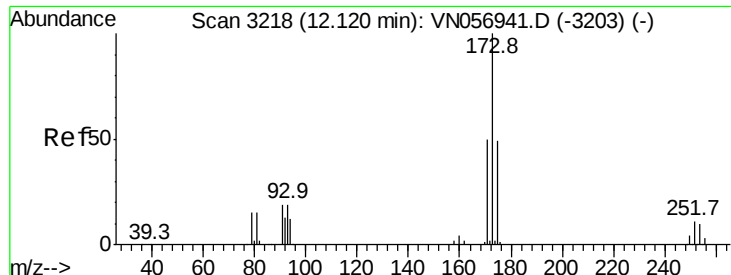
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#70
Styrene
Concen: 170.915 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN056943.D
Acq: 26 Jul 2019 12:42

Tgt Ion:104 Resp: 2886792
Ion Ratio Lower Upper
104 100
78 47.2 38.1 57.1
103 54.7 44.3 66.5





#71

Bromoform

Concen: 168.402 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN056943.D

Acq: 26 Jul 2019 12:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:173 Resp: 750018

Ion Ratio Lower Upper

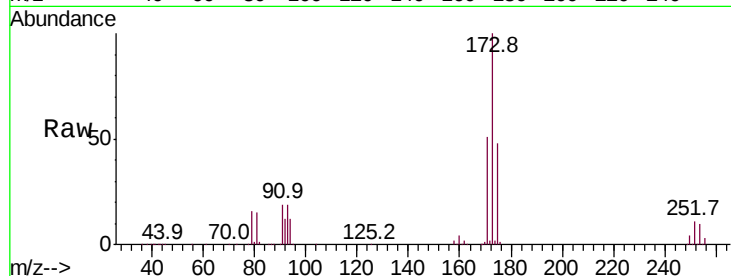
173 100

175 48.8 24.1 72.4

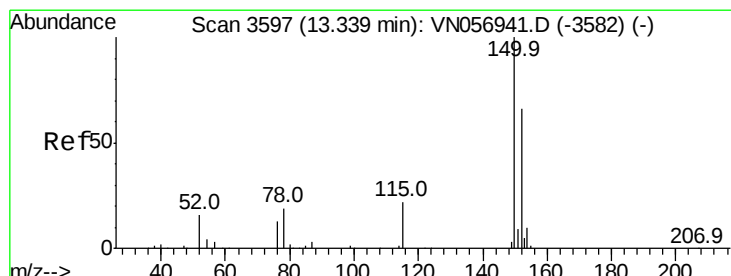
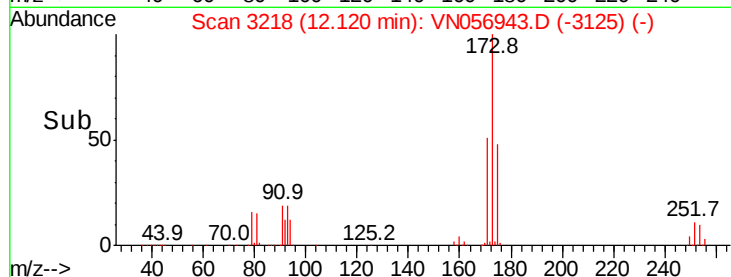
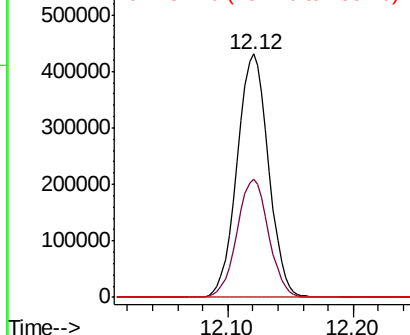
254 0.1 0.1 0.1#

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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: VN056943.D

Acq: 26 Jul 2019 12:42

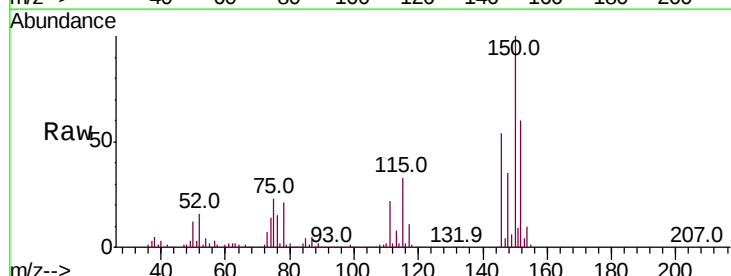
Tgt Ion:152 Resp: 386349

Ion Ratio Lower Upper

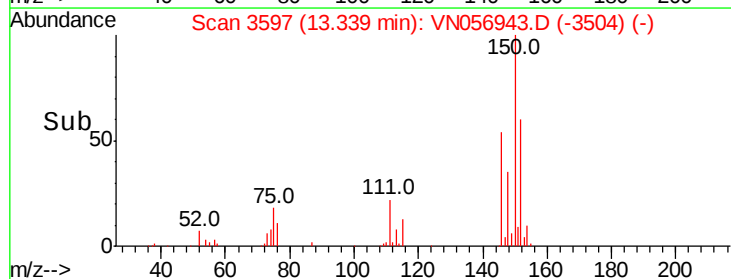
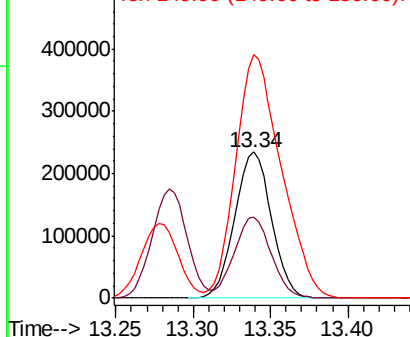
152 100

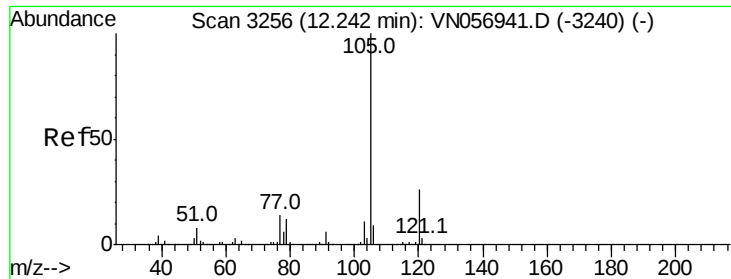
115 56.0 28.2 84.6

150 206.6 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: 126.151 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN056943.D

Acq: 26 Jul 2019 12:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 4368172

Ion Ratio Lower Upper

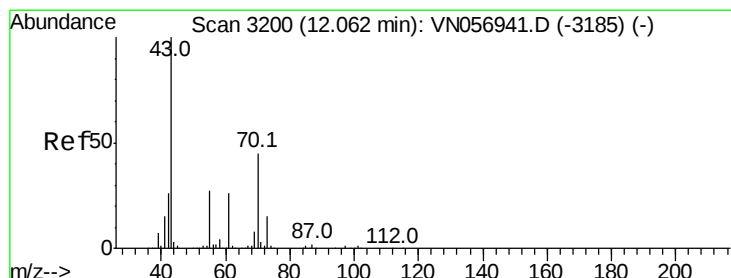
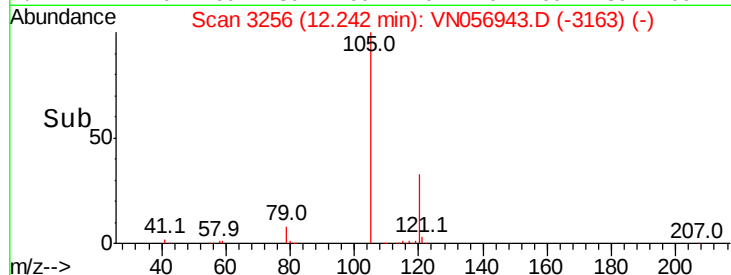
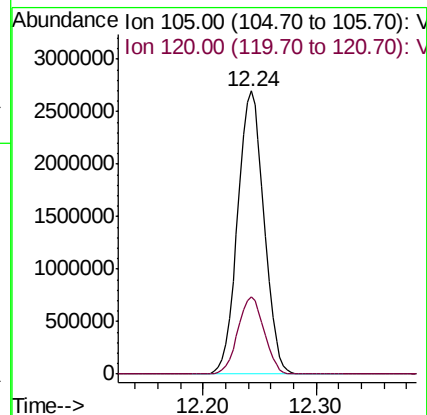
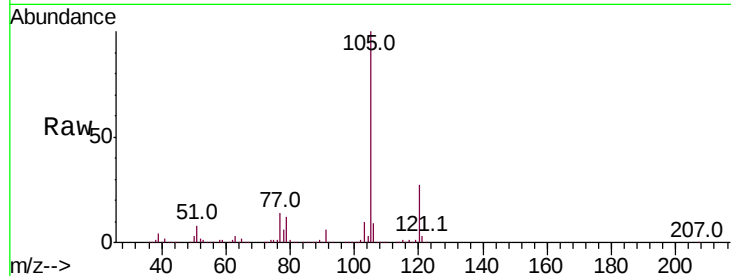
105 100

120 27.1 13.5 40.5

Manual Integrations
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#74

N-ethyl acetate

Concen: 142.383 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN056943.D

Acq: 26 Jul 2019 12:42

Tgt Ion: 43 Resp: 1455970

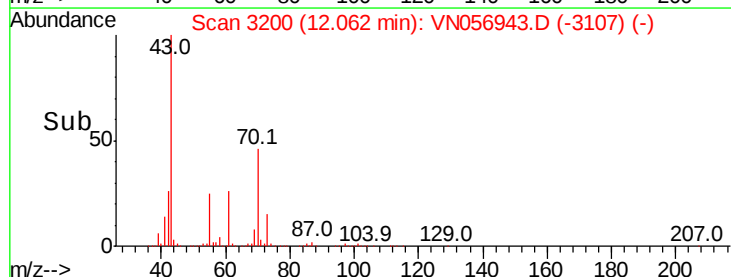
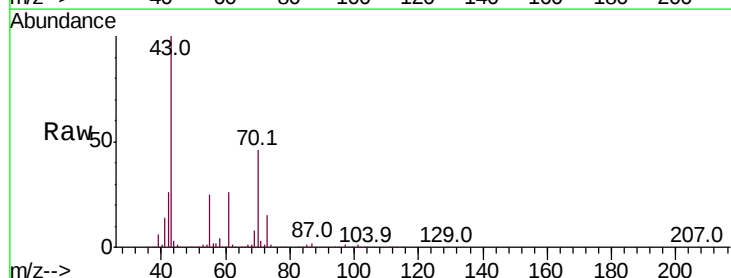
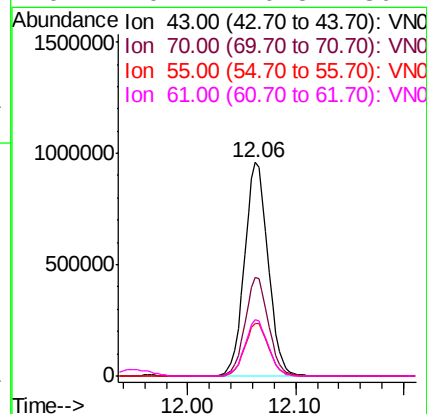
Ion Ratio Lower Upper

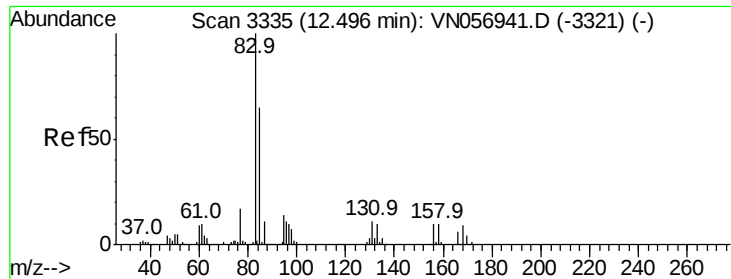
43 100

70 45.9 36.5 54.7

55 25.1 21.4 32.0

61 26.1 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 118.476 ug/l

RT: 12.50 min Scan# 3335

Delta R.T. 0.00 min

Lab File: VN056943.D

Acq: 26 Jul 2019 12:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 1195497

Ion Ratio Lower Upper

83 100

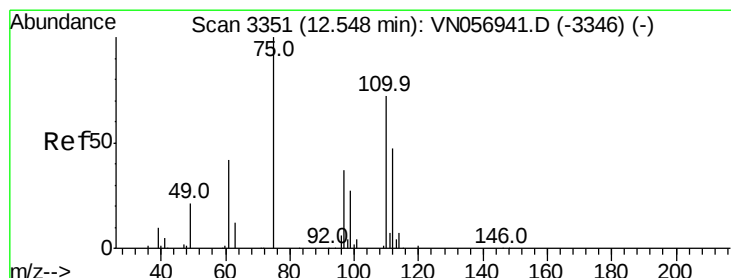
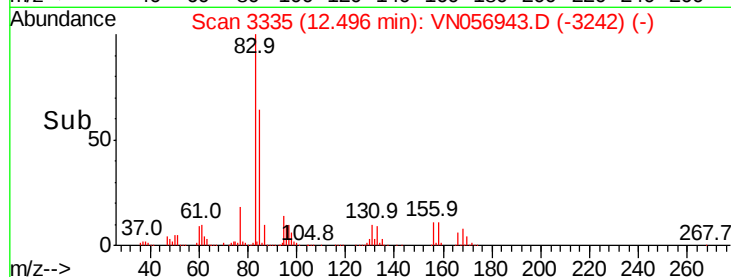
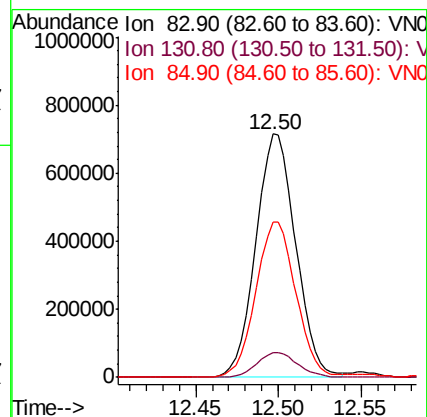
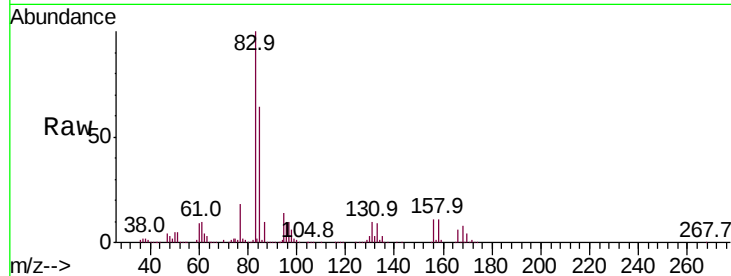
131 10.6 5.3 16.1

85 64.0 32.5 97.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 132.609 ug/l m

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN056943.D

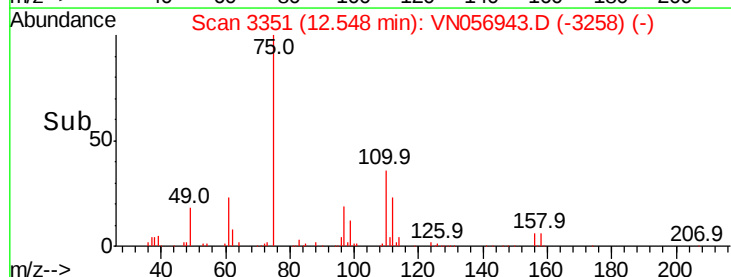
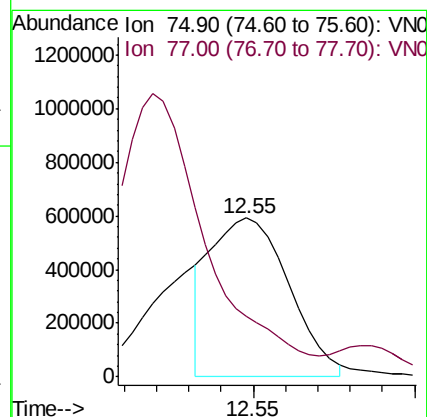
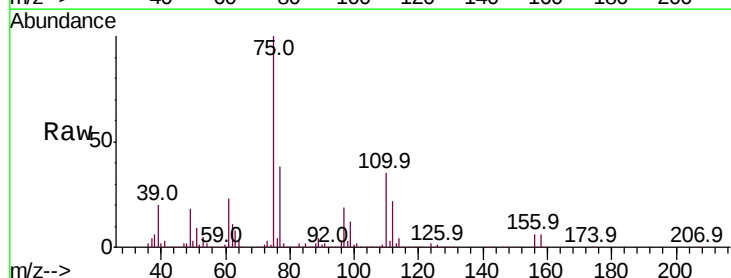
Acq: 26 Jul 2019 12:42

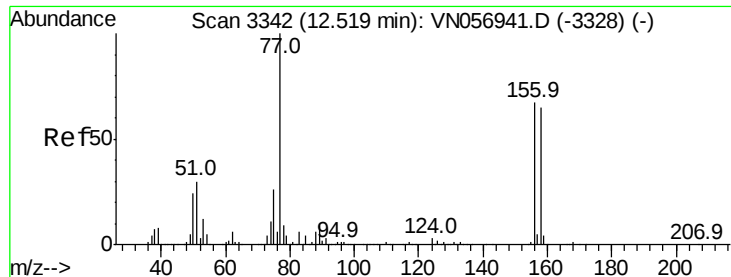
Tgt Ion: 75 Resp: 1003173

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 132.950 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. 0.00 min

Lab File: VN056943.D

Acq: 26 Jul 2019 12:42

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion:156 Resp: 1178968

Ion Ratio Lower Upper

156 100

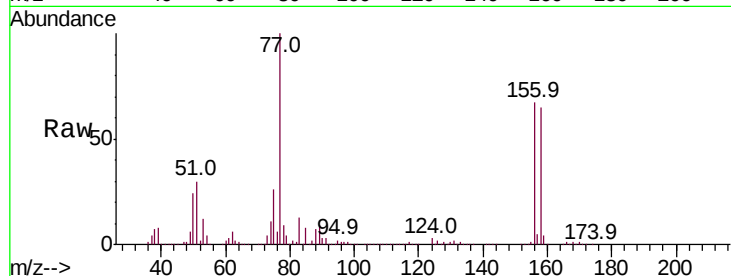
77 179.4 89.5 268.5

158 97.5 48.4 145.3

Manual Integrations
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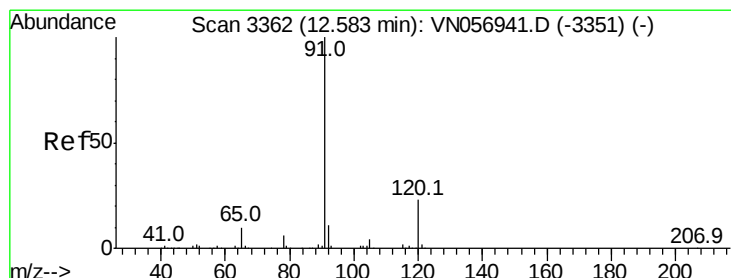
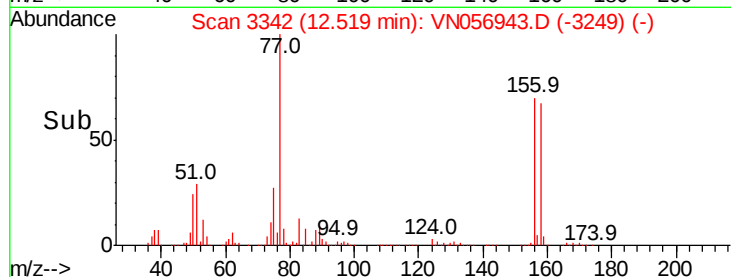
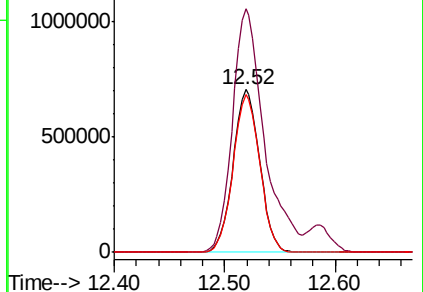
8/2/2019 9:13:27 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 135.816 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN056943.D

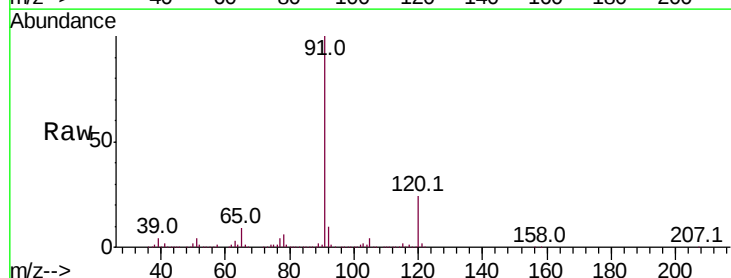
Acq: 26 Jul 2019 12:42

Tgt Ion: 91 Resp: 4969194

Ion Ratio Lower Upper

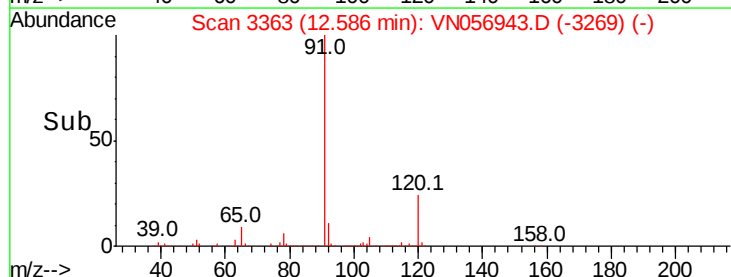
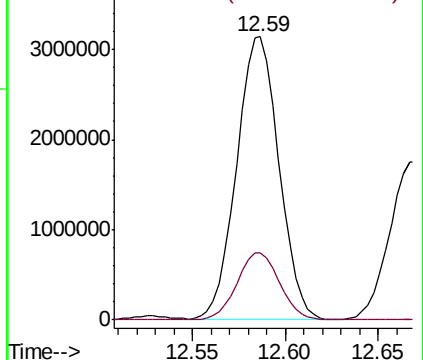
91 100

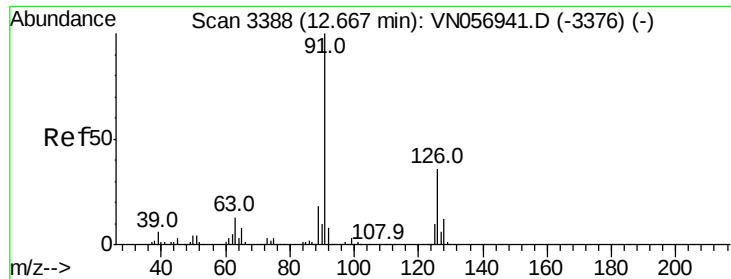
120 23.9 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 129.002 ug/l

RT: 12.67 min Scan# 3388

Delta R.T. 0.00 min

Lab File: VN056943.D

Acq: 26 Jul 2019 12:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 2938451

Ion Ratio Lower Upper

91 100

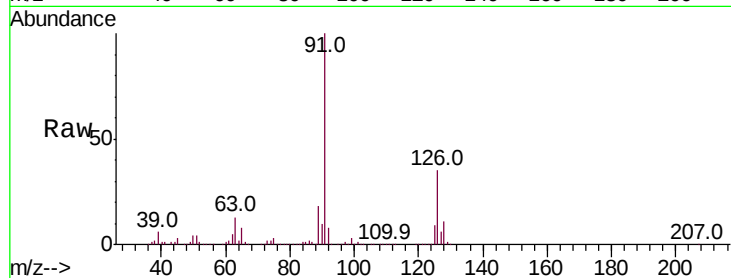
126 35.7 17.9 53.7

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Abundance Ion 91.00 (90.70 to 91.70): VN056941.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN056941.D (-3376) (-)

3000000

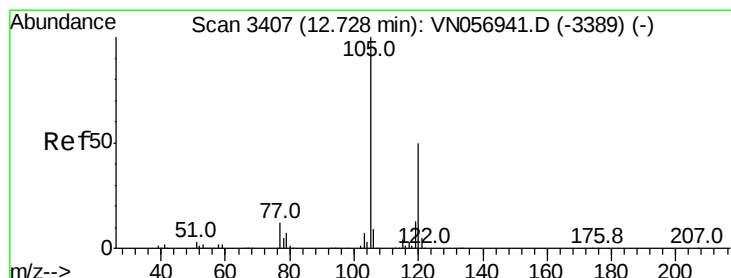
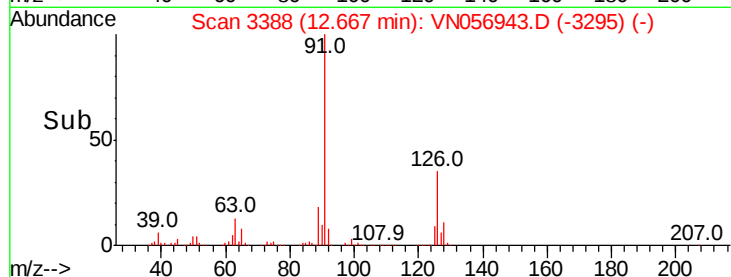
2000000

1000000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 128.694 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN056943.D

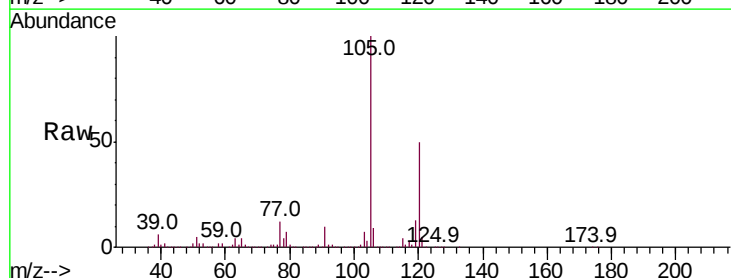
Acq: 26 Jul 2019 12:42

Tgt Ion:105 Resp: 3680224

Ion Ratio Lower Upper

105 100

120 49.8 24.8 74.3



Abundance Ion 105.00 (104.70 to 105.70): VN056941.D (-3389) (-)

Ion 120.00 (119.70 to 120.70): VN056941.D (-3389) (-)

2500000

2000000

1500000

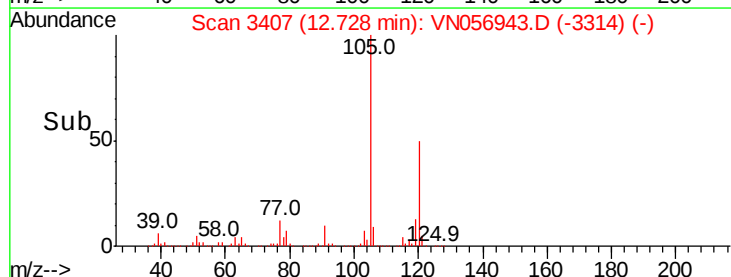
1000000

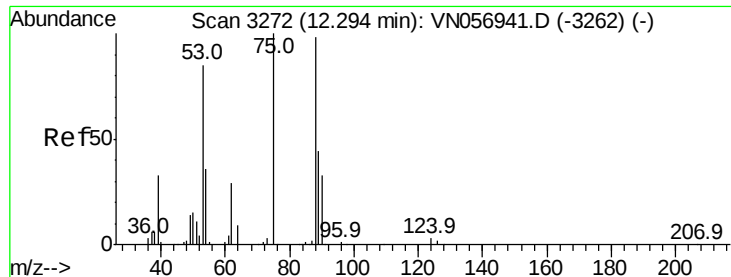
500000

0

12.70 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 161.887 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN056943.D

Acq: 26 Jul 2019 12:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 397146

Ion Ratio Lower Upper

75 100

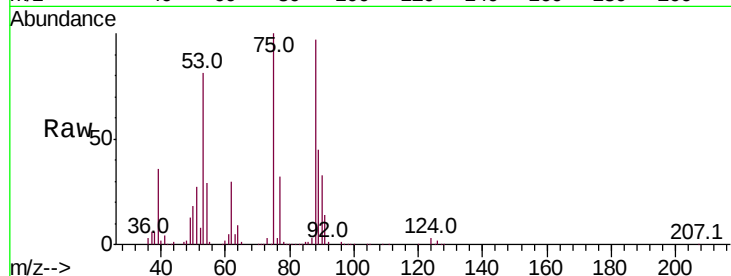
53 82.3 69.3 103.9

89 44.7 35.8 53.6

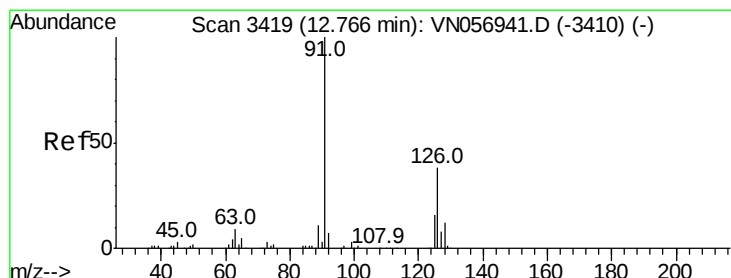
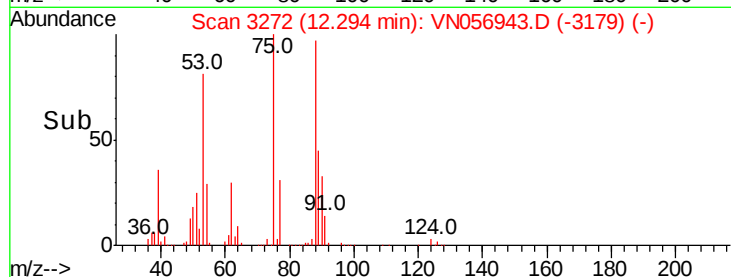
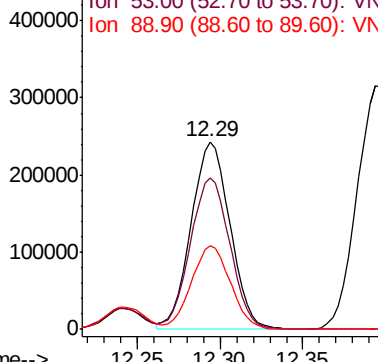
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Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 142.242 ug/l

RT: 12.77 min Scan# 3419

Delta R.T. 0.00 min

Lab File: VN056943.D

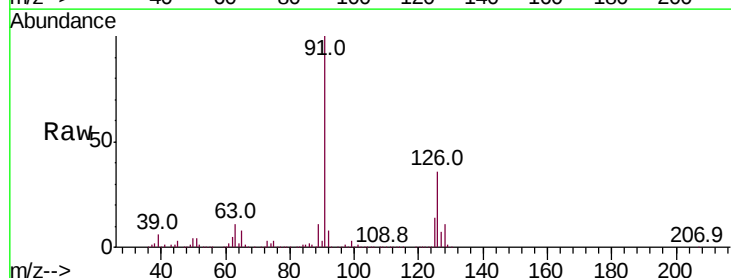
Acq: 26 Jul 2019 12:42

Tgt Ion: 91 Resp: 2973329

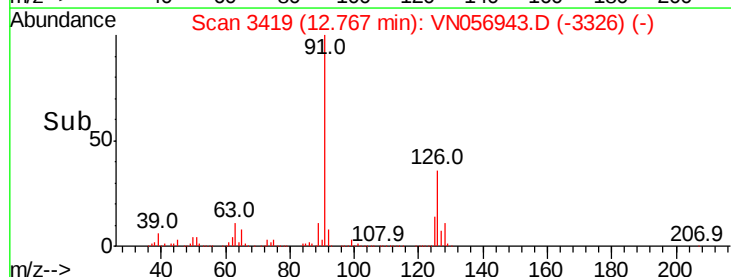
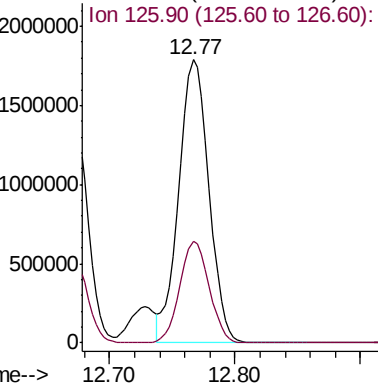
Ion Ratio Lower Upper

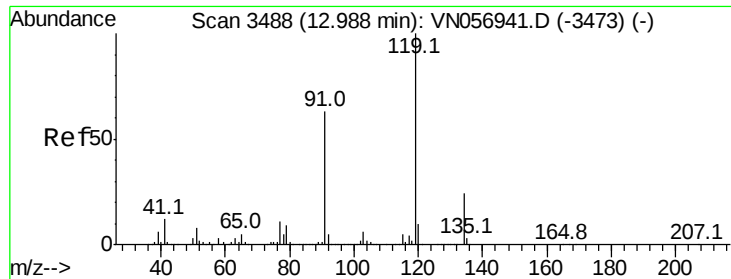
91 100

126 35.1 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 125.90 (125.60 to 126.60): V





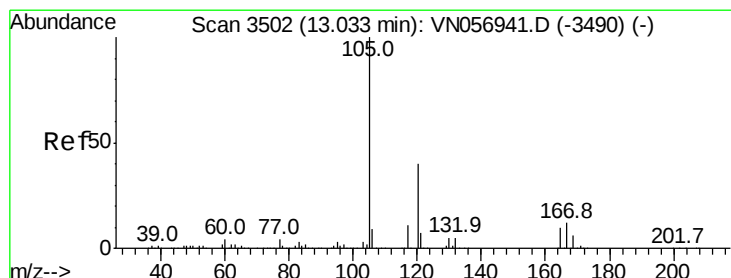
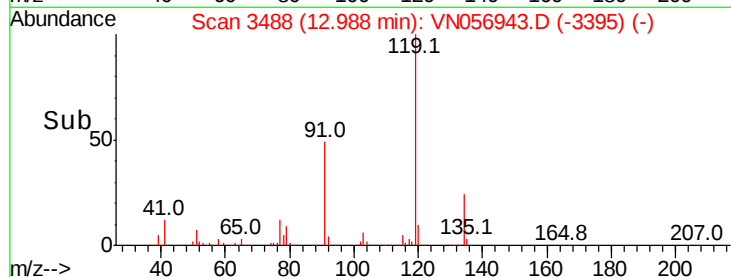
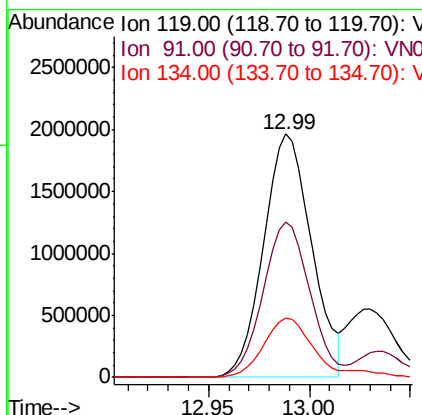
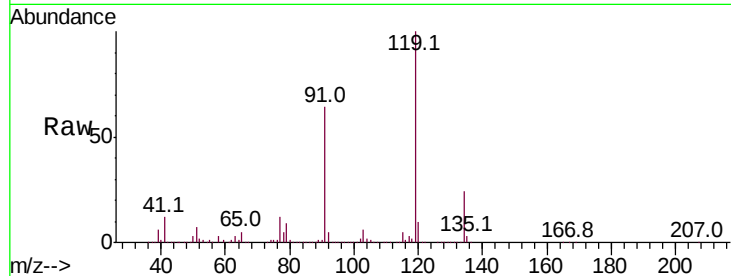
#83
 tert-Butylbenzene
 Concen: 128.722 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. 0.00 min
 Lab File: VN056943.D
 Acq: 26 Jul 2019 12:42

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.4	31.3	93.8
134	26.2	13.3	39.8

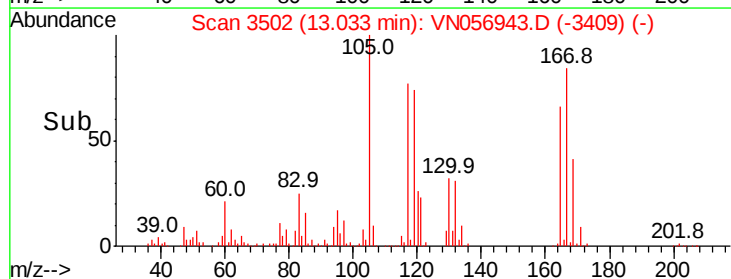
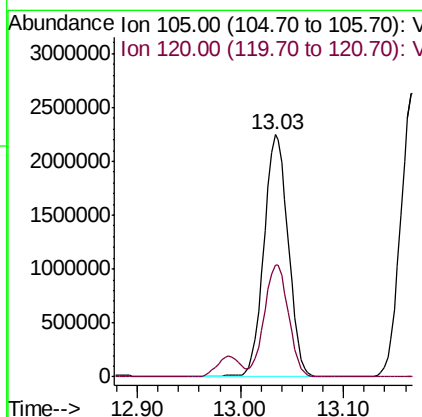
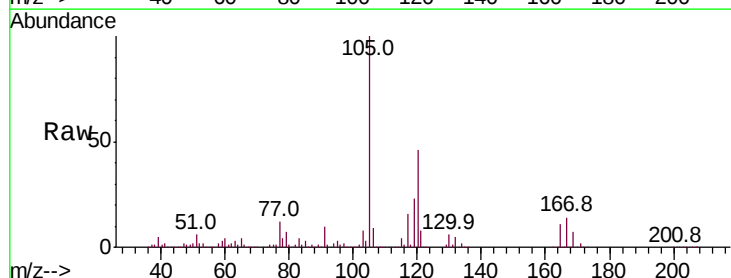
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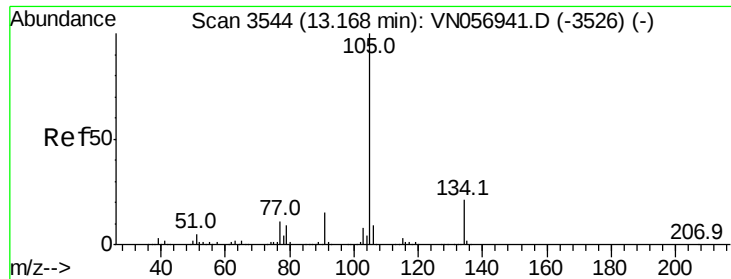
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#84
 1,2,4-Trimethylbenzene
 Concen: 135.027 ug/l
 RT: 13.03 min Scan# 3502
 Delta R.T. 0.00 min
 Lab File: VN056943.D
 Acq: 26 Jul 2019 12:42

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	23.2	69.6





#85

sec-Butylbenzene

Concen: 133.849 ug/l

RT: 13.17 min Scan# 3543

Delta R.T. -0.00 min

Lab File: VN056943.D

Acq: 26 Jul 2019 12:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 4264458

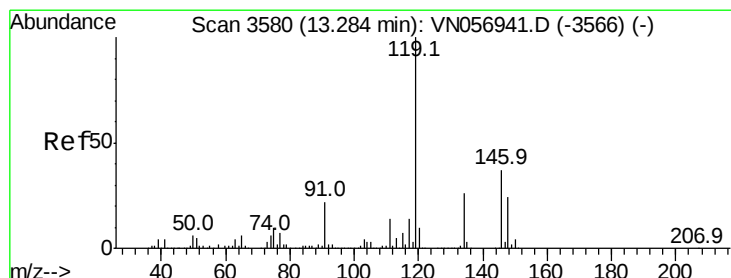
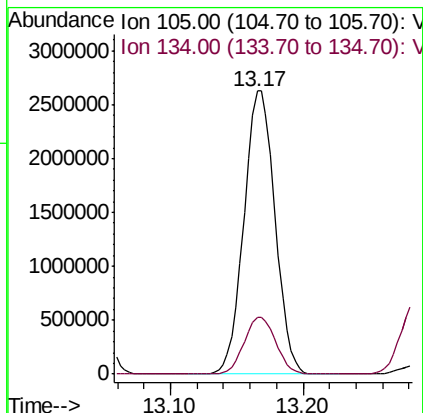
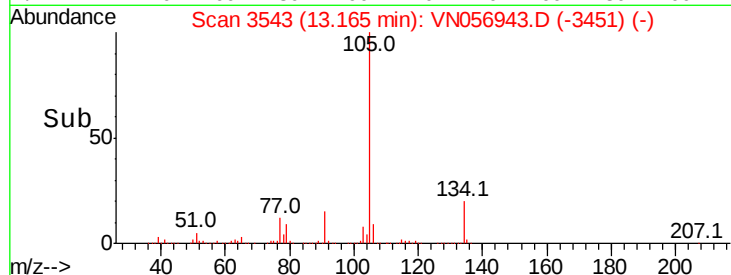
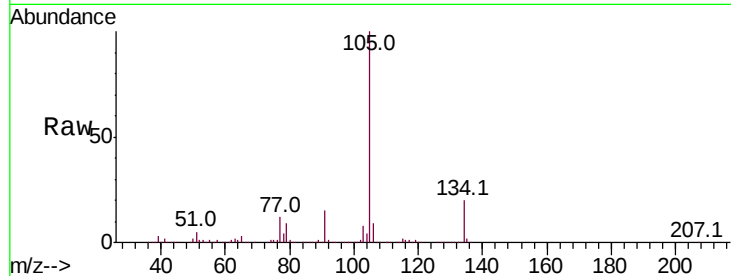
Ion Ratio Lower Upper

105 100

134 20.5 10.3 30.8

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 138.879 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN056943.D

Acq: 26 Jul 2019 12:42

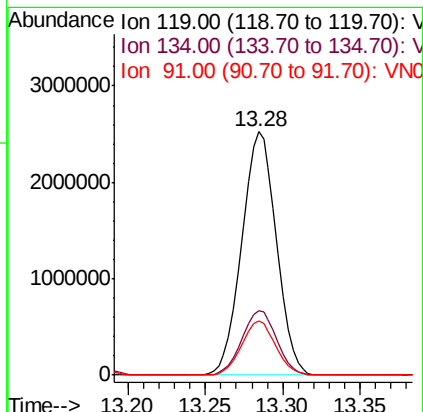
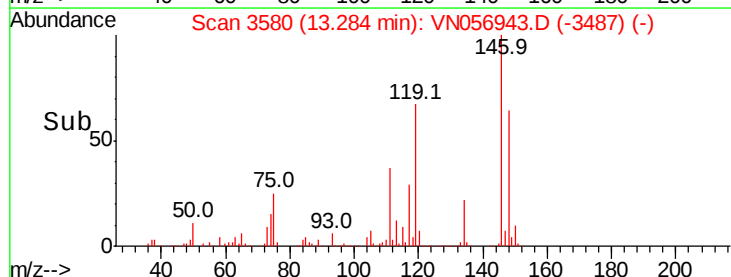
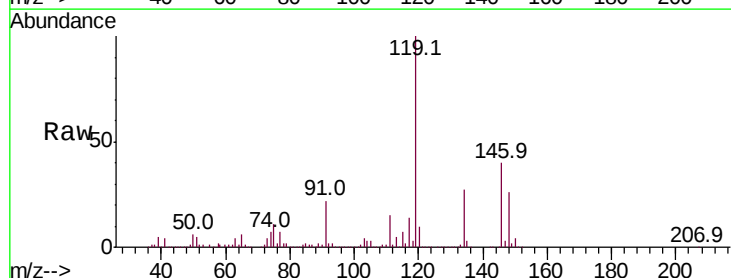
Tgt Ion:119 Resp: 3914945

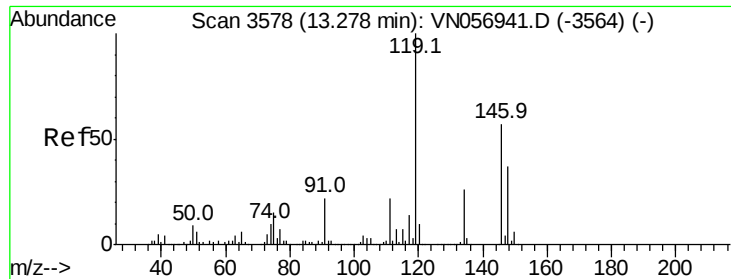
Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.1

91 21.9 11.0 33.0





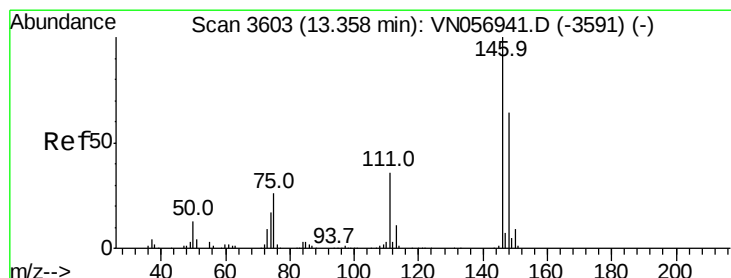
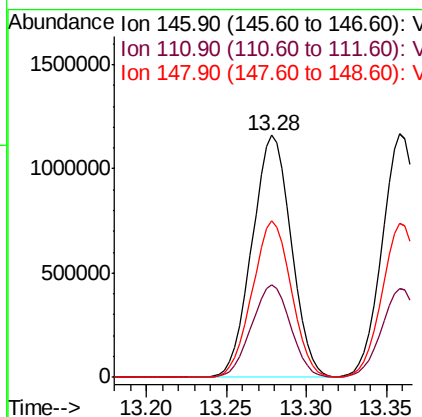
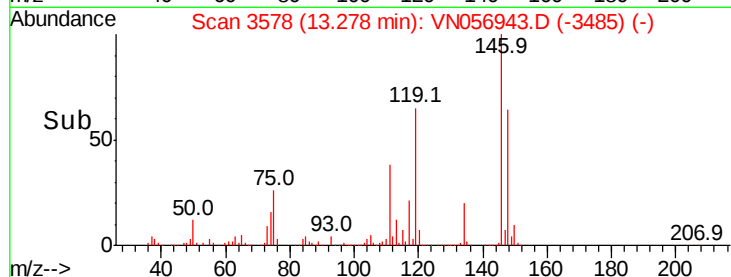
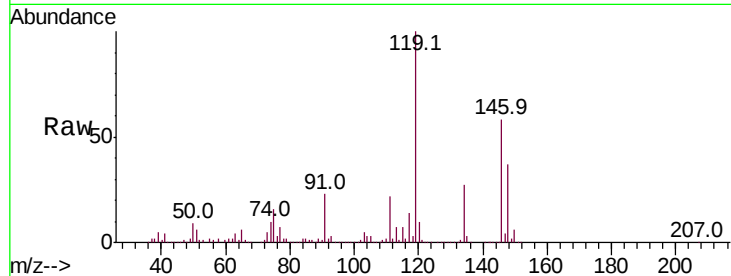
#87
 1,3-Dichlorobenzene
 Concen: 147.268 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN056943.D
 Acq: 26 Jul 2019 12:42

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion:146 Resp: 1951120
 Ion Ratio Lower Upper
 146 100
 111 38.0 18.6 55.8
 148 64.5 32.2 96.6

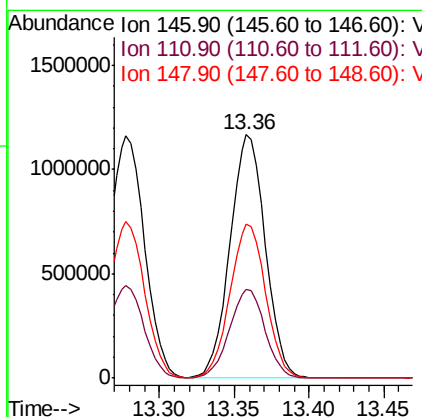
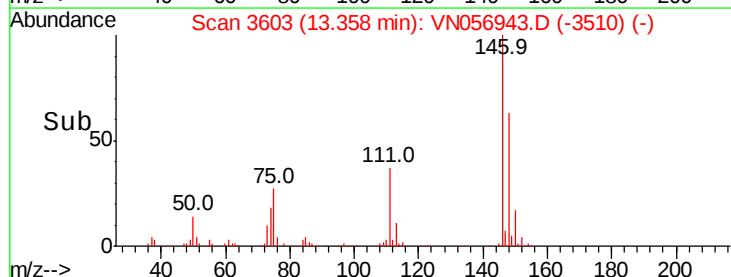
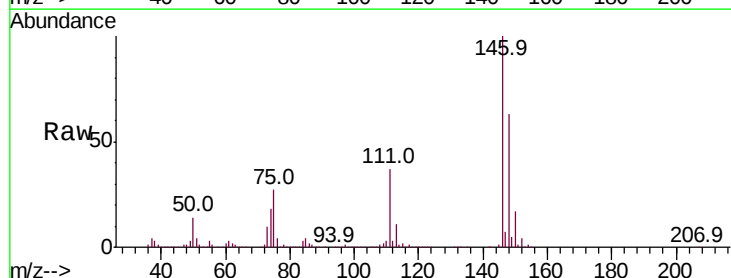
Manual Integrations
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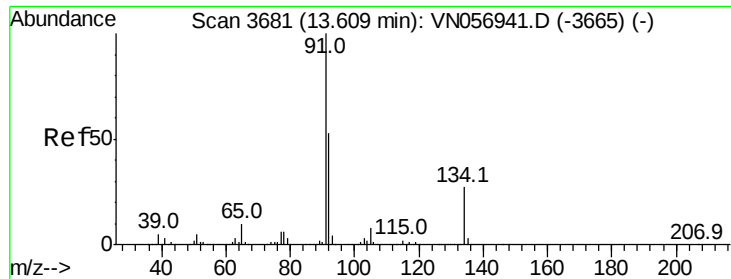
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#88
 1,4-Dichlorobenzene
 Concen: 150.457 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN056943.D
 Acq: 26 Jul 2019 12:42

Tgt Ion:146 Resp: 1914426
 Ion Ratio Lower Upper
 146 100
 111 36.6 18.4 55.2
 148 63.9 32.3 96.9





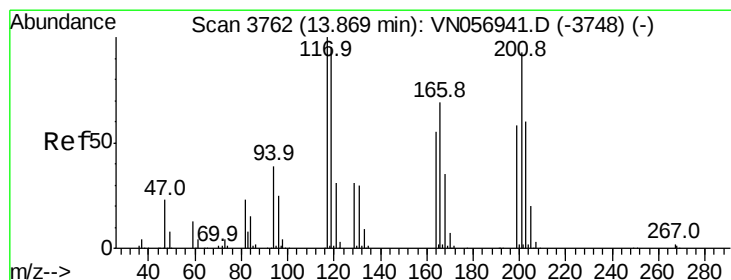
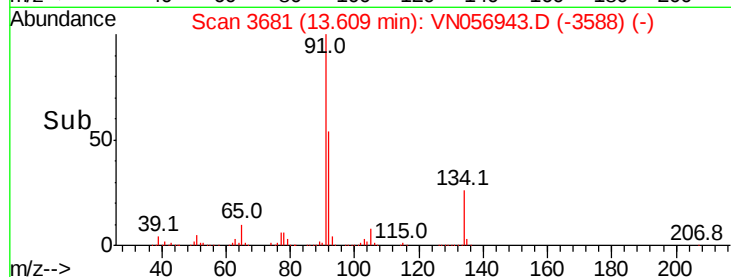
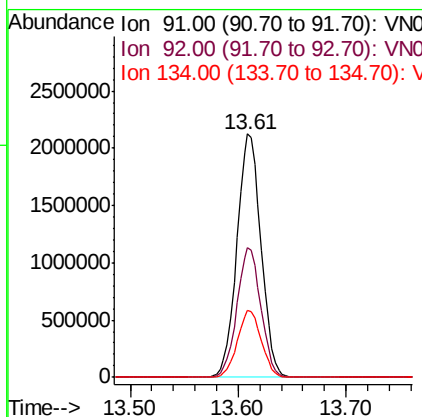
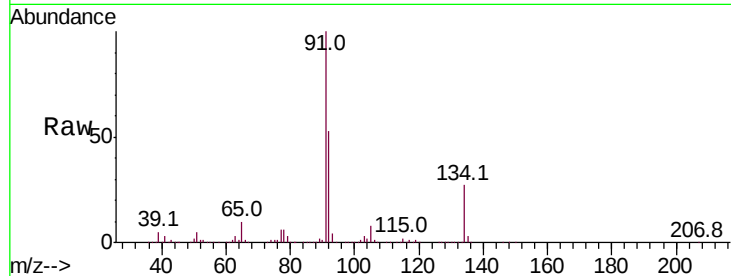
#89
n-Butylbenzene
Concen: 151.274 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. 0.00 min
Lab File: VN056943.D
Acq: 26 Jul 2019 12:42

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion: 91 Resp: 3295865
Ion Ratio Lower Upper
91 100
92 52.9 26.2 78.5
134 27.4 13.5 40.4

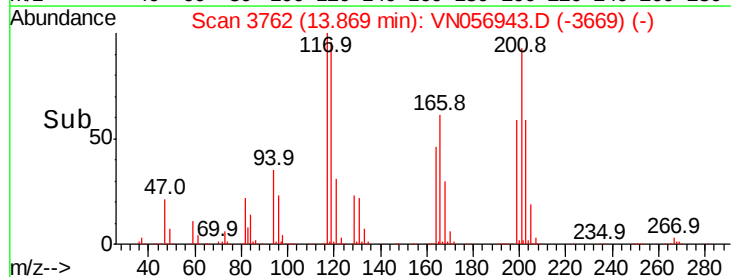
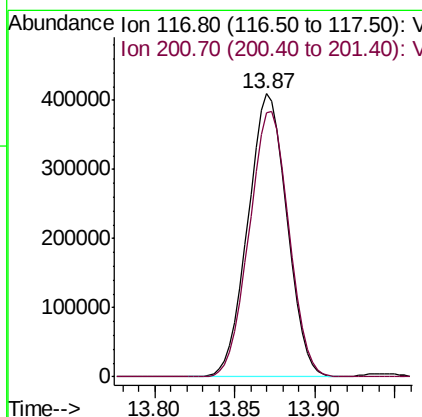
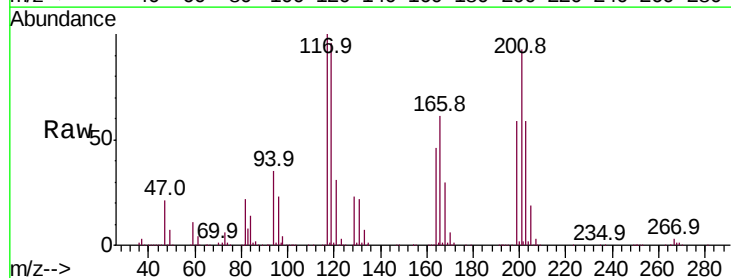
Manual Integrations
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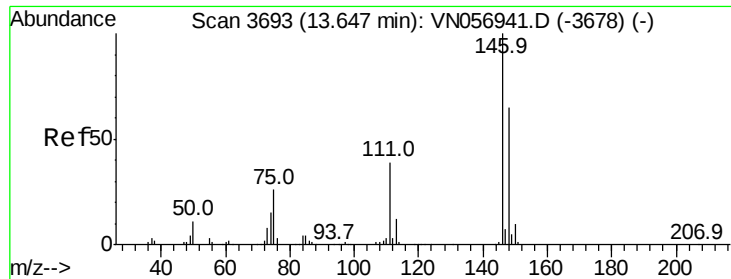
MMDadoda
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#90
Hexachloroethane
Concen: 136.834 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN056943.D
Acq: 26 Jul 2019 12:42

Tgt Ion: 117 Resp: 687094
Ion Ratio Lower Upper
117 100
201 95.1 47.0 141.2





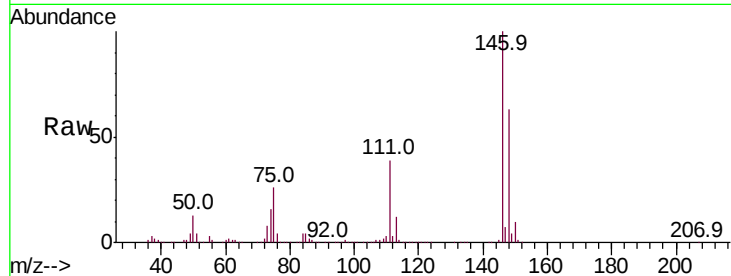
#91
 1,2-Dichlorobenzene
 Concen: 138.198 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. 0.00 min
 Lab File: VN056943.D
 Acq: 26 Jul 2019 12:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

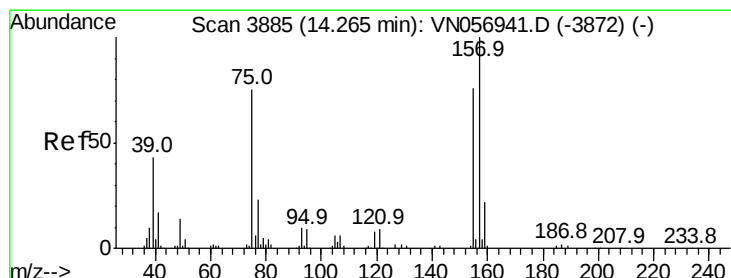
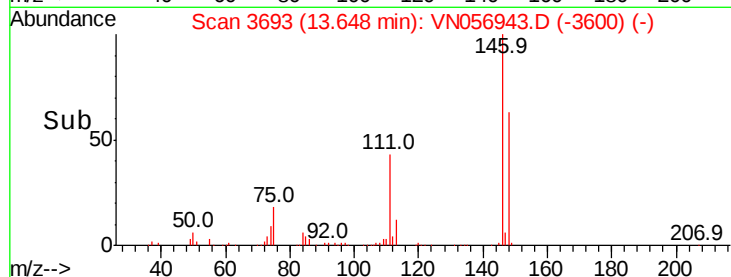
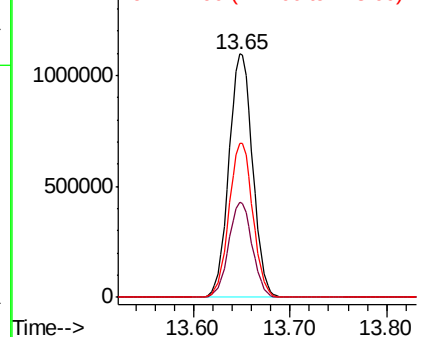
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.4	58.4
148	63.8	32.2	96.6

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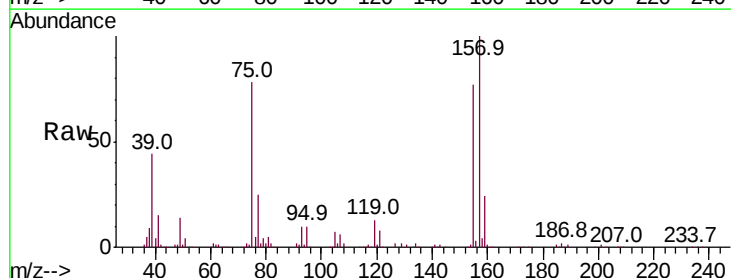


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

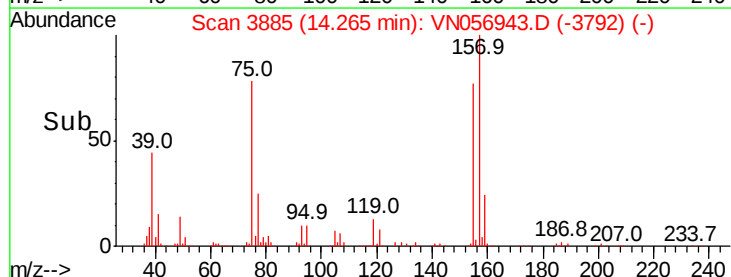
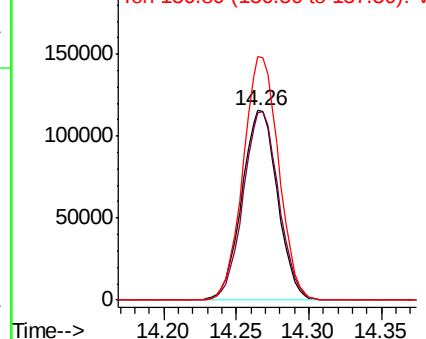


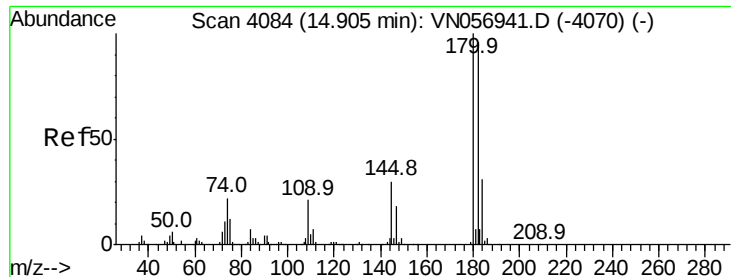
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 143.242 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN056943.D
 Acq: 26 Jul 2019 12:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.8	50.2	150.6
157	128.2	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





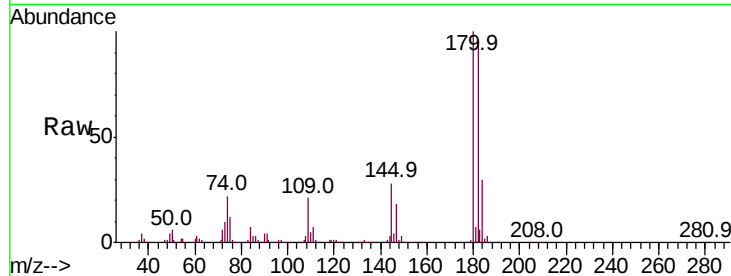
#93
 1,2,4-Trichlorobenzene
 Concen: 188.221 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN056943.D
 Acq: 26 Jul 2019 12:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

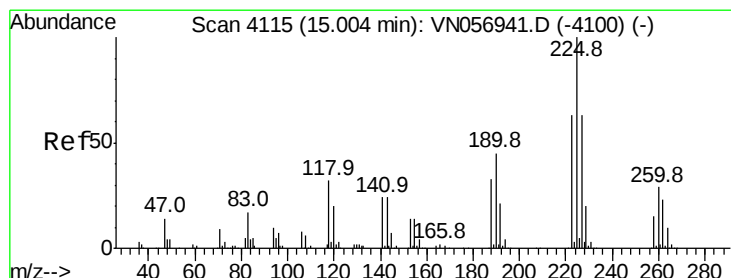
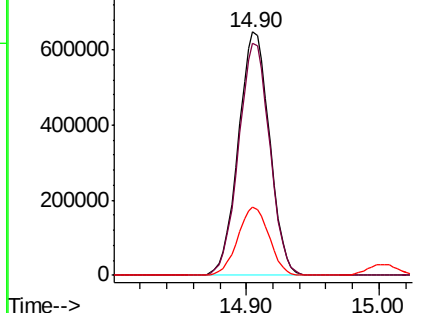
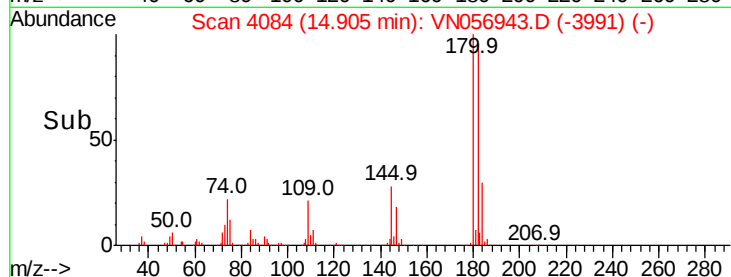
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.6	142.8
145	28.2	14.2	42.8

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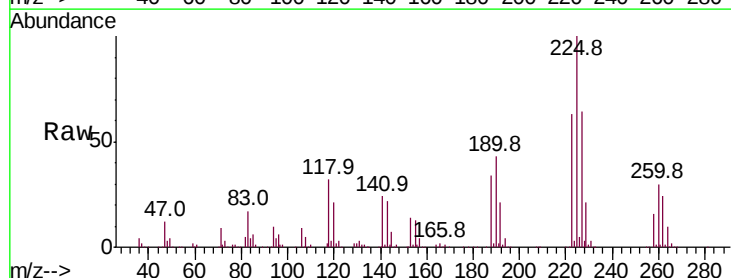


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

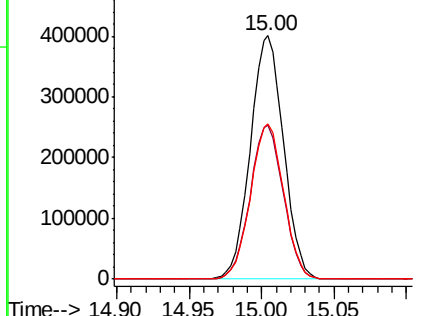
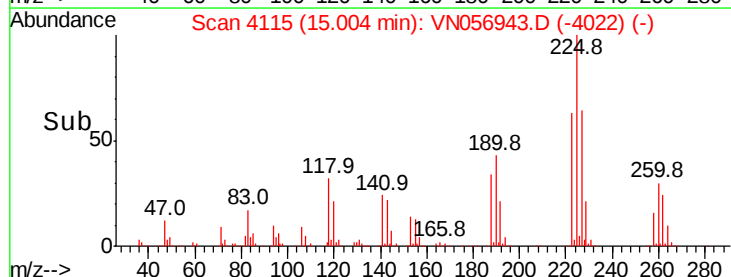


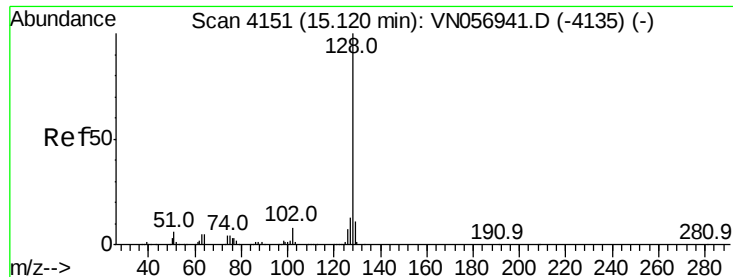
#94
 Hexachlorobutadiene
 Concen: 117.107 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. 0.00 min
 Lab File: VN056943.D
 Acq: 26 Jul 2019 12:42

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	30.8	92.4
227	63.9	31.1	93.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 185.224 ug/l

RT: 15.12 min Scan# 4151

Delta R.T. 0.00 min

Lab File: VN056943.D

Acq: 26 Jul 2019 12:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:128 Resp: 2586102

Ion Ratio Lower Upper

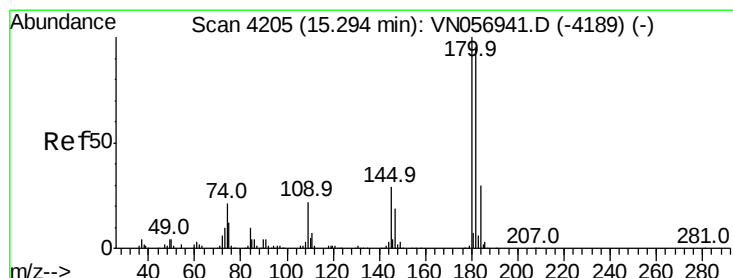
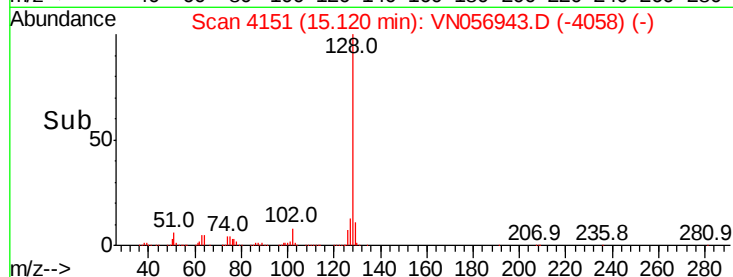
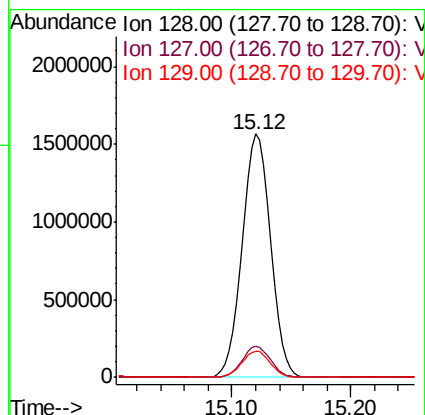
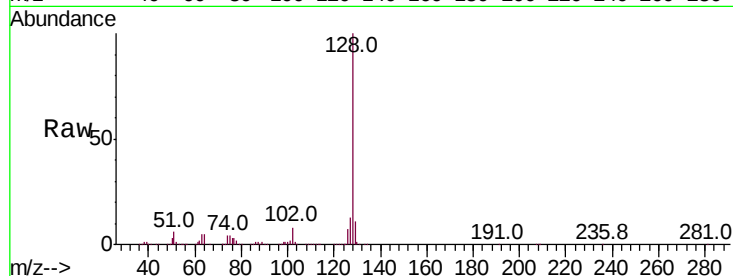
128 100

127 12.7 10.0 15.0

129 10.8 8.7 13.1

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#96

1,2,3-Trichlorobenzene

Concen: 174.212 ug/l

RT: 15.29 min Scan# 4204

Delta R.T. -0.00 min

Lab File: VN056943.D

Acq: 26 Jul 2019 12:42

Tgt Ion:180 Resp: 1048082

Ion Ratio Lower Upper

180 100

182 95.2 48.0 144.2

145 29.9 15.0 45.0

