

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072619\
 Data File : VN056922.D
 Acq On : 25 Jul 2019 15:02
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 7/26/2019 3:36:49 PM

Quant Time: Jul 26 03:30:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 26 03:12:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	470607	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	689715	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	604556	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	241373	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	92968	18.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.66%	
35) Dibromofluoromethane	7.57	113	86689	19.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.90%	
50) Toluene-d8	10.08	98	326142	19.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.40%	
62) 4-Bromofluorobenzene	12.40	95	100858	18.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	107726	20.741	ug/l	100
3) Chloromethane	2.05	50	119843	18.479	ug/l	99
4) Vinyl Chloride	2.17	62	111828	18.781	ug/l	97
5) Bromomethane	2.55	94	65349	17.947	ug/l	98
6) Chloroethane	2.69	64	62386	18.956	ug/l	99
7) Trichlorofluoromethane	3.00	101	148421	19.983	ug/l	100
8) Diethyl Ether	3.39	74	52232	18.791	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	87710	19.190	ug/l	98
10) Methyl Iodide	3.93	142	124669	20.365	ug/l	99
11) Tert butyl alcohol	4.76	59	61983	88.237	ug/l	100
12) 1,1-Dichloroethene	3.72	96	85965	18.833	ug/l	98
13) Acrolein	3.59	56	34930	64.598	ug/l	99
14) Allyl chloride	4.30	41	133702	17.849	ug/l	99
15) Acrylonitrile	4.96	53	191362	89.908	ug/l	100
16) Acetone	3.80	43	150911	82.697	ug/l	100
17) Carbon Disulfide	4.03	76	225732	18.211	ug/l	100
18) Methyl Acetate	4.30	43	105470	14.980	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	244402	18.158	ug/l	100
20) Methylene Chloride	4.53	84	98824	18.370	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	90122	18.895	ug/l	98
22) Diisopropyl ether	5.93	45	285380	18.856	ug/l	96
23) Vinyl Acetate	5.87	43	943405	86.817	ug/l	100
24) 1,1-Dichloroethane	5.83	63	166175	18.918	ug/l	100
25) 2-Butanone	6.82	43	231764	87.344	ug/l	99
26) 2,2-Dichloropropane	6.80	77	115266	18.480	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	103618	18.898	ug/l	99
28) Bromochloromethane	7.18	49	79788	19.966	ug/l	99
29) Tetrahydrofuran	7.19	42	159316	88.241	ug/l	99
30) Chloroform	7.36	83	165611	18.767	ug/l	100
31) Cyclohexane	7.63	56	156108	18.377	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	135167	18.935	ug/l	99
36) 1,1-Dichloropropene	7.77	75	122612	19.270	ug/l	99
37) Ethyl Acetate	6.91	43	95856	18.818	ug/l	99
38) Carbon Tetrachloride	7.76	117	115725	19.046	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	153373	19.184	ug/l	99
40) Benzene	8.02	78	381177	19.239	ug/l	99
41) Methacrylonitrile	7.15	41	36575	14.871	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	119634	19.327	ug/l	99
43) Isopropyl Acetate	8.15	43	155010	17.637	ug/l #	91
44) Trichloroethene	8.82	130	104166	19.519	ug/l	97
45) 1,2-Dichloropropane	9.11	63	100533	18.789	ug/l	99
46) Dibromomethane	9.19	93	62488	18.922	ug/l	99
47) Bromodichloromethane	9.39	83	118800	19.084	ug/l	99
48) Methyl methacrylate	9.19	41	74399	16.969	ug/l	99
49) 1,4-Dioxane	9.19	88	33352	384.980	ug/l	94
51) 4-Methyl-2-Pentanone	9.97	43	476432	91.096	ug/l	99
52) Toluene	10.15	92	235852	19.753	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	119487	18.786	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	141018	18.753	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	90458	19.081	ug/l	98
56) Ethyl methacrylate	10.42	69	119609	18.277	ug/l	100
57) 1,3-Dichloropropane	10.70	76	150740	19.224	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.68	63	262659	96.336	ug/l	99
59) 2-Hexanone	10.74	43	322284	88.754	ug/l	100
60) Dibromochloromethane	10.89	129	89835	18.876	ug/l	99
61) 1,2-Dibromoethane	11.00	107	91334	19.441	ug/l	99
64) Tetrachloroethene	10.62	164	111867	21.241	ug/l	98
65) Chlorobenzene	11.43	112	247969	19.640	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	91022	19.108	ug/l	99
67) Ethyl Benzene	11.50	91	431835	19.792	ug/l	100
68) m/p-Xylenes	11.61	106	324816	39.754	ug/l	100
69) o-Xylene	11.94	106	154128	19.369	ug/l	96
70) Styrene	11.96	104	254800	20.079	ug/l	99
71) Bromoform	12.12	173	59804	18.237	ug/l #	99
73) Isopropylbenzene	12.24	105	418350	19.663	ug/l	99
74) N-amyl acetate	12.06	43	115766	16.438	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	111381	17.815	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	96322m	18.935	ug/l	
77) Bromobenzene	12.52	156	106055	19.980	ug/l	99
78) n-propylbenzene	12.59	91	451087	20.098	ug/l	100
79) 2-Chlorotoluene	12.67	91	273634	19.510	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	351874	19.845	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	27044	17.299	ug/l	90
82) 4-Chlorotoluene	12.77	91	257244	19.312	ug/l	99
83) tert-Butylbenzene	12.99	119	303276	19.537	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	340037	20.128	ug/l	100
85) sec-Butylbenzene	13.17	105	395661	19.918	ug/l	100
86) p-Isopropyltoluene	13.28	119	351404	19.828	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	165978	19.471	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	159126	19.297	ug/l	99
89) n-Butylbenzene	13.61	91	267576	19.696	ug/l	98
90) Hexachloroethane	13.87	117	56062	18.291	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	167205	19.567	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	15382	16.624	ug/l	95

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Quant Title : SW846 8260
QLast Update : Fri Jul 26 03:12:32 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	63154	17.184	ug/l	99
94) Hexachlorobutadiene	15.00	225	65191	19.402	ug/l	99
95) Naphthalene	15.12	128	144766	15.020	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	70538	17.367	ug/l	99

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

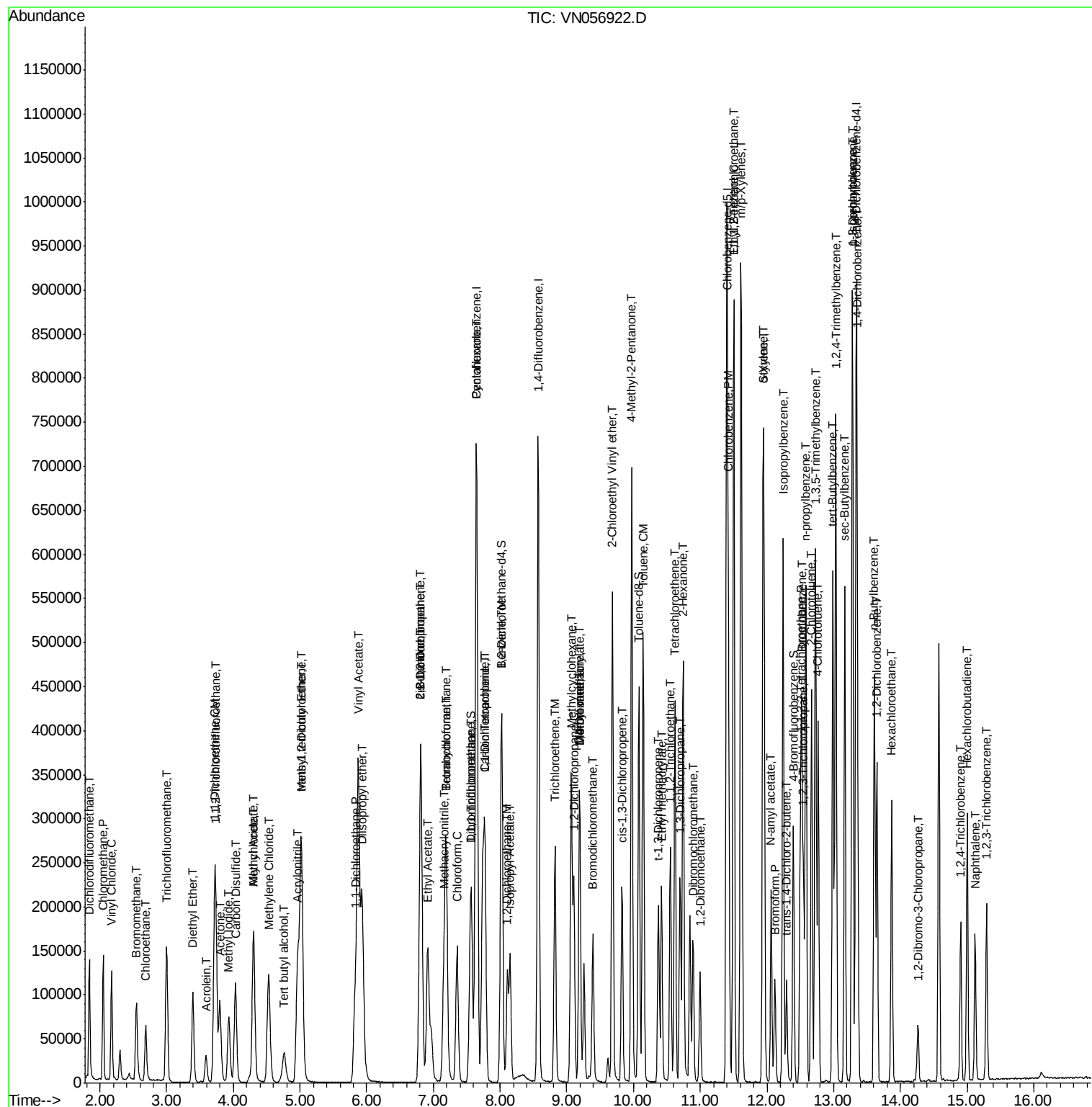
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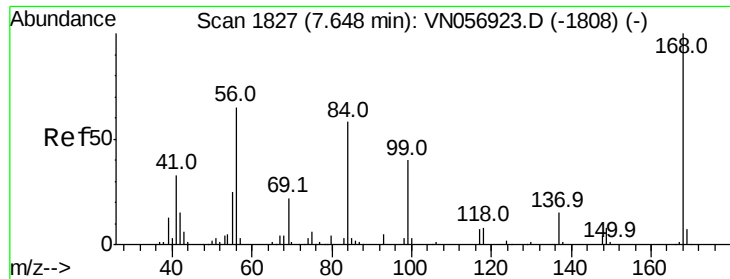
Instrument :
MSVOA_N
Client Sample Id :
VSTDICC020

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN056922.D

Acq: 25 Jul 2019 15:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 470607

Ion Ratio Lower Upper

168 100

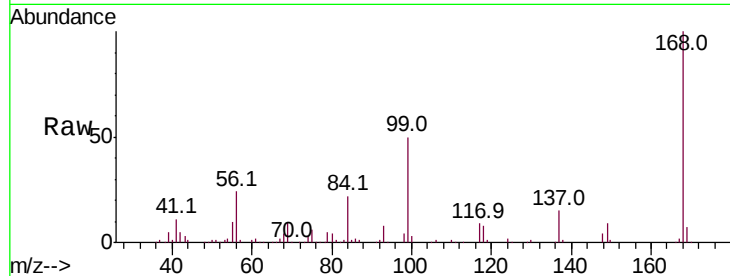
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Manual Integrations

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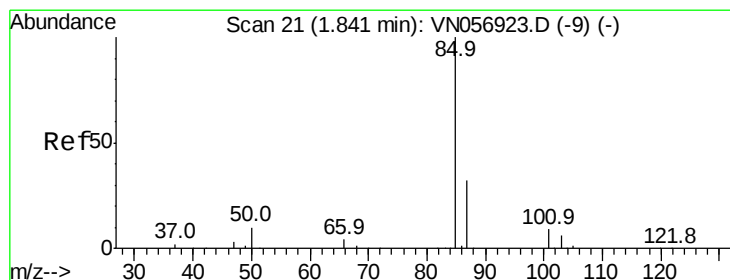
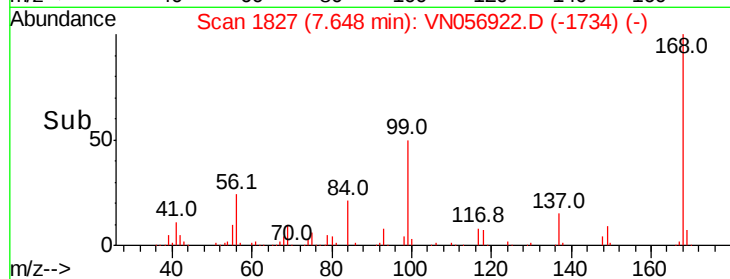
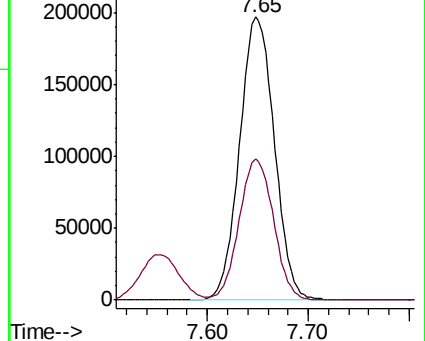
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 20.741 ug/l

RT: 1.84 min Scan# 21

Delta R.T. -0.00 min

Lab File: VN056922.D

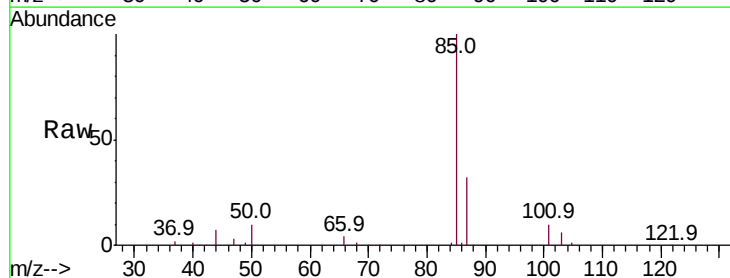
Acq: 25 Jul 2019 15:02

Tgt Ion: 85 Resp: 107726

Ion Ratio Lower Upper

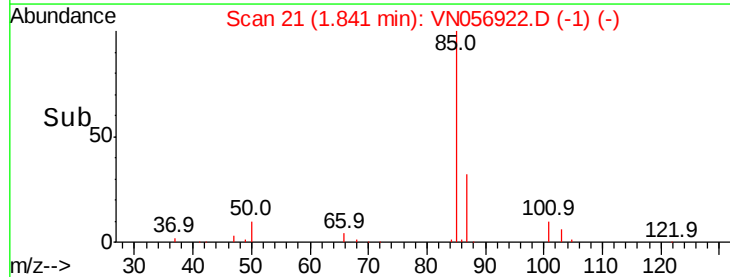
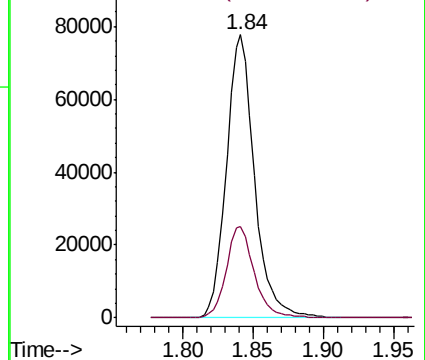
85 100

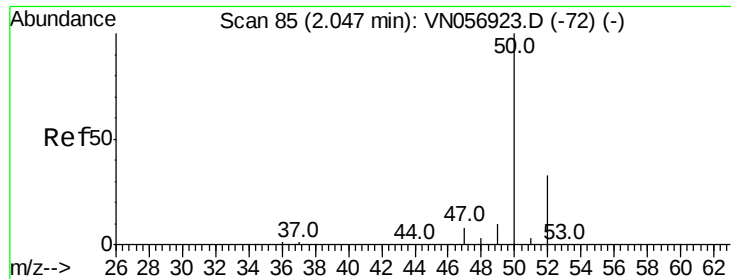
87 32.3 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





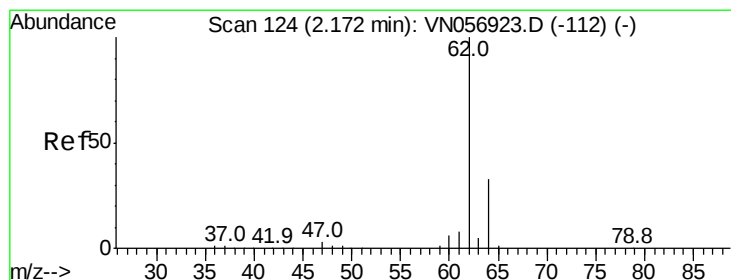
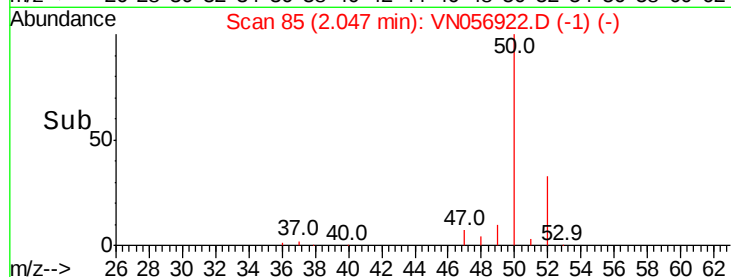
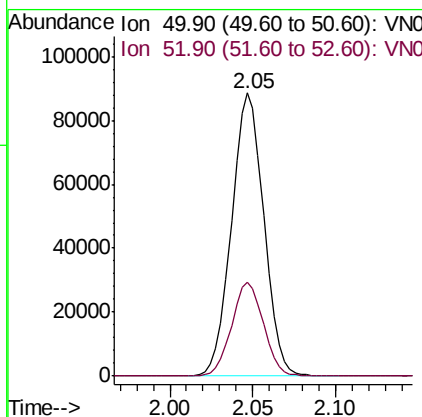
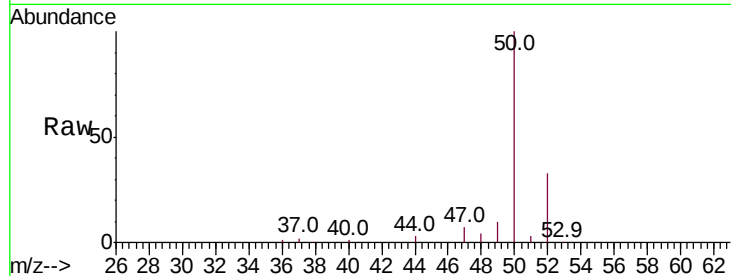
#3
Chloromethane
Concen: 18.479 ug/l
RT: 2.05 min Scan# 85
Delta R.T. -0.00 min
Lab File: VN056922.D
Acq: 25 Jul 2019 15:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 50 Resp: 119843
Ion Ratio Lower Upper
50 100
52 33.0 26.8 40.2

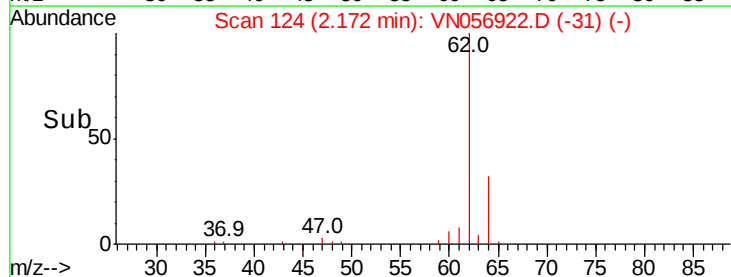
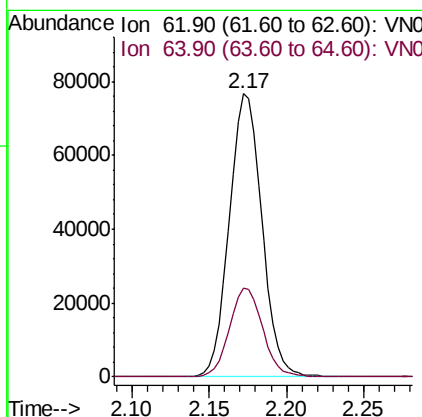
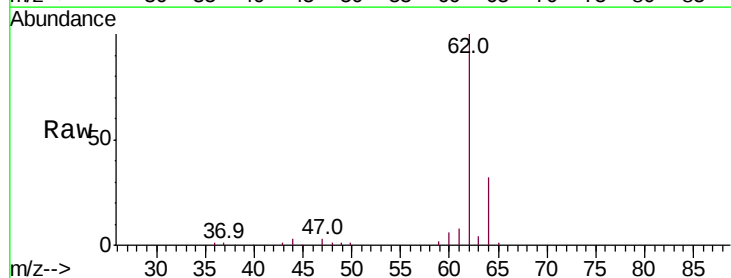
Manual Integrations
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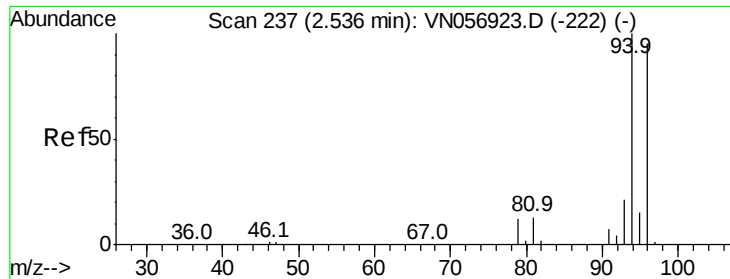
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#4
Vinyl Chloride
Concen: 18.781 ug/l
RT: 2.17 min Scan# 124
Delta R.T. -0.00 min
Lab File: VN056922.D
Acq: 25 Jul 2019 15:02

Tgt Ion: 62 Resp: 111828
Ion Ratio Lower Upper
62 100
64 31.5 26.4 39.6





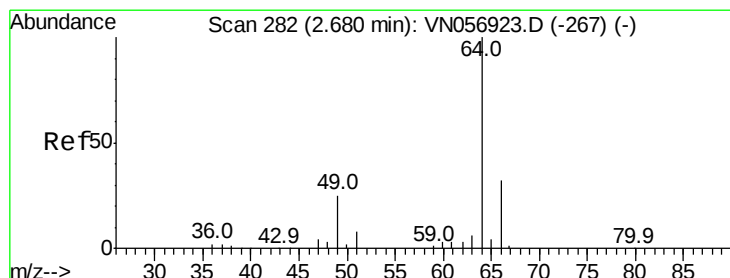
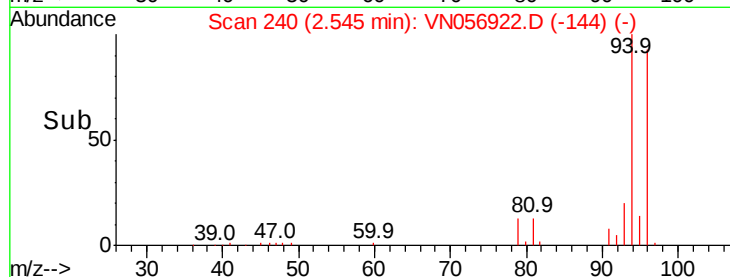
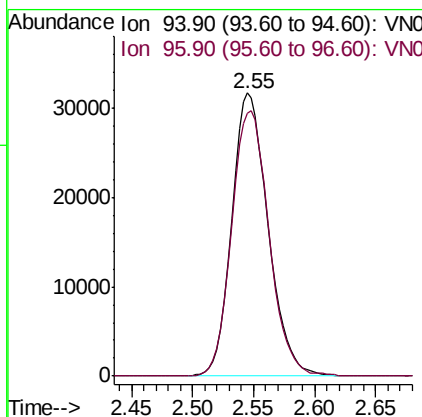
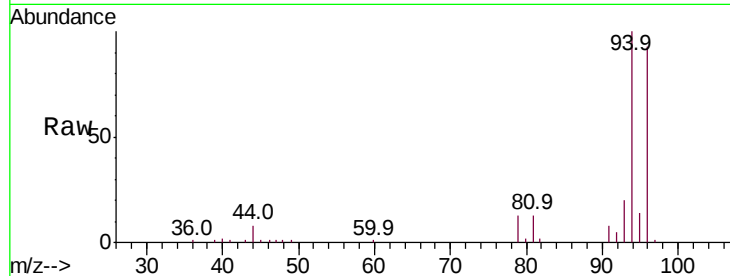
#5
Bromomethane
Concen: 17.947 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.01 min
Lab File: VN056922.D
Acq: 25 Jul 2019 15:02

Instrument :
MSVOA_N
ClientSampleId :
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Tot Ion: 94 Resp: 65349
Ion Ratio Lower Upper
94 100
96 92.7 75.7 113.5

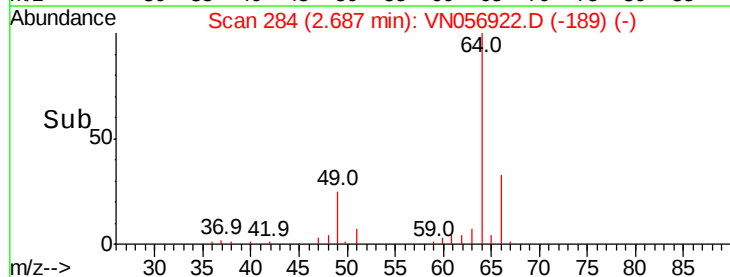
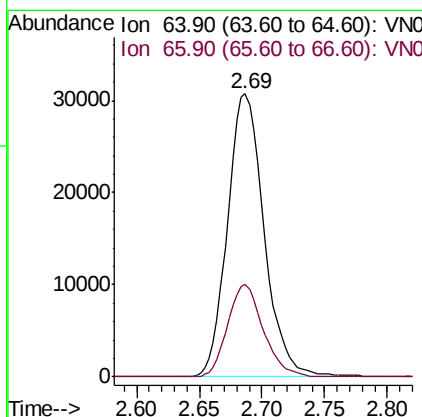
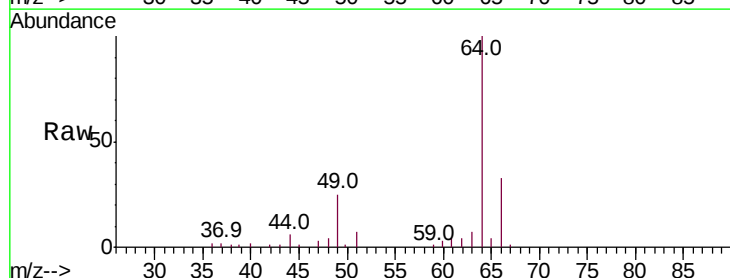
Manual Integrations
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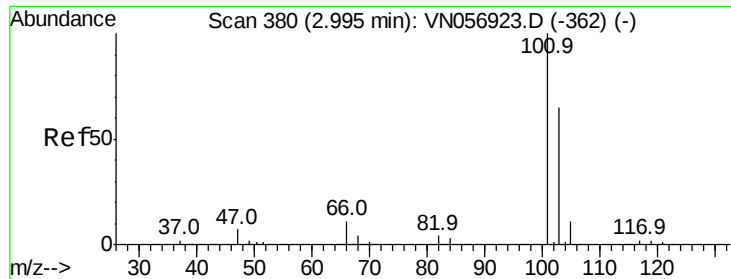
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#6
Chloroethane
Concen: 18.956 ug/l
RT: 2.69 min Scan# 284
Delta R.T. 0.01 min
Lab File: VN056922.D
Acq: 25 Jul 2019 15:02

Tgt Ion: 64 Resp: 62386
Ion Ratio Lower Upper
64 100
66 32.8 25.8 38.6





#7

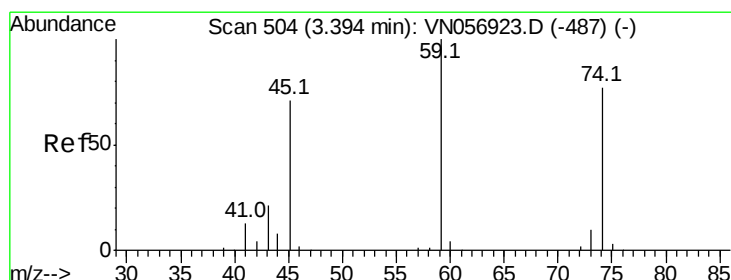
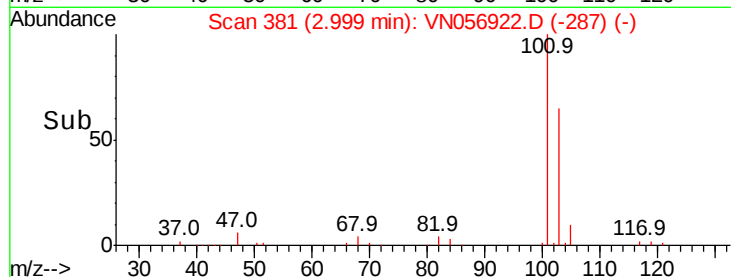
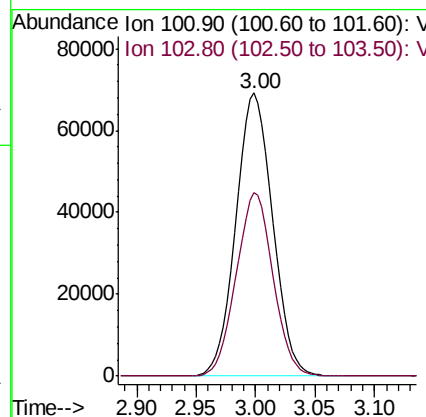
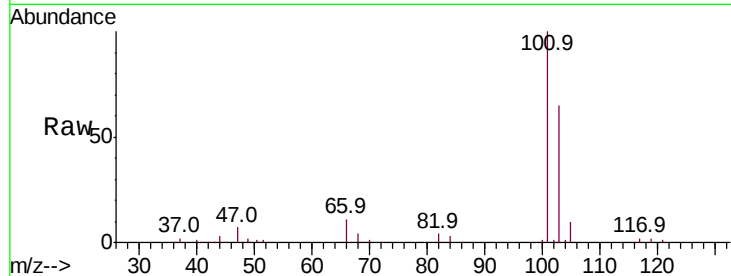
Trichlorofluoromethane
 Concen: 19.983 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VN056922.D
 Acq: 25 Jul 2019 15:02

Instrument :
 MSVOA_N
 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	52.0	78.0

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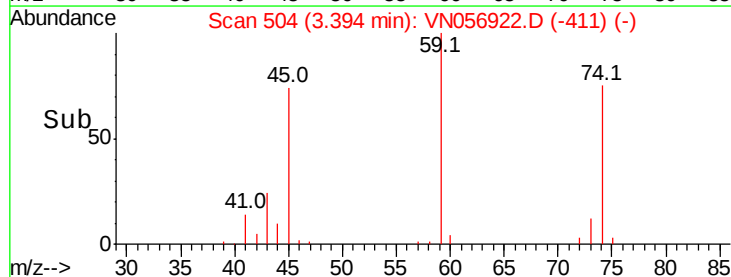
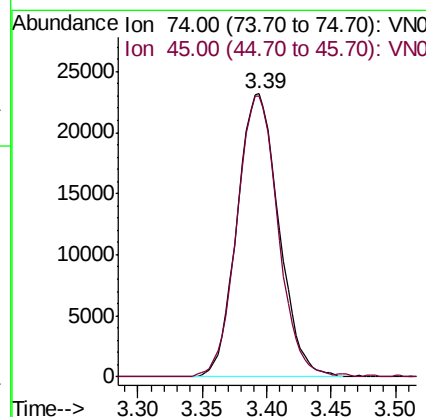
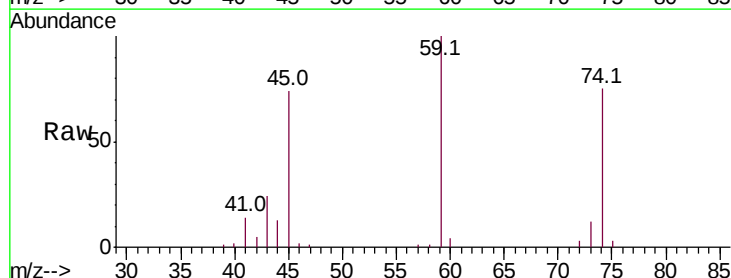
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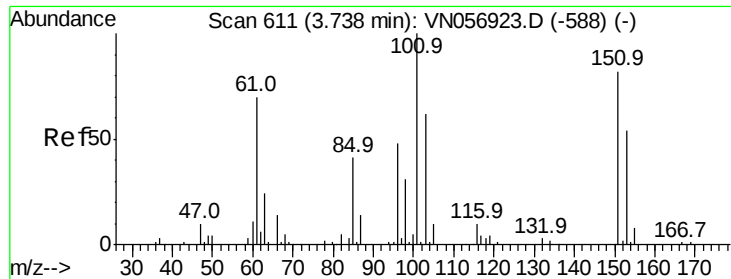


#8

Diethyl Ether
 Concen: 18.791 ug/l
 RT: 3.39 min Scan# 504
 Delta R.T. -0.00 min
 Lab File: VN056922.D
 Acq: 25 Jul 2019 15:02

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.6	48.1	144.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.190 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN056922.D

Acq: 25 Jul 2019 15:02

Instrument :

MSVOA_N

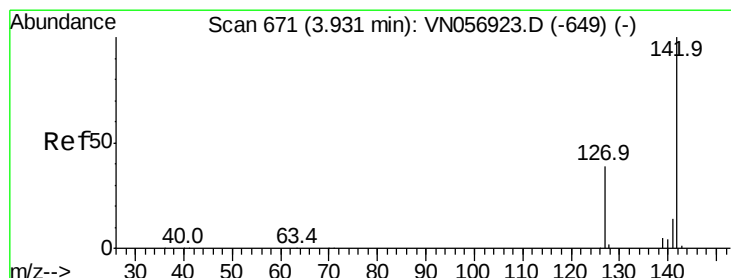
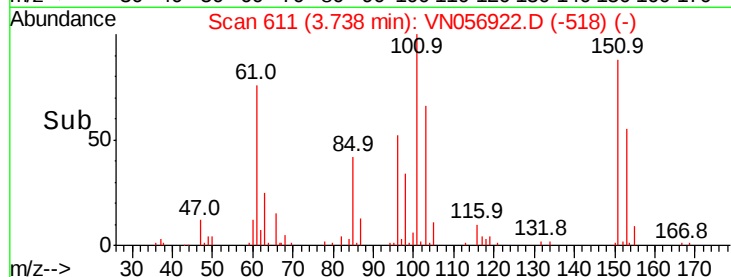
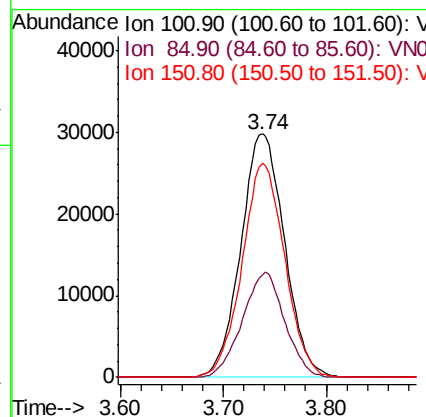
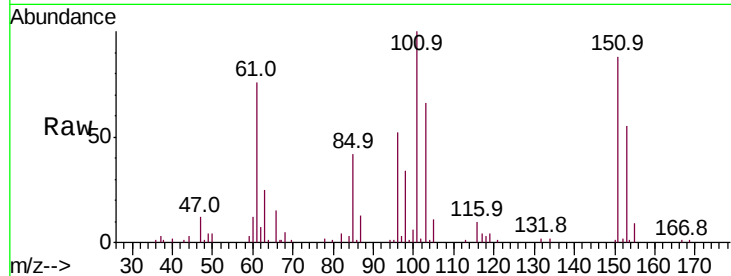
ClientSampleId :

VSTDIC020

Tot Ion	Ratio	Lower	Upper
101	100		
85	41.6	32.7	49.1
151	85.8	67.4	101.0

Manual Integrations
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MMDadoda
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#10

Methyl Iodide

Concen: 20.365 ug/l

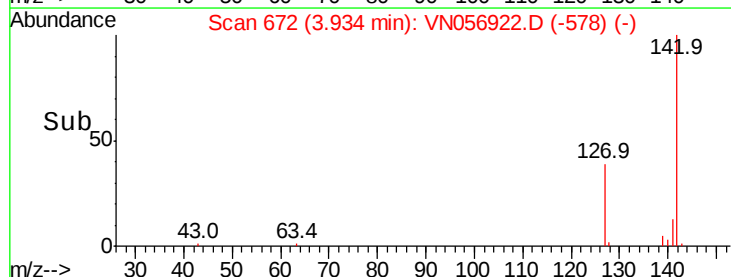
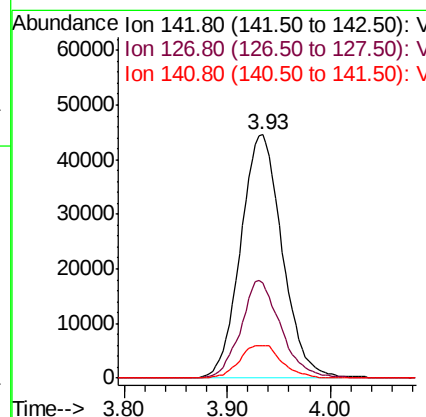
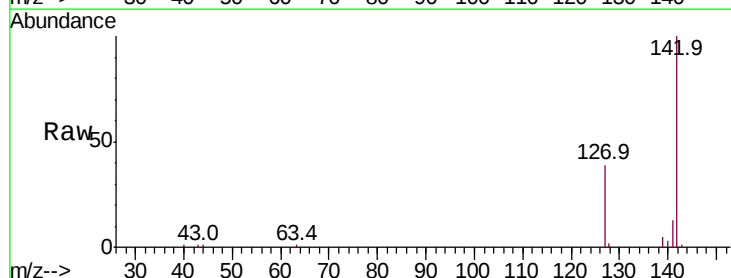
RT: 3.93 min Scan# 672

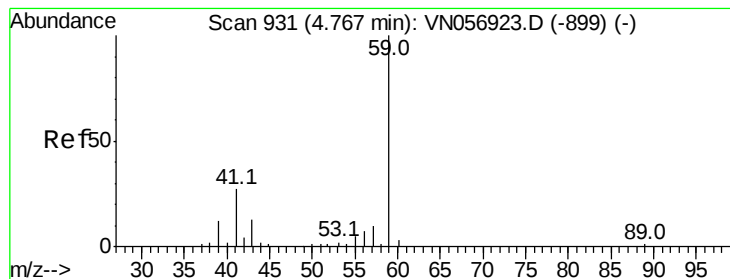
Delta R.T. 0.00 min

Lab File: VN056922.D

Acq: 25 Jul 2019 15:02

Tgt Ion	Ratio	Lower	Upper
142	100		
127	38.7	30.5	45.7
141	13.6	11.1	16.7





#11

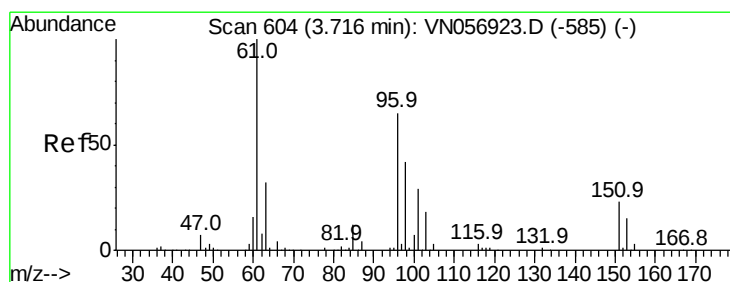
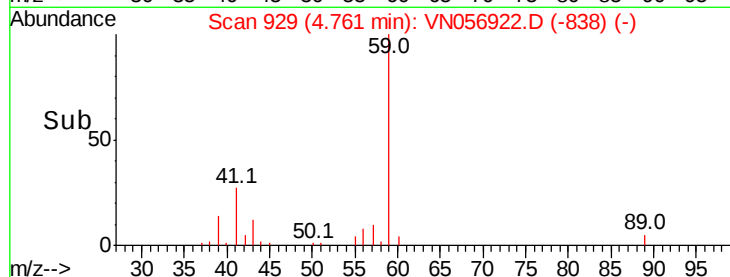
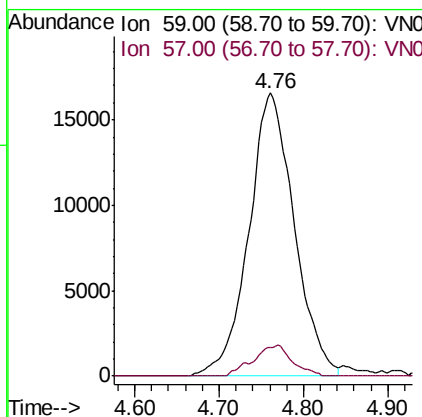
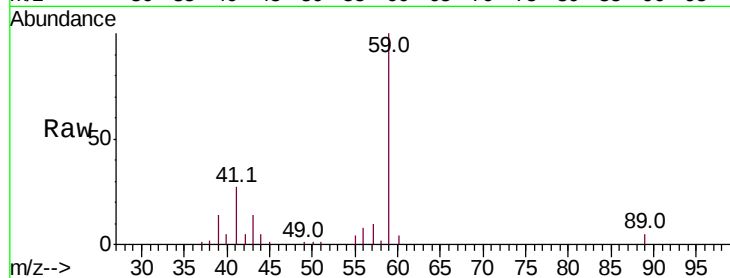
Tert butyl alcohol
 Concen: 88.237 ug/l
 RT: 4.76 min Scan# 929
 Delta R.T. -0.01 min
 Lab File: VN056922.D
 Acq: 25 Jul 2019 15:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.3	7.6	11.4

Manual Integrations
 APPROVED

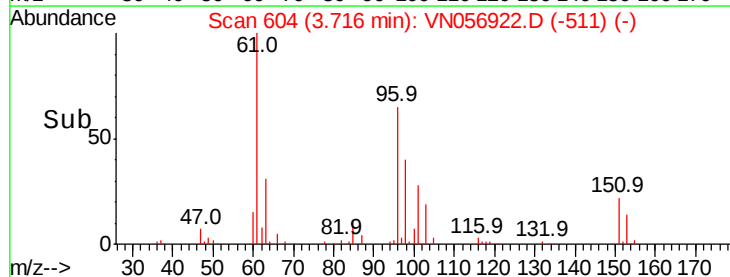
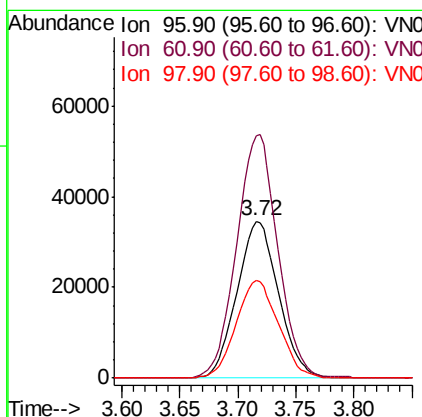
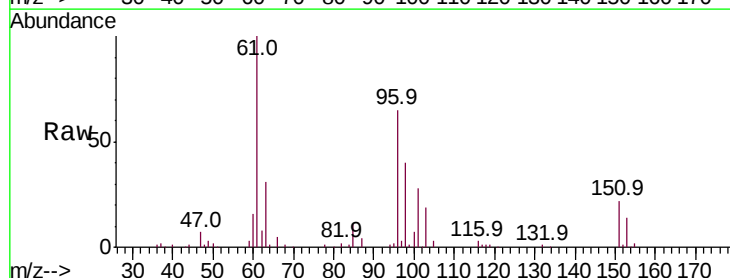
MMDadoda
 7/26/2019 3:36:49 PM

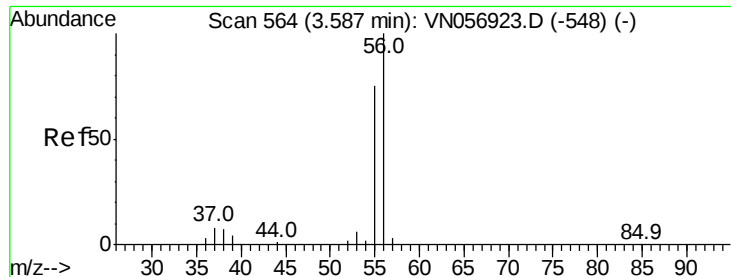


#12

1,1-Dichloroethene
 Concen: 18.833 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: VN056922.D
 Acq: 25 Jul 2019 15:02

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.6	122.4	183.6
98	62.0	51.3	76.9





#13

Acrolein

Concen: 64.598 ug/l

RT: 3.59 min Scan# 565

Delta R.T. 0.00 min

Lab File: VN056922.D

Acq: 25 Jul 2019 15:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 34930

Ion Ratio Lower Upper

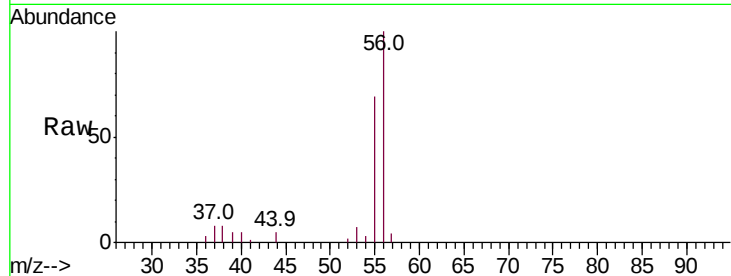
56 100

55 72.7 57.5 86.3

Manual Integrations
APPROVED

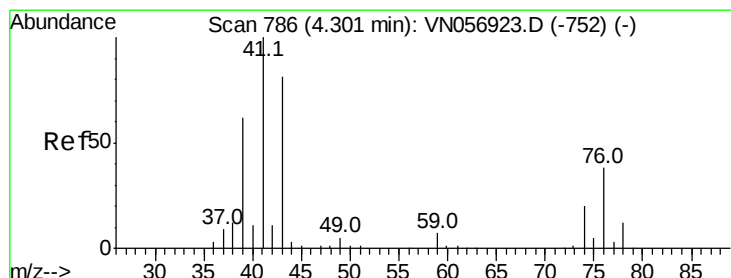
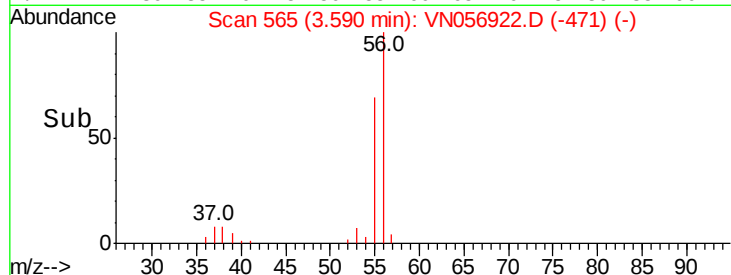
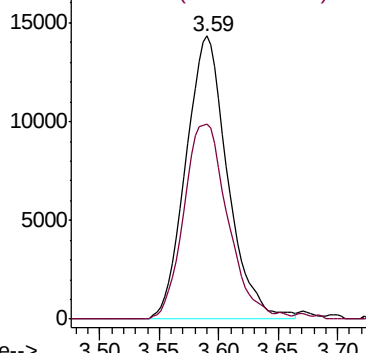
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 17.849 ug/l

RT: 4.30 min Scan# 786

Delta R.T. -0.00 min

Lab File: VN056922.D

Acq: 25 Jul 2019 15:02

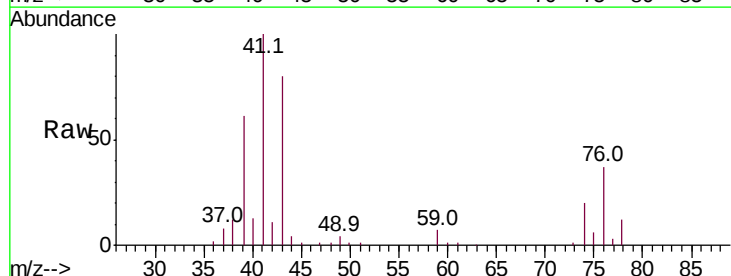
Tgt Ion: 41 Resp: 133702

Ion Ratio Lower Upper

41 100

39 60.6 47.5 71.3

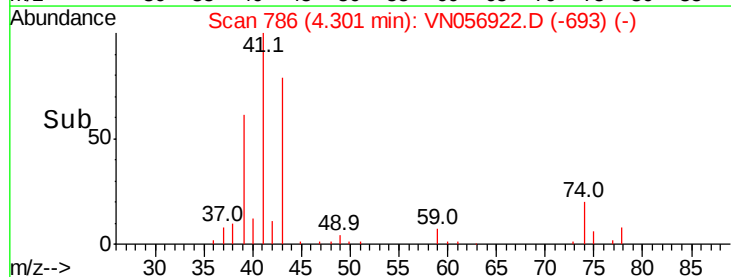
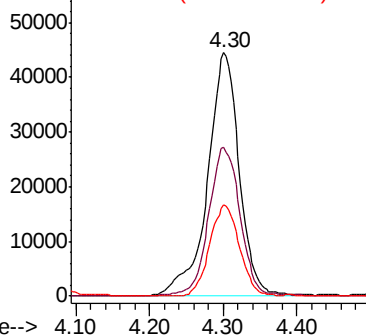
76 35.0 28.0 42.0

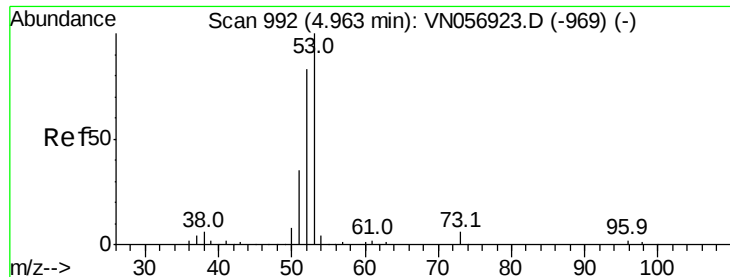


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 89.908 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN056922.D

Acq: 25 Jul 2019 15:02

Instrument :

MSVOA_N

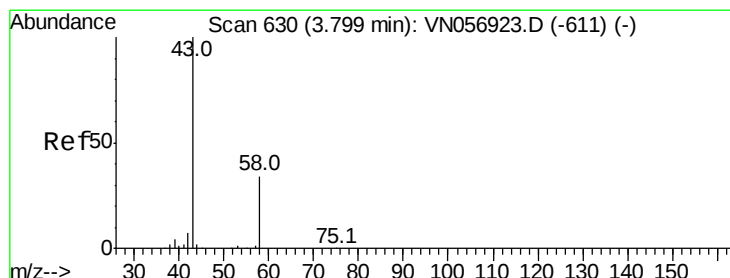
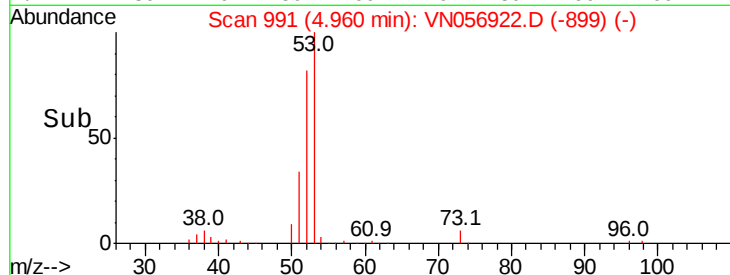
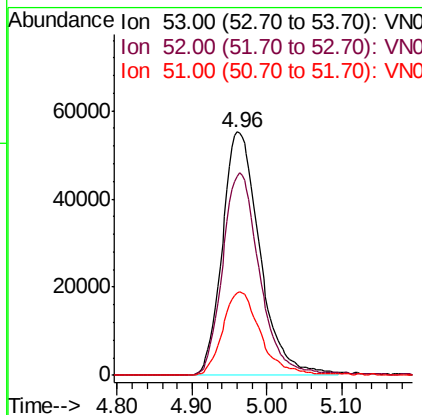
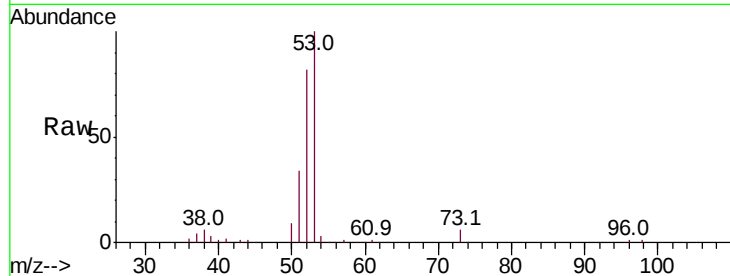
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	191362
Ion	Ratio	Lower	Upper
53	100		
52	82.0	65.5	98.3
51	34.8	28.1	42.1

Manual Integrations
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MMDadoda
7/26/2019 3:36:49 PM



#16

Acetone

Concen: 82.697 ug/l

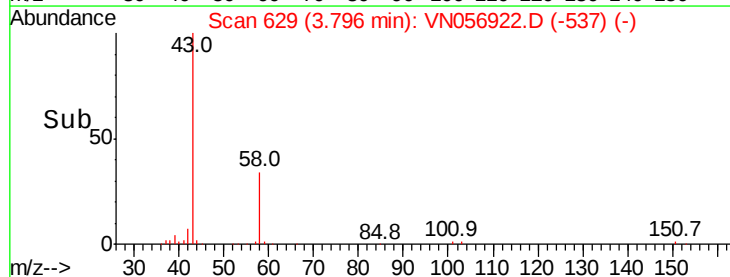
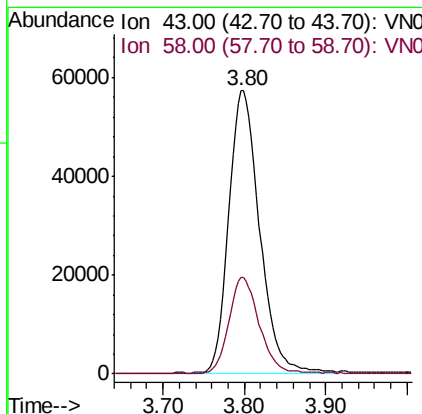
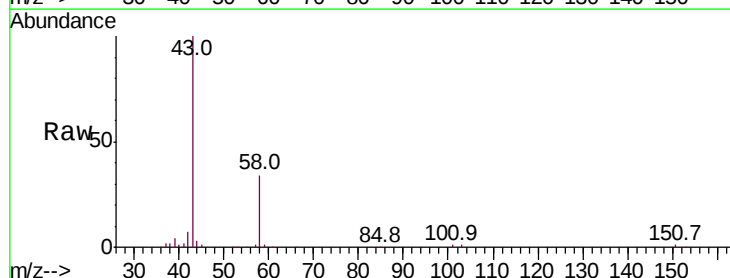
RT: 3.80 min Scan# 629

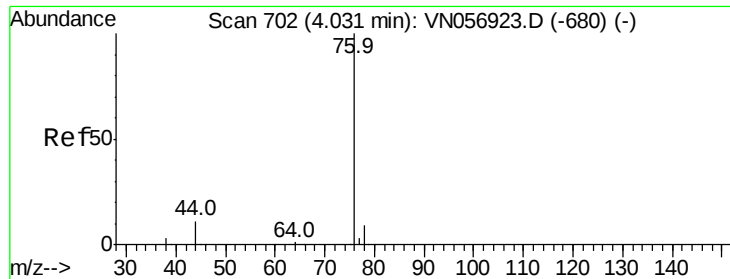
Delta R.T. -0.00 min

Lab File: VN056922.D

Acq: 25 Jul 2019 15:02

Tgt Ion:	43	Resp:	150911
Ion	Ratio	Lower	Upper
43	100		
58	34.1	27.3	40.9





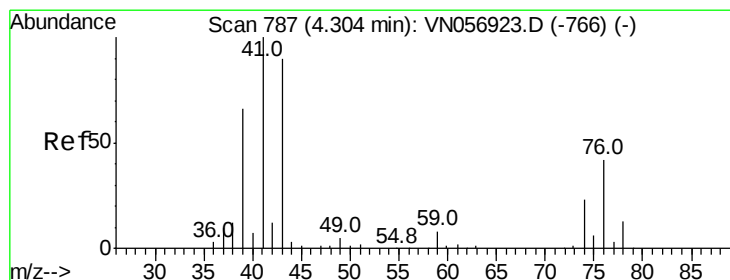
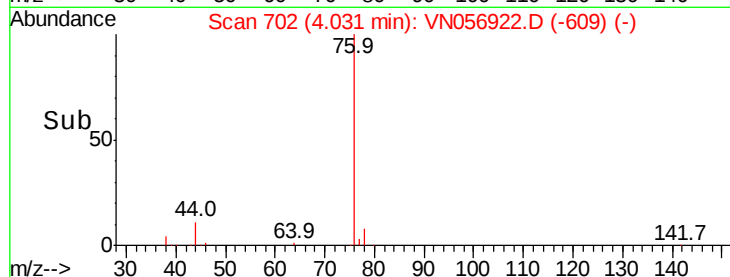
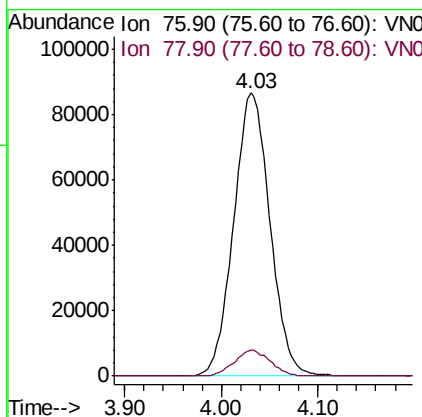
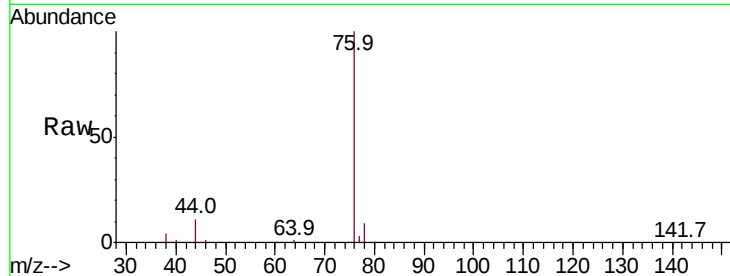
#17
Carbon Disulfide
Concen: 18.211 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN056922.D
Acq: 25 Jul 2019 15:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.3	10.9

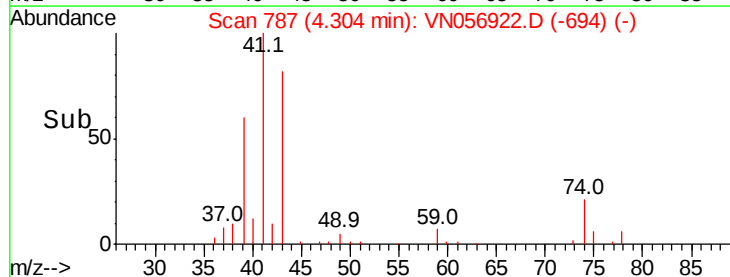
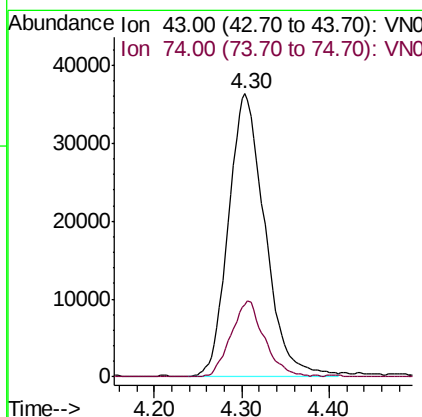
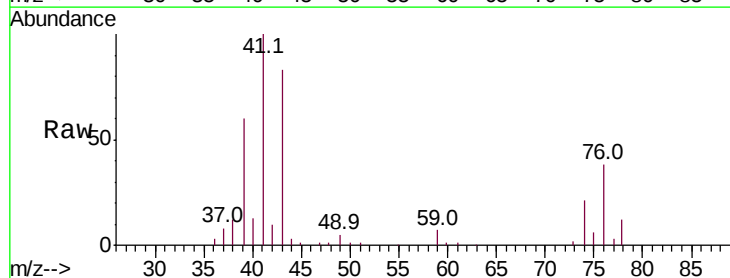
Manual Integrations
APPROVED

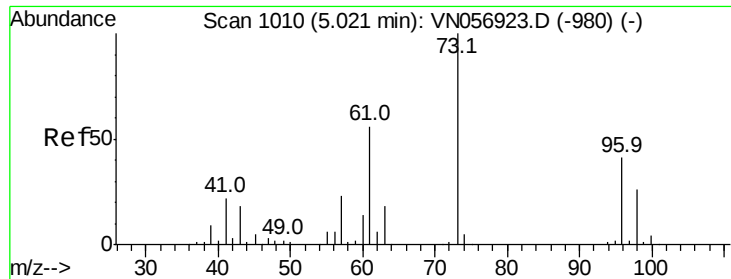
MMDadoda
7/26/2019 3:36:49 PM



#18
Methyl Acetate
Concen: 14.980 ug/l
RT: 4.30 min Scan# 787
Delta R.T. -0.00 min
Lab File: VN056922.D
Acq: 25 Jul 2019 15:02

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.5	19.4	29.0





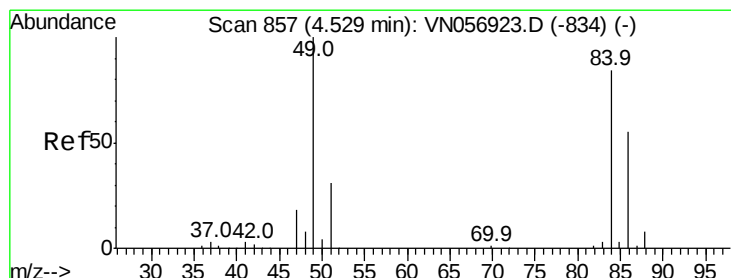
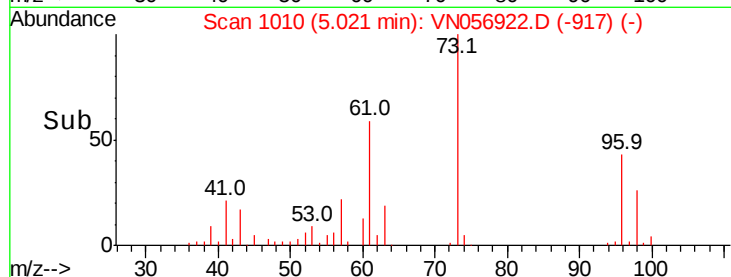
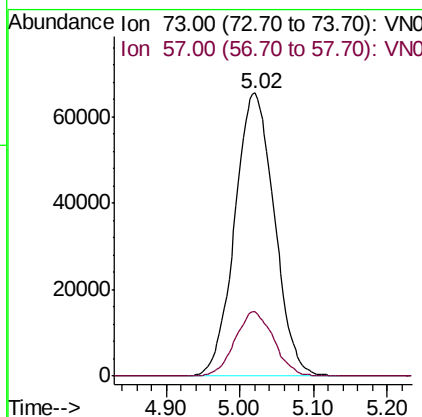
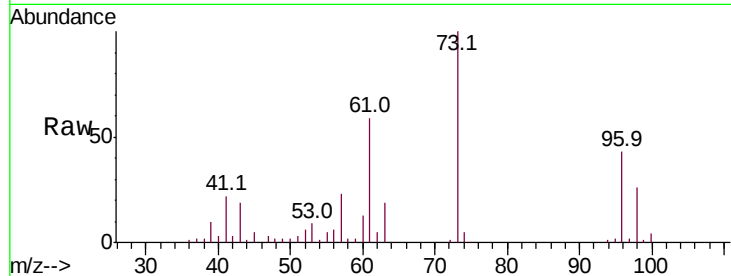
#19
Methvl tert-butvl Ether
Concen: 18.158 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VN056922.D
Acq: 25 Jul 2019 15:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 73 Resp: 244402
Ion Ratio Lower Upper
73 100
57 22.6 18.2 27.4

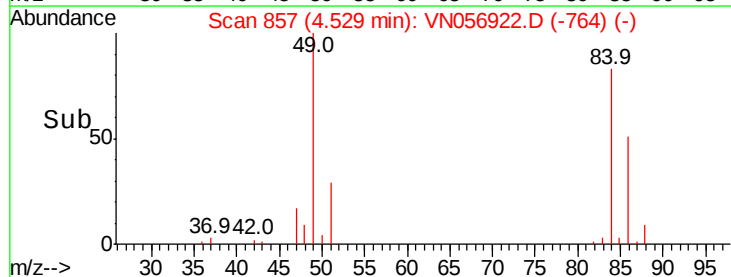
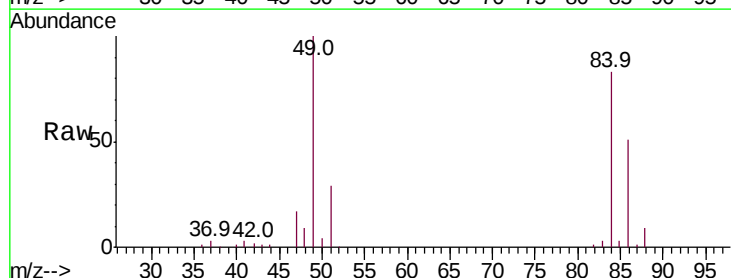
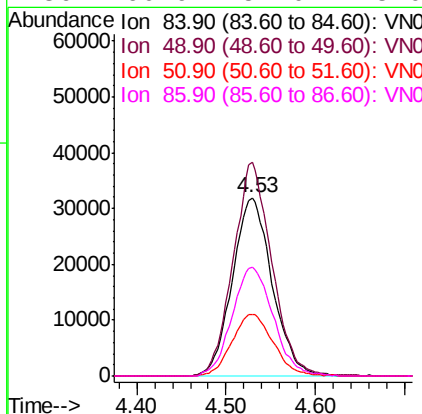
Manual Integrations
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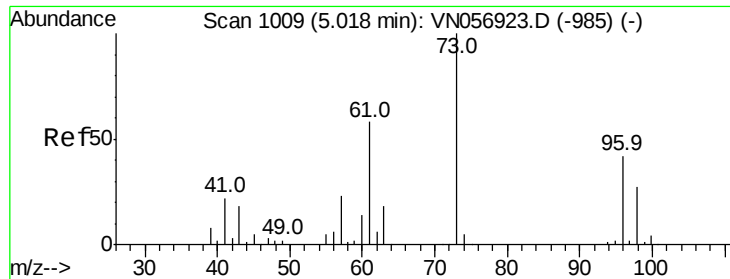
MMDadoda
7/26/2019 3:36:49 PM



#20
Methylene Chloride
Concen: 18.370 ug/l
RT: 4.53 min Scan# 857
Delta R.T. -0.00 min
Lab File: VN056922.D
Acq: 25 Jul 2019 15:02

Tgt Ion: 84 Resp: 98824
Ion Ratio Lower Upper
84 100
49 119.8 95.0 142.6
51 34.8 29.8 44.8
86 60.9 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 18.895 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. -0.00 min

Lab File: VN056922.D

Acq: 25 Jul 2019 15:02

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 96 Resp: 90122

Ion Ratio Lower Upper

96 100

61 134.4 109.9 164.9

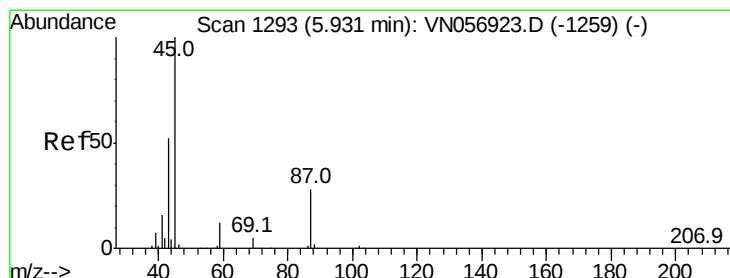
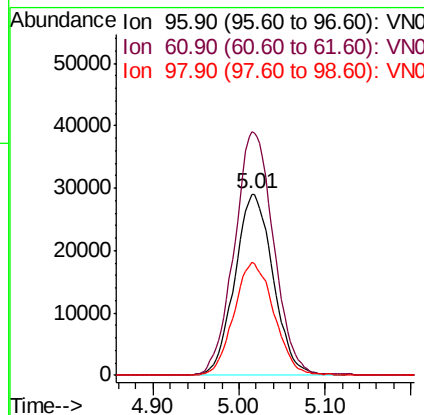
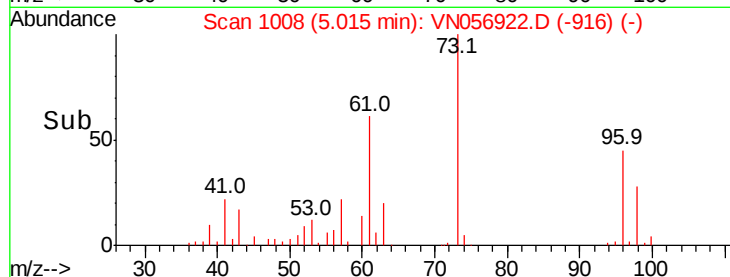
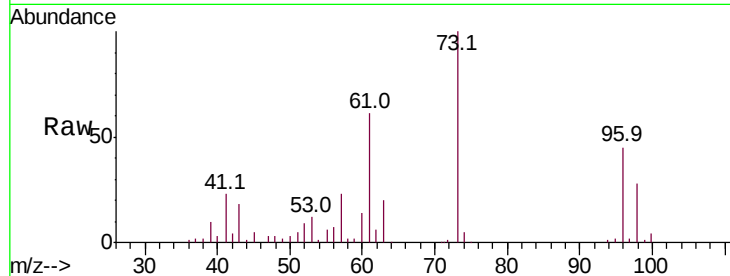
98 62.1 51.0 76.4

Manual Integrations

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MMDadoda

7/26/2019 3:36:49 PM



#22

Diisopropyl ether

Concen: 18.856 ug/l

RT: 5.93 min Scan# 1292

Delta R.T. -0.00 min

Lab File: VN056922.D

Acq: 25 Jul 2019 15:02

Tgt Ion: 45 Resp: 285380

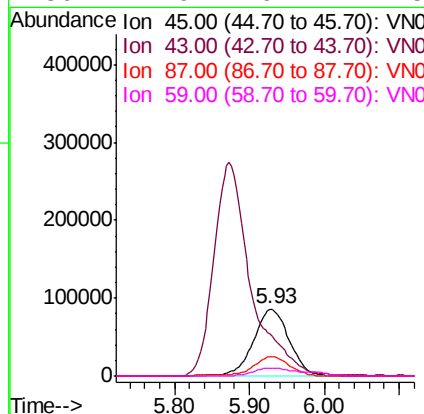
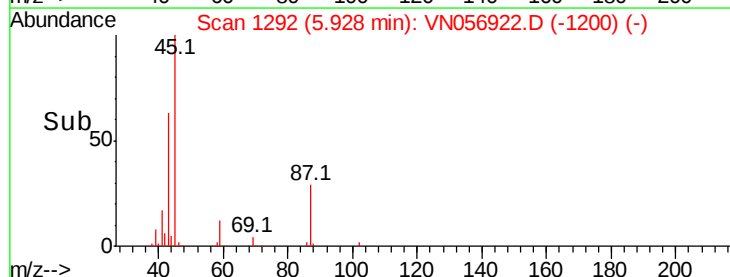
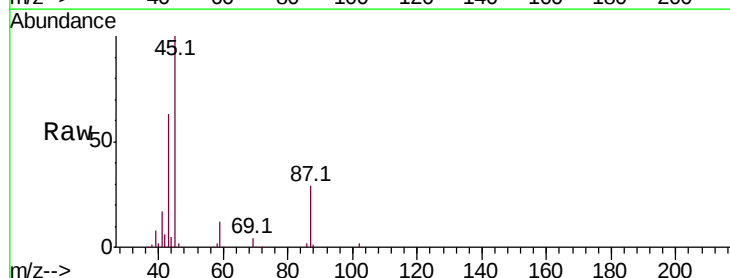
Ion Ratio Lower Upper

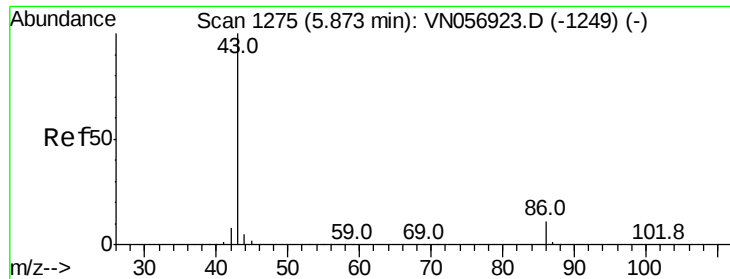
45 100

43 60.7 44.7 67.1

87 28.8 23.1 34.7

59 11.9 9.7 14.5





#23

Vinyl Acetate

Concen: 86.817 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VN056922.D

Acq: 25 Jul 2019 15:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 943405

Ion Ratio Lower Upper

43 100

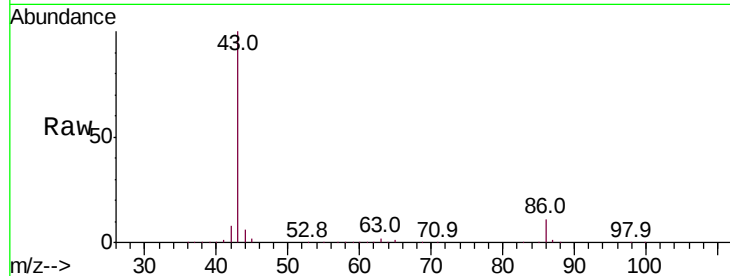
86 10.7 8.6 13.0

Manual Integrations

APPROVED

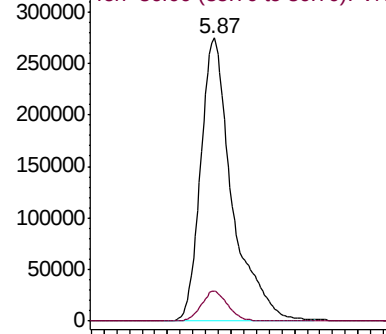
MMDadoda

7/26/2019 3:36:49 PM

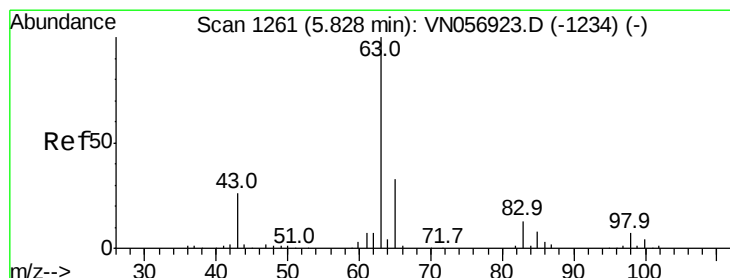
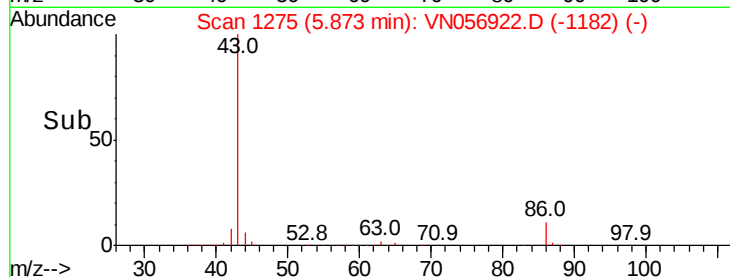


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 18.918 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VN056922.D

Acq: 25 Jul 2019 15:02

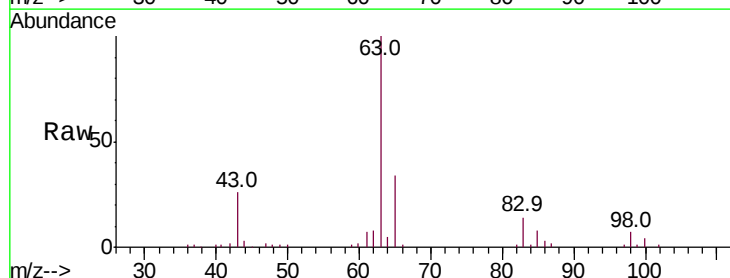
Tgt Ion: 63 Resp: 166175

Ion Ratio Lower Upper

63 100

98 6.6 3.4 10.1

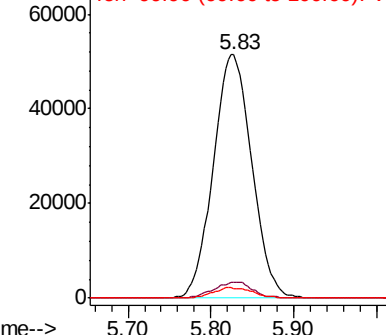
100 4.1 2.1 6.3



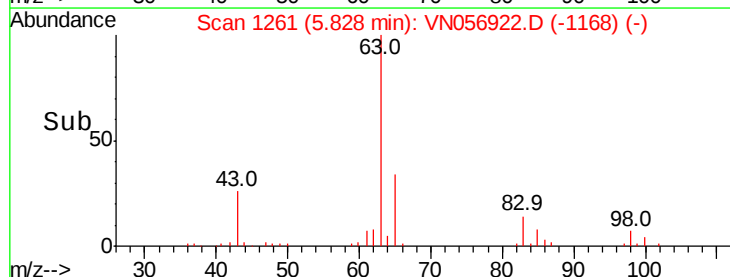
Abundance Ion 62.90 (62.60 to 63.60): VN0

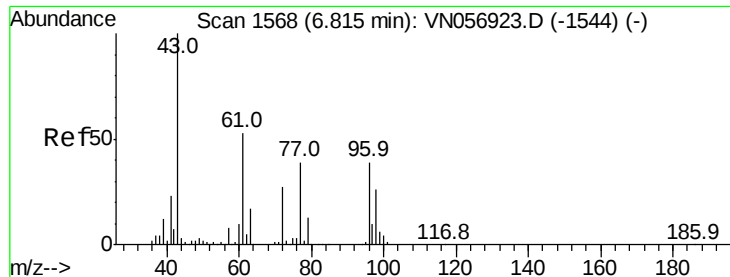
Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0



Time--> 5.70 5.80 5.90





#25

2-Butanone

Concen: 87.344 ug/l

RT: 6.82 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VN056922.D

Acq: 25 Jul 2019 15:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 231764

Ion Ratio Lower Upper

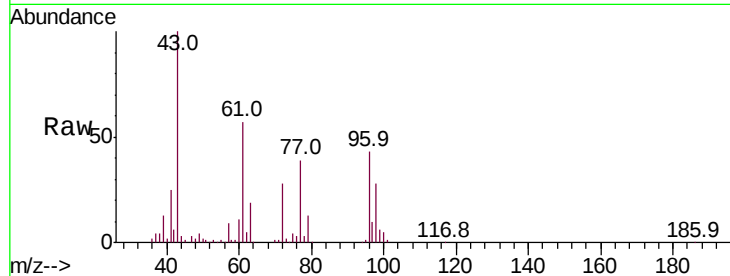
43 100

72 27.8 21.9 32.9

Manual Integrations
APPROVED

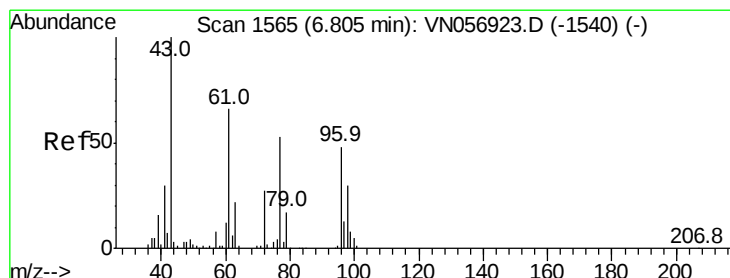
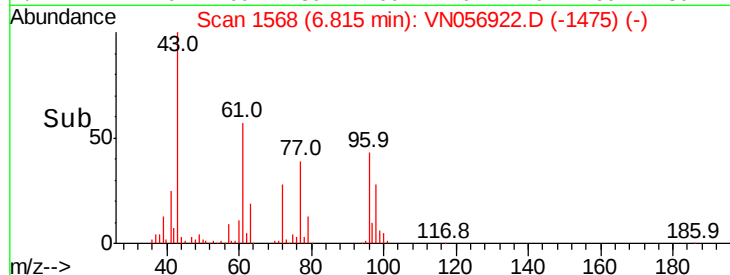
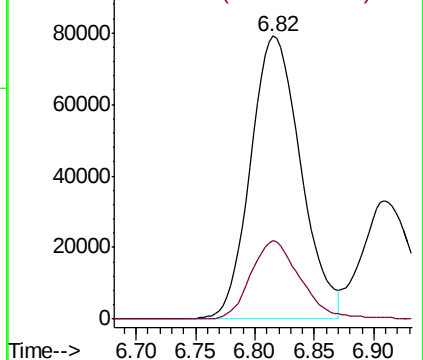
MMDadoda

7/26/2019 3:36:49 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 18.480 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN056922.D

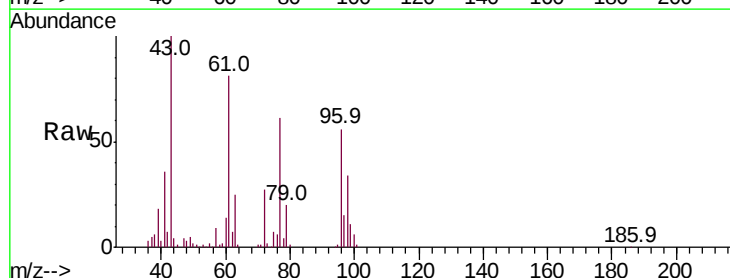
Acq: 25 Jul 2019 15:02

Tgt Ion: 77 Resp: 115266

Ion Ratio Lower Upper

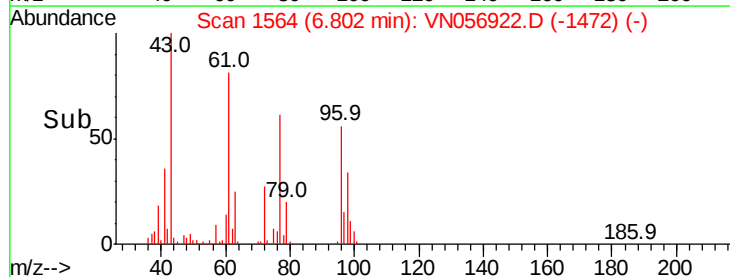
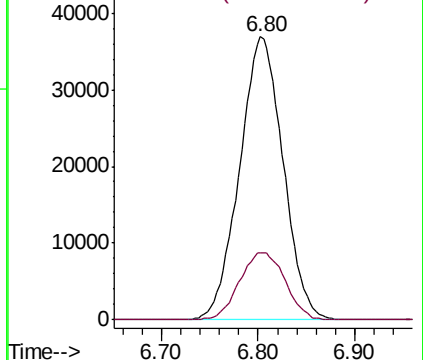
77 100

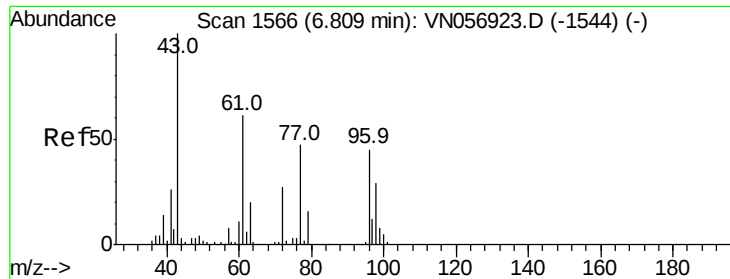
97 24.8 12.3 36.8



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





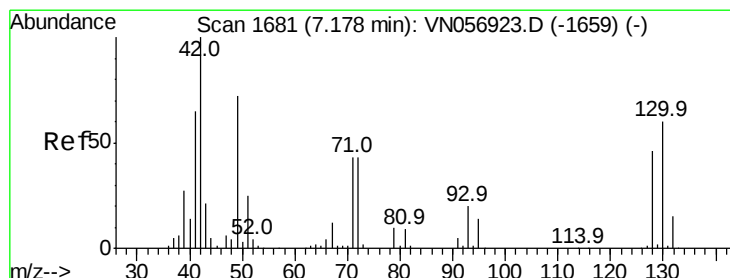
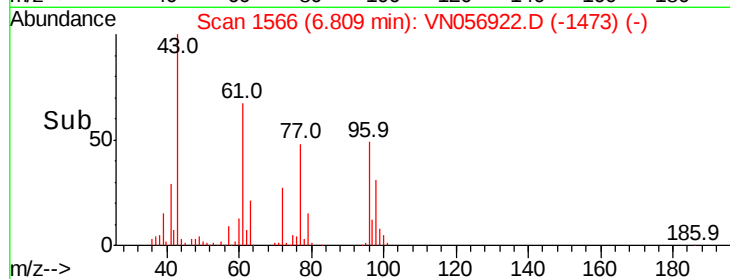
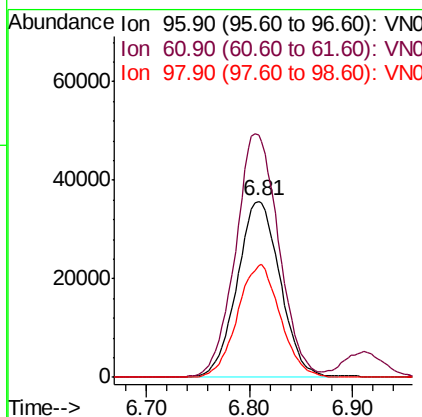
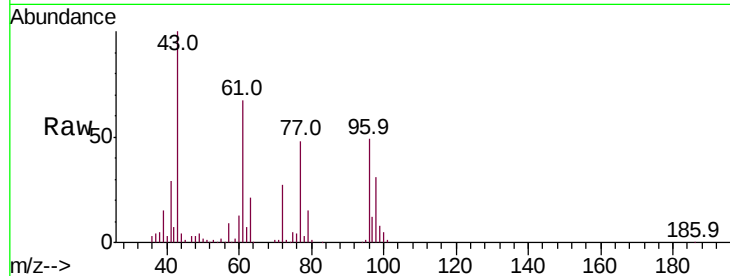
#27
 cis-1,2-Dichloroethene
 Concen: 18.898 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. -0.00 min
 Lab File: VN056922.D
 Acq: 25 Jul 2019 15:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	139.3	0.0	278.8	
98	63.6	0.0	130.0	

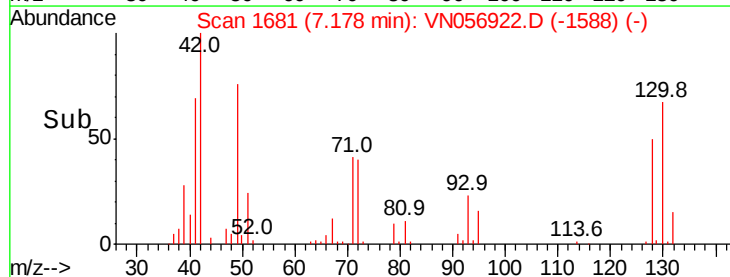
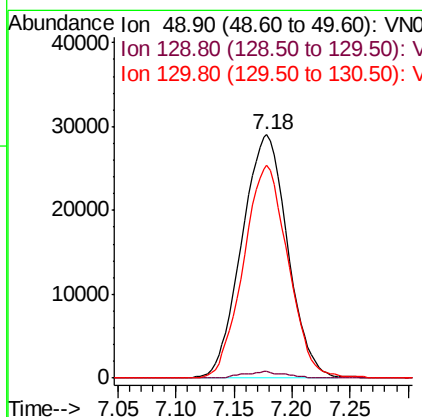
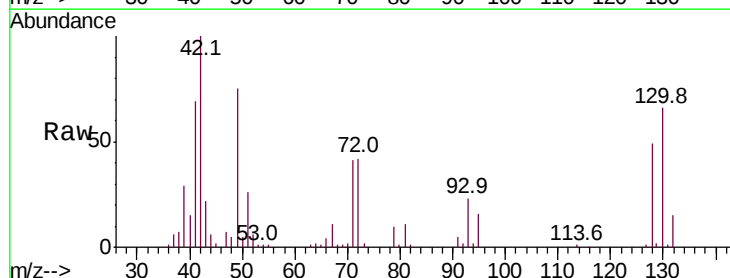
Manual Integrations
 APPROVED

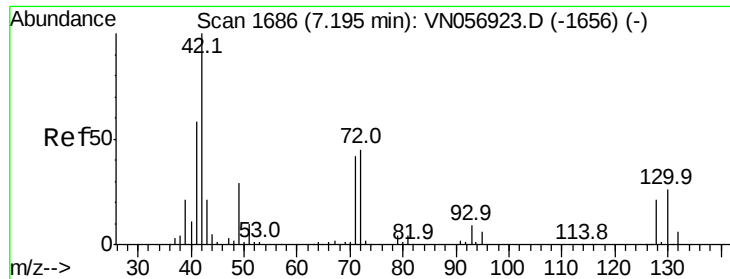
MMDadoda
 7/26/2019 3:36:49 PM



#28
 Bromochloromethane
 Concen: 19.966 ug/l
 RT: 7.18 min Scan# 1681
 Delta R.T. -0.00 min
 Lab File: VN056922.D
 Acq: 25 Jul 2019 15:02

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.3	0.0	4.4	
130	85.5	67.3	100.9	





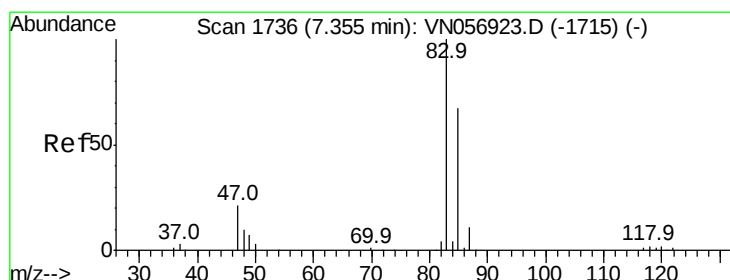
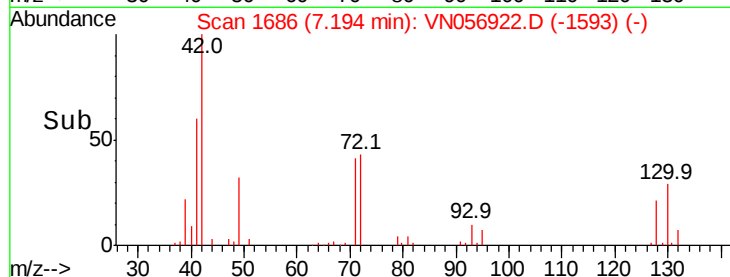
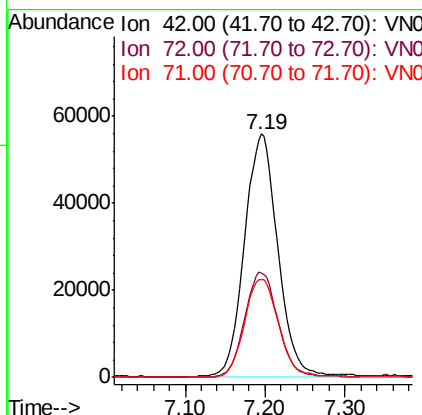
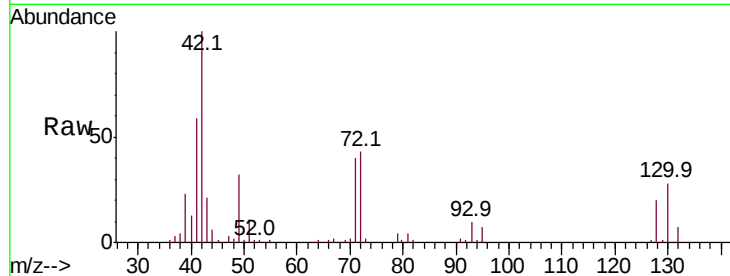
#29
Tetrahydrofuran
Concen: 88.241 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VN056922.D
Acq: 25 Jul 2019 15:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.3	35.5	53.3
71	41.0	33.0	49.6

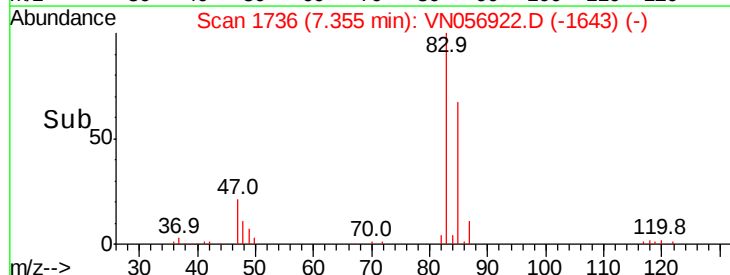
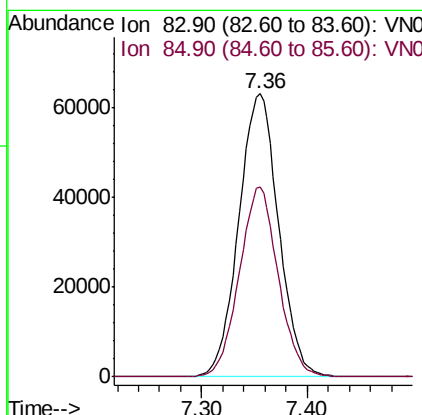
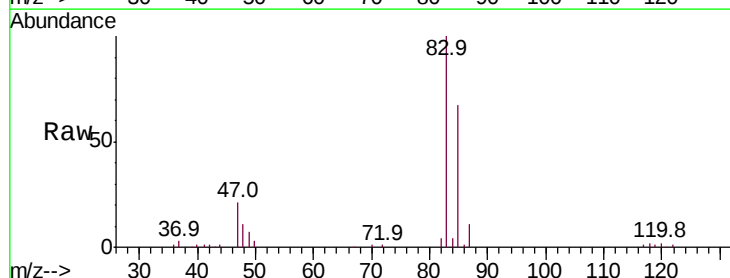
Manual Integrations
APPROVED

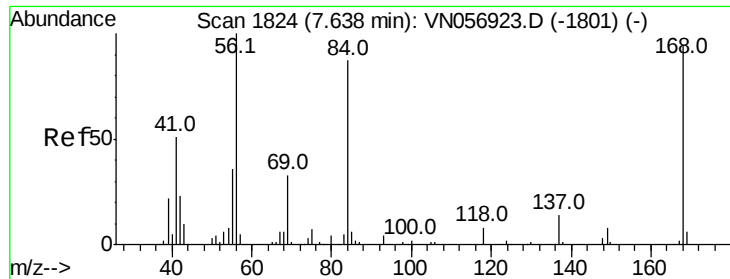
MMDadoda
7/26/2019 3:36:49 PM



#30
Chloroform
Concen: 18.767 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN056922.D
Acq: 25 Jul 2019 15:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.2	53.5	80.3





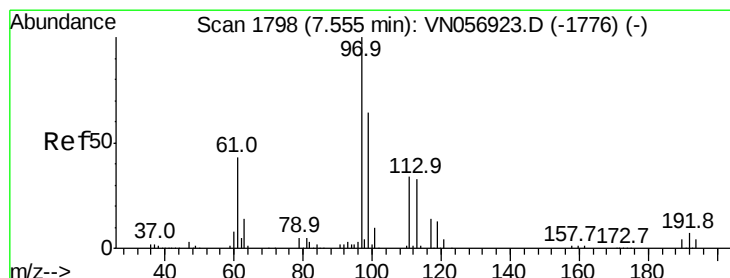
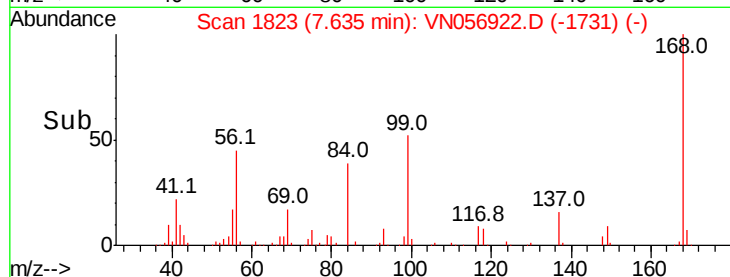
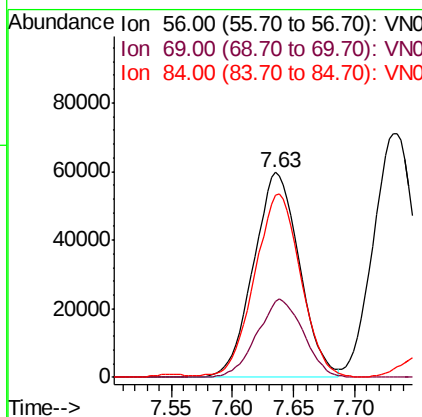
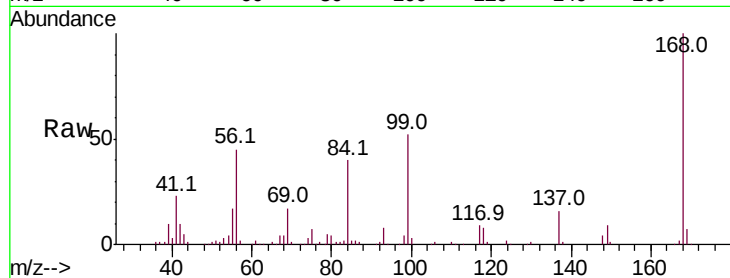
#31
Cyclohexane
Concen: 18.377 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. -0.00 min
Lab File: VN056922.D
Acq: 25 Jul 2019 15:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.0	26.3	39.5
84	87.7	69.6	104.4

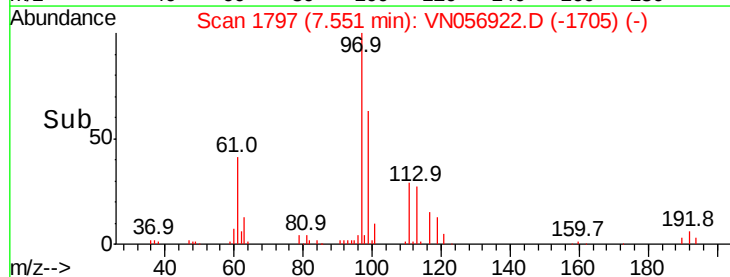
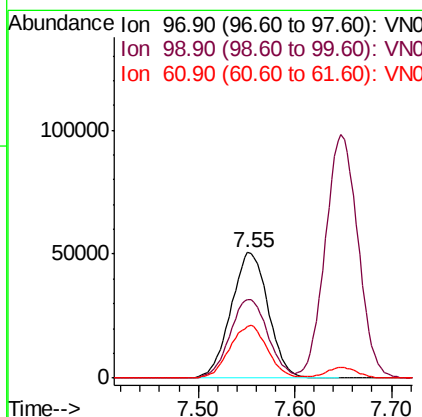
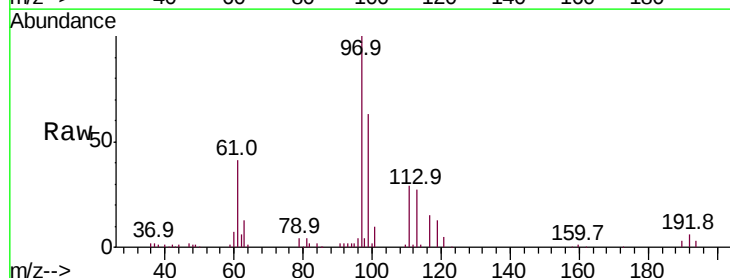
Manual Integrations
APPROVED

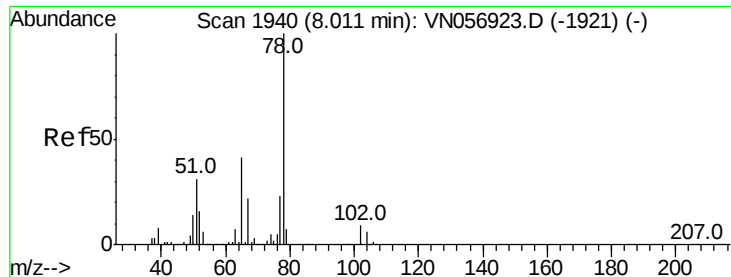
MMDadoda
7/26/2019 3:36:49 PM



#32
1,1,1-Trichloroethane
Concen: 18.935 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. -0.00 min
Lab File: VN056922.D
Acq: 25 Jul 2019 15:02

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.6	77.4
61	42.6	33.8	50.6





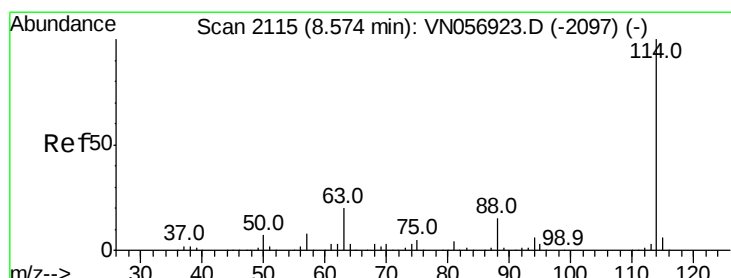
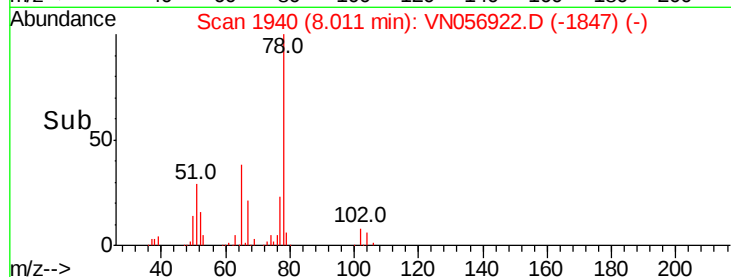
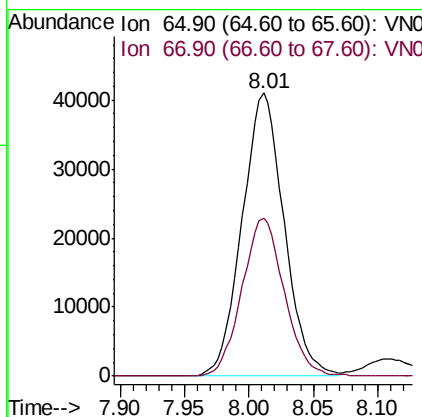
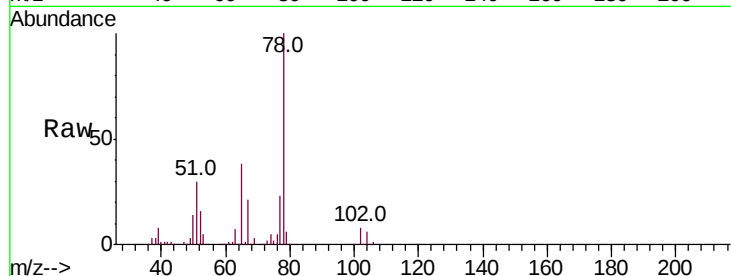
#33
 1,2-Dichloroethane-d4
 Concen: 18.328 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN056922.D
 Acq: 25 Jul 2019 15:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	56.2	0.0	109.2

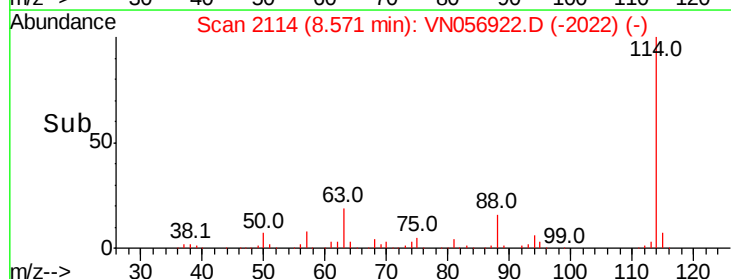
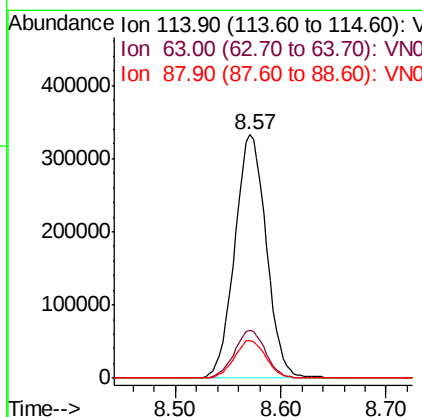
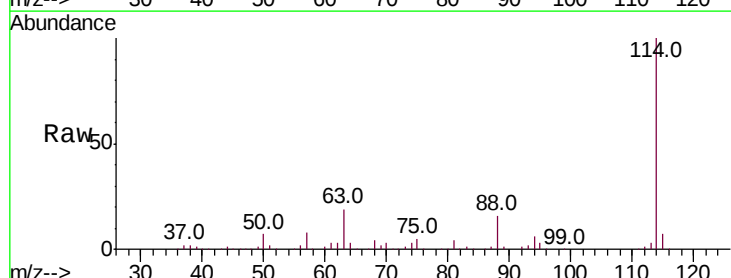
Manual Integrations
 APPROVED

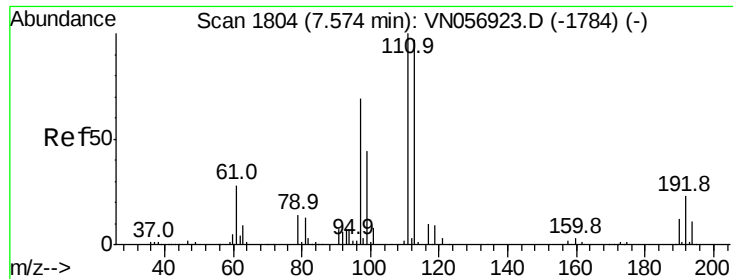
MMDadoda
 7/26/2019 3:36:49 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VN056922.D
 Acq: 25 Jul 2019 15:02

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	39.4
88	15.5	0.0	30.4





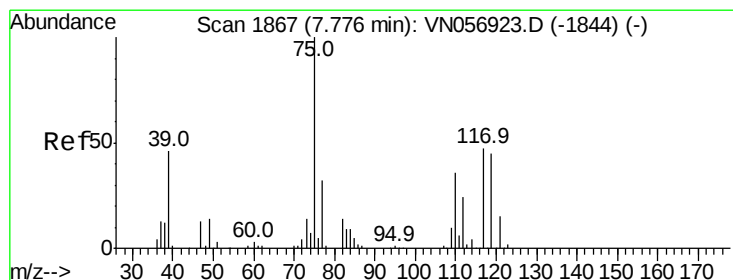
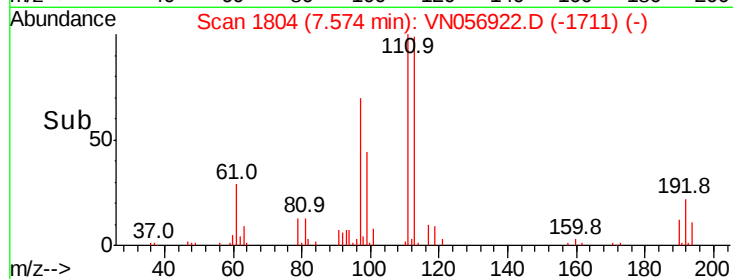
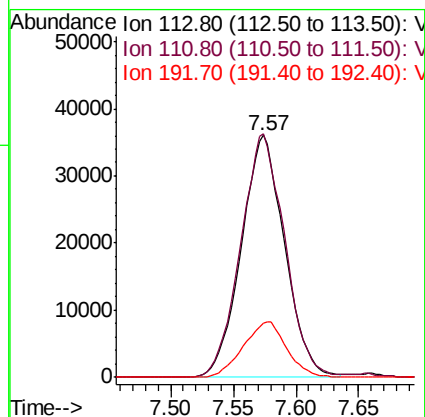
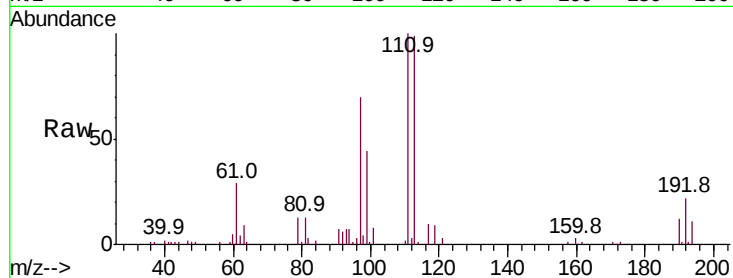
#35
 Dibromofluoromethane
 Concen: 19.446 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN056922.D
 Acq: 25 Jul 2019 15:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.2	123.2
192	22.8	18.3	27.5

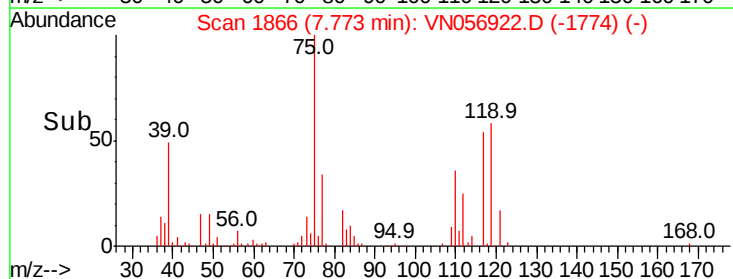
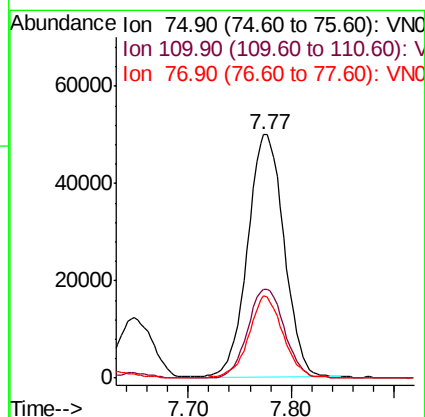
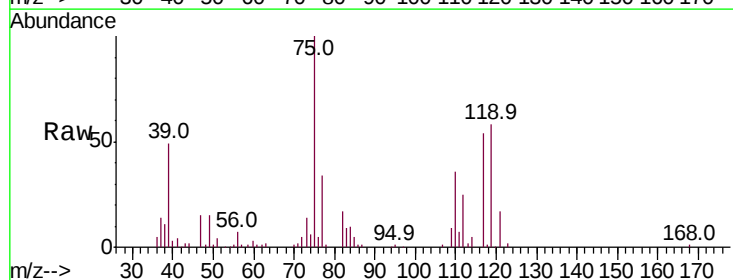
Manual Integrations
 APPROVED

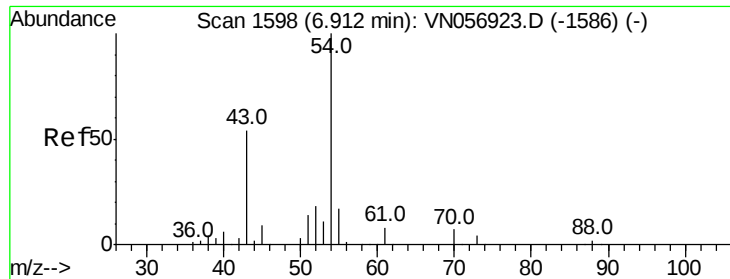
MMDadoda
 7/26/2019 3:36:49 PM



#36
 1,1-Dichloropropene
 Concen: 19.270 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN056922.D
 Acq: 25 Jul 2019 15:02

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.8	18.9	56.9
77	31.9	25.4	38.0





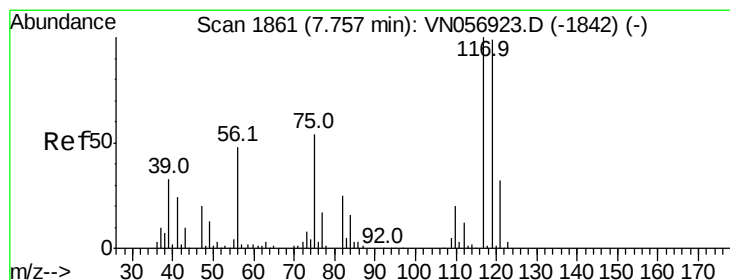
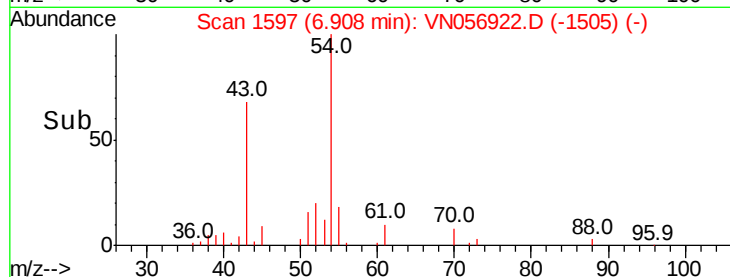
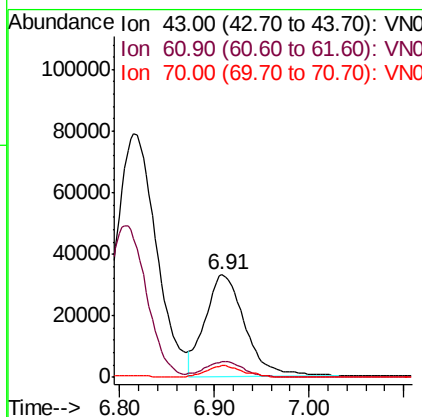
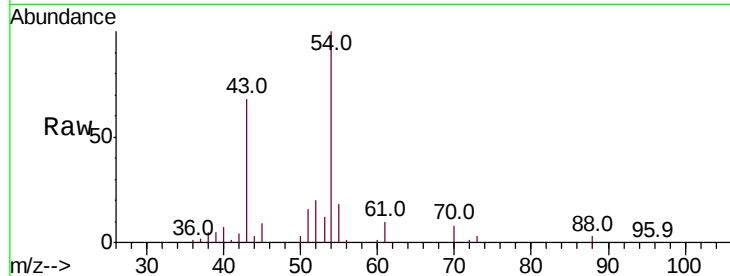
#37
Ethyl Acetate
Concen: 18.818 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VN056922.D
Acq: 25 Jul 2019 15:02

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	43	61	70
Ion Ratio	100	15.5	10.8
Lower		11.9	8.8
Upper		17.9	13.2

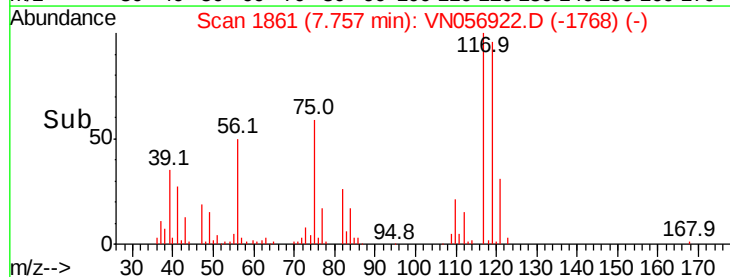
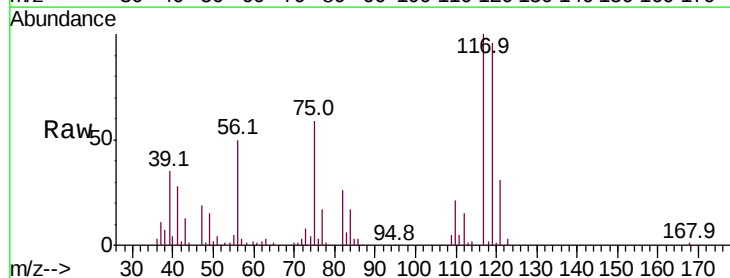
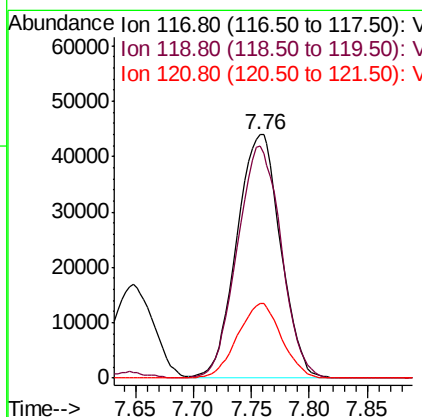
Manual Integrations
APPROVED

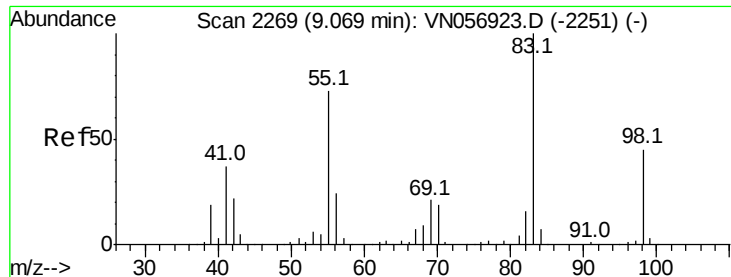
MMDadoda
7/26/2019 3:36:49 PM



#38
Carbon Tetrachloride
Concen: 19.046 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN056922.D
Acq: 25 Jul 2019 15:02

Tgt Ion	117	119	121
Ion Ratio	100	95.5	30.6
Lower		79.0	25.1
Upper		118.6	37.7





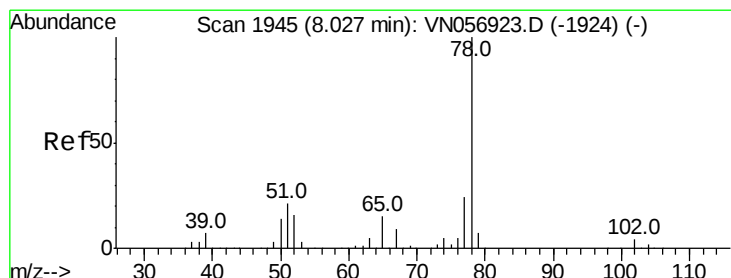
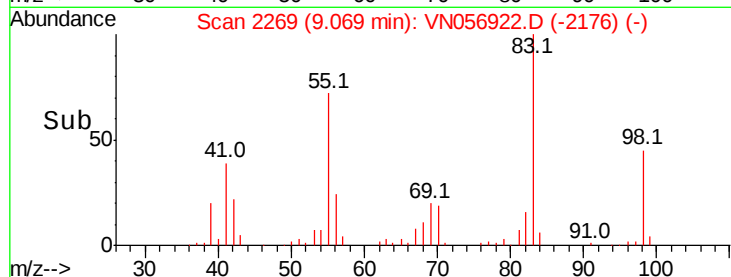
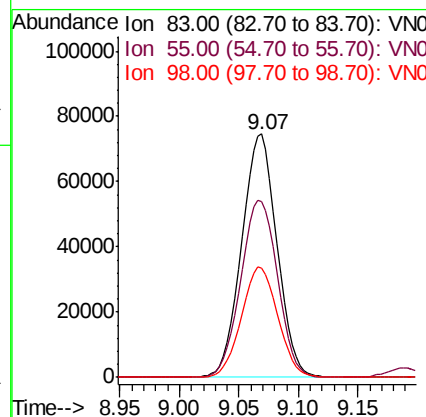
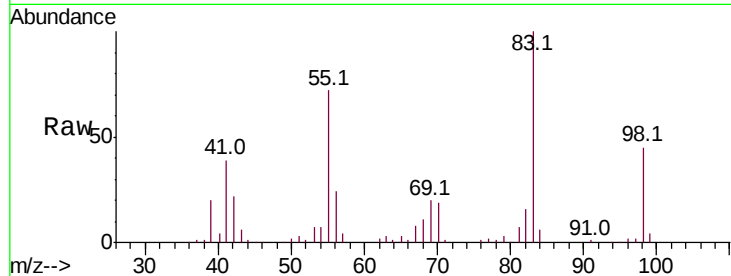
#39
Methvlcvclohexane
Concen: 19.184 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN056922.D
Acq: 25 Jul 2019 15:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.3	58.8	88.2
98	45.0	35.8	53.6

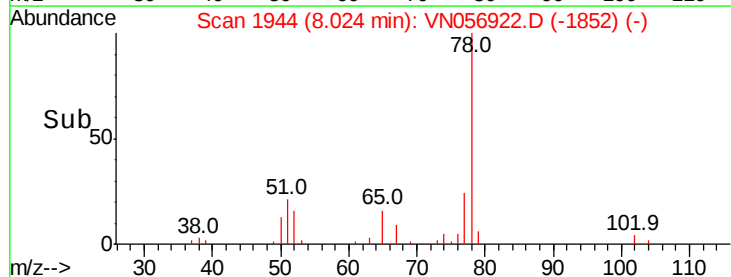
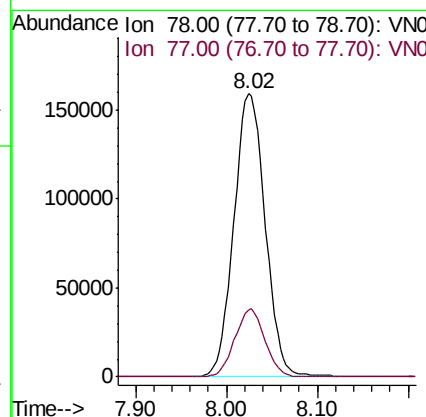
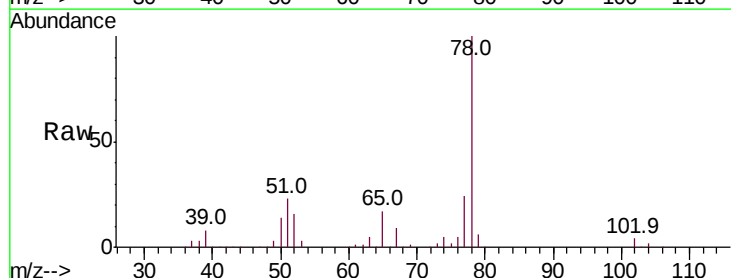
Manual Integrations
APPROVED

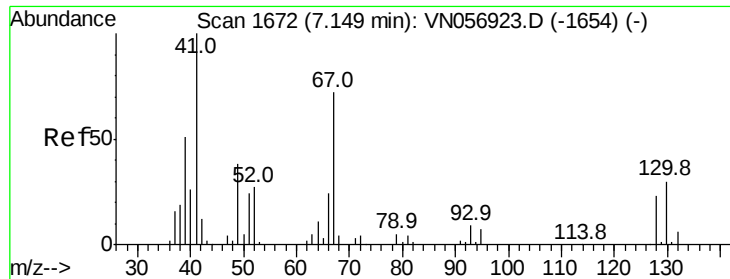
MMDadoda
7/26/2019 3:36:49 PM



#40
Benzene
Concen: 19.239 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN056922.D
Acq: 25 Jul 2019 15:02

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.5	29.3





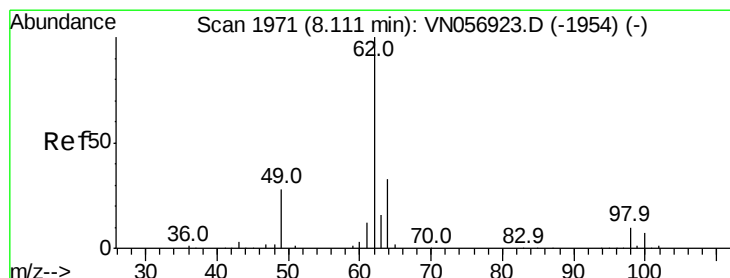
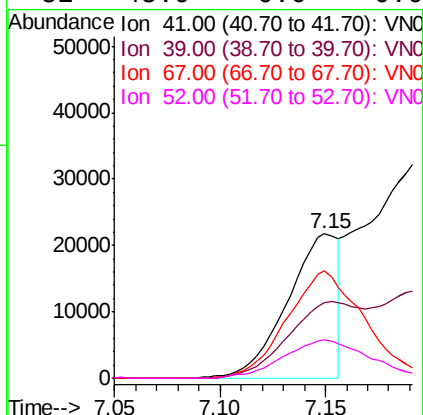
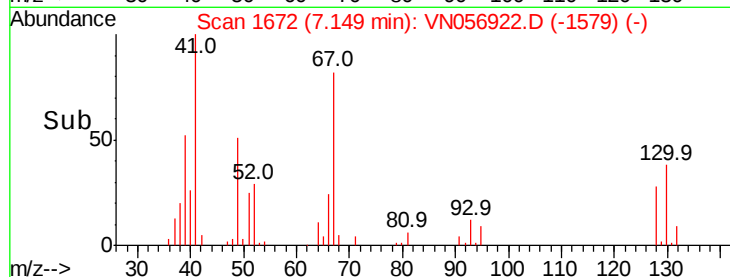
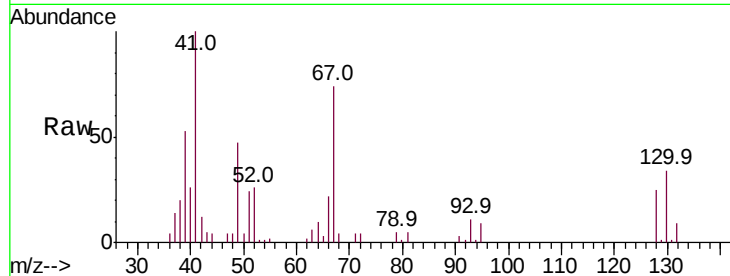
#41
Methacrylonitrile
Concen: 14.871 ug/l
RT: 7.15 min Scan# 1672
Delta R.T. -0.00 min
Lab File: VN056922.D
Acq: 25 Jul 2019 15:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	75.6	0.0	0.0#
67	114.0	0.0	0.0#
52	45.9	0.0	0.0#

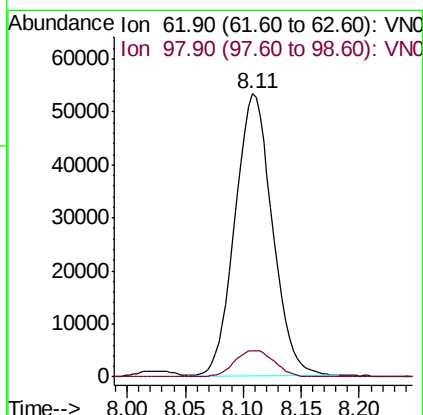
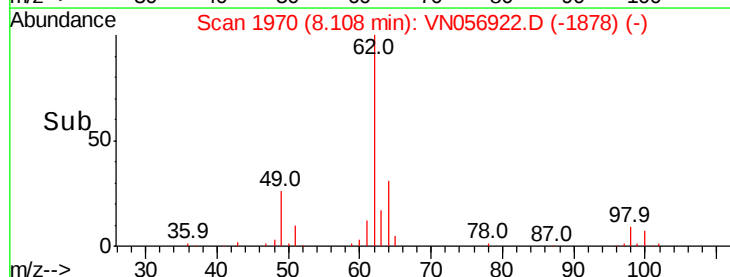
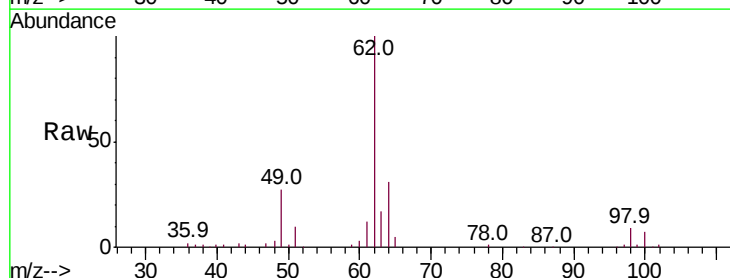
Manual Integrations
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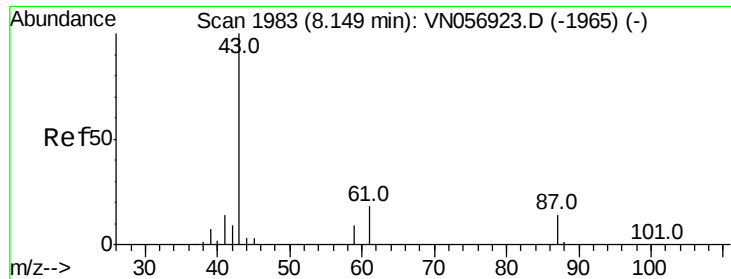
MMDadoda
7/26/2019 3:36:49 PM



#42
1,2-Dichloroethane
Concen: 19.327 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VN056922.D
Acq: 25 Jul 2019 15:02

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	20.8





#43

Isopropyl Acetate

Concen: 17.637 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VN056922.D

Acq: 25 Jul 2019 15:02

Instrument :

MSVOA_N

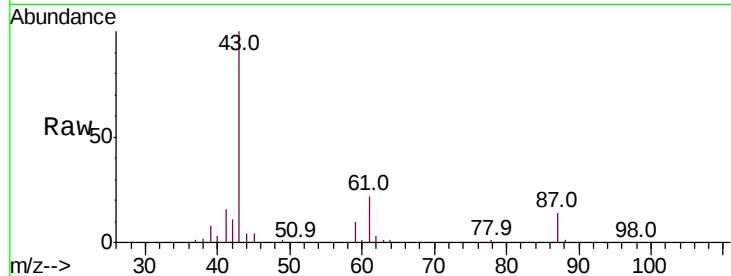
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	155010
Ion	Ratio	Lower	Upper
43	100		
61	22.6	23.8	35.6#
87	14.1	11.8	17.6

Manual Integrations
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MMDadoda
7/26/2019 3:36:49 PM



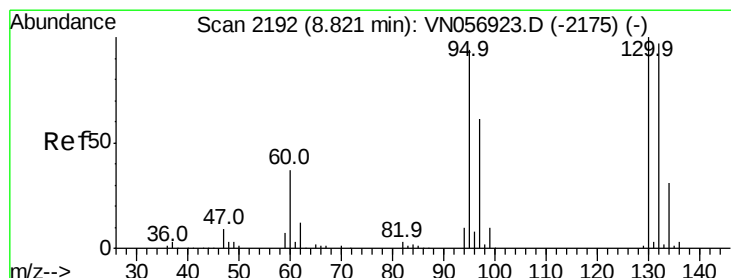
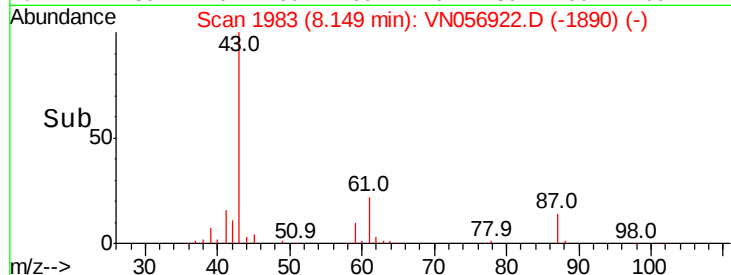
Abundance Ion 43.00 (42.70 to 43.70): VN056922.D (-1965) (-)

Ion 61.00 (60.70 to 61.70): VN056922.D (-1965) (-)

Ion 87.00 (86.70 to 87.70): VN056922.D (-1965) (-)

8.15

Time-->



#44

Trichloroethene

Concen: 19.519 ug/l

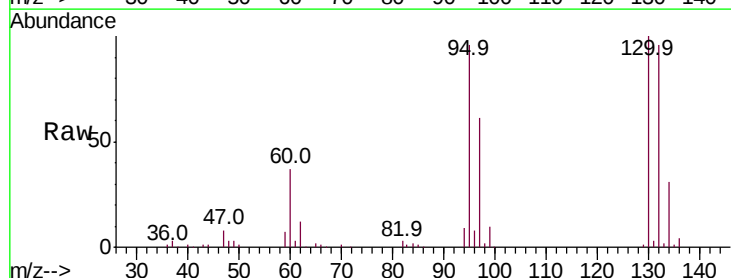
RT: 8.82 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VN056922.D

Acq: 25 Jul 2019 15:02

Tgt Ion:	130	Resp:	104166
Ion	Ratio	Lower	Upper
130	100		
95	96.5	0.0	187.6

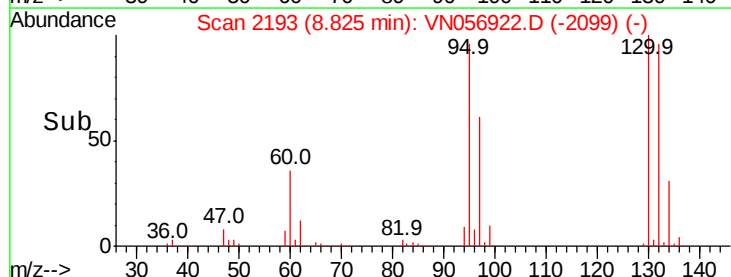


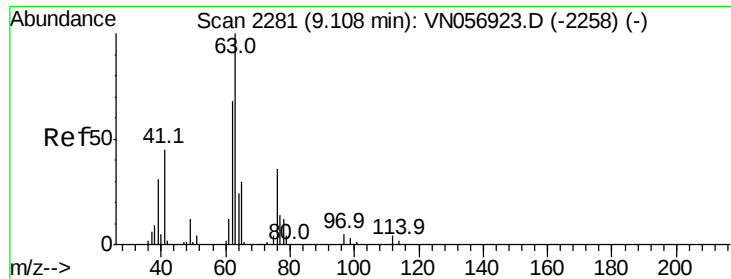
Abundance Ion 129.80 (129.50 to 130.50): VN056922.D (-2099) (-)

Ion 94.90 (94.60 to 95.60): VN056922.D (-2099) (-)

8.82

Time-->





#45

1,2-Dichloropropane

Concen: 18.789 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. -0.00 min

Lab File: VN056922.D

Acq: 25 Jul 2019 15:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 63 Resp: 100533

Ion Ratio Lower Upper

63 100

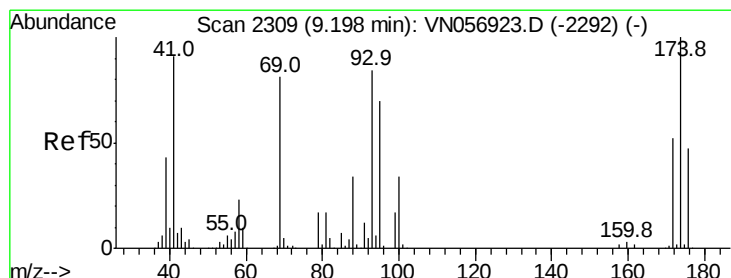
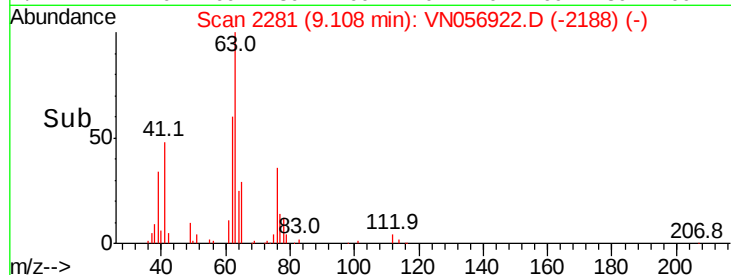
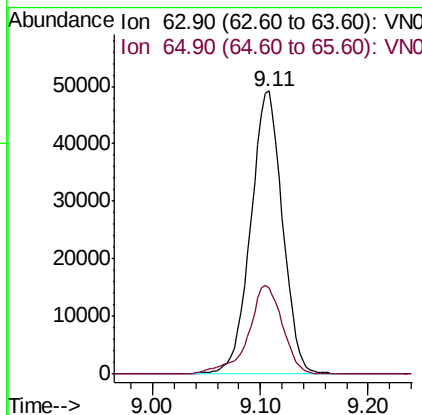
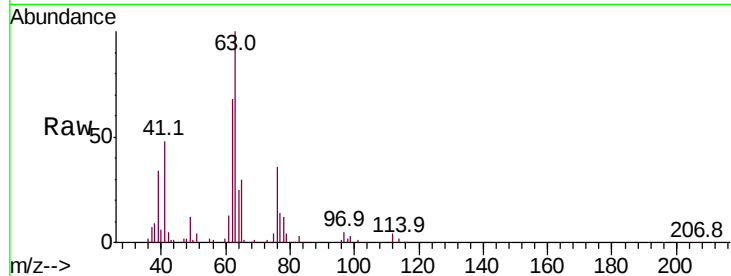
65 30.3 24.5 36.7

Manual Integrations

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7/26/2019 3:36:49 PM



#46

Dibromomethane

Concen: 18.922 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.00 min

Lab File: VN056922.D

Acq: 25 Jul 2019 15:02

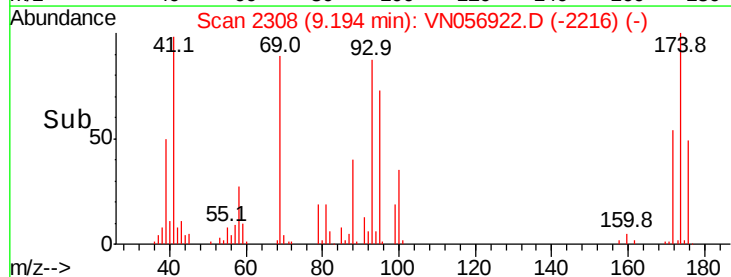
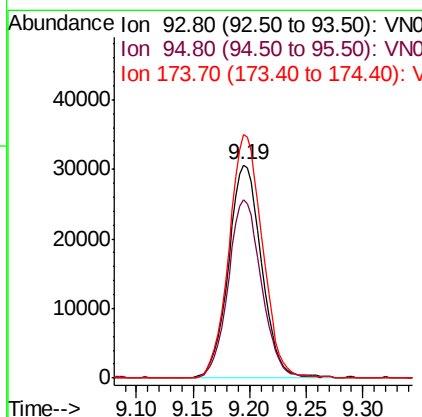
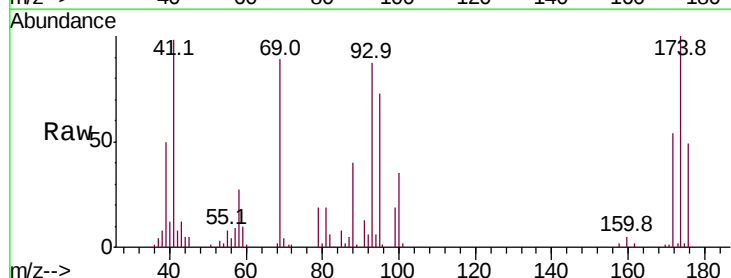
Tgt Ion: 93 Resp: 62488

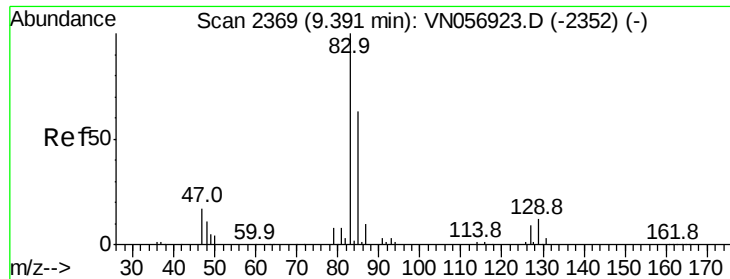
Ion Ratio Lower Upper

93 100

95 83.5 66.8 100.2

174 115.0 92.9 139.3





#47

Bromodichloromethane

Concen: 19.084 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. -0.00 min

Lab File: VN056922.D

Acq: 25 Jul 2019 15:02

Instrument :

MSVOA_N

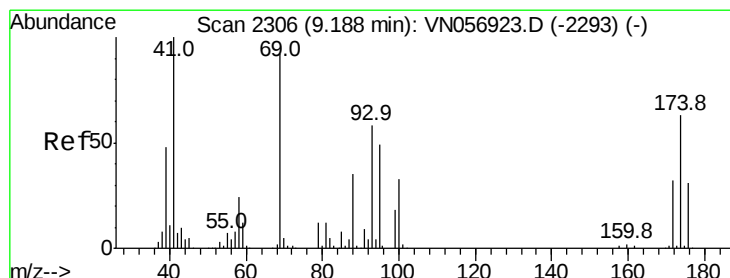
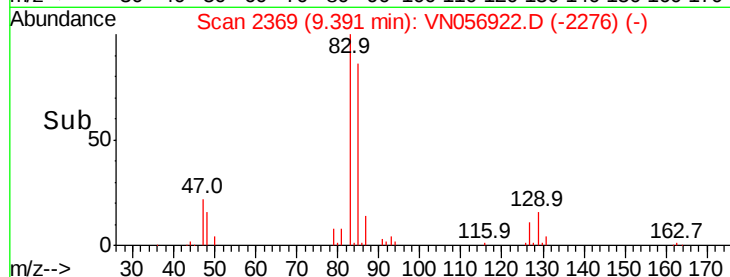
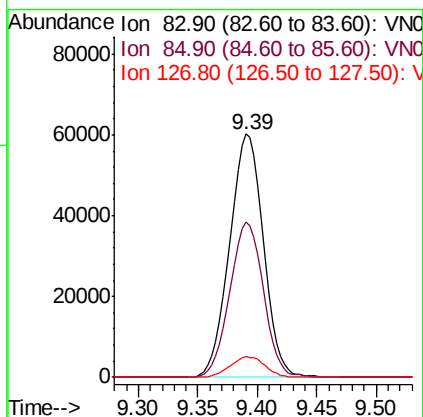
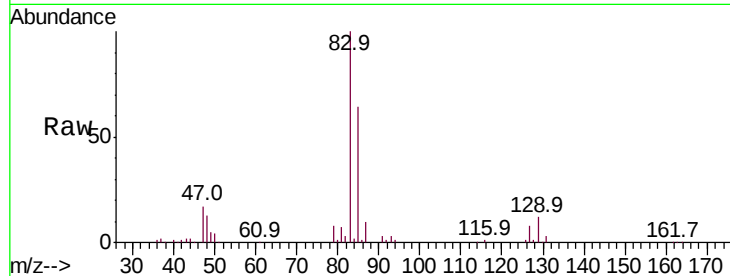
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	118800
Ion	Ratio	Lower	Upper
83	100		
85	63.8	50.5	75.7
127	8.4	7.4	11.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 16.969 ug/l

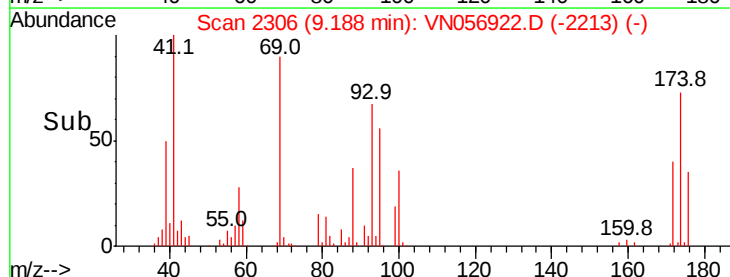
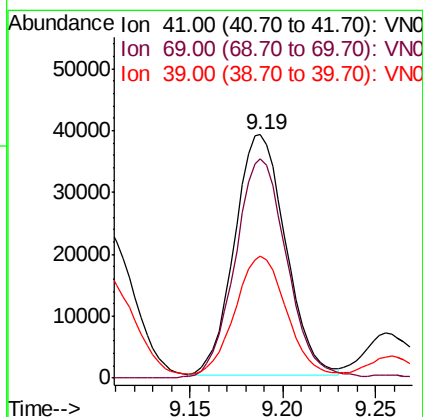
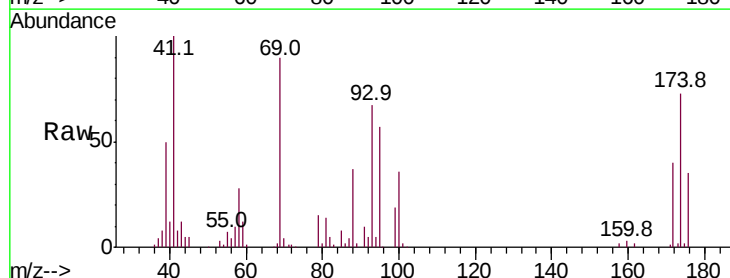
RT: 9.19 min Scan# 2306

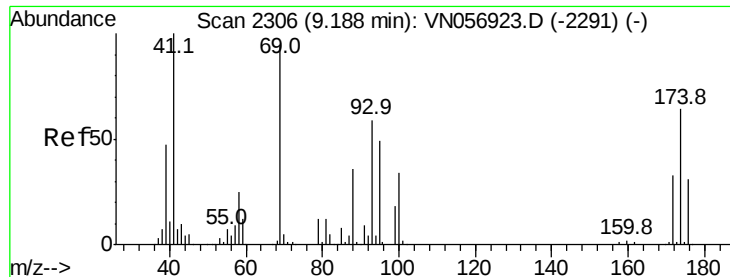
Delta R.T. -0.00 min

Lab File: VN056922.D

Acq: 25 Jul 2019 15:02

Tgt Ion:	41	Resp:	74399
Ion	Ratio	Lower	Upper
41	100		
69	92.5	73.4	110.0
39	51.6	40.1	60.1





#49

1,4-Dioxane

Concen: 384.980 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN056922.D

Acq: 25 Jul 2019 15:02

Instrument :

MSVOA_N

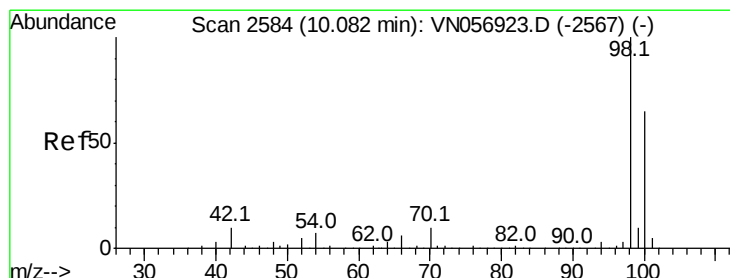
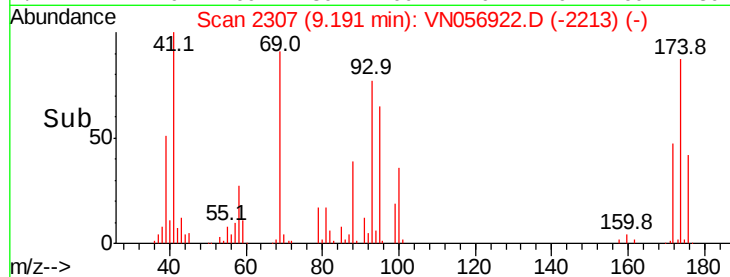
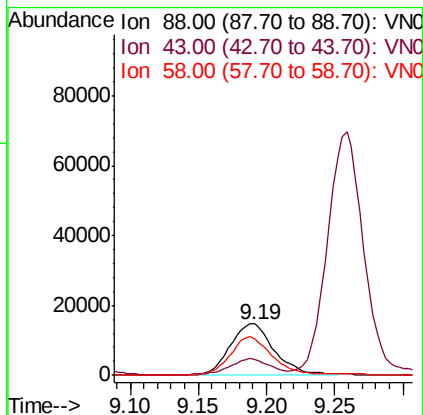
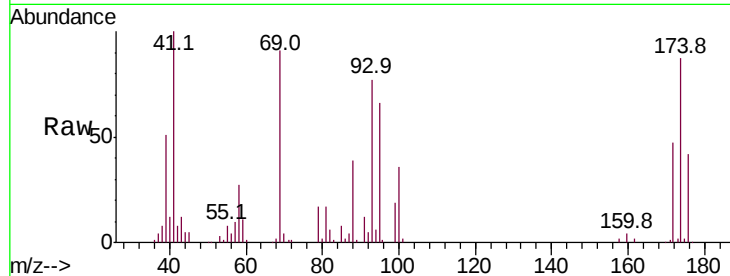
ClientSampleId :

VSTDIC020

Tot Ion:	88	Resp:	33352
Ion	Ratio	Lower	Upper
88	100		
43	27.3	21.1	31.7
58	71.5	52.5	78.7

Manual Integrations
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7/26/2019 3:36:49 PM



#50

Toluene-d8

Concen: 19.199 ug/l

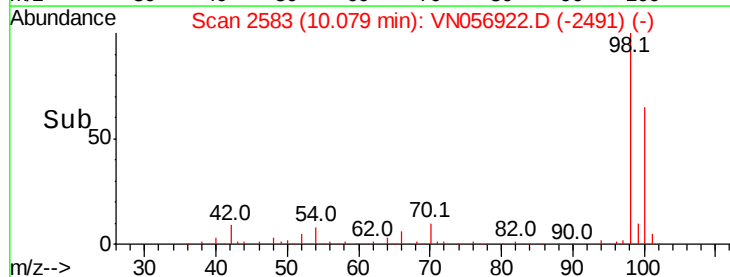
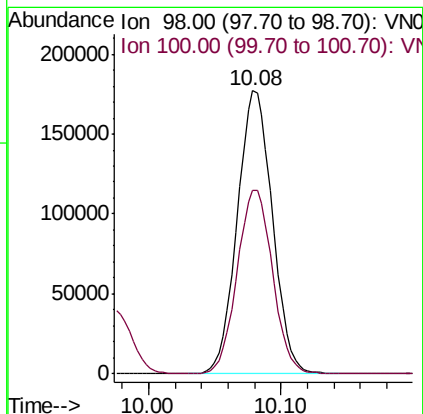
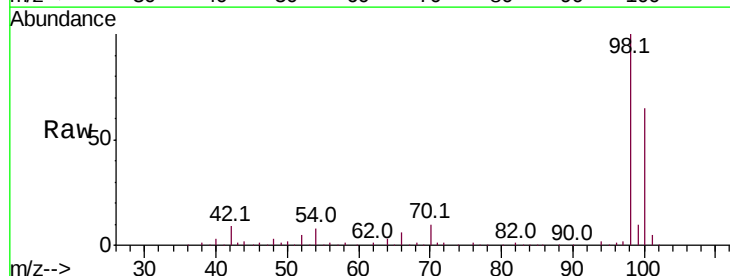
RT: 10.08 min Scan# 2583

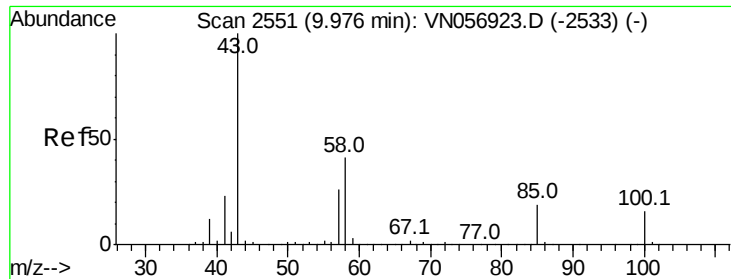
Delta R.T. -0.00 min

Lab File: VN056922.D

Acq: 25 Jul 2019 15:02

Tgt Ion:	98	Resp:	326142
Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.4	77.2





#51

4-Methyl-2-Pentanone

Concen: 91.096 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN056922.D

Acq: 25 Jul 2019 15:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 476432

Ion Ratio Lower Upper

43 100

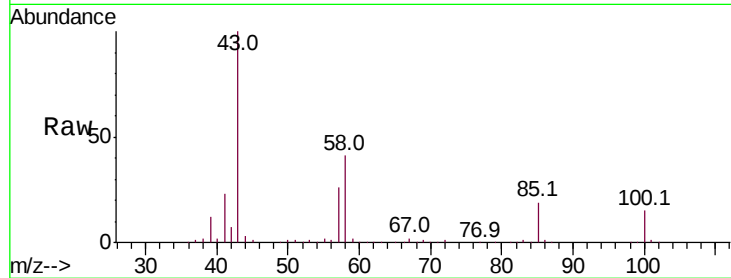
58 40.5 32.8 49.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN056923.D (-2533) (-)

Ion 58.00 (57.70 to 58.70): VN056923.D (-2533) (-)

9.97

250000

200000

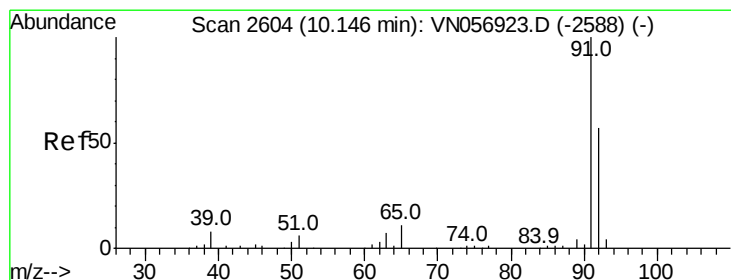
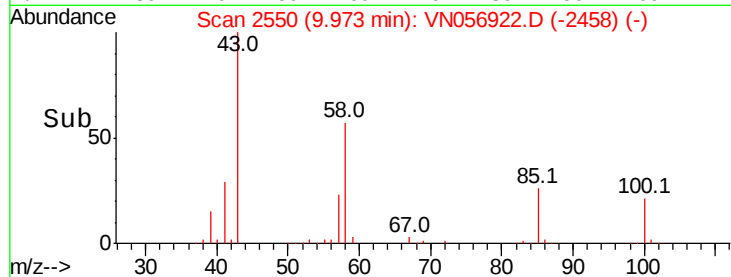
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.753 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VN056922.D

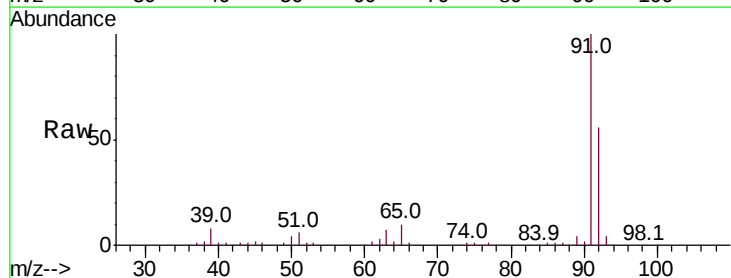
Acq: 25 Jul 2019 15:02

Tgt Ion: 92 Resp: 235852

Ion Ratio Lower Upper

92 100

91 173.0 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VN056923.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN056923.D (-2588) (-)

10.15

250000

200000

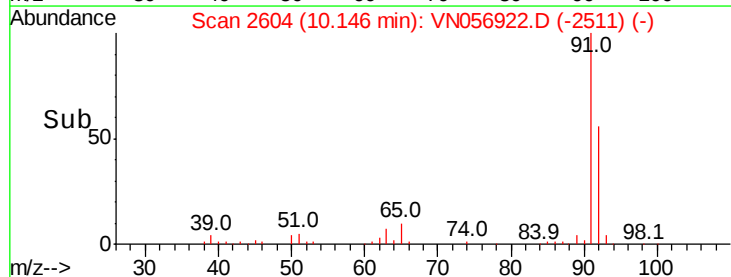
150000

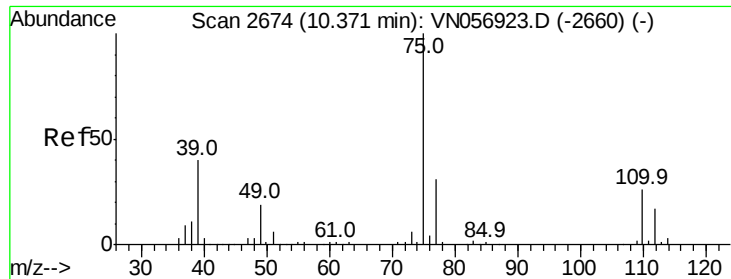
100000

50000

0

Time-->





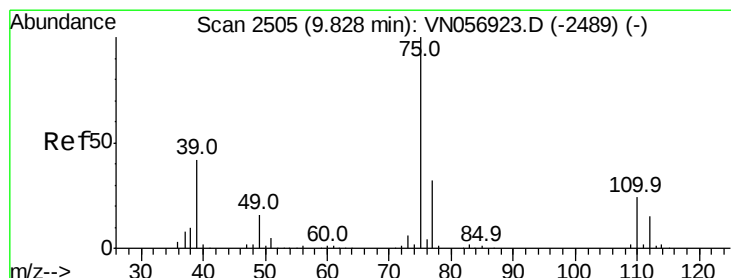
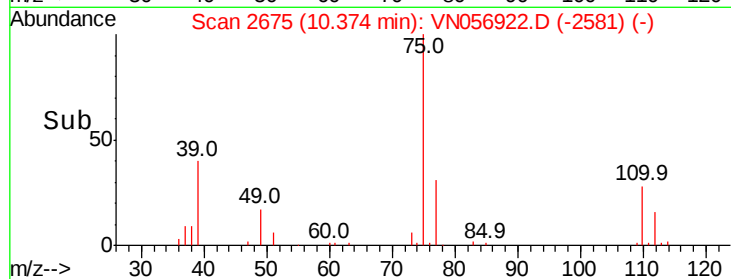
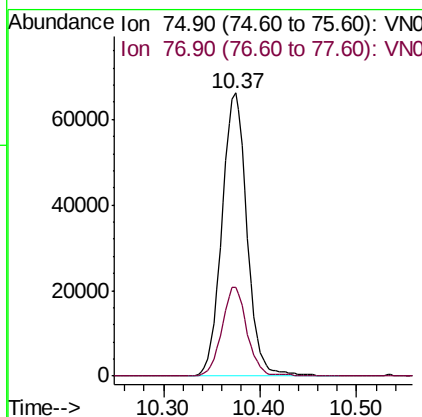
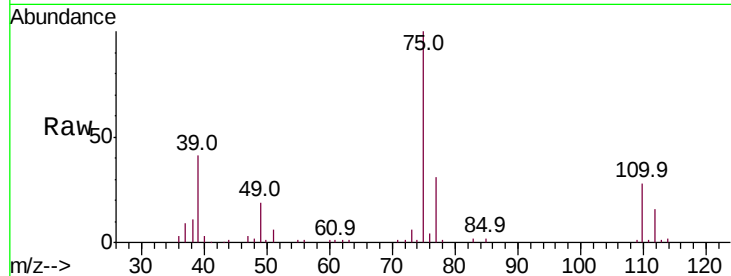
#53
 t-1,3-Dichloropropene
 Concen: 18.786 ug/l
 RT: 10.37 min Scan# 2675
 Delta R.T. 0.00 min
 Lab File: VN056922.D
 Acq: 25 Jul 2019 15:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.0	37.6

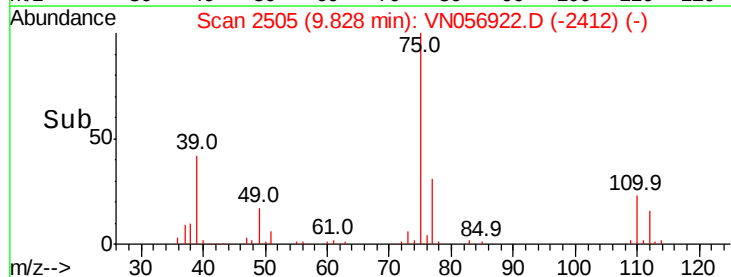
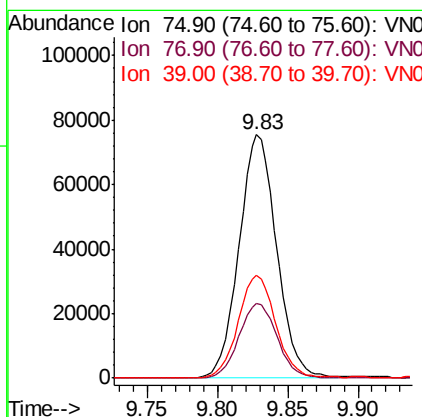
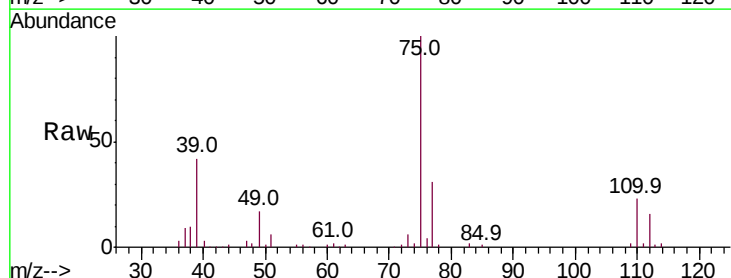
Manual Integrations
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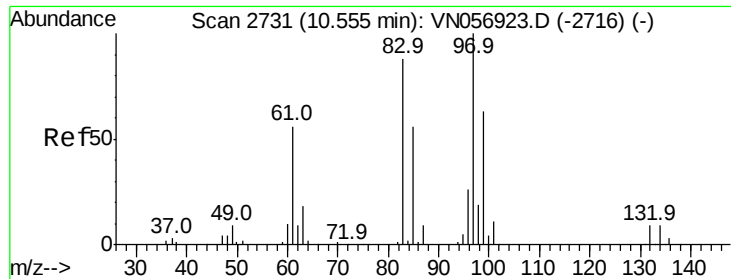
MMDadoda
 7/26/2019 3:36:49 PM



#54
 cis-1,3-Dichloropropene
 Concen: 18.753 ug/l
 RT: 9.83 min Scan# 2505
 Delta R.T. -0.00 min
 Lab File: VN056922.D
 Acq: 25 Jul 2019 15:02

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.4	38.0
39	42.0	33.4	50.0





#55

1,1,2-Trichloroethane

Concen: 19.081 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. -0.00 min

Lab File: VN056922.D

Acq: 25 Jul 2019 15:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 97 Resp: 90458

Ion Ratio Lower Upper

97 100

83 85.1 70.1 105.1

85 55.8 45.1 67.7

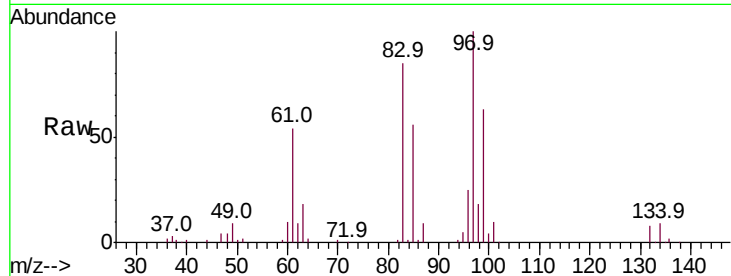
99 62.6 50.6 75.8

Manual Integrations

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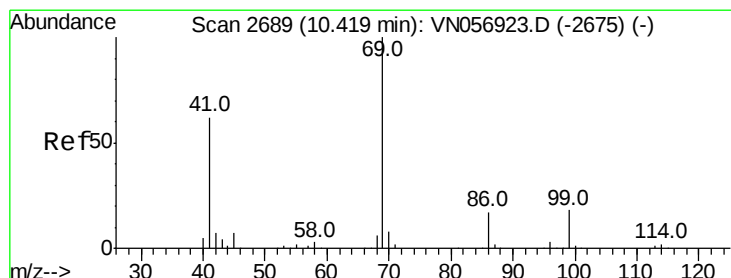
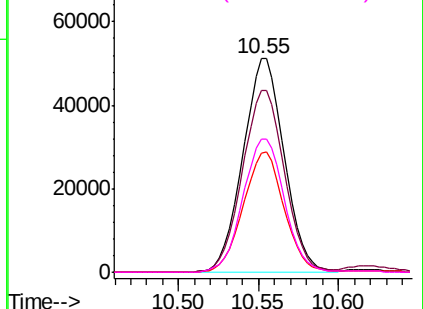
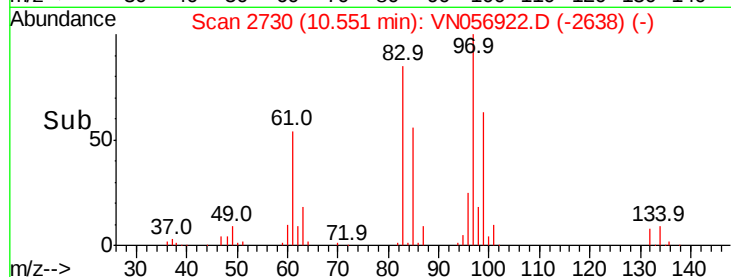


Abundance Ion 96.90 (96.60 to 97.60): VN056922.D (-2716) (-)

Ion 82.90 (82.60 to 83.60): VN056922.D (-2716) (-)

Ion 84.90 (84.60 to 85.60): VN056922.D (-2716) (-)

Ion 98.90 (98.60 to 99.60): VN056922.D (-2716) (-)



#56

Ethyl methacrylate

Concen: 18.277 ug/l

RT: 10.42 min Scan# 2689

Delta R.T. -0.00 min

Lab File: VN056922.D

Acq: 25 Jul 2019 15:02

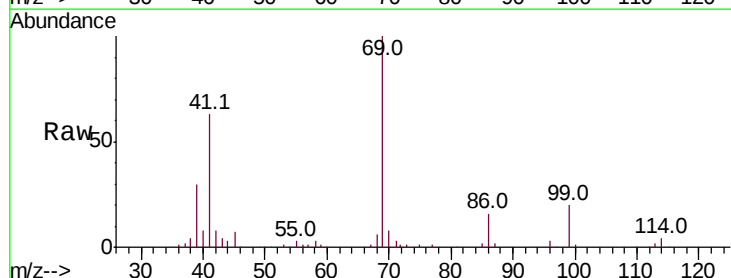
Tgt Ion: 69 Resp: 119609

Ion Ratio Lower Upper

69 100

41 61.7 49.7 74.5

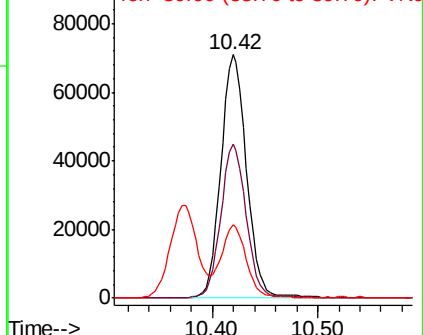
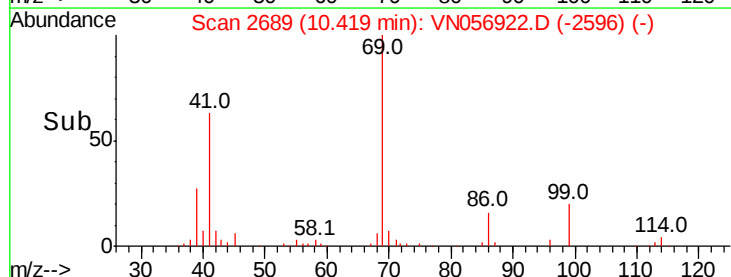
39 29.8 23.6 35.4

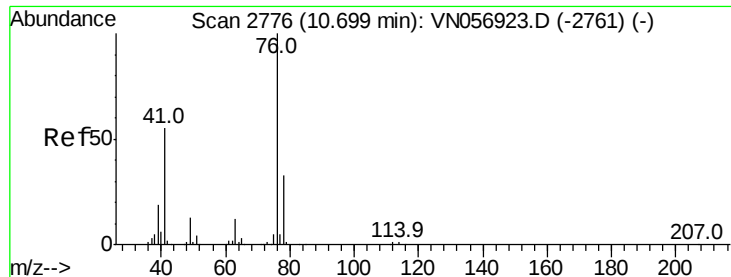


Abundance Ion 69.00 (68.70 to 69.70): VN056922.D (-2689) (-)

Ion 41.00 (40.70 to 41.70): VN056922.D (-2689) (-)

Ion 39.00 (38.70 to 39.70): VN056922.D (-2689) (-)





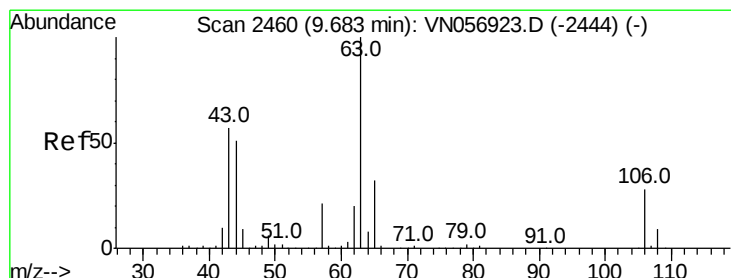
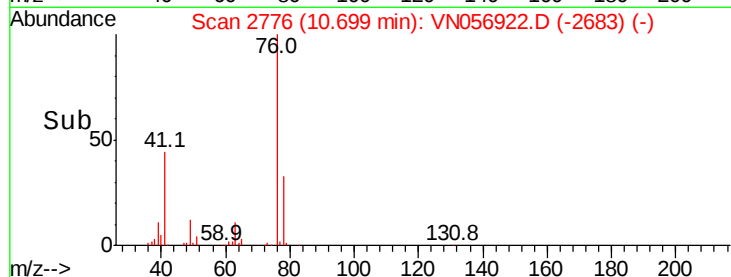
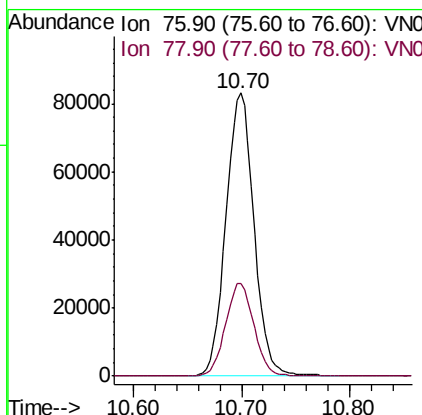
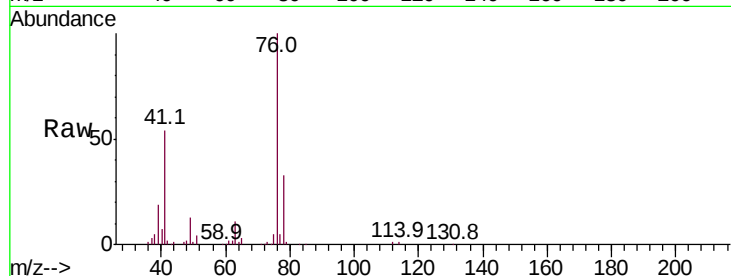
#57
 1,3-Dichloropropane
 Concen: 19.224 ug/l
 RT: 10.70 min Scan# 2776
 Delta R.T. -0.00 min
 Lab File: VN056922.D
 Acq: 25 Jul 2019 15:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.2	25.8	38.8

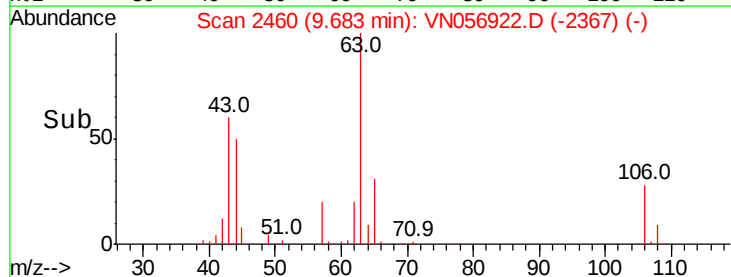
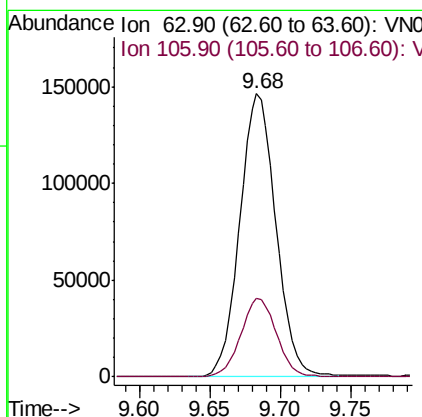
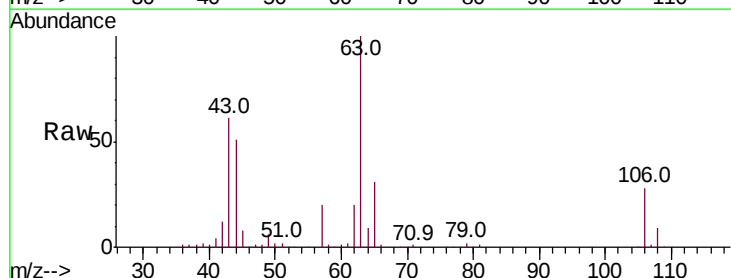
Manual Integrations
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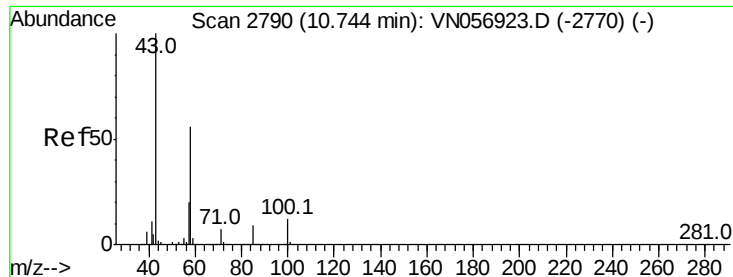
MMDadoda
 7/26/2019 3:36:49 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 96.336 ug/l
 RT: 9.68 min Scan# 2460
 Delta R.T. -0.00 min
 Lab File: VN056922.D
 Acq: 25 Jul 2019 15:02

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.4	22.2	33.4





#59

2-Hexanone

Concen: 88.754 ug/l

RT: 10.74 min Scan# 2790

Delta R.T. -0.00 min

Lab File: VN056922.D

Acq: 25 Jul 2019 15:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 322284

Ion Ratio Lower Upper

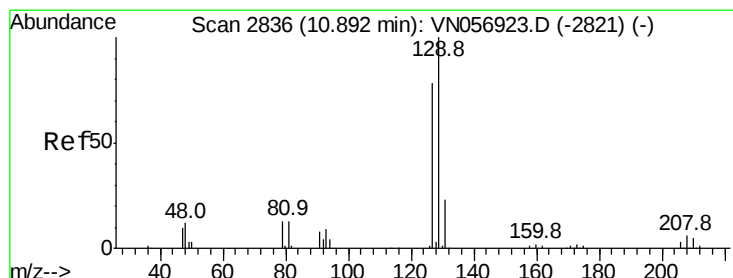
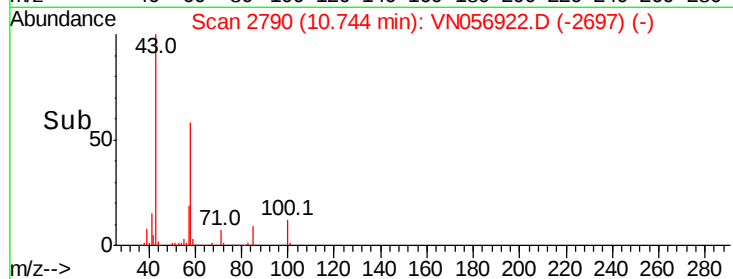
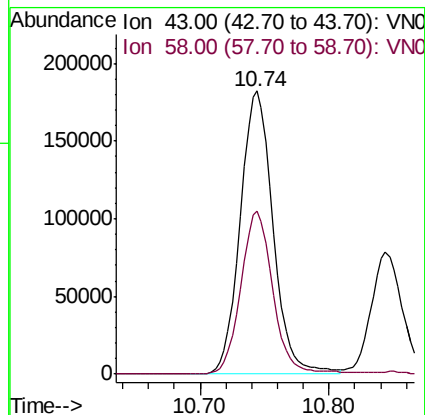
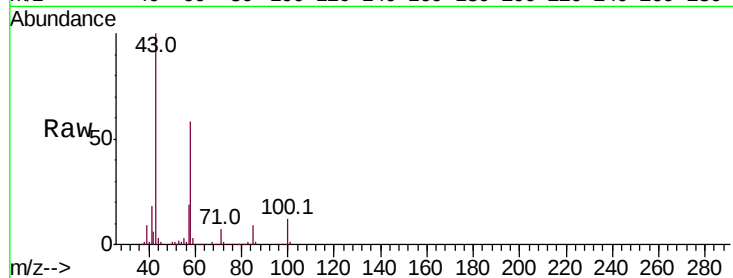
43 100

58 56.3 28.2 84.6

Manual Integrations
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7/26/2019 3:36:49 PM



#60

Dibromochloromethane

Concen: 18.876 ug/l

RT: 10.89 min Scan# 2836

Delta R.T. -0.00 min

Lab File: VN056922.D

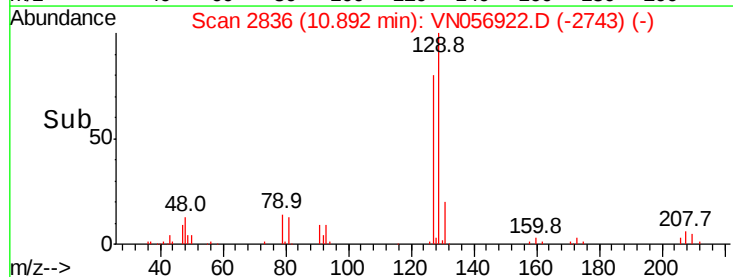
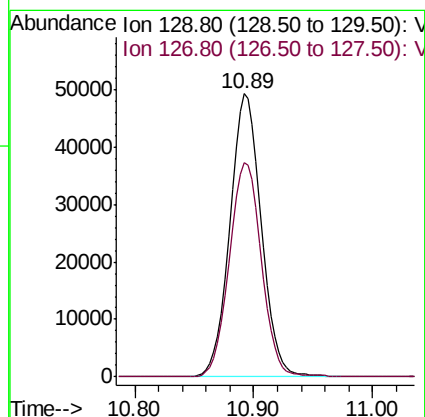
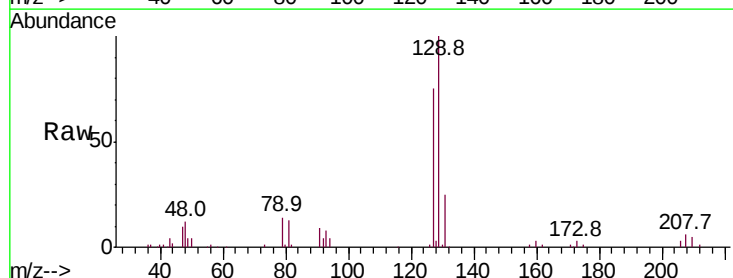
Acq: 25 Jul 2019 15:02

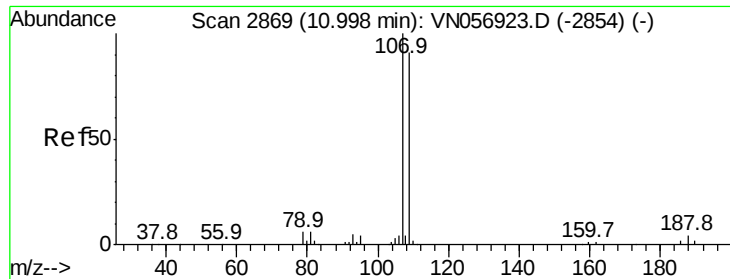
Tgt Ion: 129 Resp: 89835

Ion Ratio Lower Upper

129 100

127 77.6 38.4 115.2





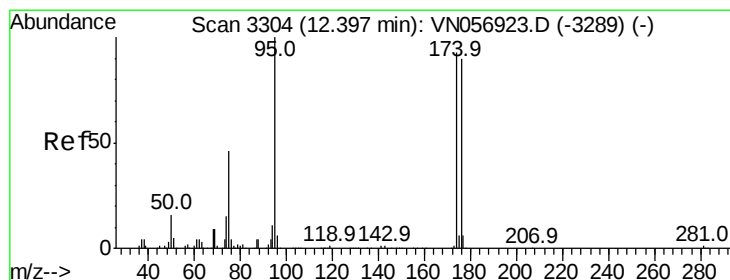
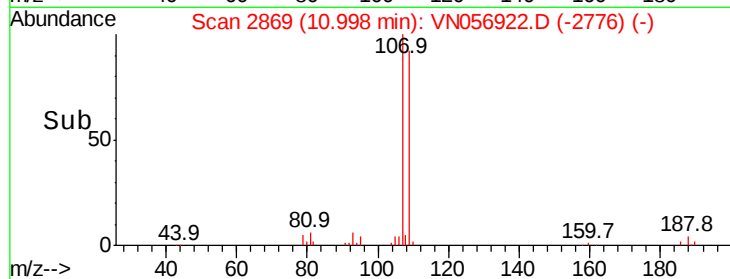
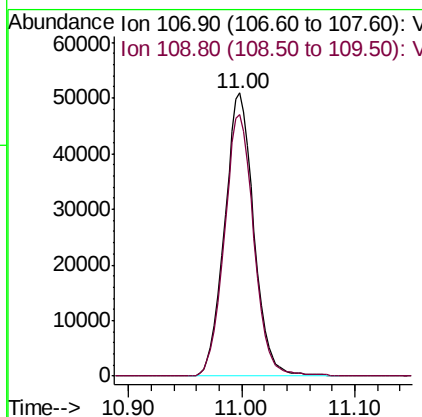
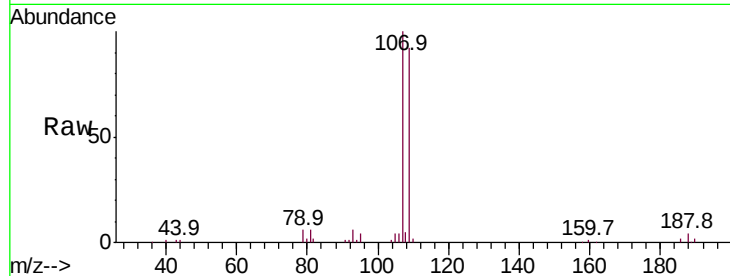
#61
 1,2-Dibromoethane
 Concen: 19.441 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. -0.00 min
 Lab File: VN056922.D
 Acq: 25 Jul 2019 15:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.0	74.8	112.2

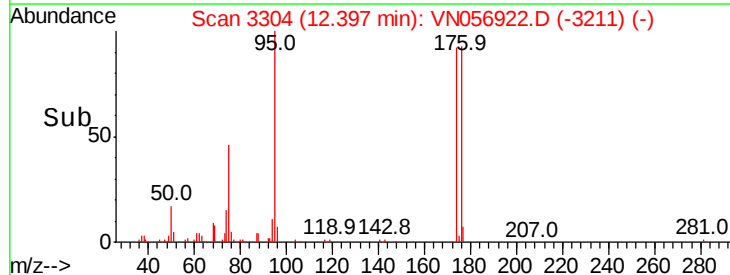
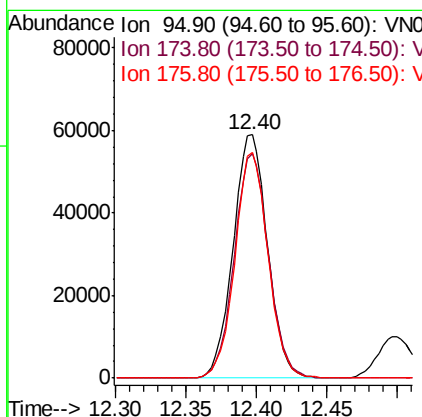
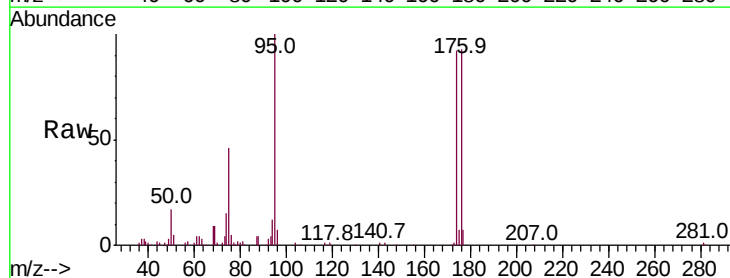
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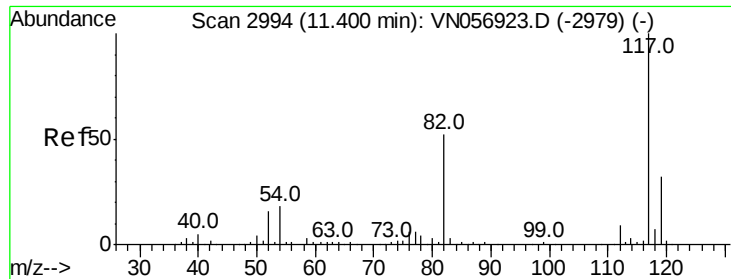
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 18.213 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN056922.D
 Acq: 25 Jul 2019 15:02

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.5	0.0	186.2
176	89.4	0.0	179.6





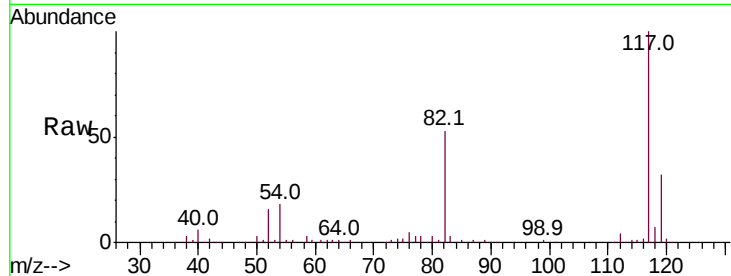
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN056922.D
Acq: 25 Jul 2019 15:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.0	41.7	62.5
119	31.9	25.5	38.3

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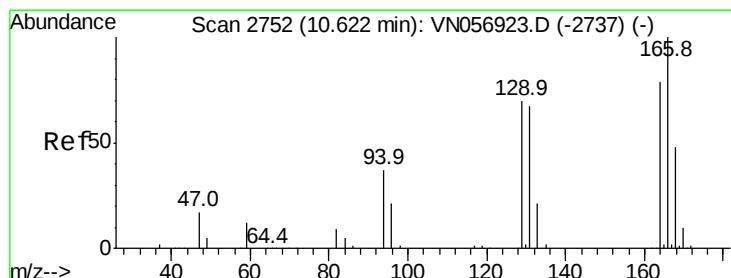
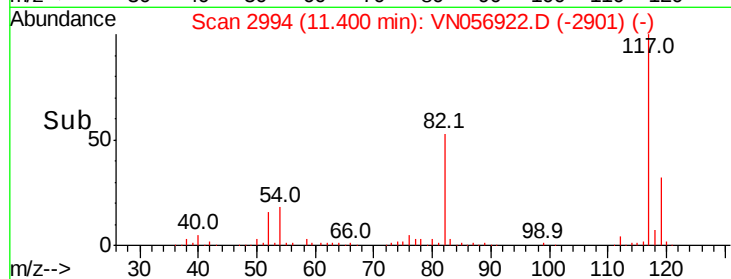
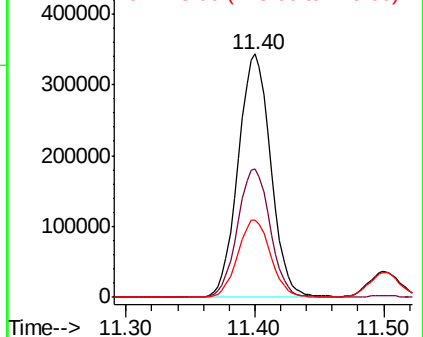


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 21.241 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN056922.D
Acq: 25 Jul 2019 15:02

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.8	101.6	152.4
129	90.3	70.9	106.3
131	87.8	68.4	102.6

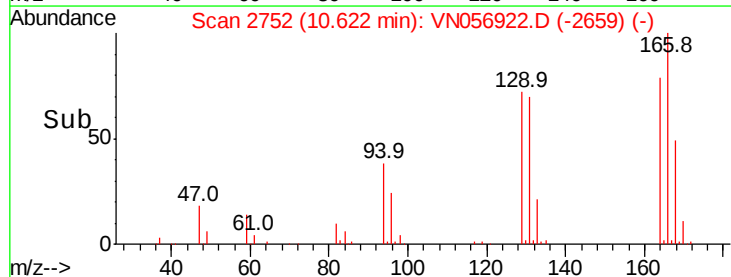
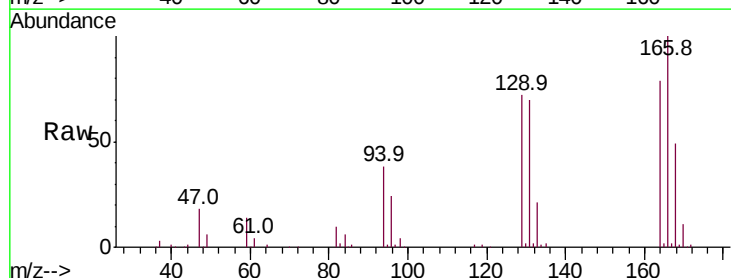
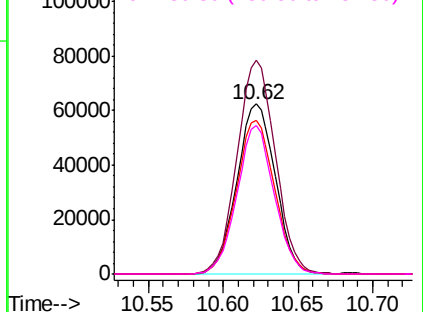
Abundance

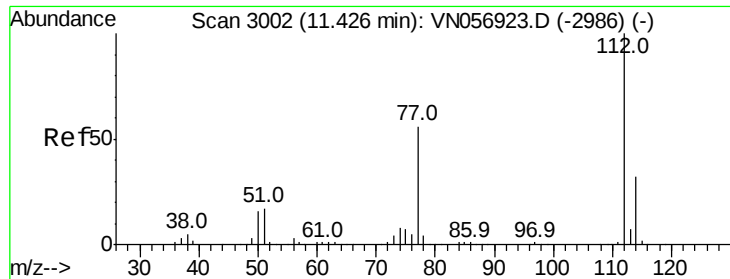
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





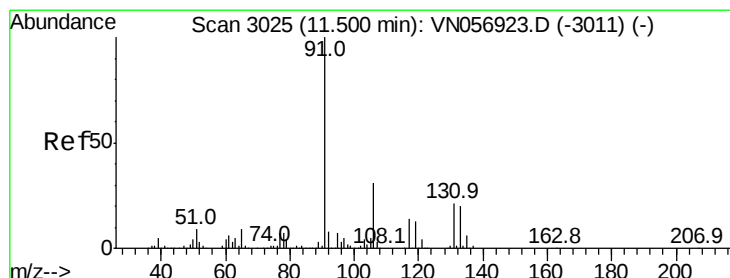
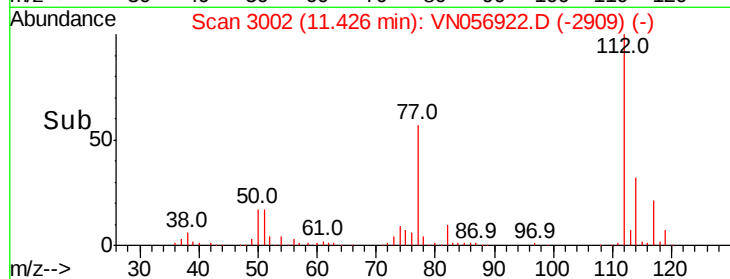
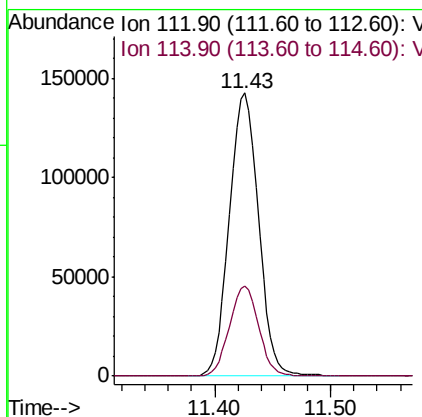
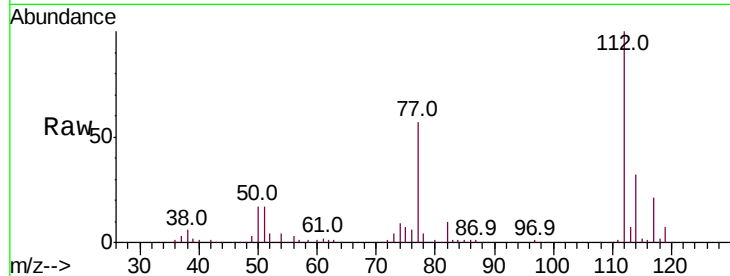
#65
Chlorobenzene
Concen: 19.640 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN056922.D
Acq: 25 Jul 2019 15:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion:112 Resp: 247969
Ion Ratio Lower Upper
112 100
114 32.0 25.8 38.8

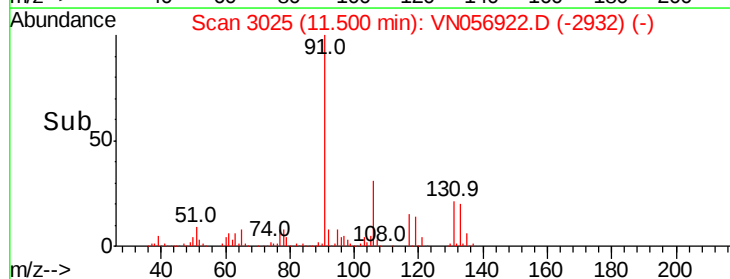
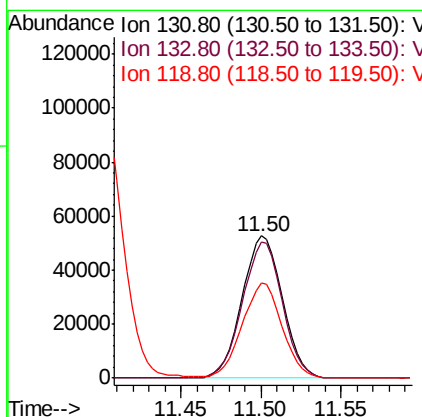
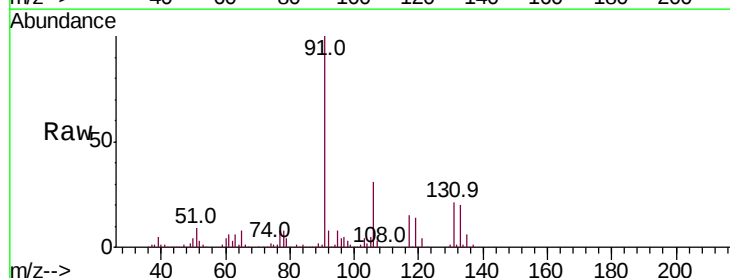
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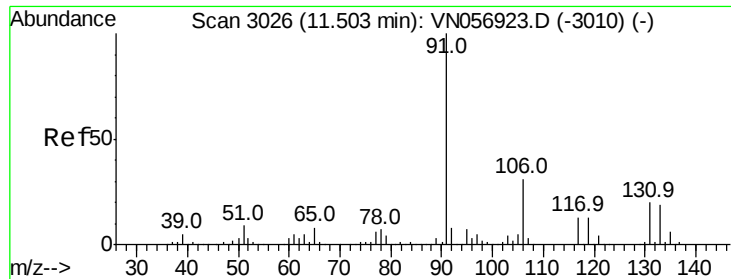
MMDadoda
7/26/2019 3:36:49 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.108 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN056922.D
Acq: 25 Jul 2019 15:02

Tgt Ion:131 Resp: 91022
Ion Ratio Lower Upper
131 100
133 94.9 47.1 141.4
119 66.0 32.6 98.0





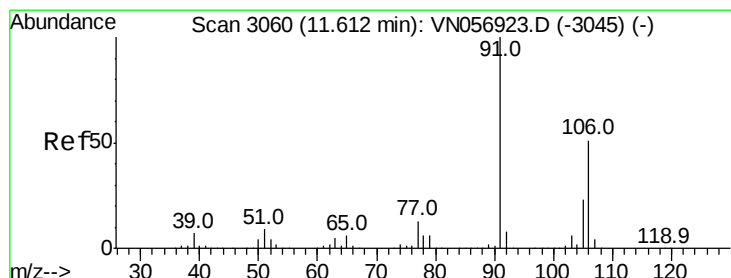
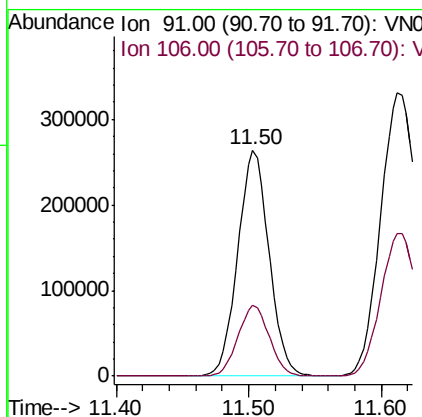
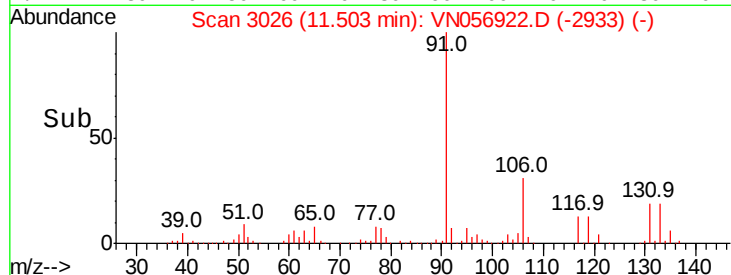
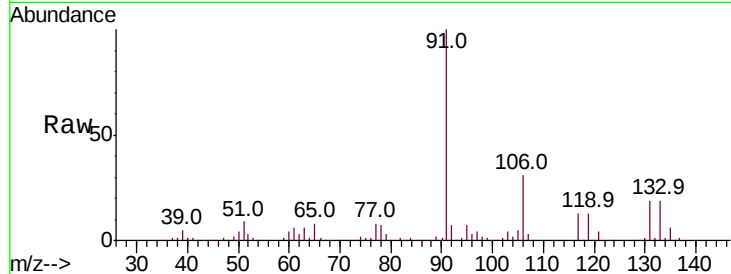
#67
Ethyl Benzene
Concen: 19.792 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN056922.D
Acq: 25 Jul 2019 15:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 431835
Ion Ratio Lower Upper
91 100
106 31.2 24.9 37.3

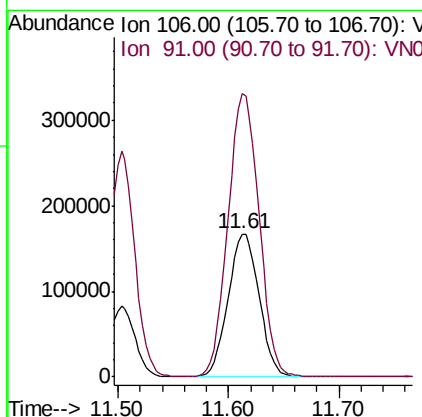
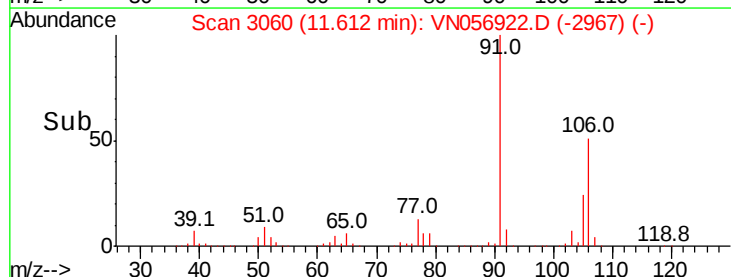
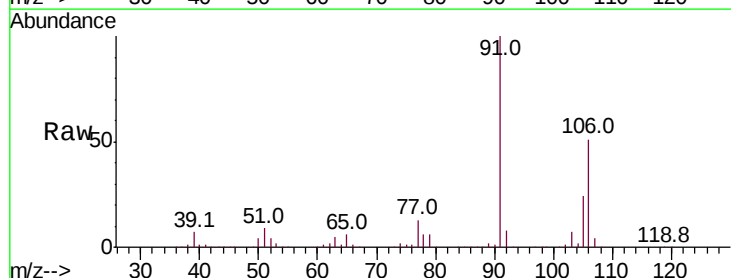
Manual Integrations
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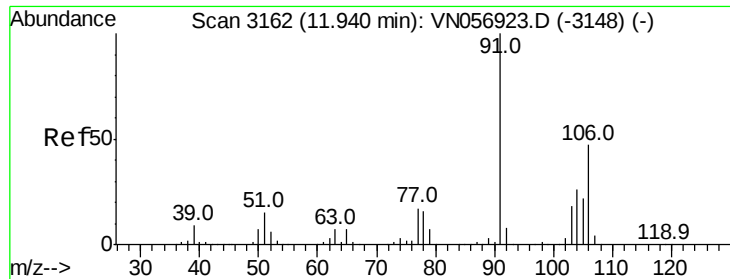
MMDadoda
7/26/2019 3:36:49 PM



#68
m/p-Xylenes
Concen: 39.754 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. -0.00 min
Lab File: VN056922.D
Acq: 25 Jul 2019 15:02

Tgt Ion: 106 Resp: 324816
Ion Ratio Lower Upper
106 100
91 198.8 159.6 239.4





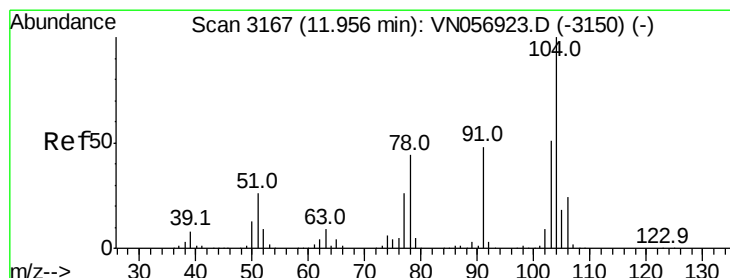
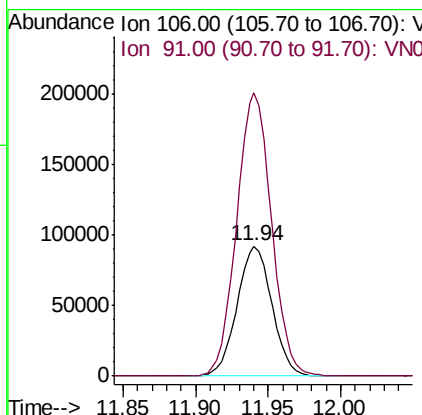
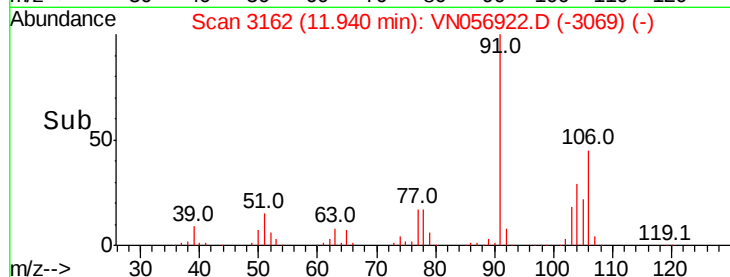
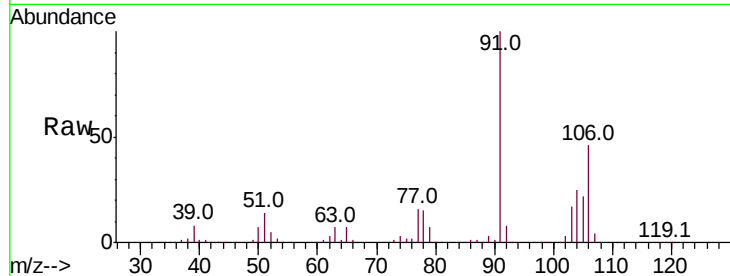
#69
o-Xylene
Concen: 19.369 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN056922.D
Acq: 25 Jul 2019 15:02

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion:106 Resp: 154128
Ion Ratio Lower Upper
106 100
91 217.2 105.7 317.0

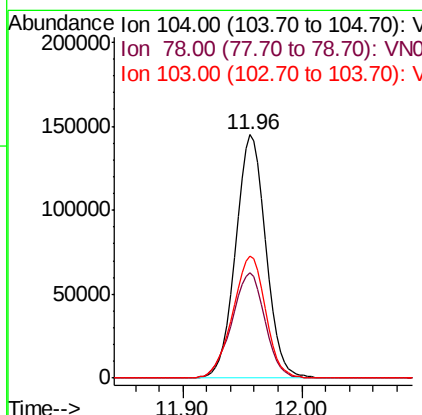
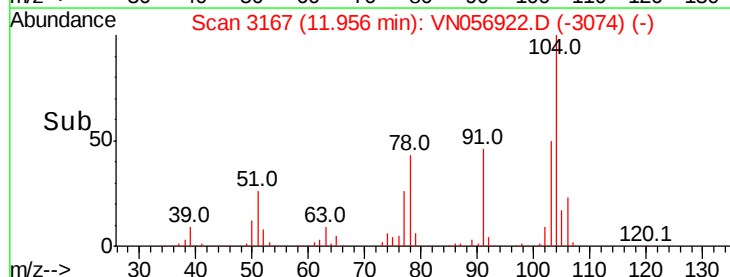
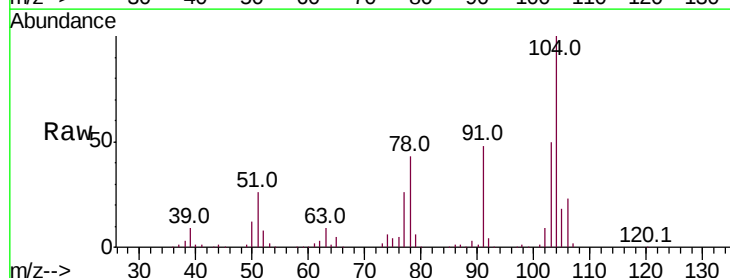
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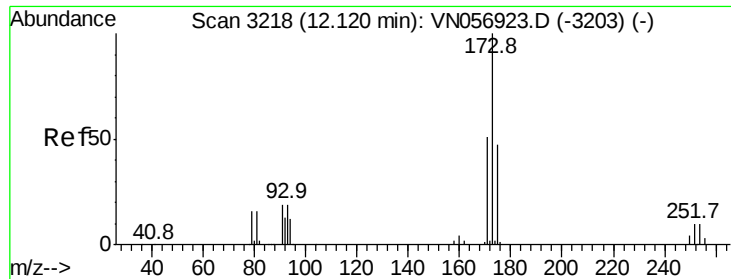
MMDadoda
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#70
Styrene
Concen: 20.079 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN056922.D
Acq: 25 Jul 2019 15:02

Tgt Ion:104 Resp: 254800
Ion Ratio Lower Upper
104 100
78 47.6 38.5 57.7
103 54.6 44.1 66.1





#71

Bromoform

Concen: 18.237 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. -0.00 min

Lab File: VN056922.D

Acq: 25 Jul 2019 15:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:173 Resp: 59804

Ion Ratio Lower Upper

173 100

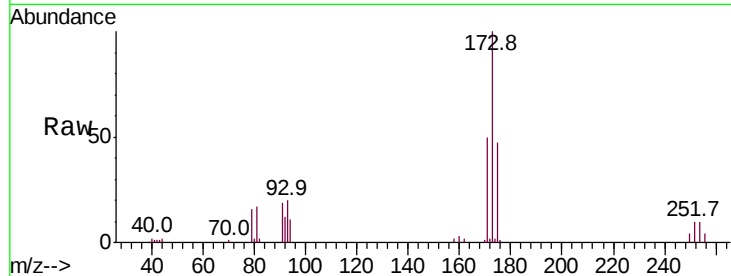
175 47.8 24.2 72.6

254 0.0 0.1 0.1#

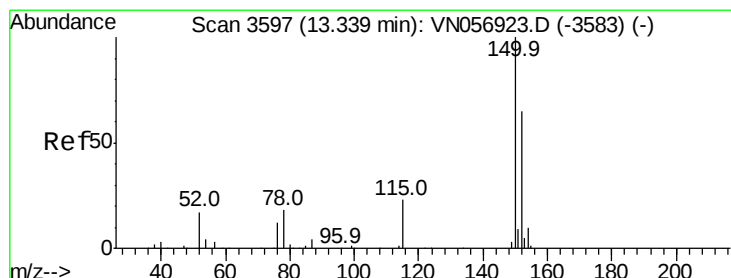
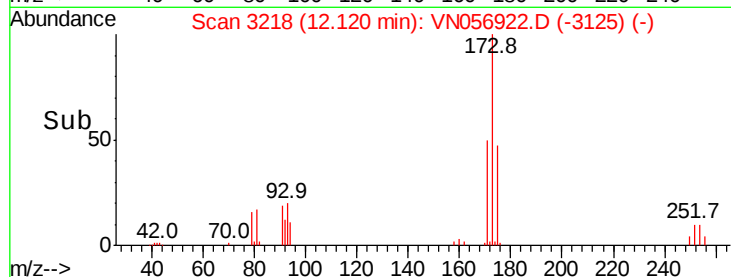
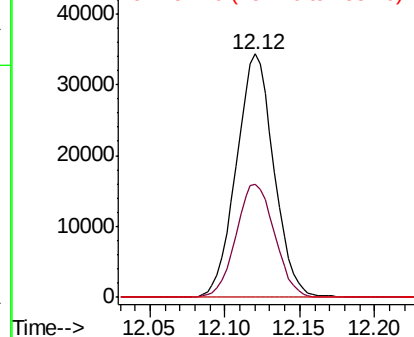
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN056922.D

Acq: 25 Jul 2019 15:02

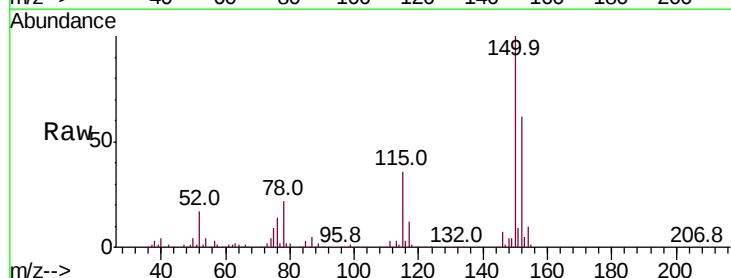
Tgt Ion:152 Resp: 241373

Ion Ratio Lower Upper

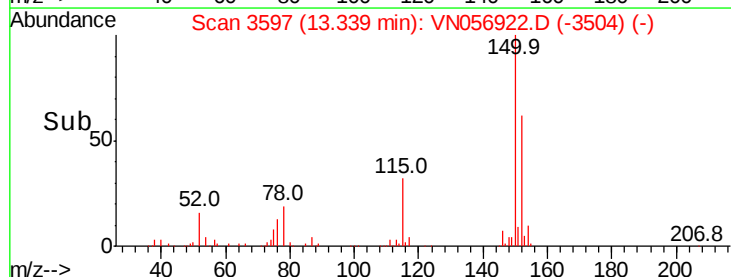
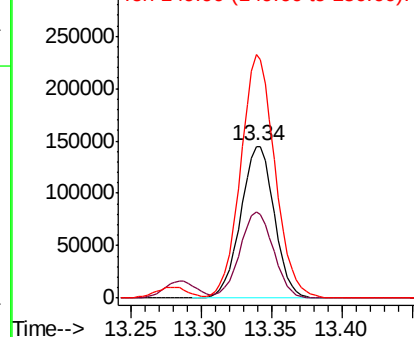
152 100

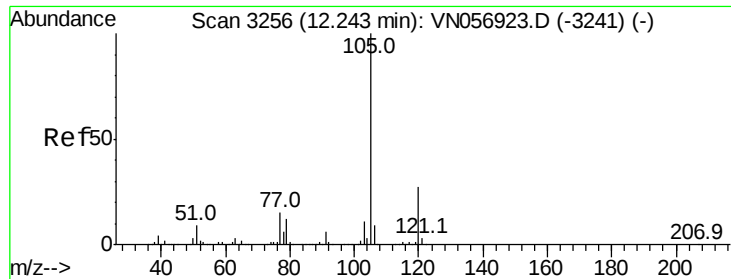
115 57.0 27.9 83.7

150 163.3 0.0 354.2



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: 19.663 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN056922.D

Acq: 25 Jul 2019 15:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 418350

Ion Ratio Lower Upper

105 100

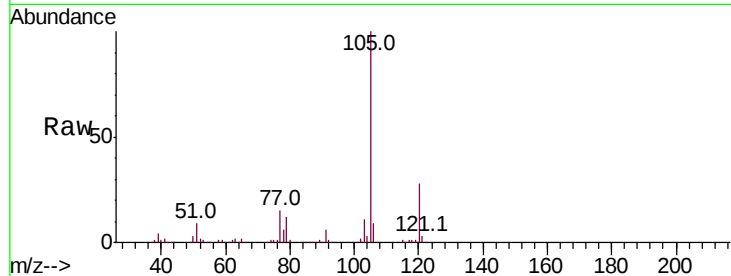
120 27.1 13.4 40.1

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

300000

250000

200000

150000

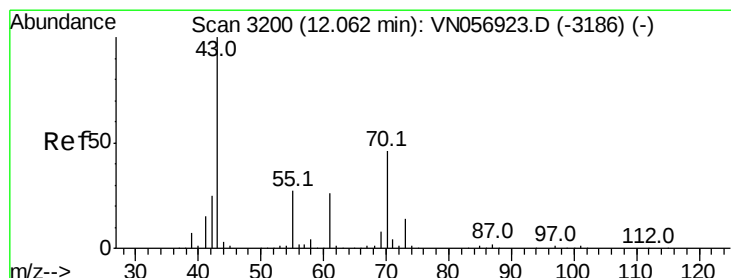
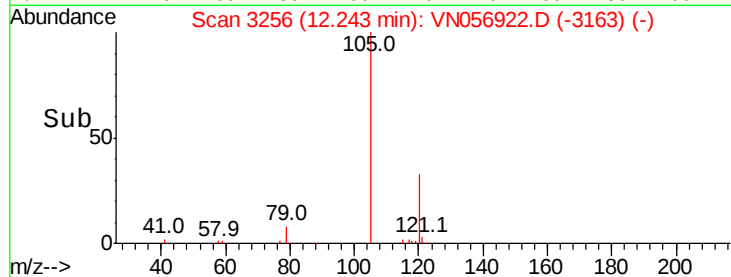
100000

50000

0

12.15 12.20 12.25 12.30

Time-->



#74

N-ethyl acetate

Concen: 16.438 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN056922.D

Acq: 25 Jul 2019 15:02

Tgt Ion: 43 Resp: 115766

Ion Ratio Lower Upper

43 100

70 45.5 35.9 53.9

55 27.3 21.4 32.2

61 24.9 20.3 30.5

Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

100000

80000

60000

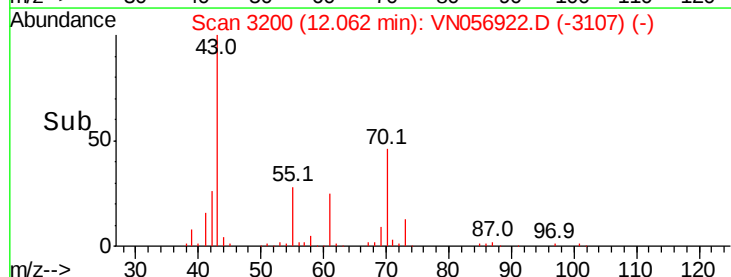
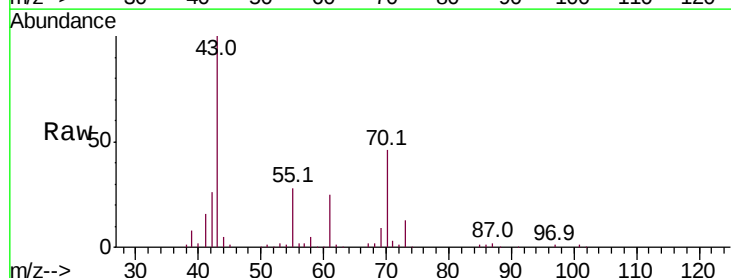
40000

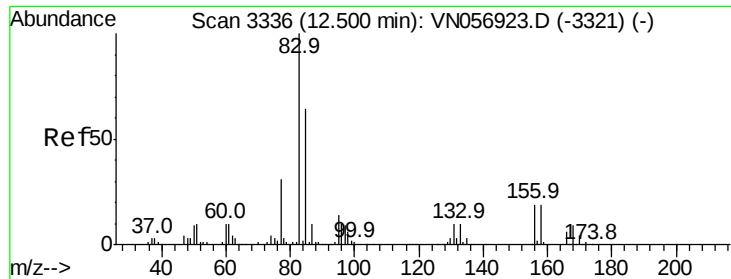
20000

0

12.00 12.05 12.10 12.15

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 17.815 ug/l

RT: 12.50 min Scan# 3335

Delta R.T. -0.00 min

Lab File: VN056922.D

Acq: 25 Jul 2019 15:02

Instrument :

MSVOA_N

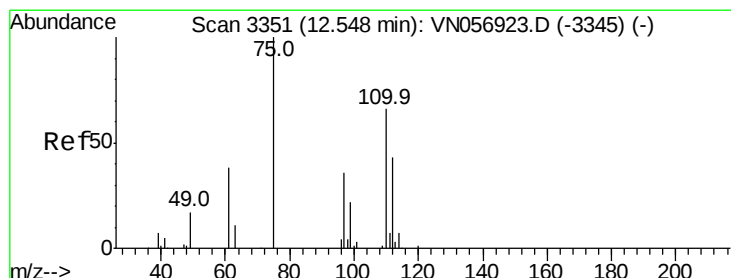
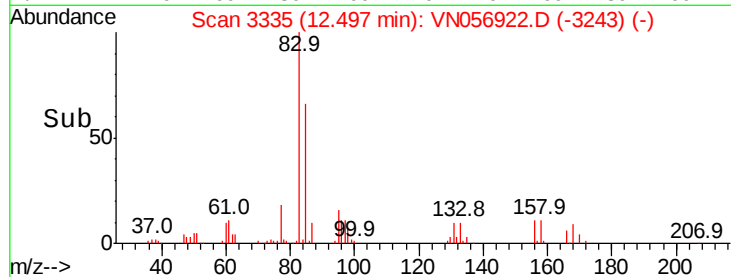
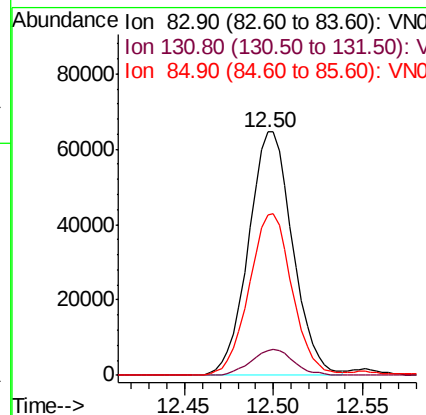
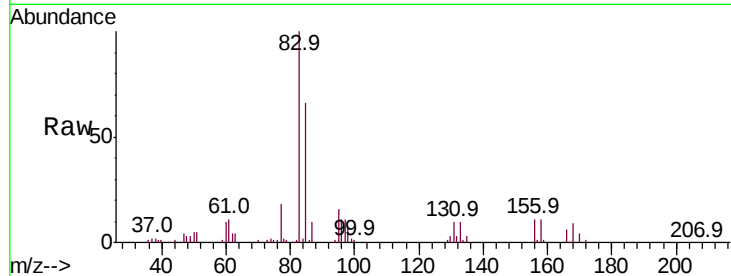
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	111381
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.3	15.8
85	64.8	32.3	96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 18.935 ug/l m

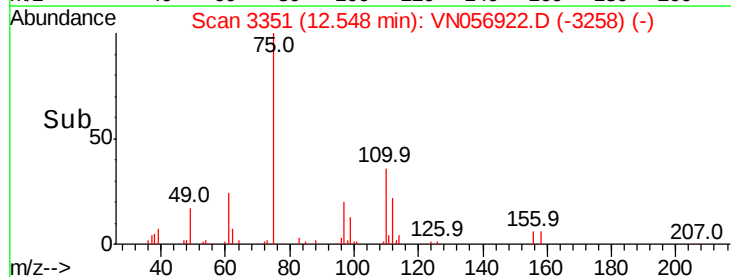
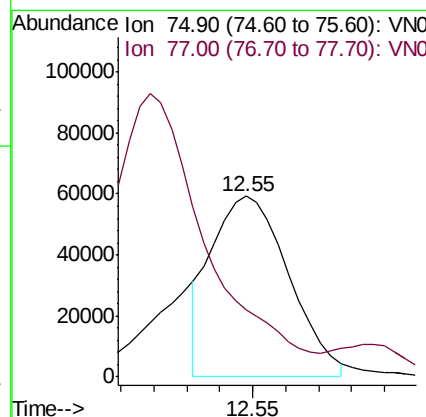
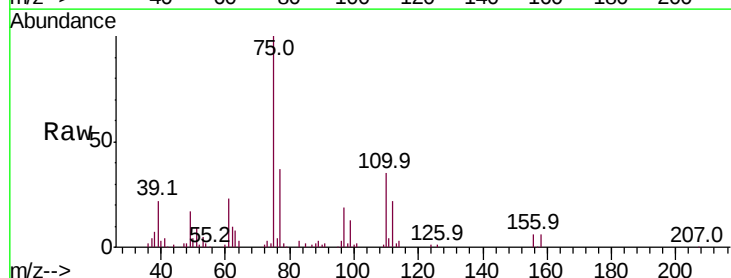
RT: 12.55 min Scan# 3351

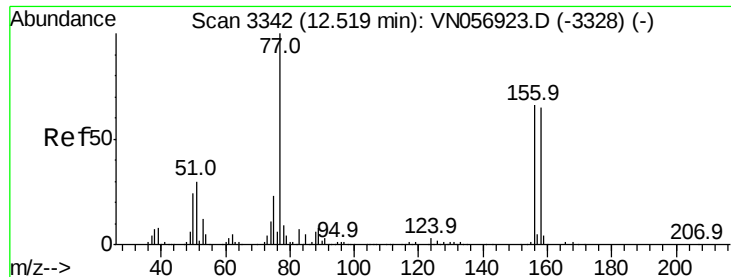
Delta R.T. -0.00 min

Lab File: VN056922.D

Acq: 25 Jul 2019 15:02

Tgt Ion:	75	Resp:	96322
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.980 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN056922.D

Acq: 25 Jul 2019 15:02

Instrument :

MSVOA_N

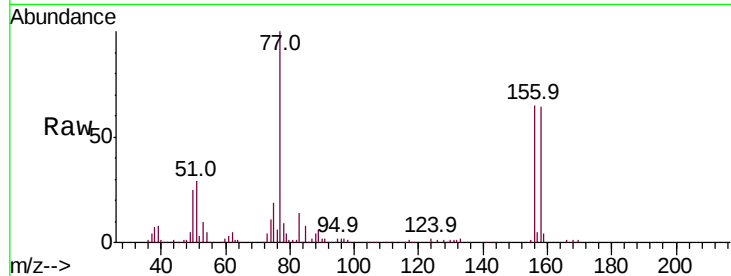
ClientSampleId :

VSTDIC020

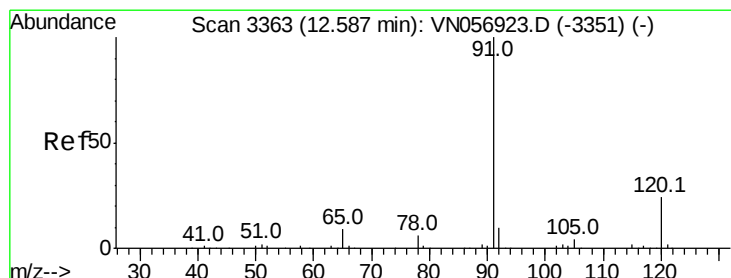
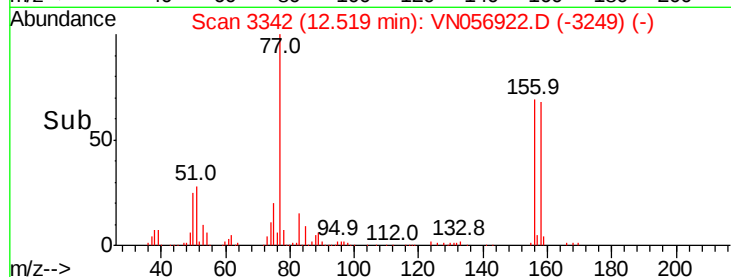
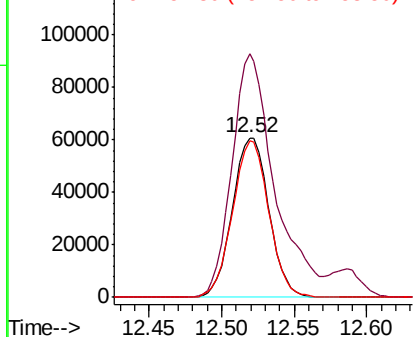
Tot Ion:	156	Resp:	106055
Ion Ratio	Lower	Upper	
156	100		
77	179.4	90.8	272.3
158	97.5	49.5	148.5

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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.098 ug/l

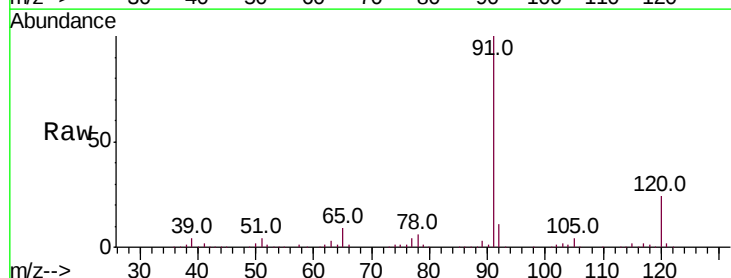
RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

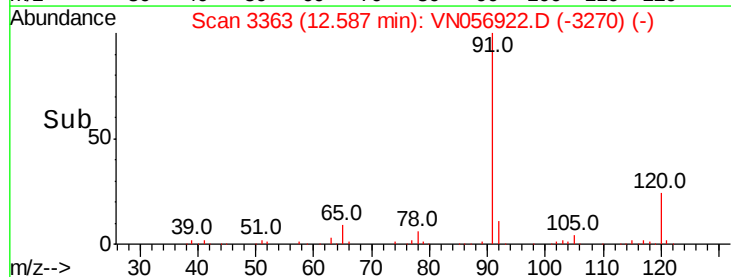
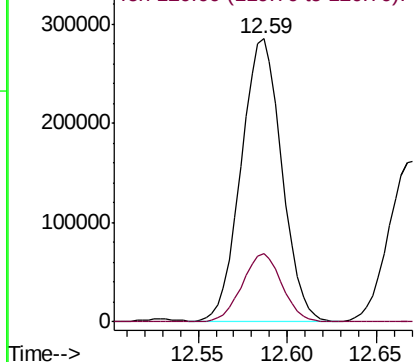
Lab File: VN056922.D

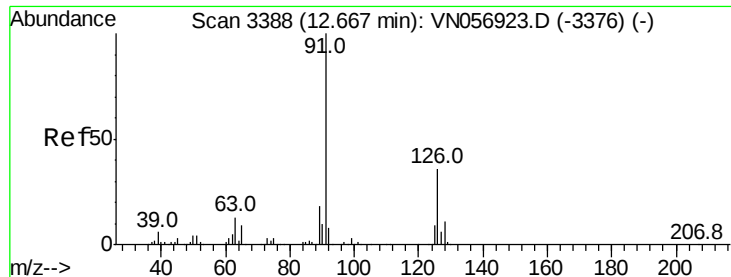
Acq: 25 Jul 2019 15:02

Tgt Ion:	91	Resp:	451087
Ion Ratio	Lower	Upper	
91	100		
120	23.8	11.9	35.7



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.510 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN056922.D

Acq: 25 Jul 2019 15:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 273634

Ion Ratio Lower Upper

91 100

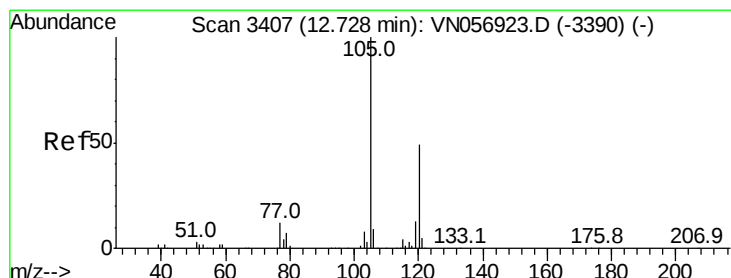
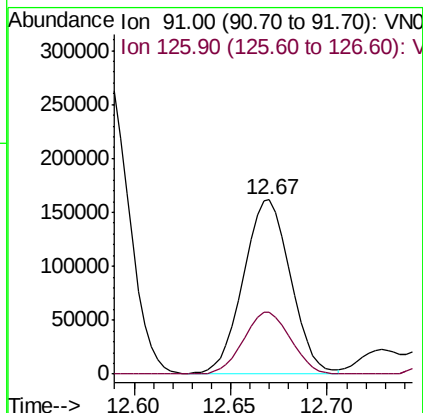
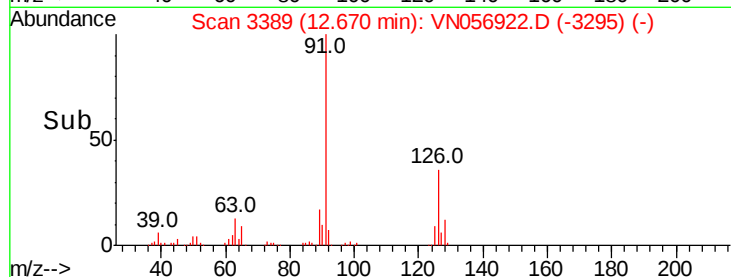
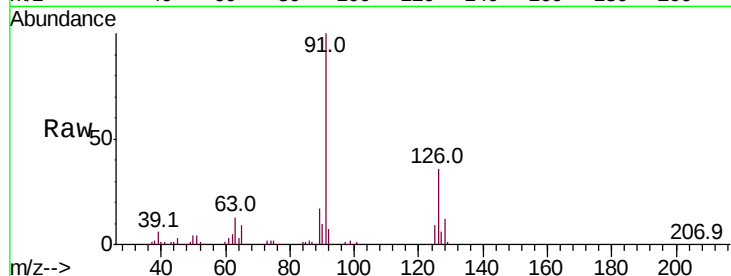
126 35.6 17.9 53.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 19.845 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN056922.D

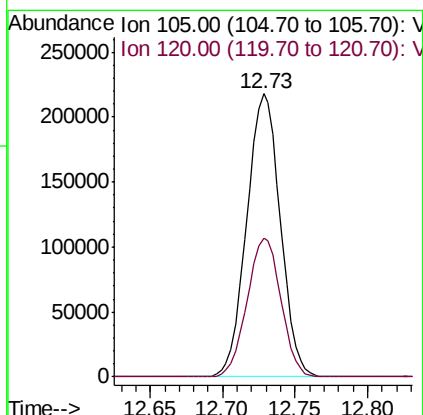
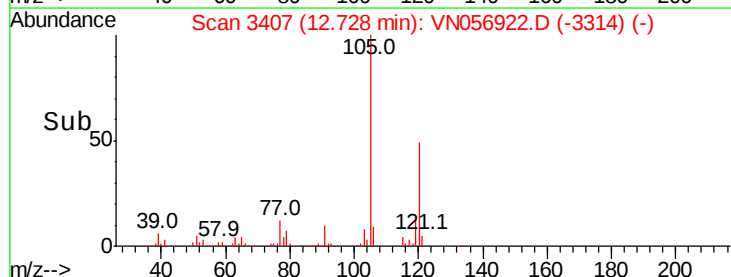
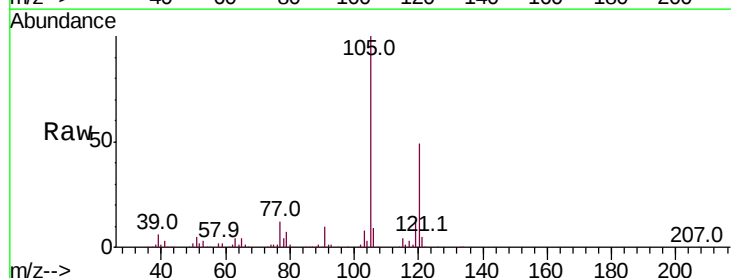
Acq: 25 Jul 2019 15:02

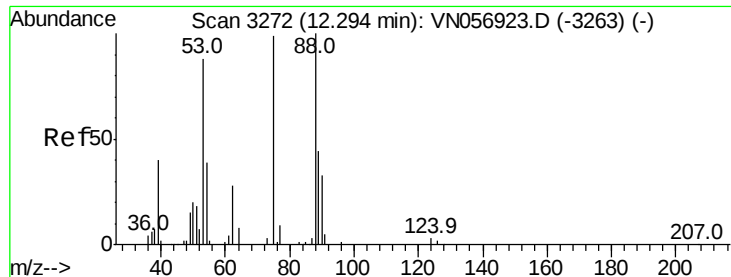
Tgt Ion: 105 Resp: 351874

Ion Ratio Lower Upper

105 100

120 49.3 24.9 74.7





#81

trans-1,4-Dichloro-2-butene

Concen: 17.299 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. -0.00 min

Lab File: VN056922.D

Acq: 25 Jul 2019 15:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 75 Resp: 27044

Ion Ratio Lower Upper

75 100

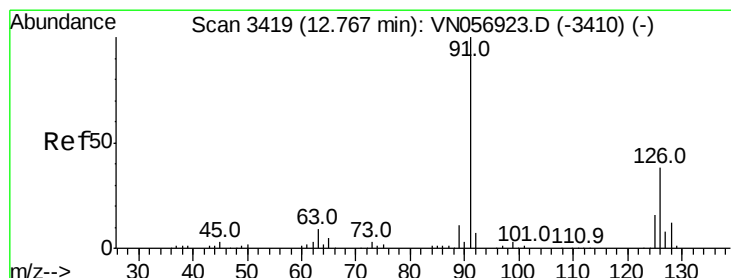
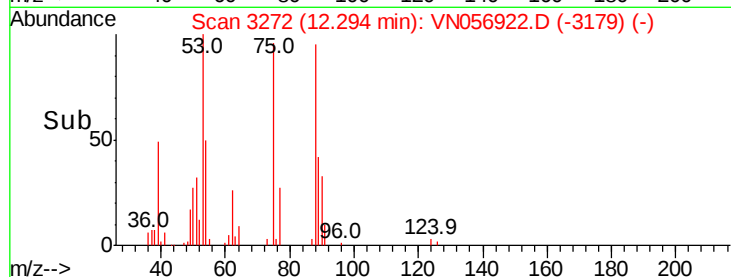
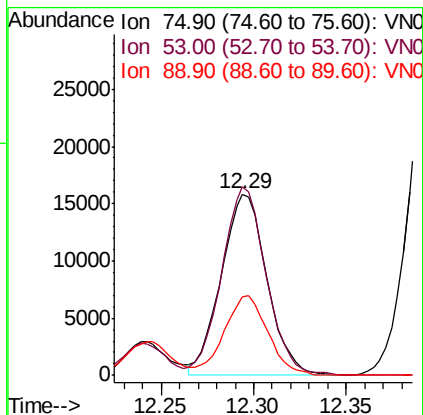
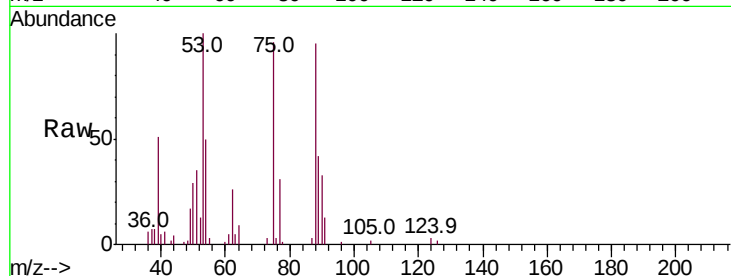
53 102.1 72.3 108.5

89 41.7 36.2 54.2

Manual Integrations
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7/26/2019 3:36:49 PM



#82

4-Chlorotoluene

Concen: 19.312 ug/l

RT: 12.77 min Scan# 3419

Delta R.T. -0.00 min

Lab File: VN056922.D

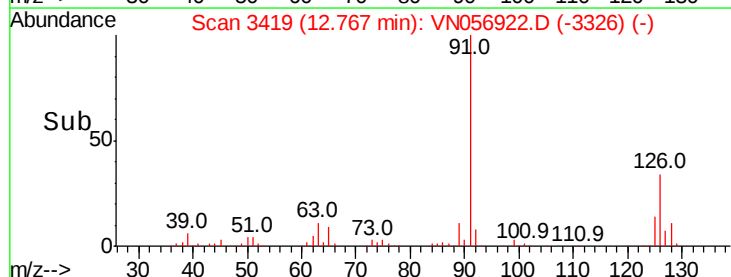
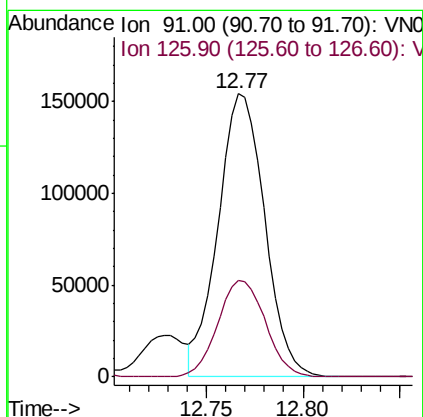
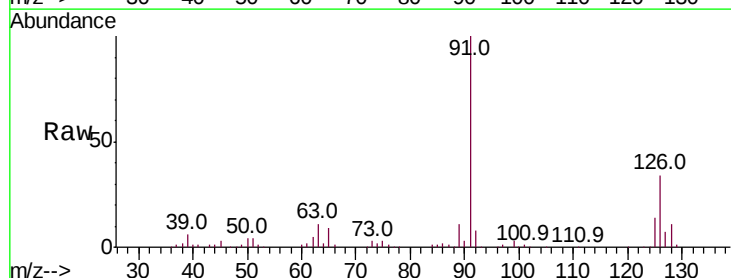
Acq: 25 Jul 2019 15:02

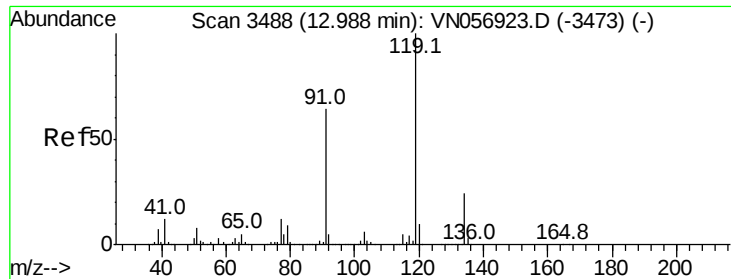
Tgt Ion: 91 Resp: 257244

Ion Ratio Lower Upper

91 100

126 35.0 17.3 51.7





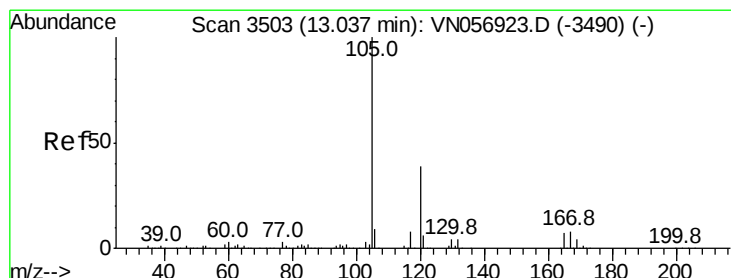
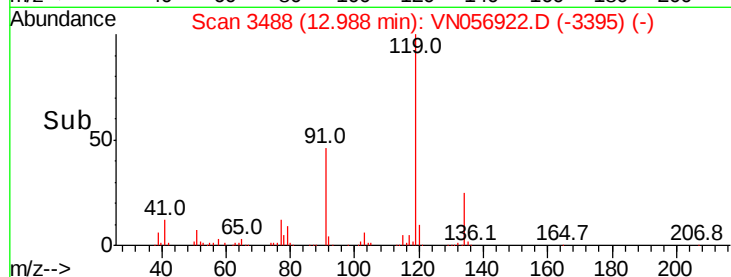
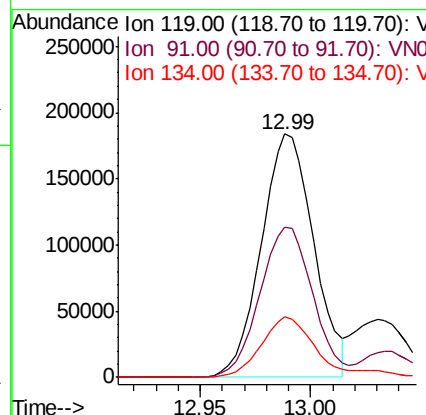
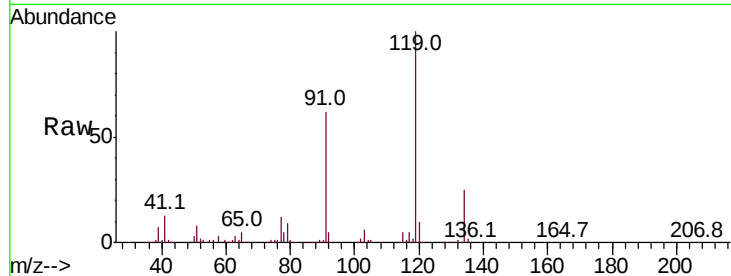
#83
tert-Butylbenzene
Concen: 19.537 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. -0.00 min
Lab File: VN056922.D
Acq: 25 Jul 2019 15:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.5	31.6	95.0
134	26.5	13.2	39.5

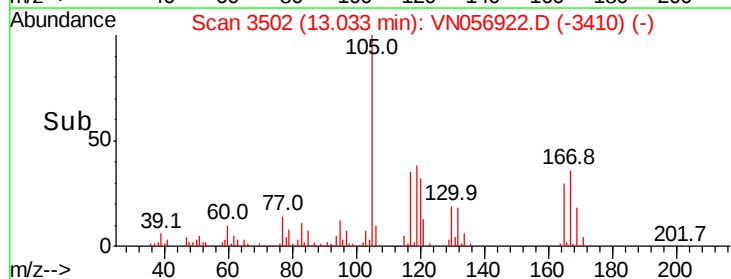
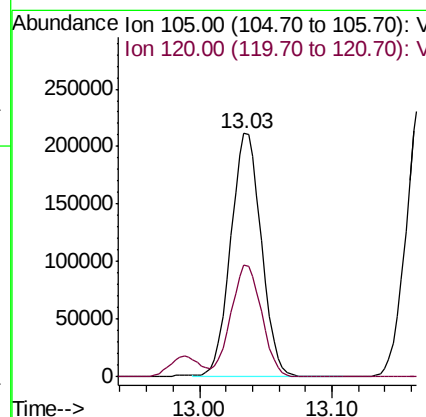
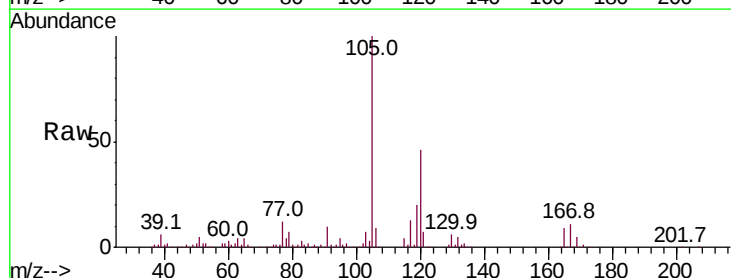
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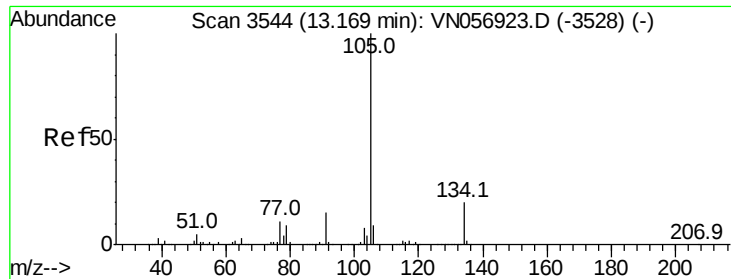
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 20.128 ug/l
RT: 13.03 min Scan# 3502
Delta R.T. -0.00 min
Lab File: VN056922.D
Acq: 25 Jul 2019 15:02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	23.1	69.2





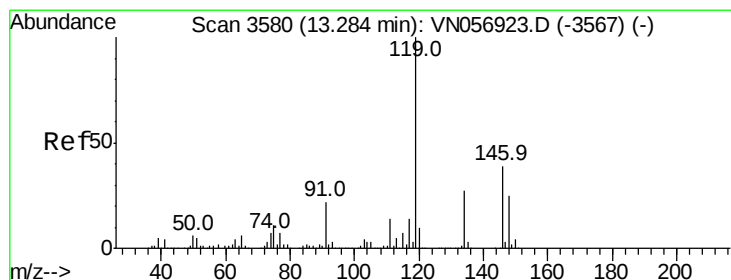
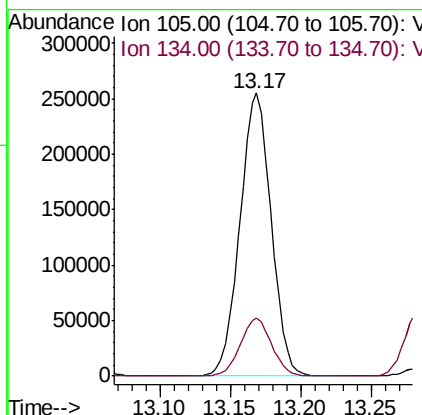
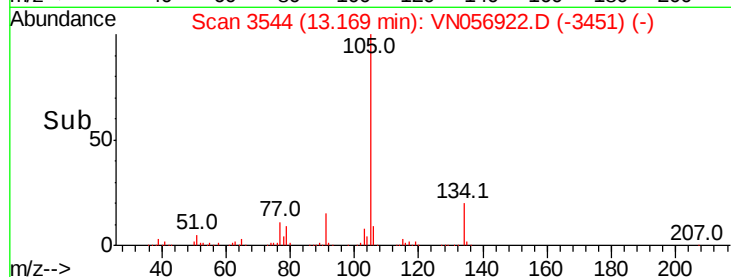
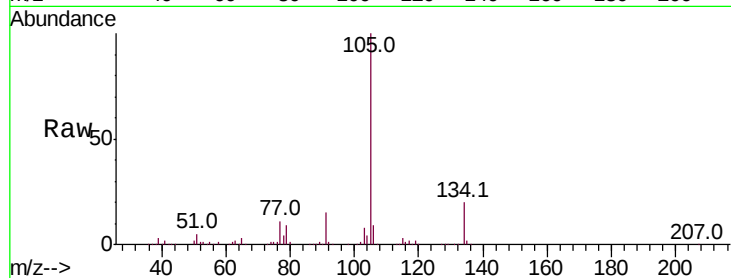
#85
 sec-Butylbenzene
 Concen: 19.918 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. -0.00 min
 Lab File: VN056922.D
 Acq: 25 Jul 2019 15:02

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
105	100	395661		
134	20.5	10.3	30.8	

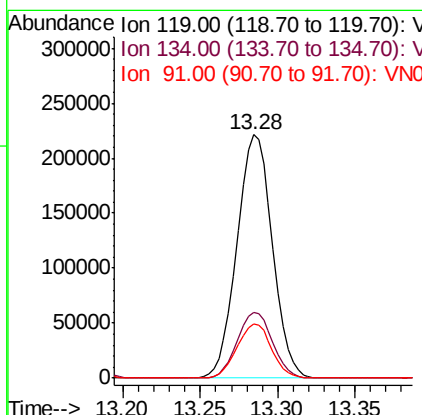
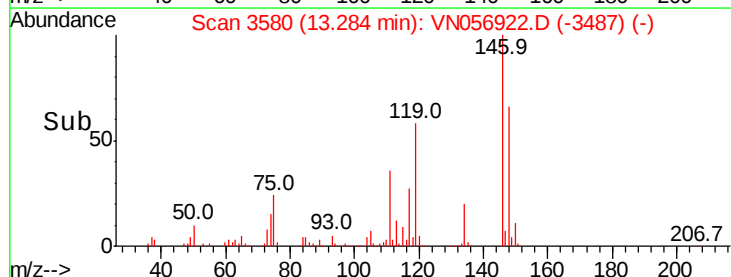
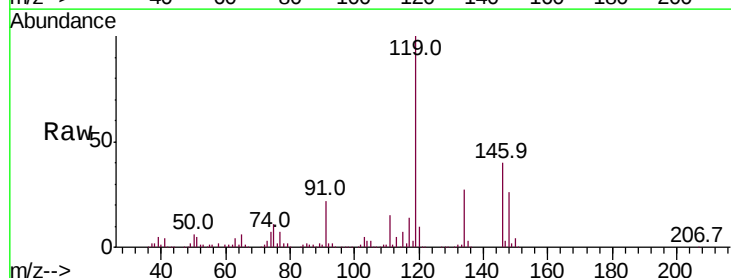
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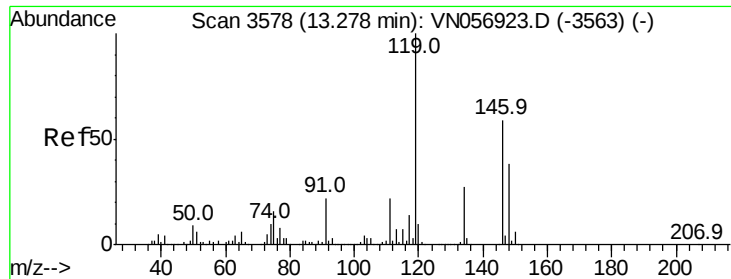
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#86
 p-Isopropyltoluene
 Concen: 19.828 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN056922.D
 Acq: 25 Jul 2019 15:02

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	351404		
134	26.8	13.5	40.5	
91	21.8	11.0	33.0	





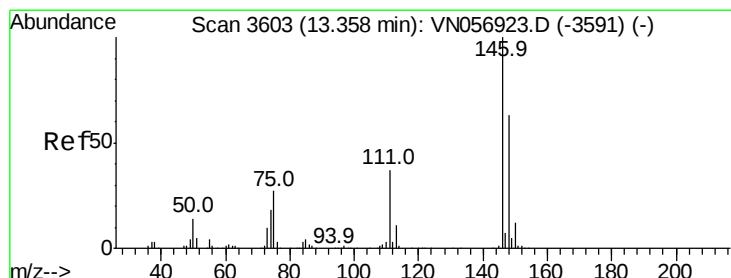
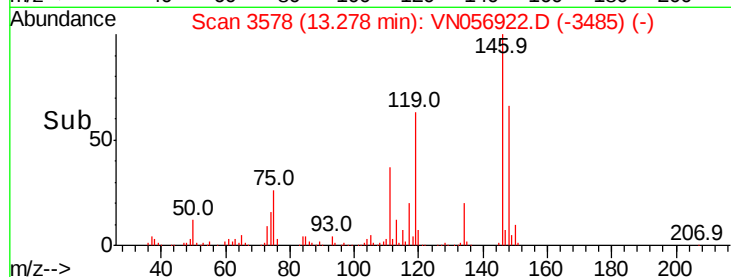
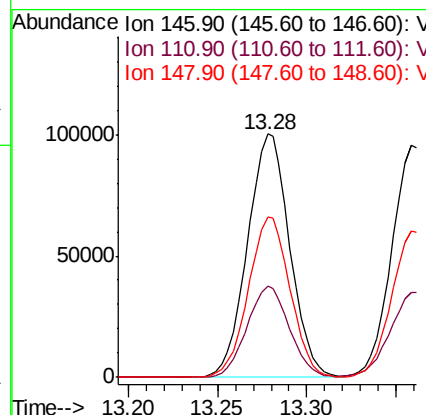
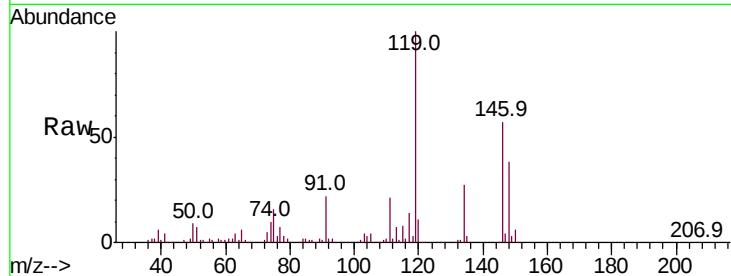
#87
 1,3-Dichlorobenzene
 Concen: 19.471 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. -0.00 min
 Lab File: VN056922.D
 Acq: 25 Jul 2019 15:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	165978		
111	37.7	18.6	56.0	
148	65.1	31.6	94.7	

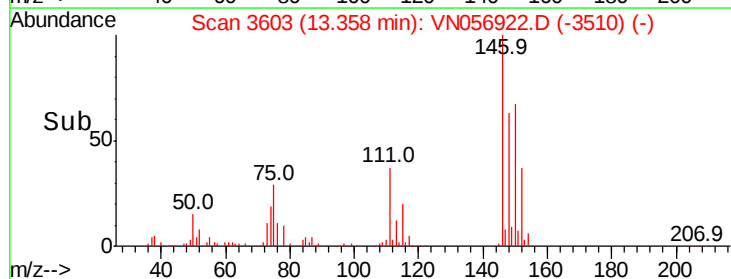
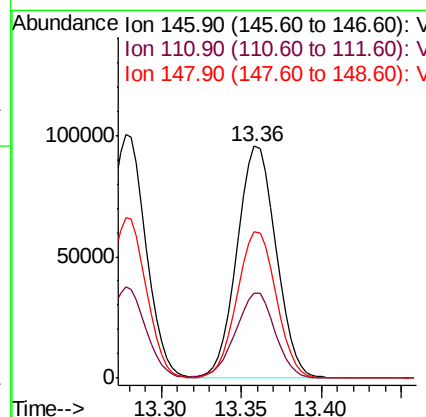
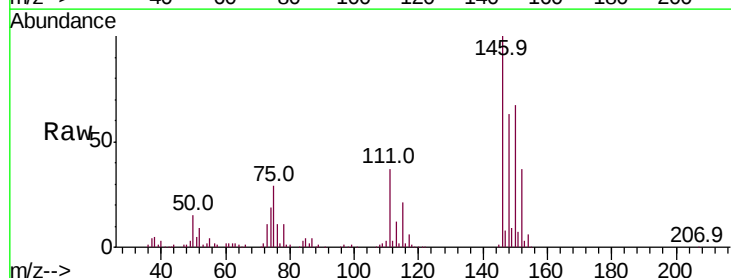
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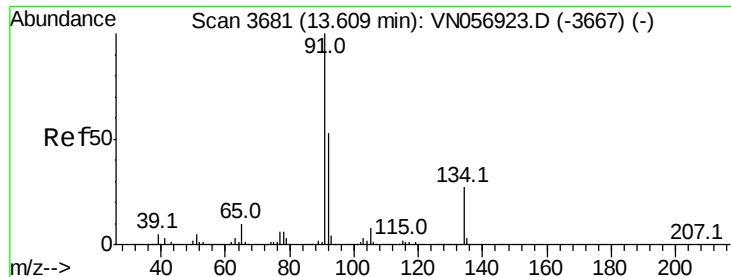
MMDadoda
 7/26/2019 3:36:49 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.297 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN056922.D
 Acq: 25 Jul 2019 15:02

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	159126		
111	37.2	18.9	56.5	
148	63.4	32.1	96.3	





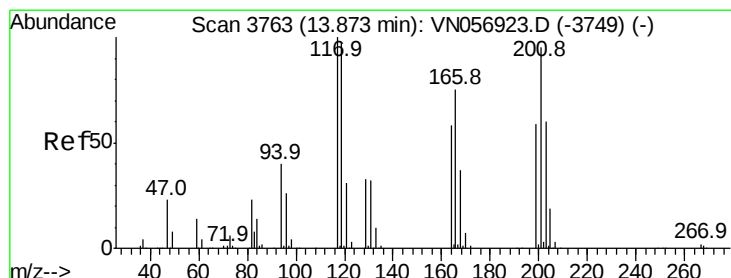
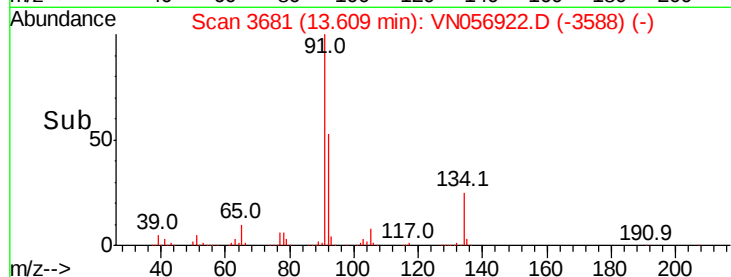
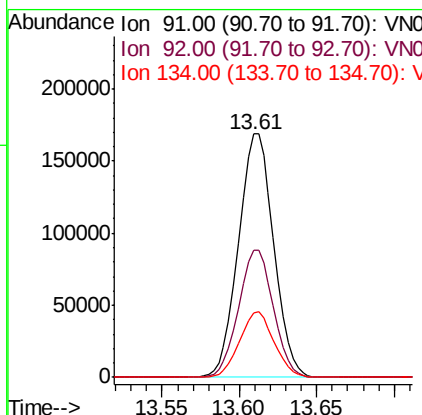
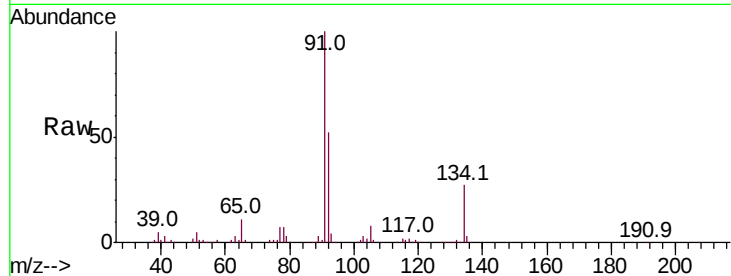
#89
n-Butylbenzene
Concen: 19.696 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN056922.D
Acq: 25 Jul 2019 15:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.5	26.5	79.5
134	26.4	13.5	40.5

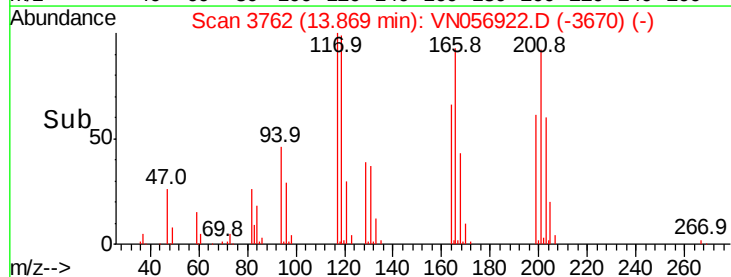
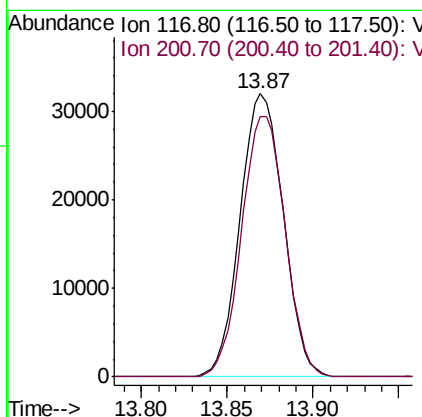
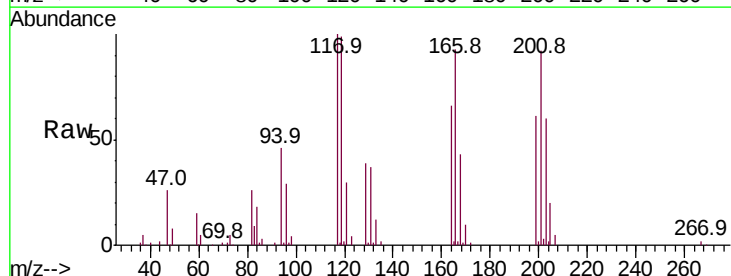
Manual Integrations
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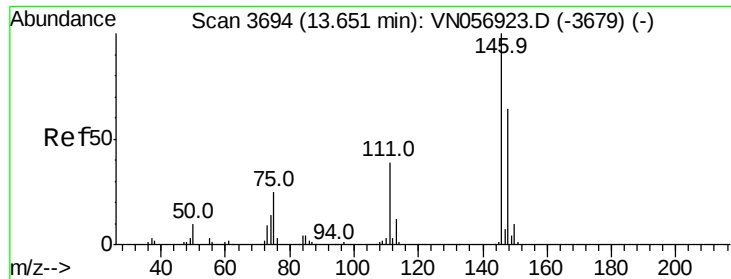
MMDadoda
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#90
Hexachloroethane
Concen: 18.291 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN056922.D
Acq: 25 Jul 2019 15:02

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.0	47.3	142.0





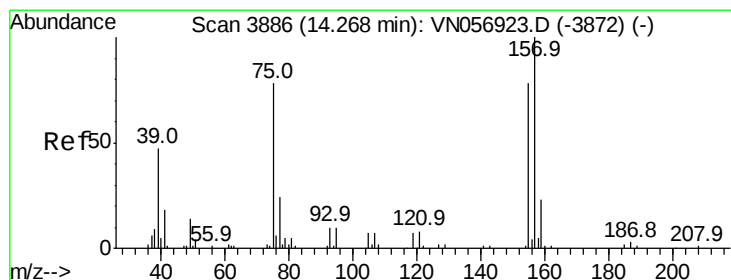
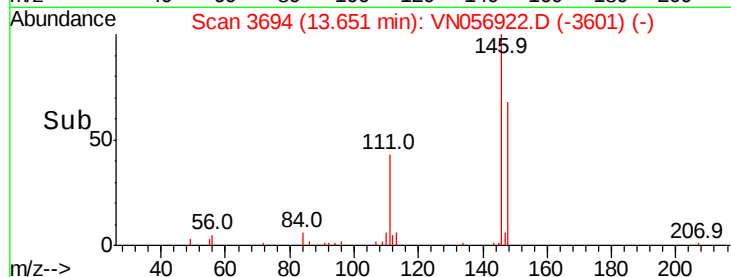
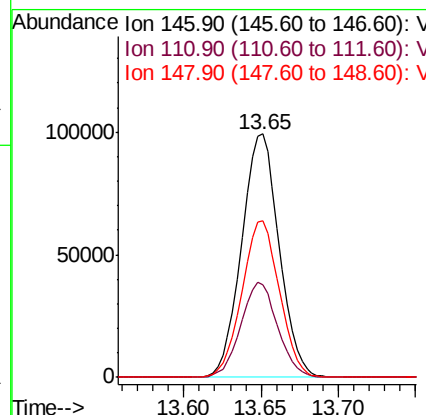
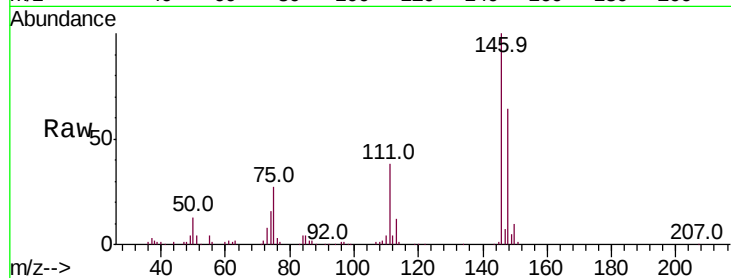
#91
 1,2-Dichlorobenzene
 Concen: 19.567 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN056922.D
 Acq: 25 Jul 2019 15:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.6	58.8
148	64.4	32.2	96.6

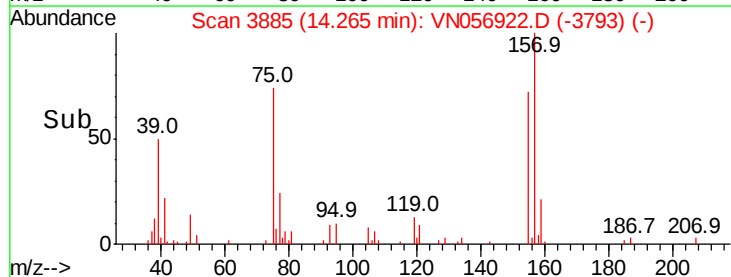
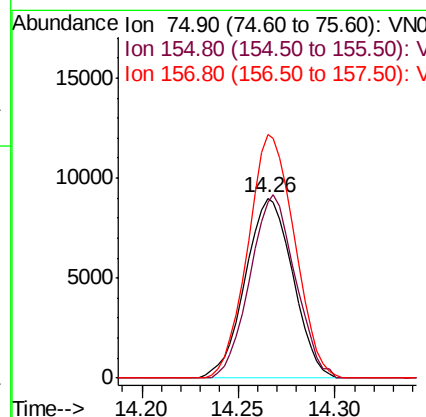
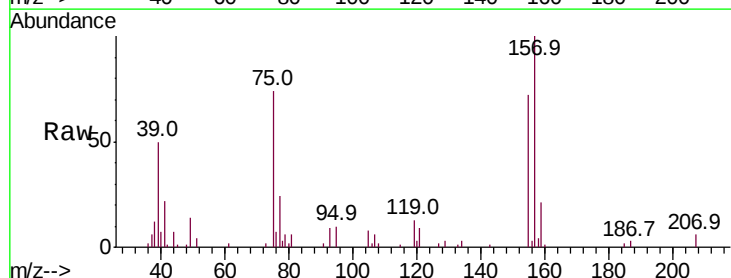
Manual Integrations
 APPROVED

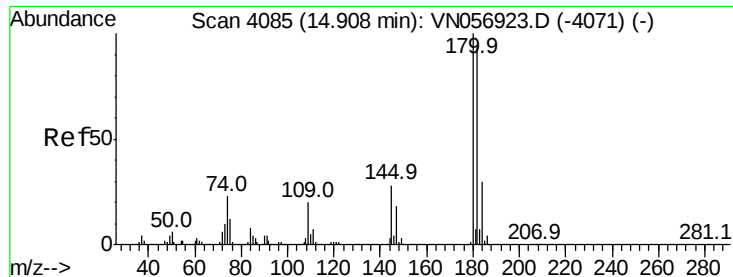
MMDadoda
 7/26/2019 3:36:49 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.624 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VN056922.D
 Acq: 25 Jul 2019 15:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.9	47.3	141.9
157	133.0	63.0	189.0





#93

1,2,4-Trichlorobenzene

Concen: 17.184 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. -0.00 min

Lab File: VN056922.D

Acq: 25 Jul 2019 15:02

Instrument :

MSVOA_N

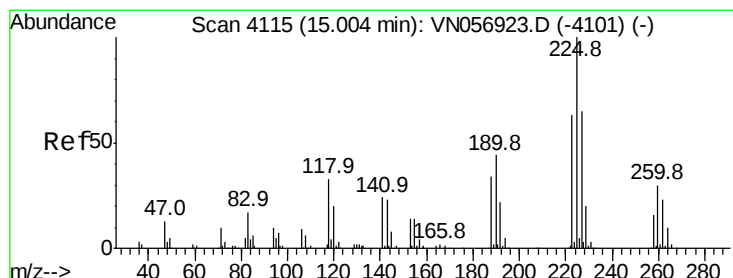
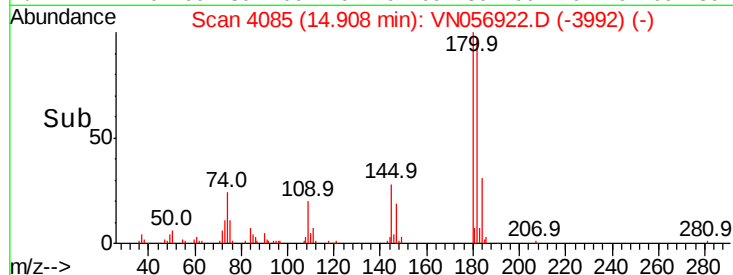
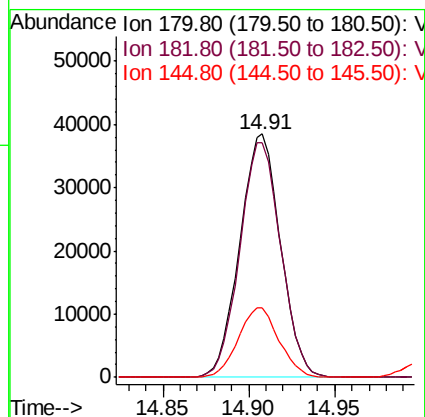
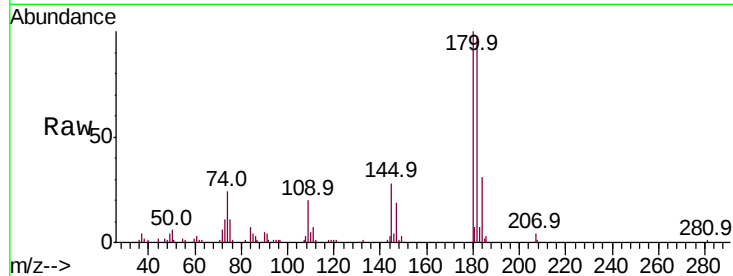
ClientSampleId :

VSTDIC020

Tot Ion:	180	Resp:	63154
Ion Ratio	Lower	Upper	
180	100		
182	97.1	47.9	143.8
145	28.5	14.1	42.4

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#94

Hexachlorobutadiene

Concen: 19.402 ug/l

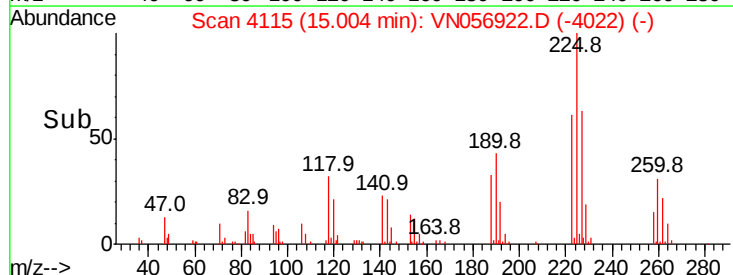
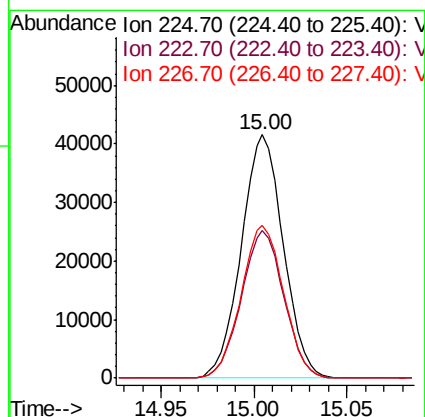
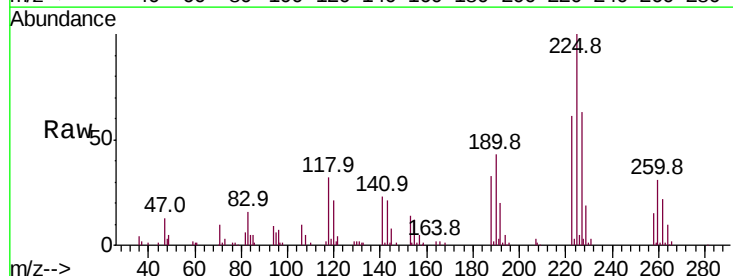
RT: 15.00 min Scan# 4115

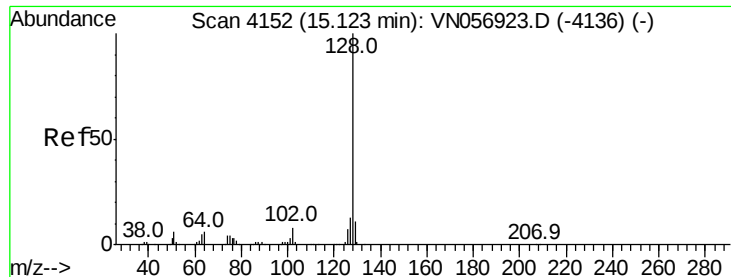
Delta R.T. -0.00 min

Lab File: VN056922.D

Acq: 25 Jul 2019 15:02

Tgt Ion:	225	Resp:	65191
Ion Ratio	Lower	Upper	
225	100		
223	61.3	31.3	93.9
227	63.5	31.9	95.7





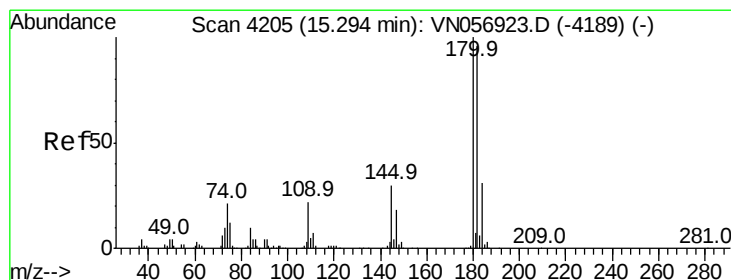
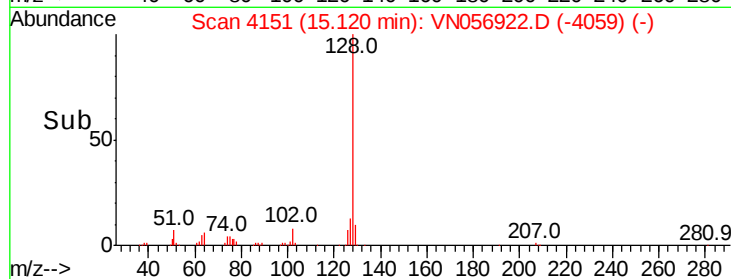
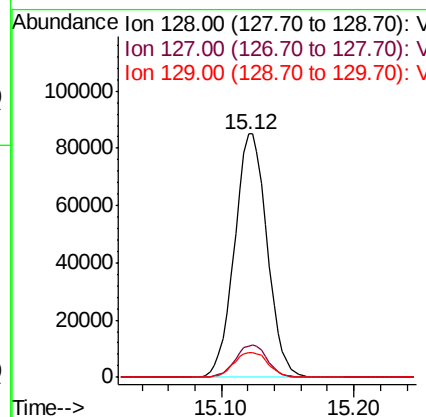
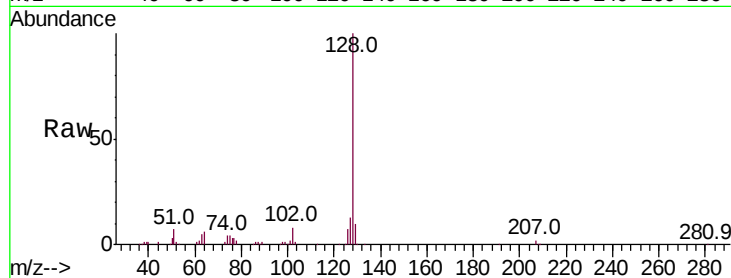
#95
Naphthalene
Concen: 15.020 ug/l
RT: 15.12 min Scan# 4151
Delta R.T. -0.00 min
Lab File: VN056922.D
Acq: 25 Jul 2019 15:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.2
129	10.9	8.6	13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 17.367 ug/l
RT: 15.29 min Scan# 4205
Delta R.T. -0.00 min
Lab File: VN056922.D
Acq: 25 Jul 2019 15:02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	48.4	145.3
145	29.9	15.1	45.3

