

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062519\
 Data File : VN056470.D
 Acq On : 25 Jun 2019 8:38
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/26/2019 9:28:09 AM

Quant Time: Jun 26 03:57:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 03:45:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	374672	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	556859	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	496185	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	219030	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	192876	46.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.90%	
35) Dibromofluoromethane	7.59	113	170333	49.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.06%	
50) Toluene-d8	10.09	98	648942	48.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.02%	
62) 4-Bromofluorobenzene	12.40	95	229230	50.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	152474	48.061	ug/l	99
3) Chloromethane	2.06	50	189289	43.819	ug/l	99
4) Vinyl Chloride	2.18	62	191192	45.825	ug/l	100
5) Bromomethane	2.51	94	91899	37.572	ug/l	100
6) Chloroethane	2.66	64	113464m	46.960	ug/l	
7) Trichlorofluoromethane	2.99	101	258331	47.866	ug/l	98
8) Diethyl Ether	3.40	74	108032	47.297	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	170509	49.542	ug/l	99
10) Methyl Iodide	3.94	142	224831	48.333	ug/l	100
11) Tert butyl alcohol	4.80	59	165362	236.437	ug/l	99
12) 1,1-Dichloroethene	3.72	96	157271	47.517	ug/l	97
13) Acrolein	3.60	56	126843	215.185	ug/l	99
14) Allyl chloride	4.31	41	270883	49.166	ug/l	99
15) Acrylonitrile	4.98	53	456655	236.014	ug/l	100
16) Acetone	3.82	43	535030	257.167	ug/l	100
17) Carbon Disulfide	4.04	76	335426	44.557	ug/l	99
18) Methyl Acetate	4.32	43	194761	47.758	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	533538	48.716	ug/l	99
20) Methylene Chloride	4.54	84	189815	48.369	ug/l	99
21) trans-1,2-Dichloroethene	5.03	96	168455	47.207	ug/l	96
22) Diisopropyl ether	5.95	45	575481	49.735	ug/l	98
23) Vinyl Acetate	5.89	43	2354867	258.030	ug/l	100
24) 1,1-Dichloroethane	5.84	63	326148	49.103	ug/l	100
25) 2-Butanone	6.83	43	690520	250.777	ug/l	99
26) 2,2-Dichloropropane	6.82	77	242132	52.414	ug/l	98
27) cis-1,2-Dichloroethene	6.82	96	204999	49.103	ug/l	100
28) Bromochloromethane	7.19	49	155026	47.187	ug/l	97
29) Tetrahydrofuran	7.21	42	400938	238.273	ug/l	99
30) Chloroform	7.37	83	324516	49.513	ug/l	99
31) Cyclohexane	7.65	56	294363	45.906	ug/l	99
32) 1,1,1-Trichloroethane	7.56	97	262658	50.559	ug/l	100
36) 1,1-Dichloropropene	7.79	75	238065	48.571	ug/l	98
37) Ethyl Acetate	6.93	43	242823	50.412	ug/l	99
38) Carbon Tetrachloride	7.77	117	219953	51.317	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	300387	49.668	ug/l	98
40) Benzene	8.04	78	743775	49.333	ug/l	99
41) Methacrylonitrile	7.18	41	101560m	47.749	ug/l	
42) 1,2-Dichloroethane	8.12	62	242474	48.733	ug/l	99
43) Isopropyl Acetate	8.16	43	390184	52.534	ug/l #	91
44) Trichloroethene	8.83	130	205185	50.522	ug/l	99
45) 1,2-Dichloropropane	9.12	63	205079	50.863	ug/l	100
46) Dibromomethane	9.20	93	128211	50.825	ug/l	99
47) Bromodichloromethane	9.40	83	242052	54.102	ug/l	100
48) Methyl methacrylate	9.20	41	188200	50.564	ug/l	99
49) 1,4-Dioxane	9.20	88	81609	1056.573	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1207654	251.916	ug/l	99
52) Toluene	10.15	92	463821	50.320	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	261363	50.148	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	301569	55.974	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	191522	51.692	ug/l	99
56) Ethyl methacrylate	10.43	69	283982	52.447	ug/l	100
57) 1,3-Dichloropropane	10.71	76	317021	50.933	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	489735	251.764	ug/l	99
59) 2-Hexanone	10.75	43	881928	250.311	ug/l	100
60) Dibromochloromethane	10.90	129	190560	50.036	ug/l	100
61) 1,2-Dibromoethane	11.00	107	194923	51.511	ug/l	98
64) Tetrachloroethene	10.63	164	202502	51.535	ug/l	99
65) Chlorobenzene	11.43	112	503751	50.526	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	184085	54.630	ug/l	99
67) Ethyl Benzene	11.51	91	886346	50.631	ug/l	100
68) m/p-Xylenes	11.62	106	670617	104.529	ug/l	100
69) o-Xylene	11.95	106	328558	51.764	ug/l	99
70) Styrene	11.96	104	551619	54.371	ug/l	99
71) Bromoform	12.13	173	135211	49.755	ug/l #	99
73) Isopropylbenzene	12.25	105	877230	53.512	ug/l	100
74) N-amyl acetate	12.07	43	319087	45.775	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	262978	51.742	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	226351m	49.839	ug/l	
77) Bromobenzene	12.52	156	228907	46.739	ug/l	99
78) n-propylbenzene	12.59	91	969809	48.351	ug/l	100
79) 2-Chlorotoluene	12.67	91	588098	53.656	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	732385	53.279	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	70097	54.856	ug/l	93
82) 4-Chlorotoluene	12.77	91	578294	48.830	ug/l	100
83) tert-Butylbenzene	12.99	119	644395	53.862	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	713924	48.418	ug/l	99
85) sec-Butylbenzene	13.17	105	848911	48.152	ug/l	100
86) p-Isopropyltoluene	13.29	119	748657	49.482	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	375126	50.543	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	362598	50.445	ug/l	99
89) n-Butylbenzene	13.61	91	576874	50.366	ug/l	100
90) Hexachloroethane	13.87	117	120350	51.021	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	370386	50.299	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	40460	49.924	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	165102	43.834	ug/l	99
94) Hexachlorobutadiene	15.01	225	140135	56.396	ug/l	99
95) Naphthalene	15.13	128	414167	42.236	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	175882	44.779	ug/l	99

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

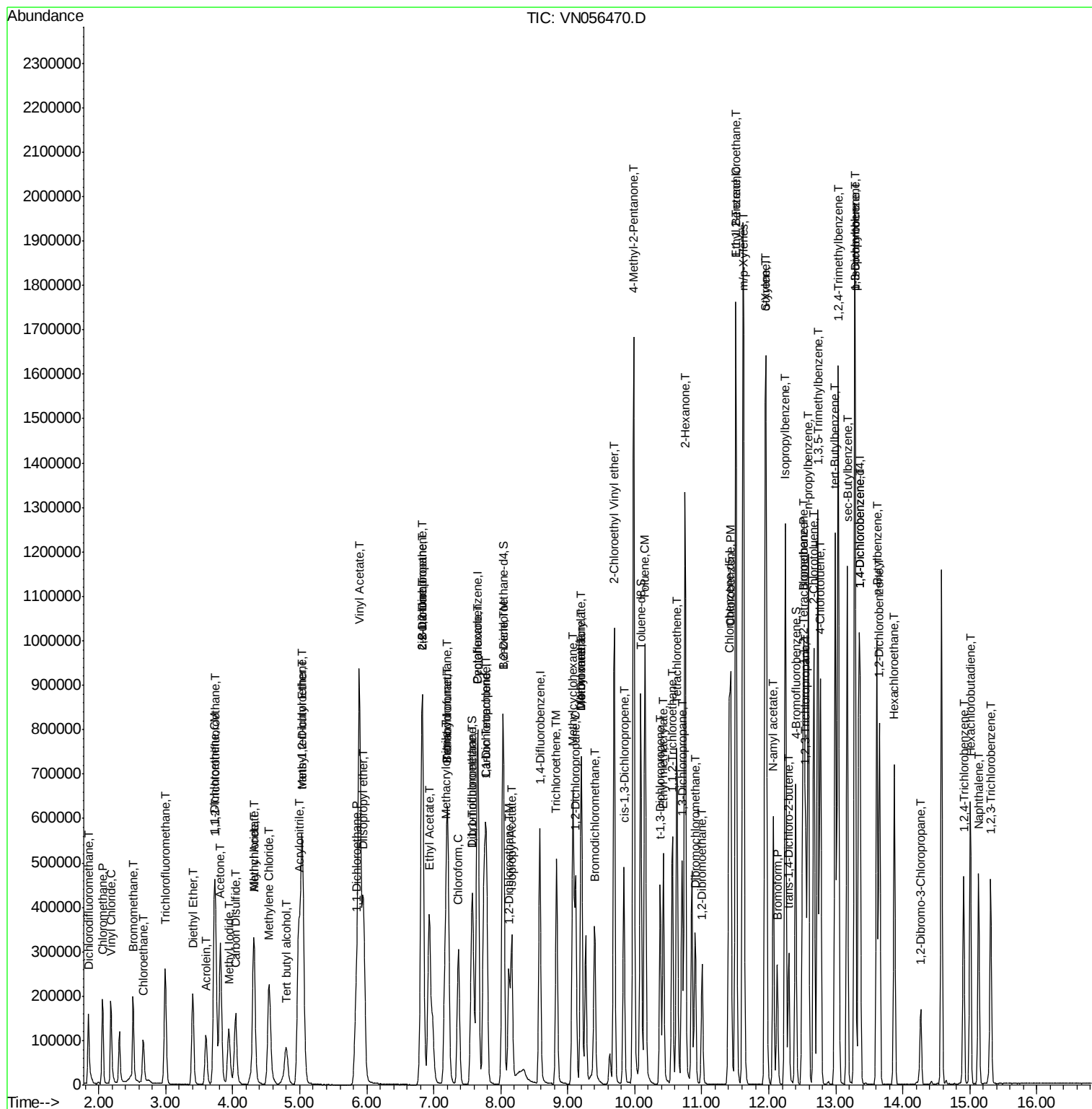
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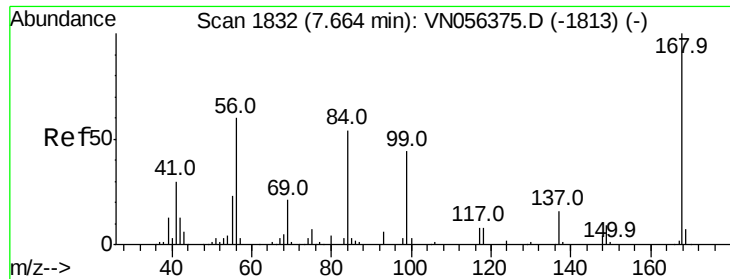
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056470.D

Acq: 25 Jun 2019 8:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 374672

Ion Ratio Lower Upper

168 100

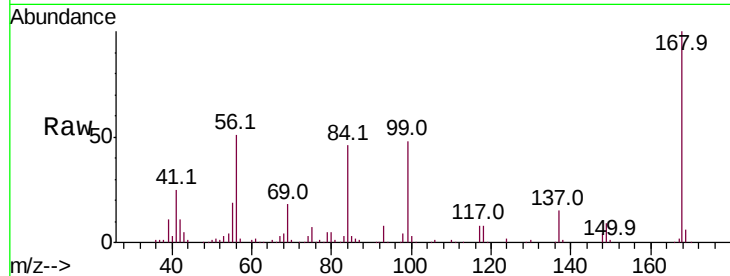
99 47.8 40.6 61.0

Manual Integrations

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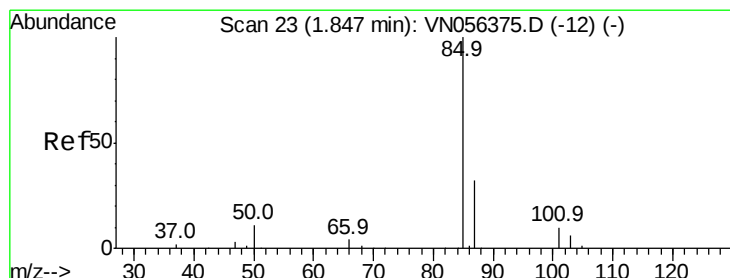
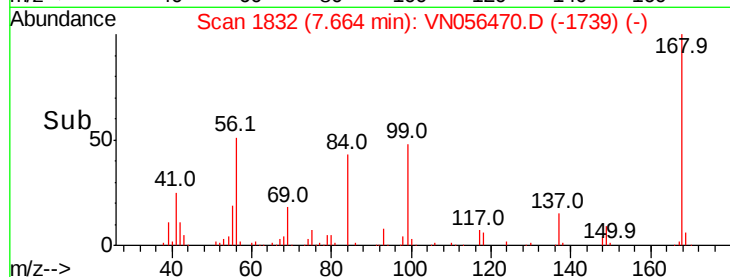
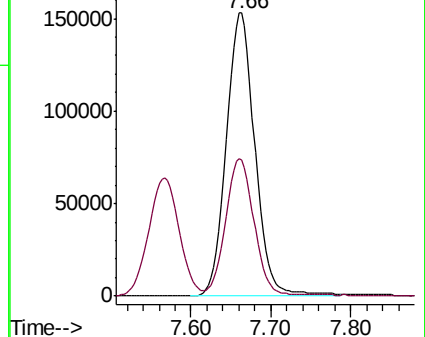
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Abundance Ion 167.90 (167.60 to 168.60): VN056375.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN056375.D (-1813) (-)



#2

Dichlorodifluoromethane

Concen: 48.061 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056470.D

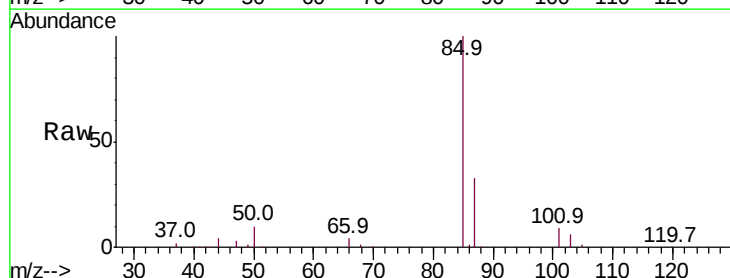
Acq: 25 Jun 2019 8:38

Tgt Ion: 85 Resp: 152474

Ion Ratio Lower Upper

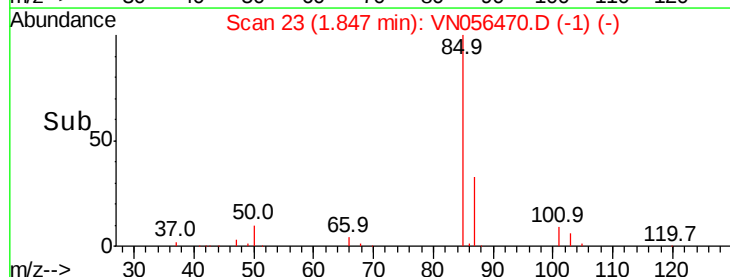
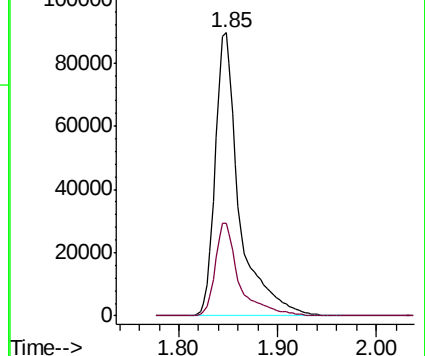
85 100

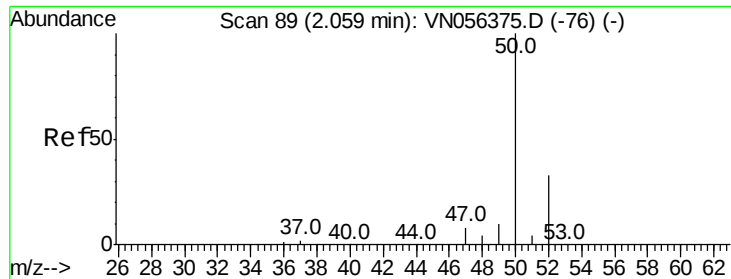
87 32.8 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN056375.D (-12) (-)

Ion 86.90 (86.60 to 87.60): VN056375.D (-12) (-)





#3

Chloromethane

Concen: 43.819 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN056470.D

Acq: 25 Jun 2019 8:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 189289

Ion Ratio Lower Upper

50 100

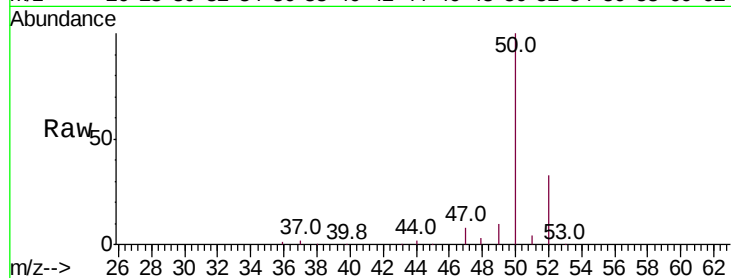
52 32.7 26.5 39.7

Manual Integrations

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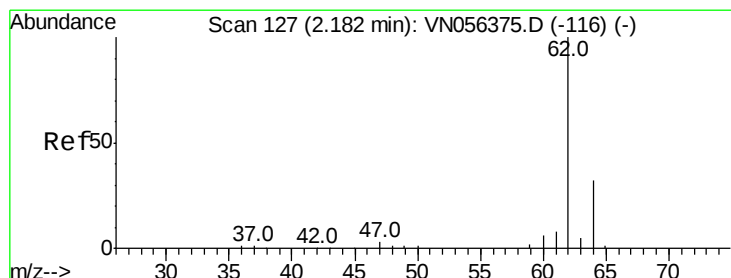
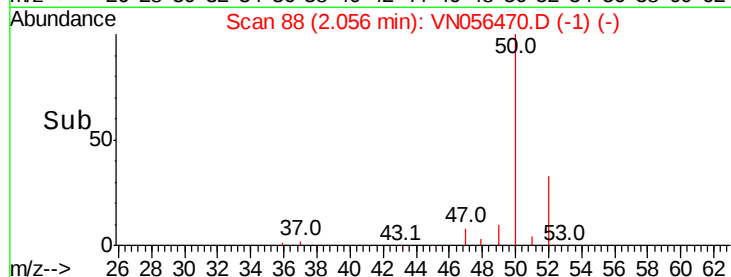
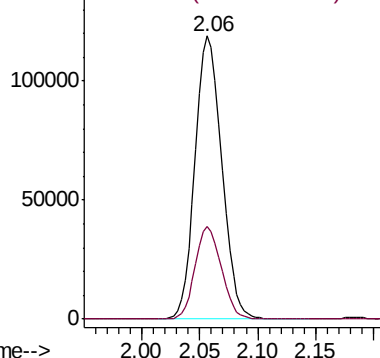
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 45.825 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN056470.D

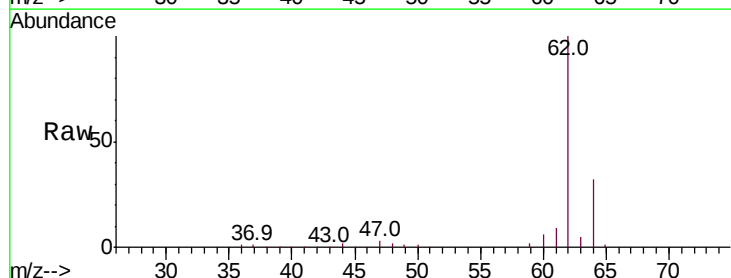
Acq: 25 Jun 2019 8:38

Tgt Ion: 62 Resp: 191192

Ion Ratio Lower Upper

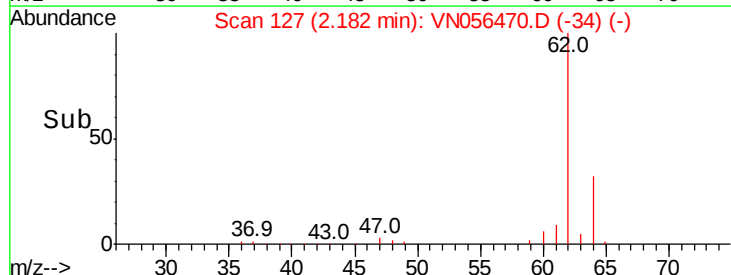
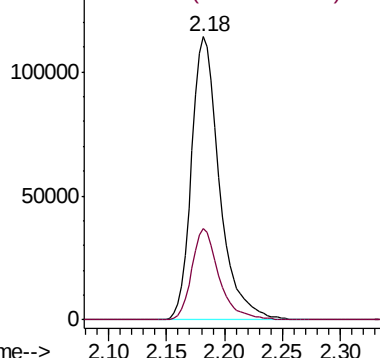
62 100

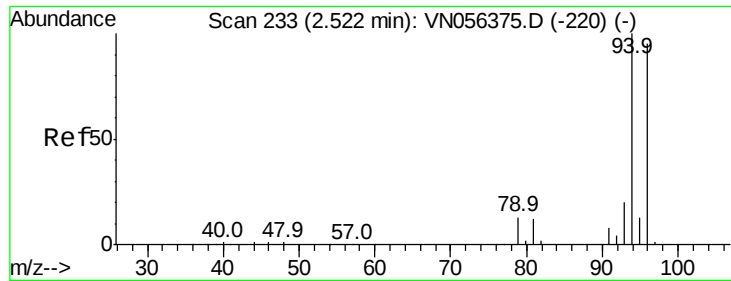
64 32.4 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 37.572 ug/l

RT: 2.51 min Scan# 230

Delta R.T. -0.01 min

Lab File: VN056470.D

Acq: 25 Jun 2019 8:38

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Tot Ion: 94 Resp: 91899

Ion Ratio Lower Upper

94 100

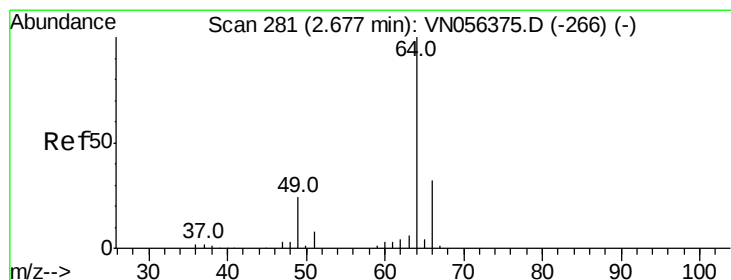
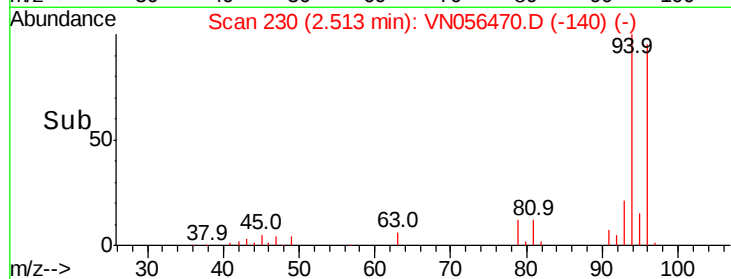
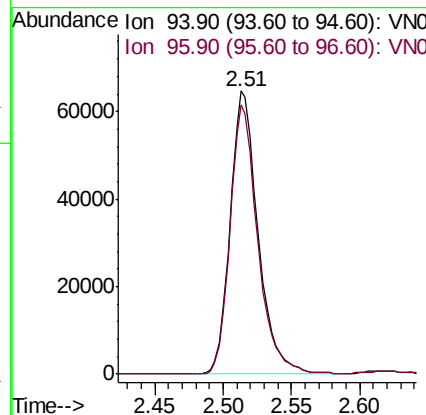
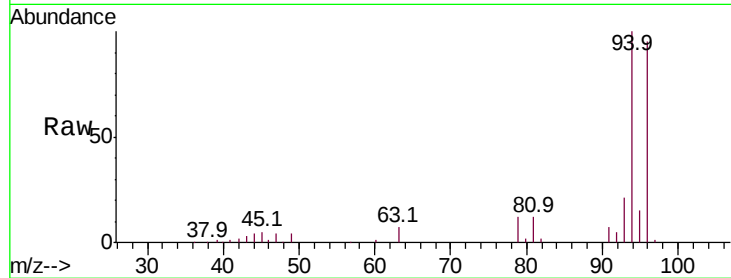
96 95.2 76.0 114.0

Manual Integrations

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#6

Chloroethane

Concen: 46.960 ug/l m

RT: 2.66 min Scan# 277

Delta R.T. -0.01 min

Lab File: VN056470.D

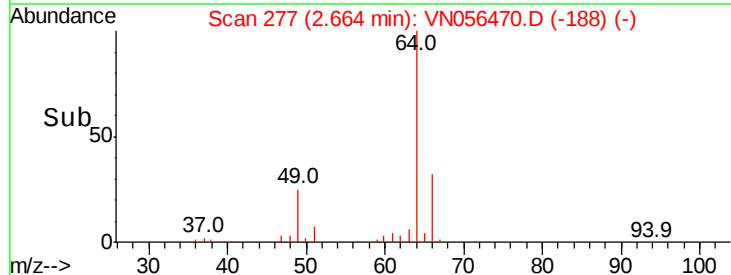
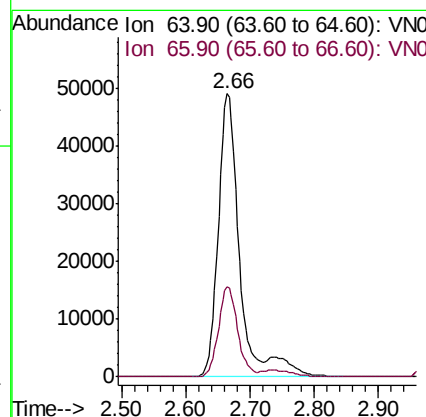
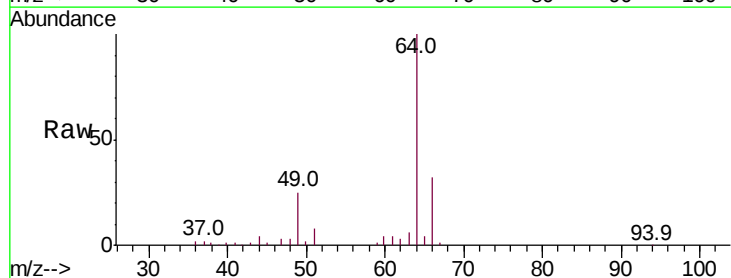
Acq: 25 Jun 2019 8:38

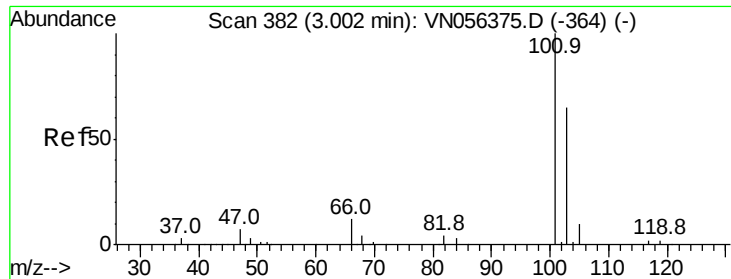
Tgt Ion: 64 Resp: 113464

Ion Ratio Lower Upper

64 100

66 32.0 25.8 38.8





#7

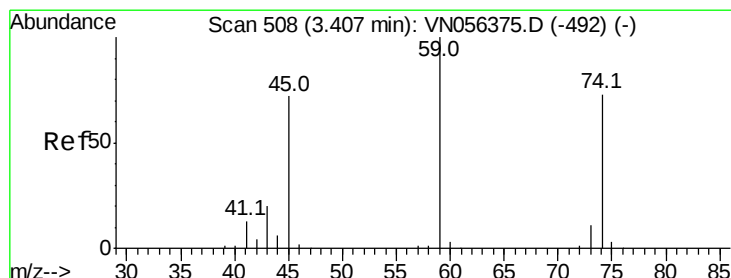
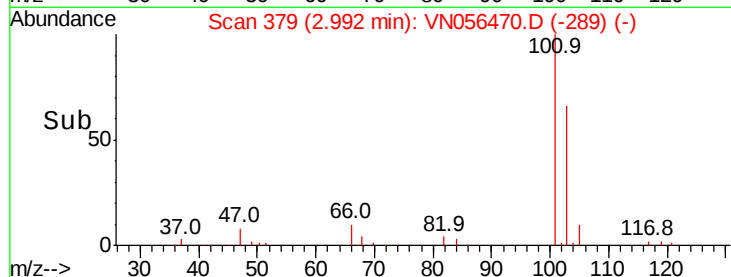
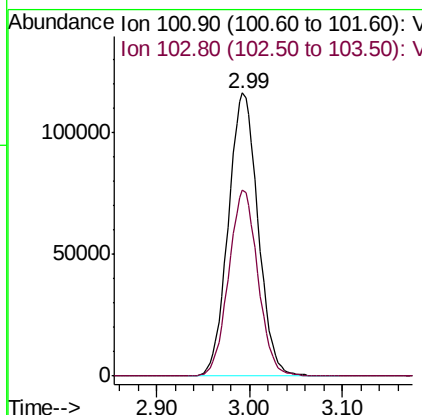
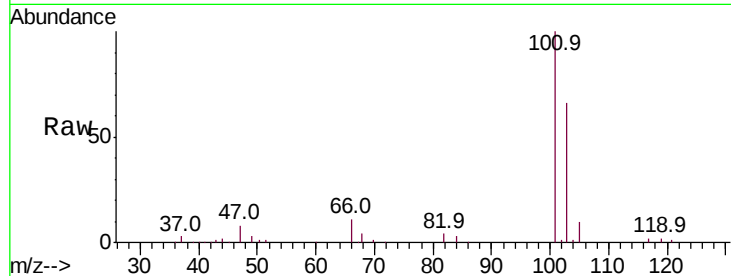
Trichlorofluoromethane
Concen: 47.866 ug/l
RT: 2.99 min Scan# 379
Delta R.T. -0.01 min
Lab File: VN056470.D
Acq: 25 Jun 2019 8:38

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.8	51.7	77.5

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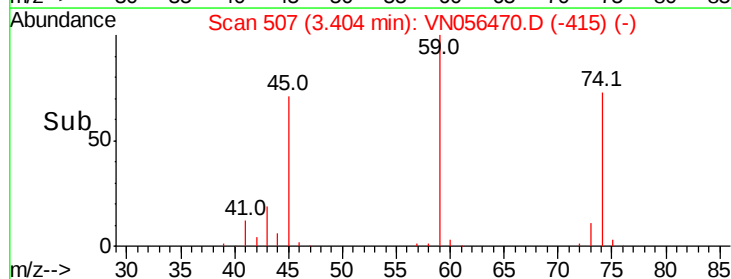
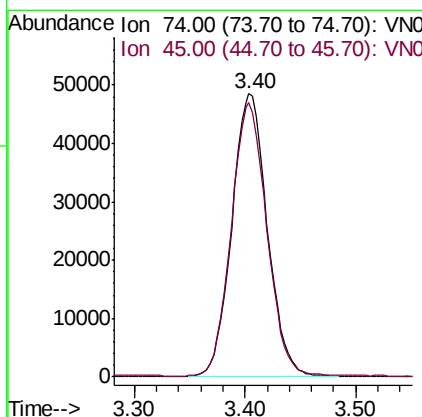
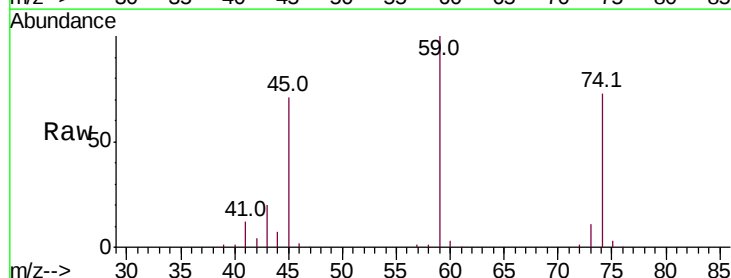
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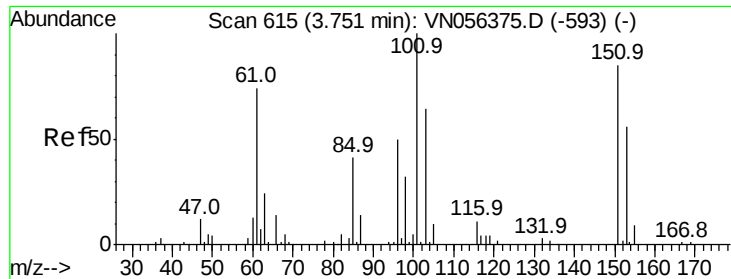


#8

Diethyl Ether
Concen: 47.297 ug/l
RT: 3.40 min Scan# 507
Delta R.T. -0.00 min
Lab File: VN056470.D
Acq: 25 Jun 2019 8:38

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.7	48.9	146.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.542 ug/l

RT: 3.74 min Scan# 613

Delta R.T. -0.01 min

Lab File: VN056470.D

Acq: 25 Jun 2019 8:38

Instrument :

MSVOA_N

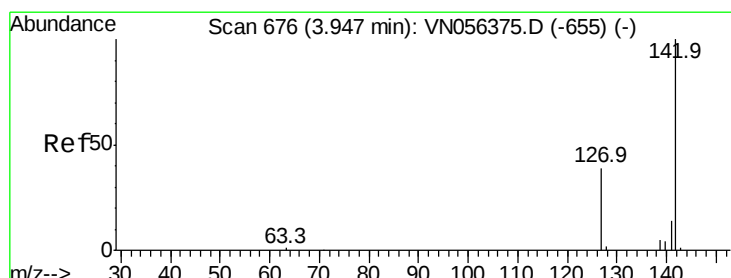
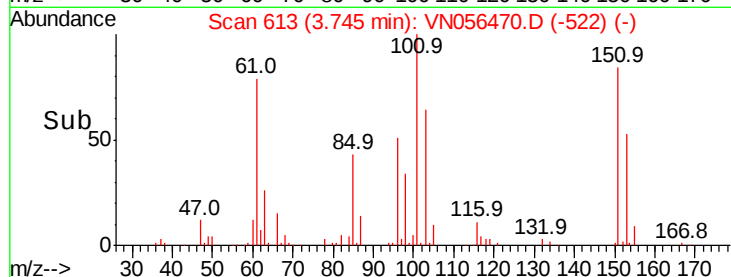
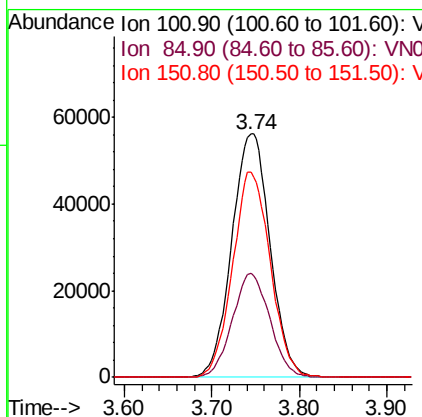
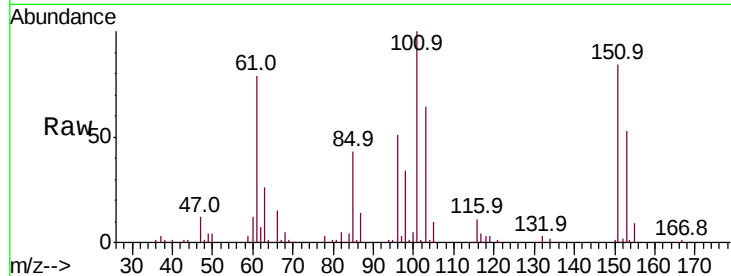
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	170509
Ion Ratio	Lower	Upper	
101	100		
85	41.8	32.7	49.1
151	82.9	66.8	100.2

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#10

Methyl Iodide

Concen: 48.333 ug/l

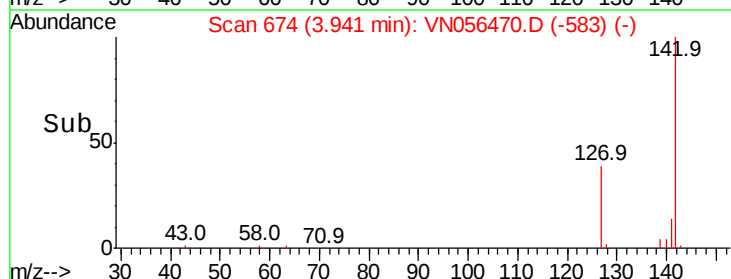
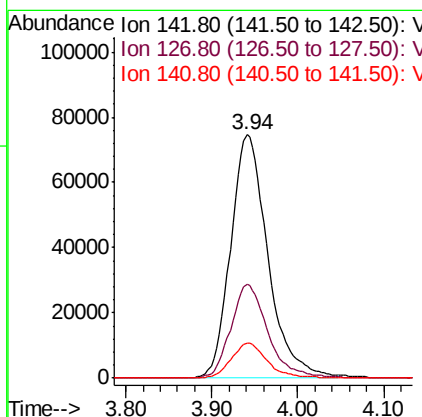
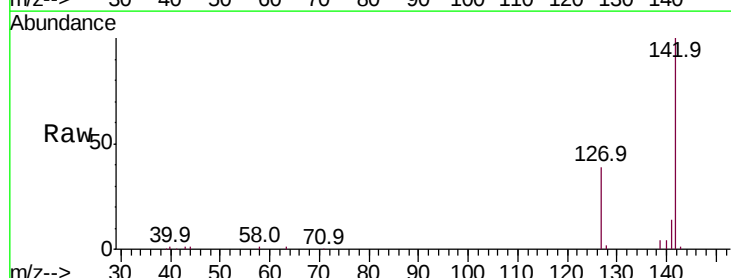
RT: 3.94 min Scan# 674

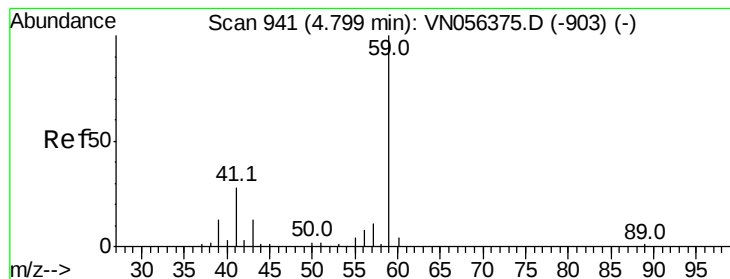
Delta R.T. -0.01 min

Lab File: VN056470.D

Acq: 25 Jun 2019 8:38

Tgt Ion:	142	Resp:	224831
Ion Ratio	Lower	Upper	
142	100		
127	38.4	30.6	46.0
141	13.9	11.4	17.2





#11

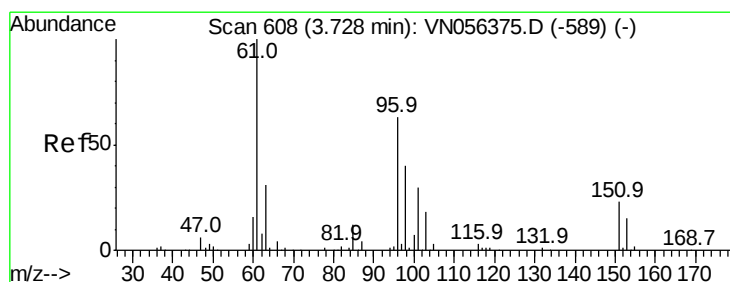
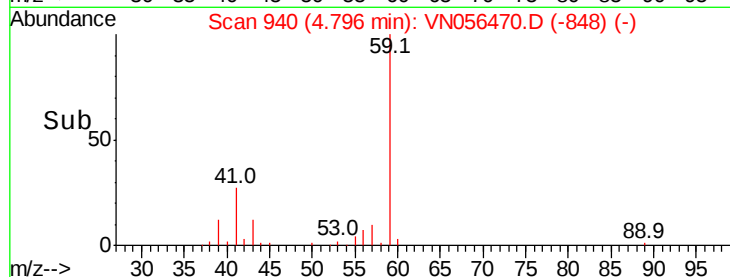
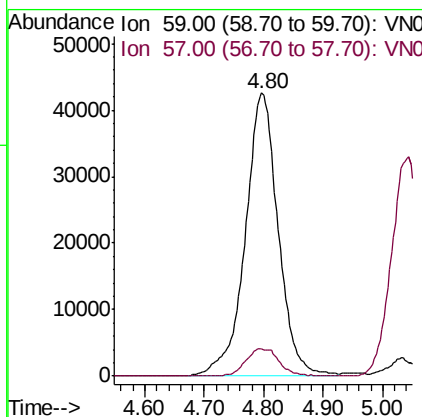
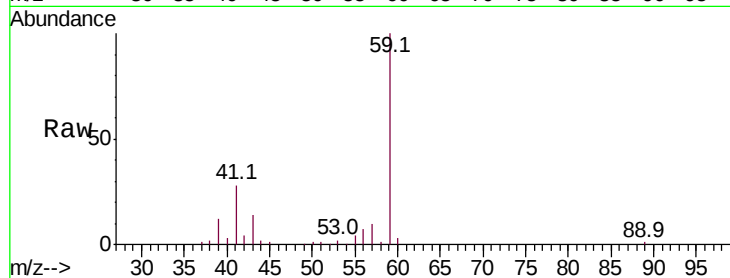
Tert butyl alcohol
 Concen: 236.437 ug/l
 RT: 4.80 min Scan# 940
 Delta R.T. -0.00 min
 Lab File: VN056470.D
 Acq: 25 Jun 2019 8:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	59	Ratio	100	Resp	165362
Ion	59	100		Lower	Upper
	57	9.7		7.6	11.4

Manual Integrations
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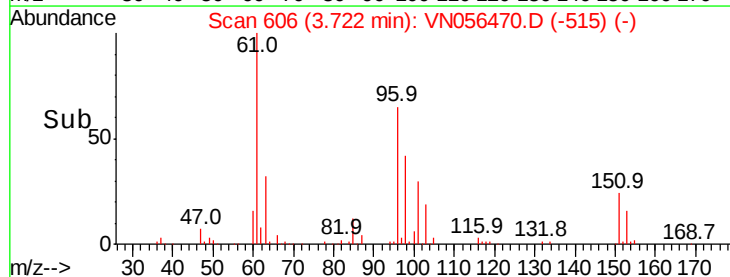
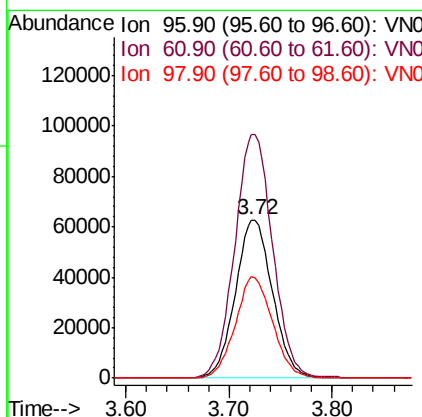
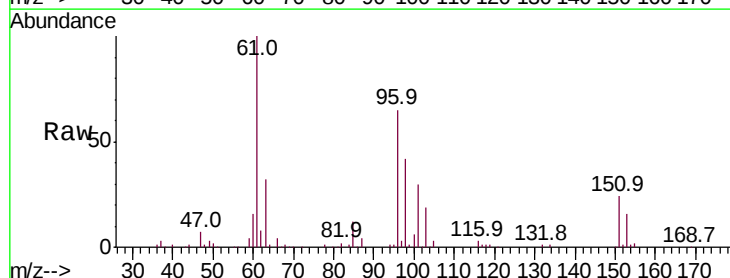
MMDadoda
 6/26/2019 9:28:09 AM

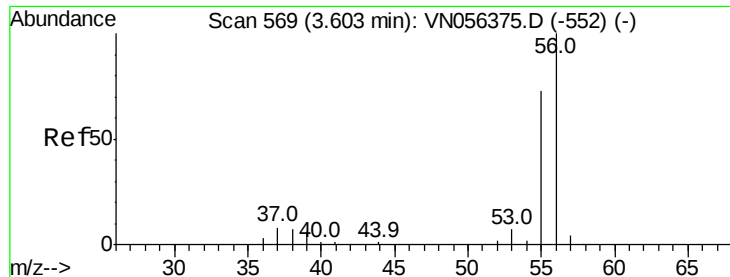


#12

1,1-Dichloroethene
 Concen: 47.517 ug/l
 RT: 3.72 min Scan# 606
 Delta R.T. -0.01 min
 Lab File: VN056470.D
 Acq: 25 Jun 2019 8:38

Tgt Ion	96	Ratio	100	Resp	157271
Ion	96	100		Lower	Upper
	61	153.8		126.6	190.0
	98	64.0		51.1	76.7





#13

Acrolein

Concen: 215.185 ug/l

RT: 3.60 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN056470.D

Acq: 25 Jun 2019 8:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 126843

Ion Ratio Lower Upper

56 100

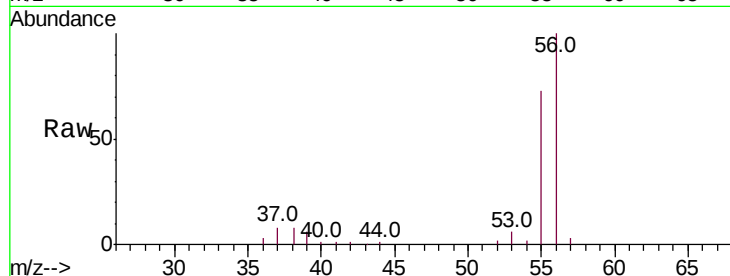
55 72.2 57.1 85.7

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Abundance Ion 56.00 (55.70 to 56.70): VN056470.D (-476) (-)

Ion 55.00 (54.70 to 55.70): VN056470.D (-476) (-)

60000

50000

40000

30000

20000

10000

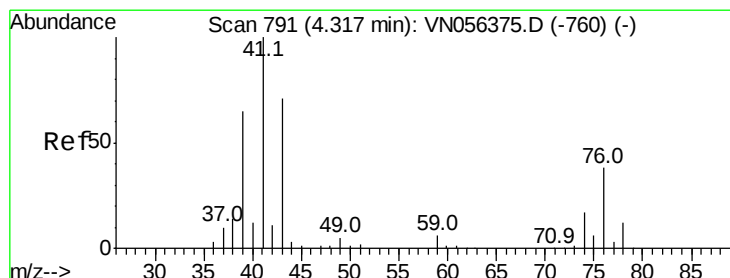
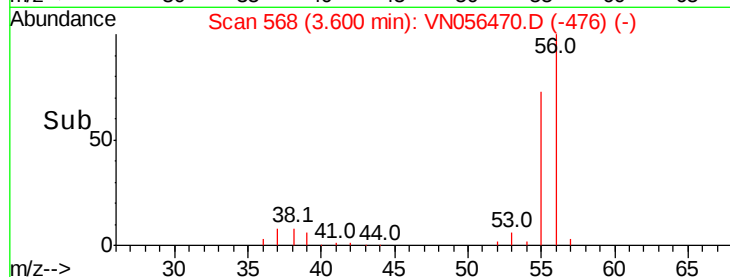
0

Time-->

3.50

3.60

3.70



#14

Allyl chloride

Concen: 49.166 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN056470.D

Acq: 25 Jun 2019 8:38

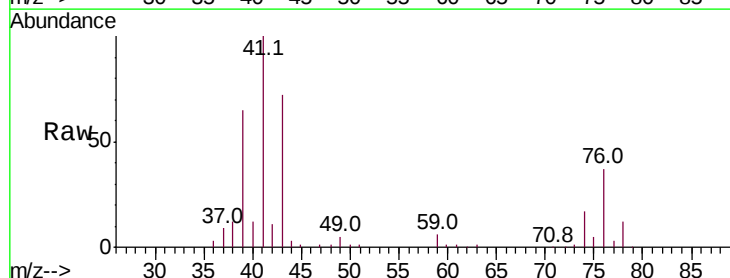
Tgt Ion: 41 Resp: 270883

Ion Ratio Lower Upper

41 100

39 61.3 48.6 73.0

76 33.7 26.6 40.0



Abundance Ion 41.00 (40.70 to 41.70): VN056470.D (-698) (-)

Ion 39.00 (38.70 to 39.70): VN056470.D (-698) (-)

Ion 75.90 (75.60 to 76.60): VN056470.D (-698) (-)

120000

100000

80000

60000

40000

20000

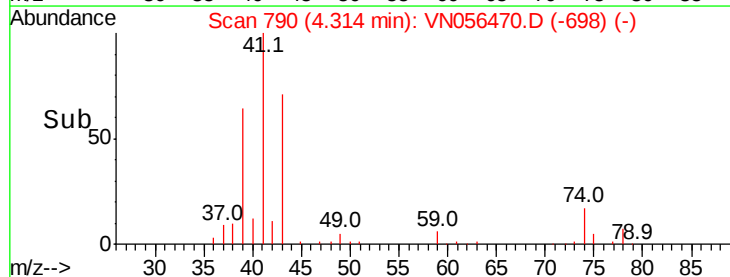
0

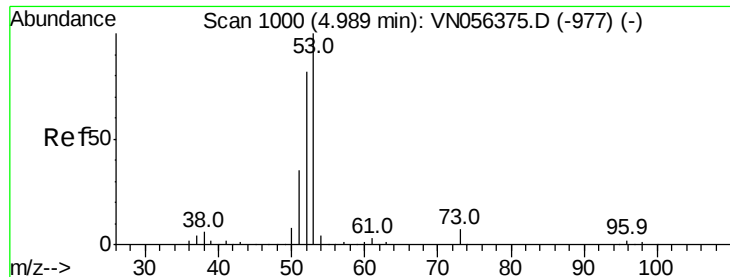
Time-->

4.20

4.30

4.40





#15

Acrylonitrile

Concen: 236.014 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.01 min

Lab File: VN056470.D

Acq: 25 Jun 2019 8:38

Instrument :

MSVOA_N

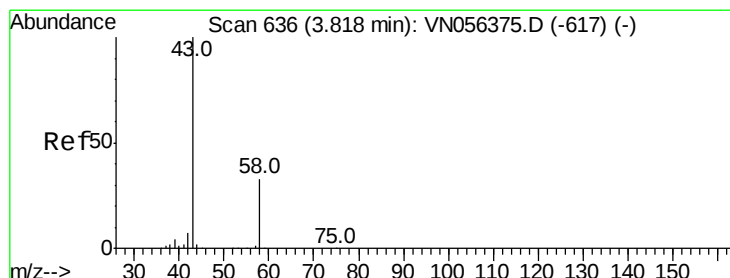
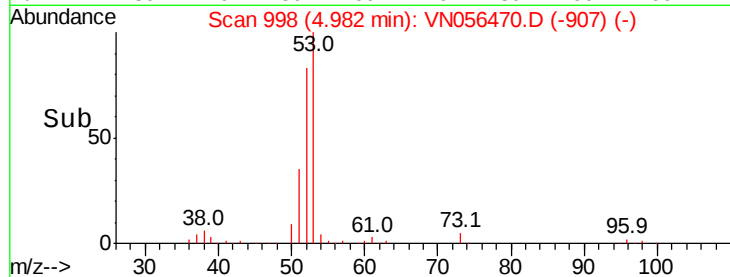
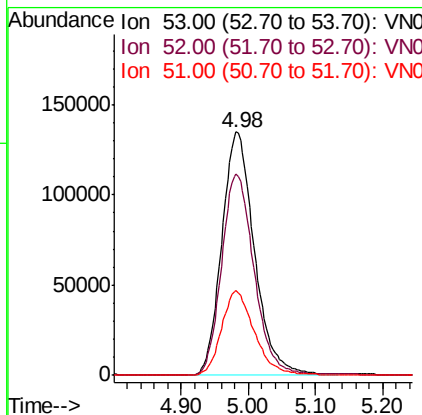
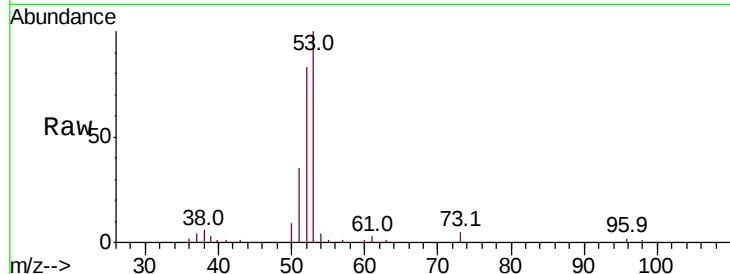
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	456655
Ion Ratio	Lower	Upper	
53	100		
52	82.1	65.9	98.9
51	35.1	28.3	42.5

Manual Integrations
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#16

Acetone

Concen: 257.167 ug/l

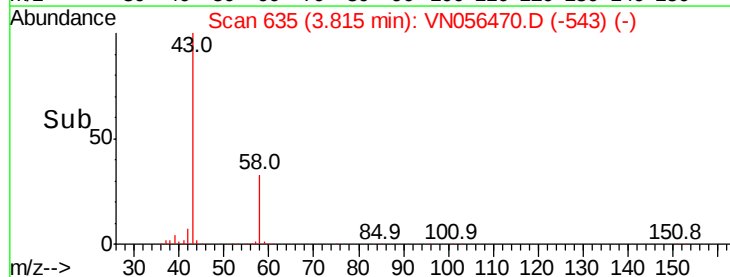
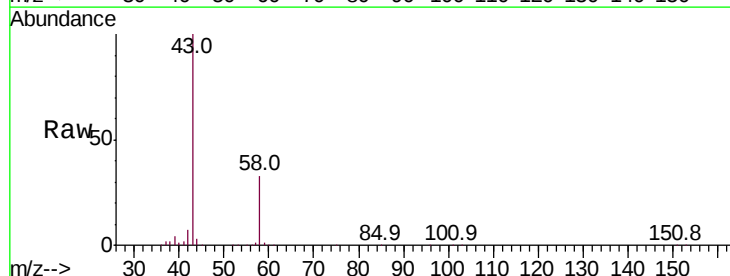
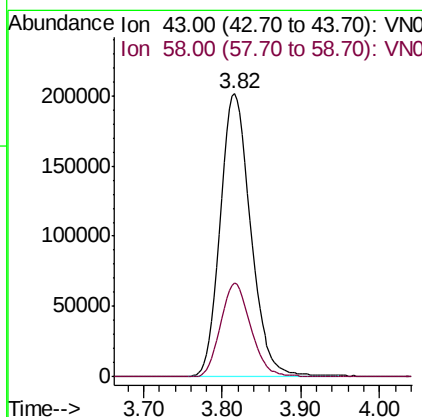
RT: 3.82 min Scan# 635

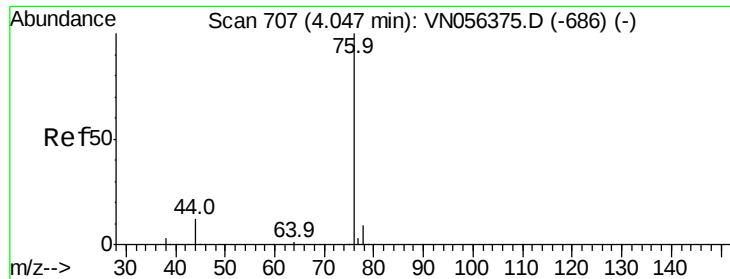
Delta R.T. -0.00 min

Lab File: VN056470.D

Acq: 25 Jun 2019 8:38

Tgt Ion:	43	Resp:	535030
Ion Ratio	Lower	Upper	
43	100		
58	33.1	26.4	39.6





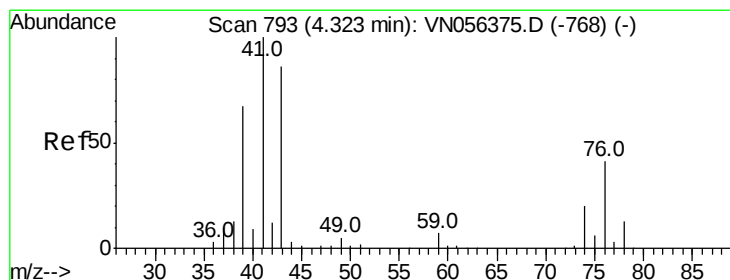
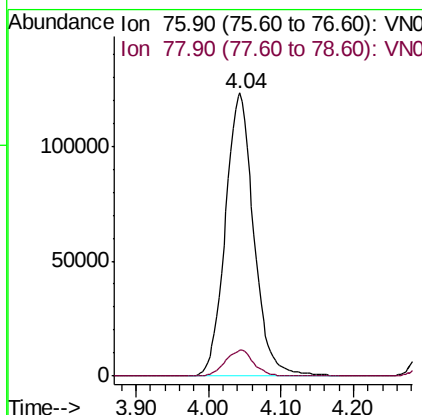
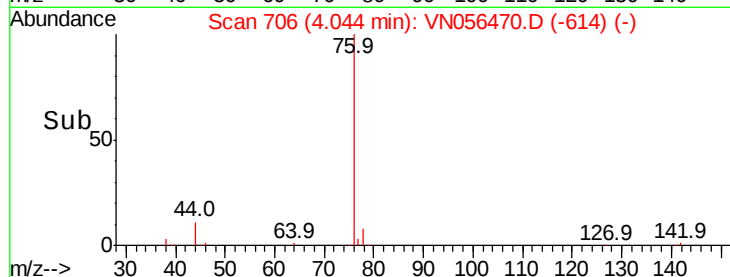
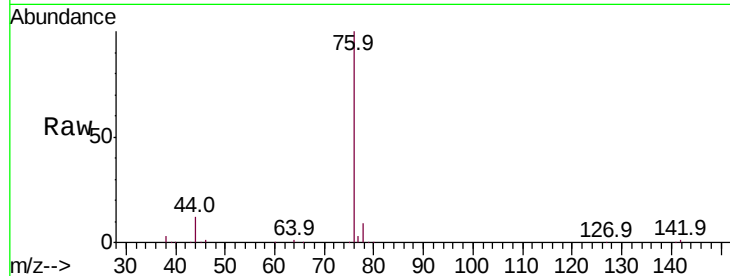
#17
Carbon Disulfide
Concen: 44.557 ug/l
RT: 4.04 min Scan# 706
Delta R.T. -0.00 min
Lab File: VN056470.D
Acq: 25 Jun 2019 8:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 335426
Ion Ratio Lower Upper
76 100
78 9.2 7.1 10.7

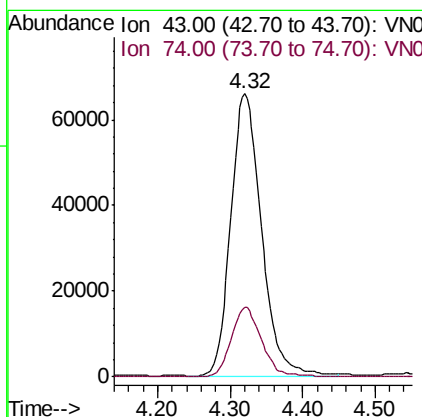
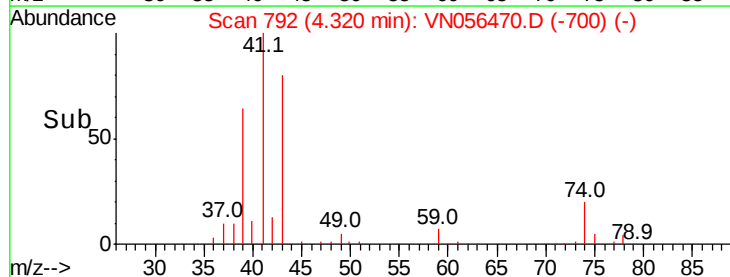
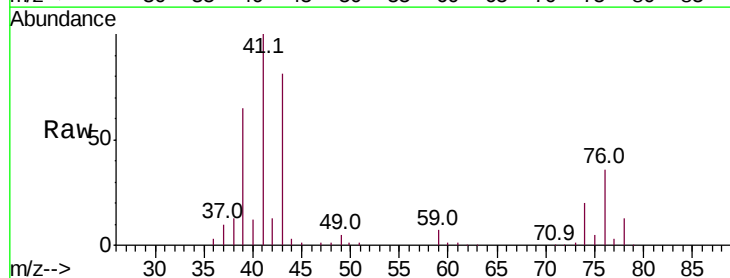
Manual Integrations
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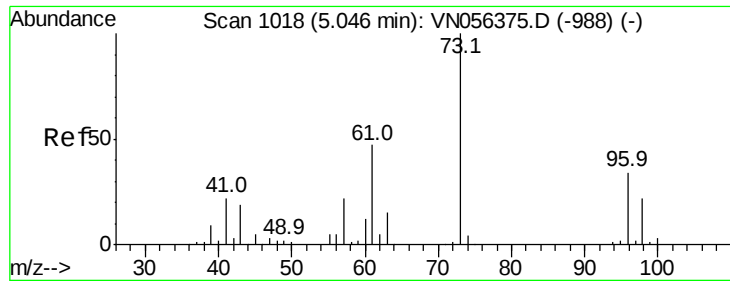
MMDadoda
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#18
Methyl Acetate
Concen: 47.758 ug/l
RT: 4.32 min Scan# 792
Delta R.T. -0.00 min
Lab File: VN056470.D
Acq: 25 Jun 2019 8:38

Tgt Ion: 43 Resp: 194761
Ion Ratio Lower Upper
43 100
74 24.1 19.2 28.8





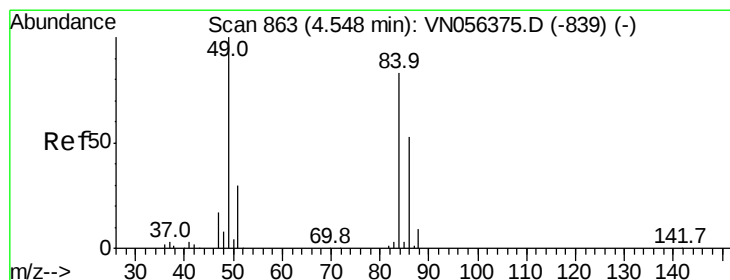
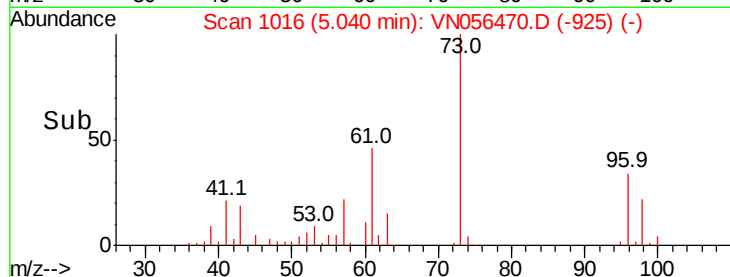
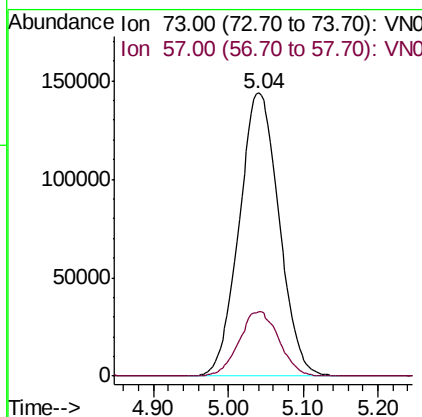
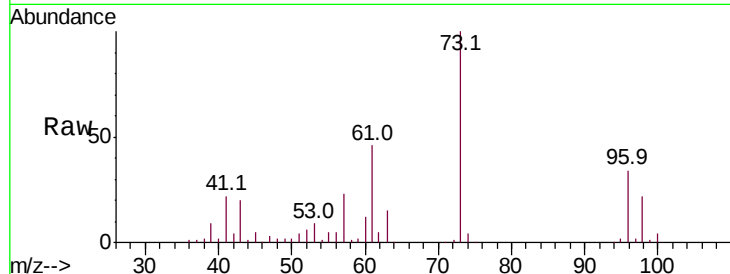
#19
Methyl tert-butyl Ether
Concen: 48.716 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.01 min
Lab File: VN056470.D
Acq: 25 Jun 2019 8:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.8	17.9	26.9

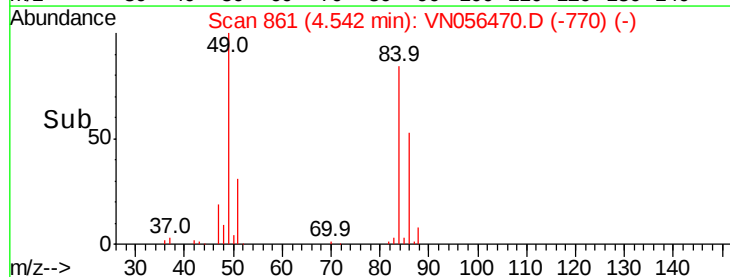
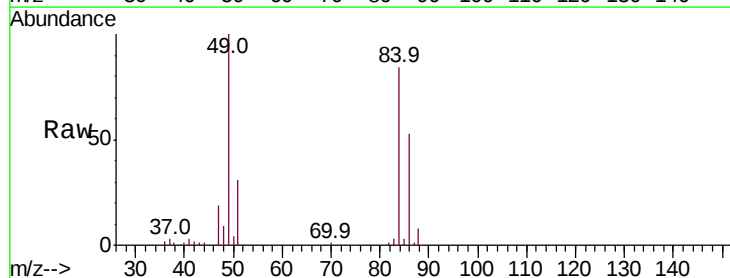
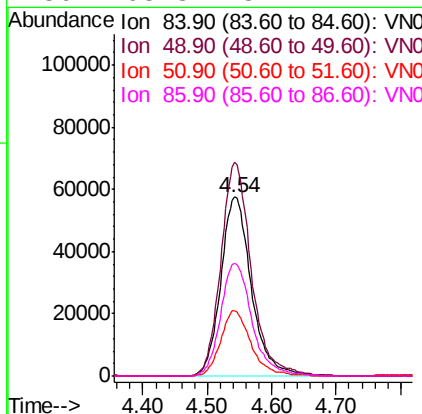
Manual Integrations
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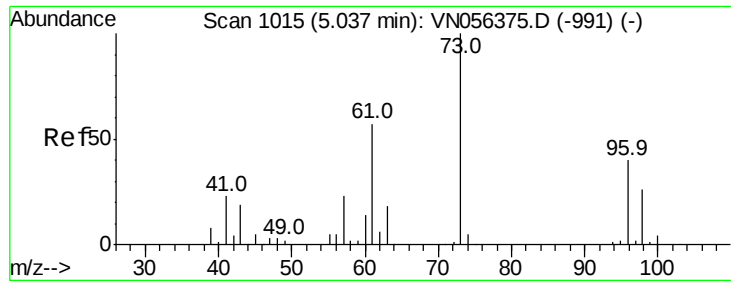
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#20
Methylene Chloride
Concen: 48.369 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.01 min
Lab File: VN056470.D
Acq: 25 Jun 2019 8:38

Tgt Ion	Ratio	Lower	Upper
84	100		
49	119.4	96.4	144.6
51	36.8	28.6	43.0
86	63.3	51.4	77.2





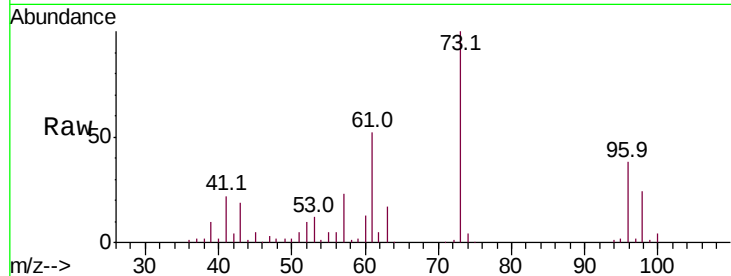
#21
trans-1,2-Dichloroethene
Concen: 47.207 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN056470.D
Acq: 25 Jun 2019 8:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.3	113.0	169.6
98	62.5	52.2	78.2

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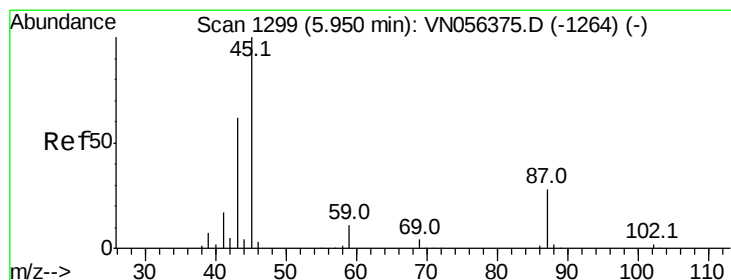
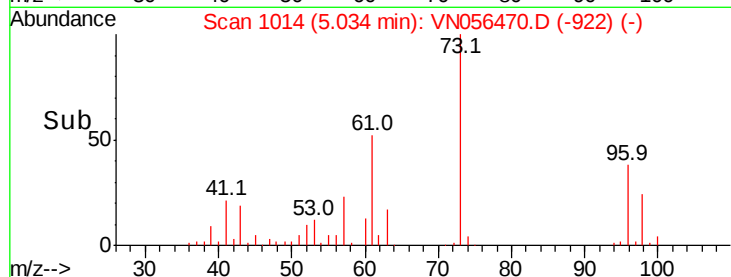
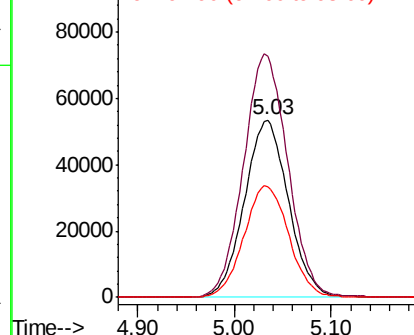


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22
Diisopropyl ether
Concen: 49.735 ug/l
RT: 5.95 min Scan# 1298
Delta R.T. -0.00 min
Lab File: VN056470.D
Acq: 25 Jun 2019 8:38

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.9	50.4	75.6
87	28.7	23.0	34.4
59	11.8	9.1	13.7

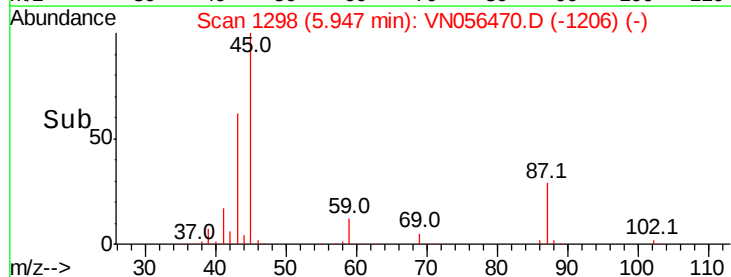
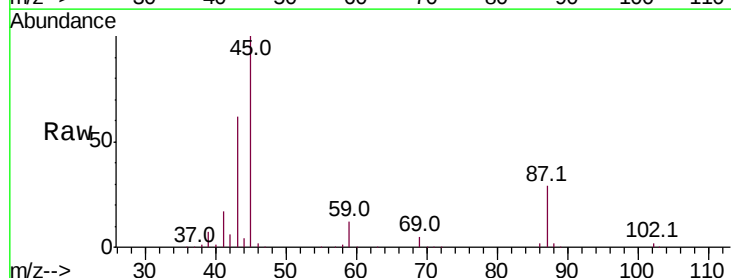
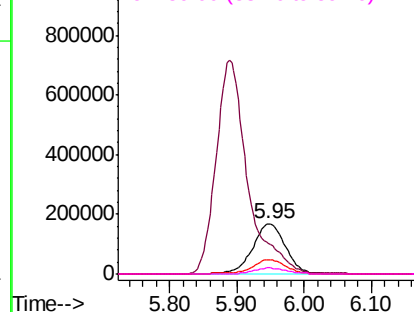
Abundance

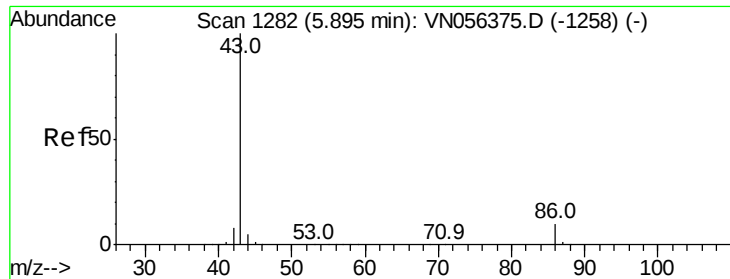
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 258.030 ug/l

RT: 5.89 min Scan# 1280

Delta R.T. -0.01 min

Lab File: VN056470.D

Acq: 25 Jun 2019 8:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2354867

Ion Ratio Lower Upper

43 100

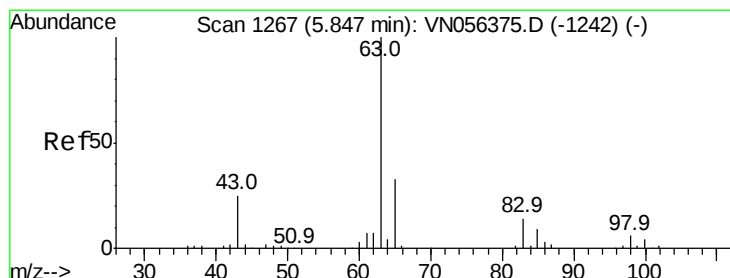
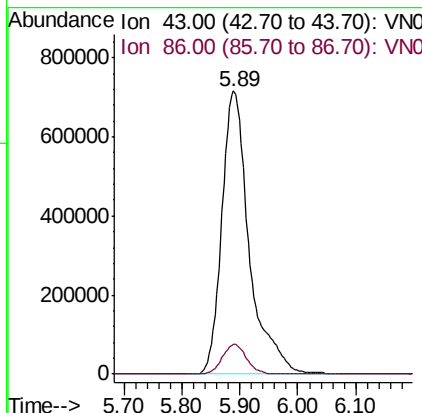
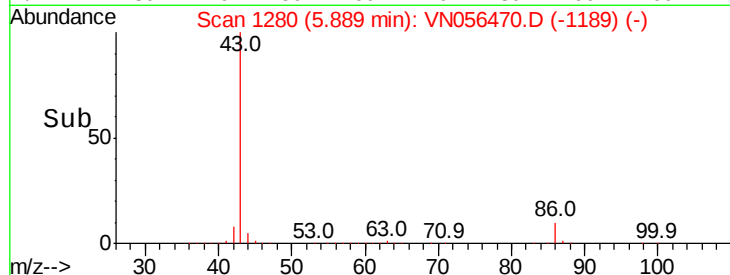
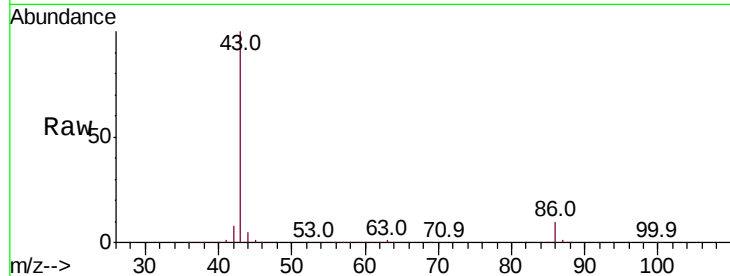
86 10.4 8.3 12.5

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#24

1,1-Dichloroethane

Concen: 49.103 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. -0.01 min

Lab File: VN056470.D

Acq: 25 Jun 2019 8:38

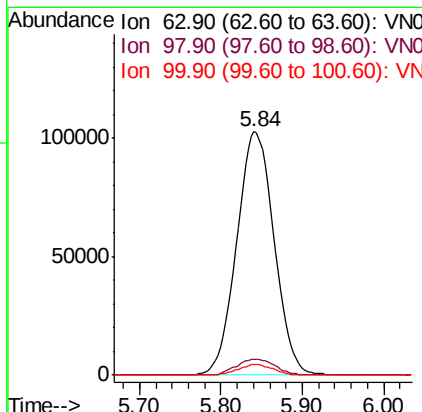
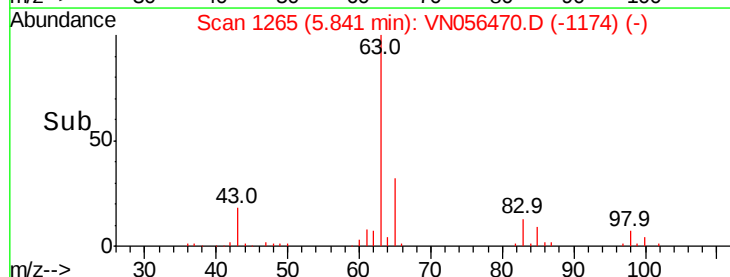
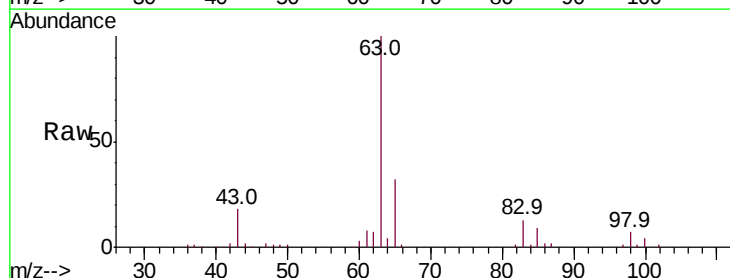
Tgt Ion: 63 Resp: 326148

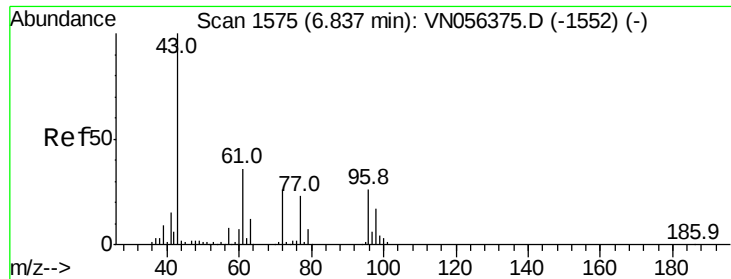
Ion Ratio Lower Upper

63 100

98 6.5 3.2 9.6

100 4.3 2.1 6.5





#25

2-Butanone

Concen: 250.777 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN056470.D

Acq: 25 Jun 2019 8:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 690520

Ion Ratio Lower Upper

43 100

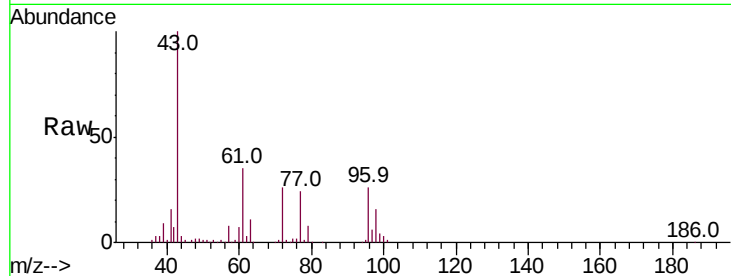
72 26.2 20.6 31.0

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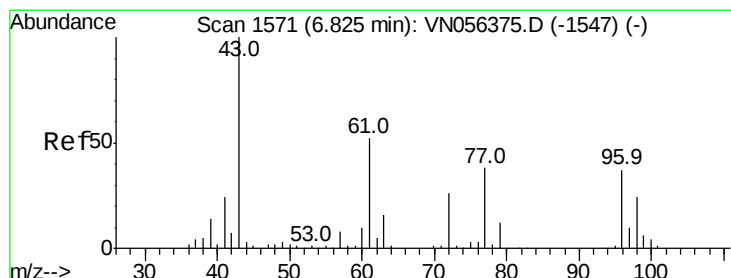
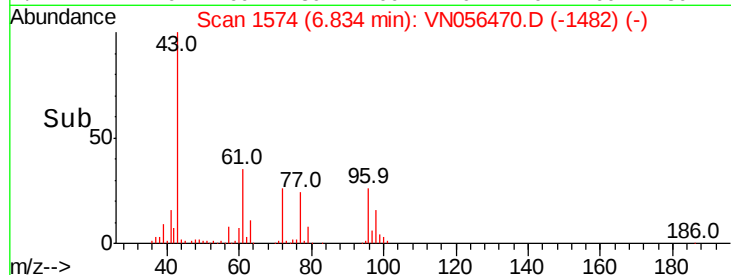
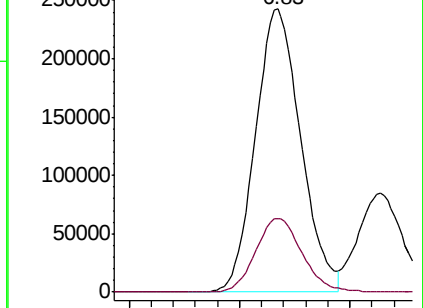
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 52.414 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN056470.D

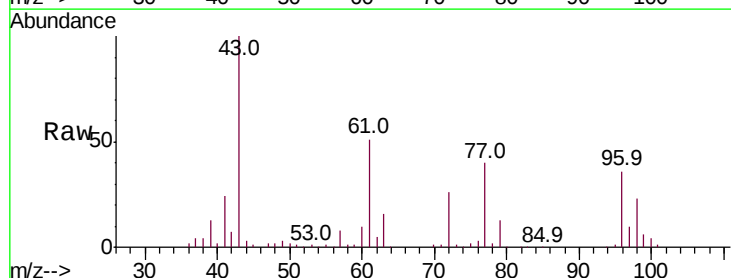
Acq: 25 Jun 2019 8:38

Tgt Ion: 77 Resp: 242132

Ion Ratio Lower Upper

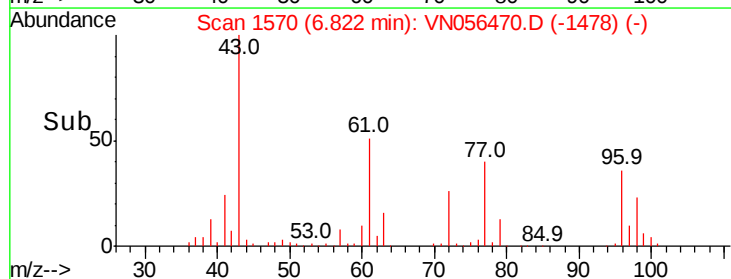
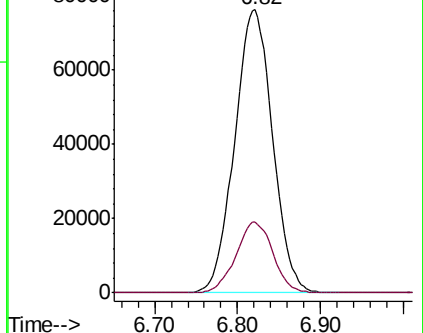
77 100

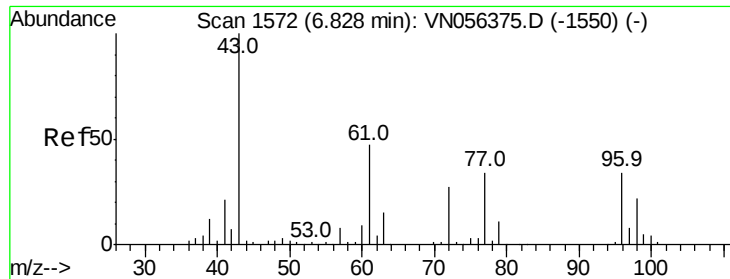
97 24.5 11.9 35.5



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: 49.103 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN056470.D

Acq: 25 Jun 2019 8:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 204999

Ion Ratio Lower Upper

96 100

61 140.4 0.0 279.8

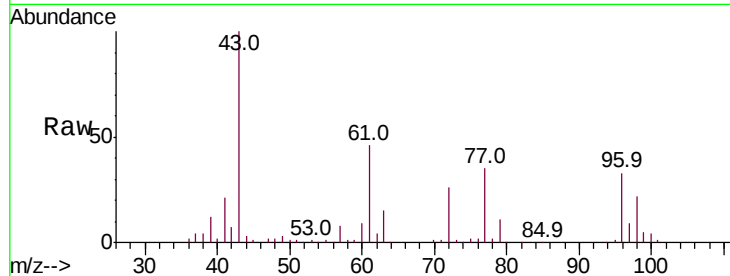
98 64.8 0.0 130.0

Manual Integrations

APPROVED

MMDadoda

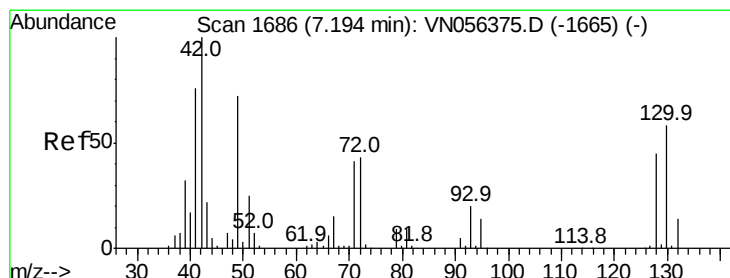
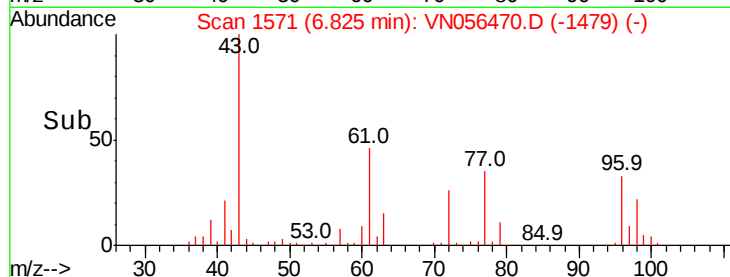
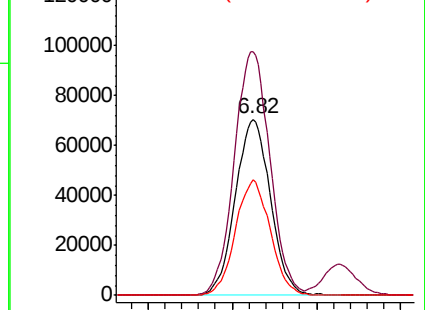
6/26/2019 9:28:09 AM



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 47.187 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VN056470.D

Acq: 25 Jun 2019 8:38

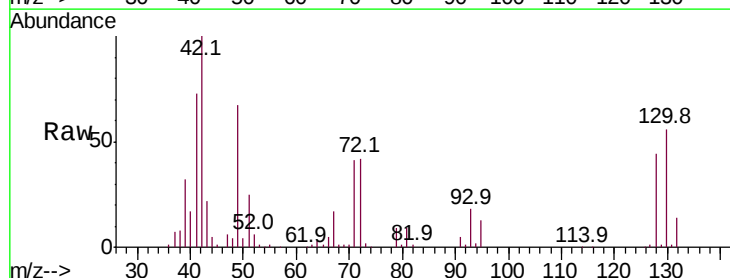
Tgt Ion: 49 Resp: 155026

Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.2

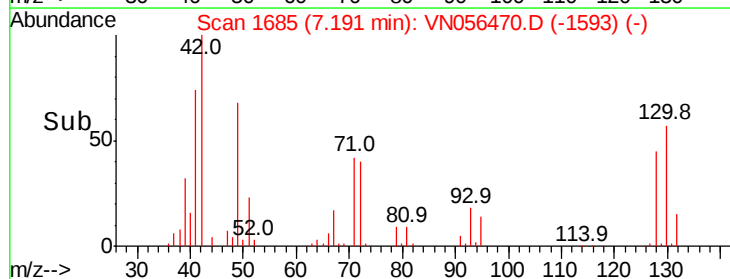
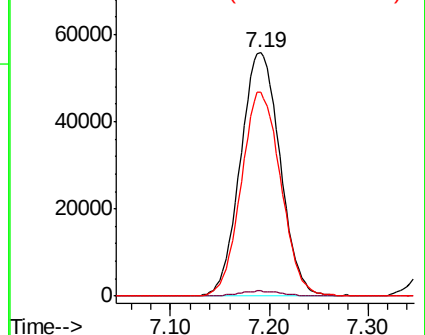
130 83.8 64.9 97.3

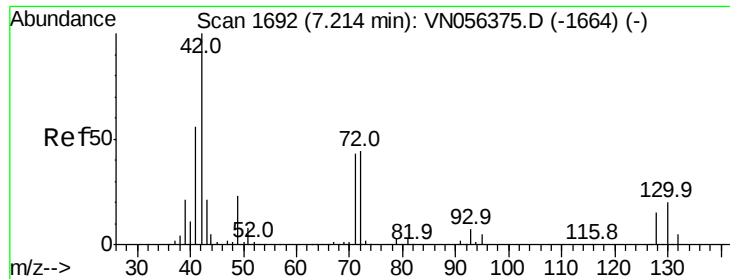


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





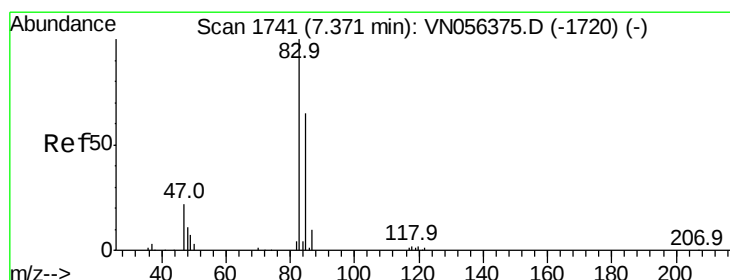
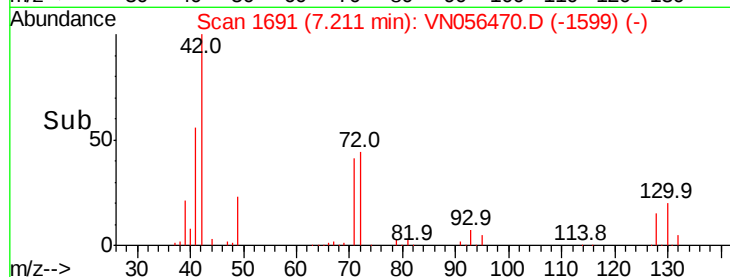
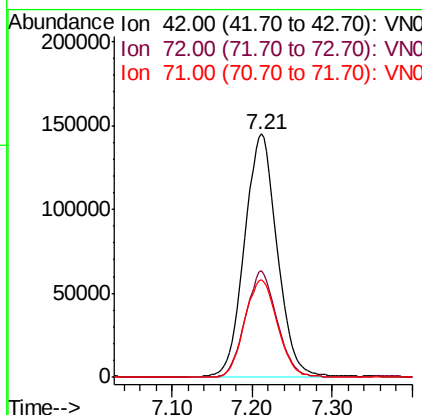
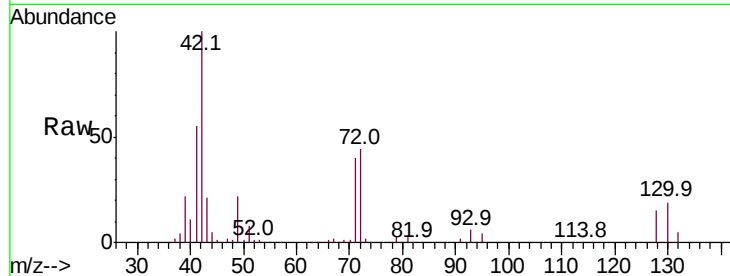
#29
Tetrahydrofuran
Concen: 238.273 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN056470.D
Acq: 25 Jun 2019 8:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.9	34.7	52.1
71	40.7	33.0	49.6

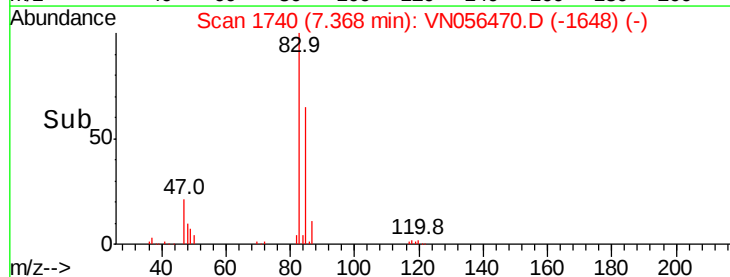
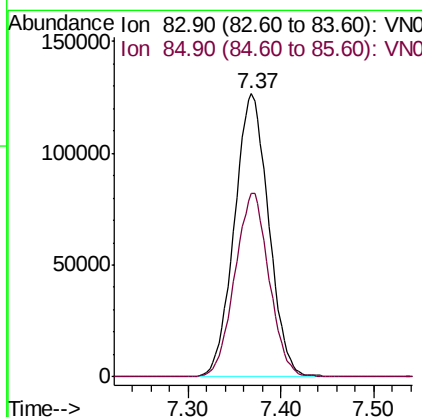
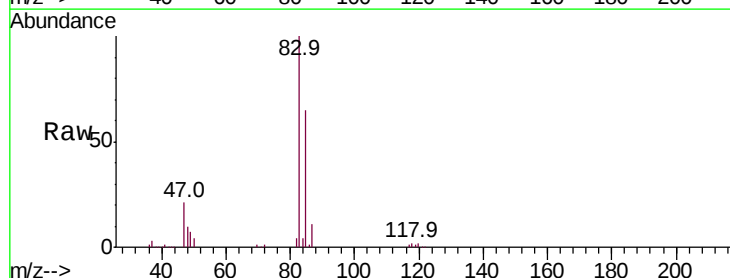
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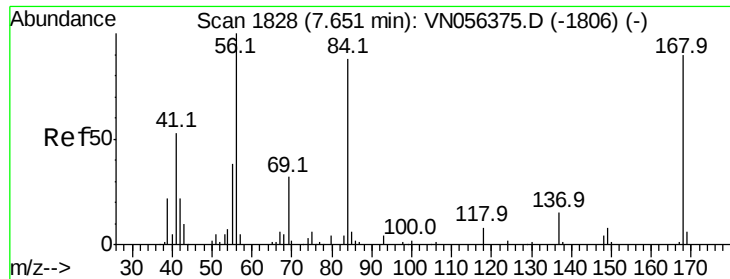
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#30
Chloroform
Concen: 49.513 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VN056470.D
Acq: 25 Jun 2019 8:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.3	78.5





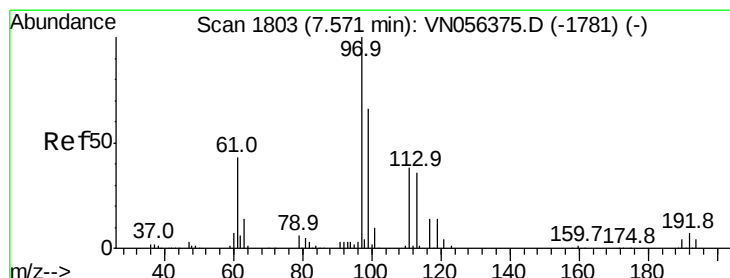
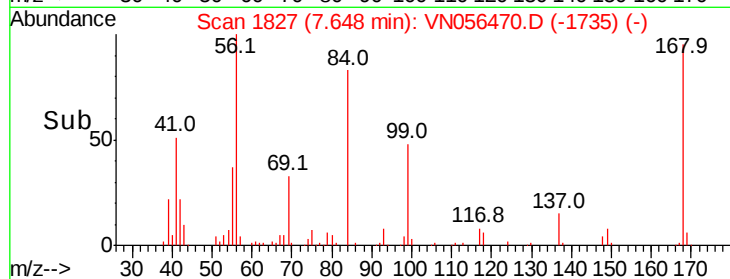
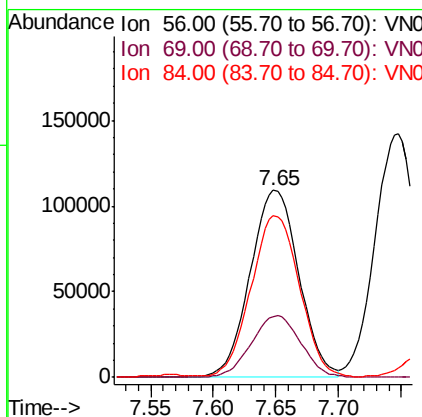
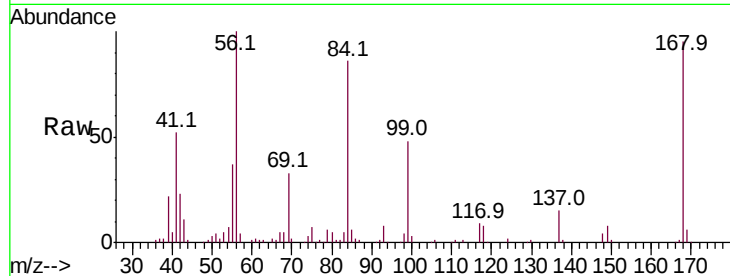
#31
Cyclohexane
Concen: 45.906 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.00 min
Lab File: VN056470.D
Acq: 25 Jun 2019 8:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:	56	Resp:	294363
Ion Ratio	Lower	Upper	
56	100		
69	32.6	25.8	38.6
84	85.4	69.4	104.0

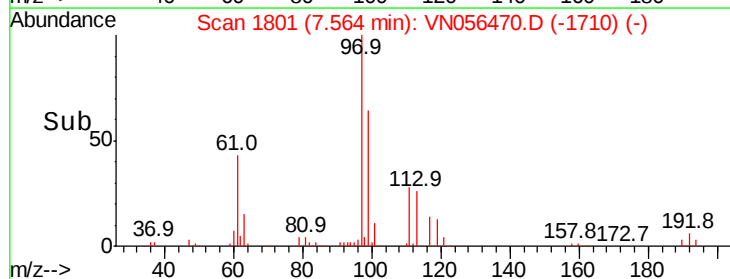
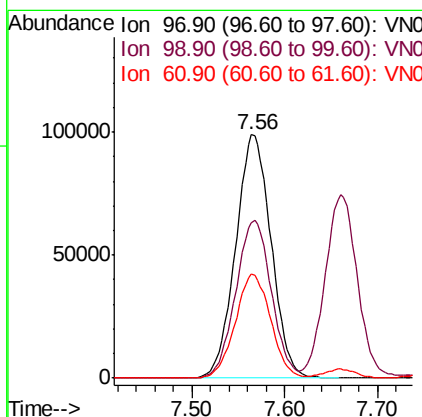
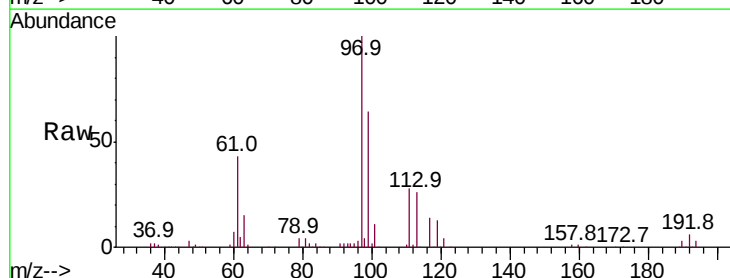
Manual Integrations
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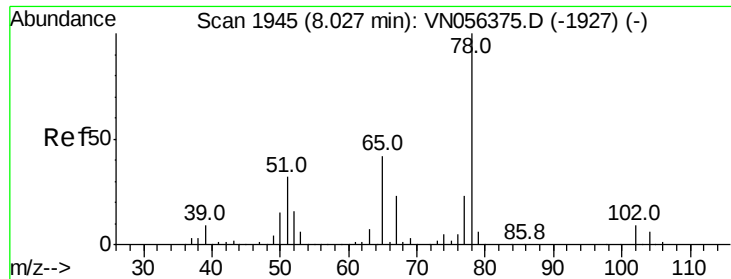
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#32
1,1,1-Trichloroethane
Concen: 50.559 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.01 min
Lab File: VN056470.D
Acq: 25 Jun 2019 8:38

Tgt Ion:	97	Resp:	262658
Ion Ratio	Lower	Upper	
97	100		
99	65.1	51.8	77.6
61	42.6	33.9	50.9





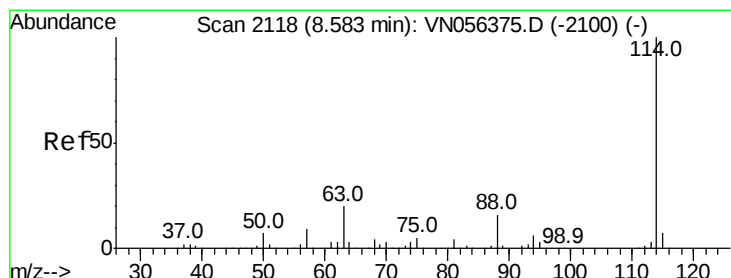
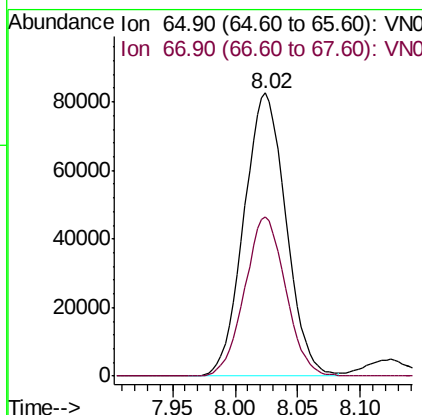
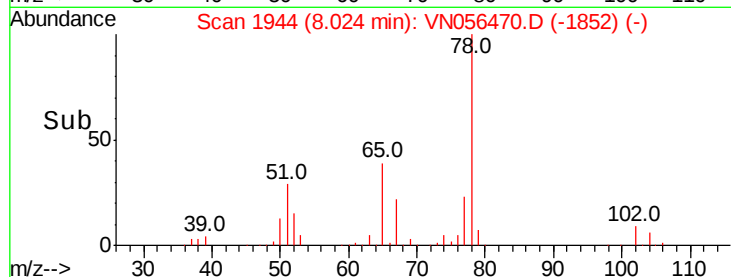
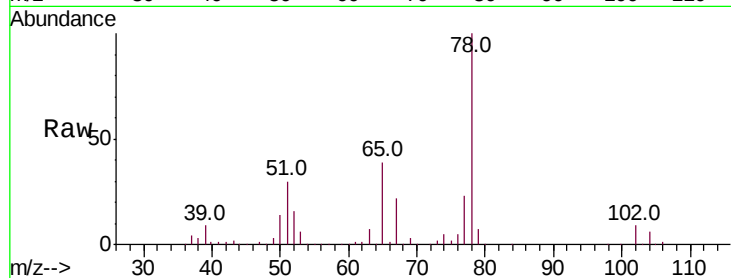
#33
 1,2-Dichloroethane-d4
 Concen: 46.448 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN056470.D
 Acq: 25 Jun 2019 8:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	192876		
67	54.8	0.0	109.0	

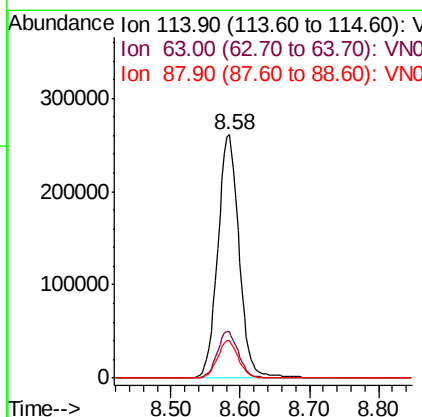
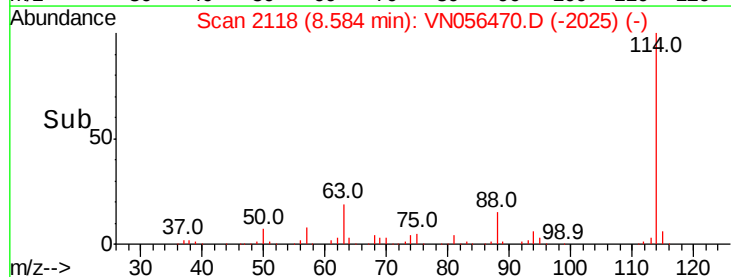
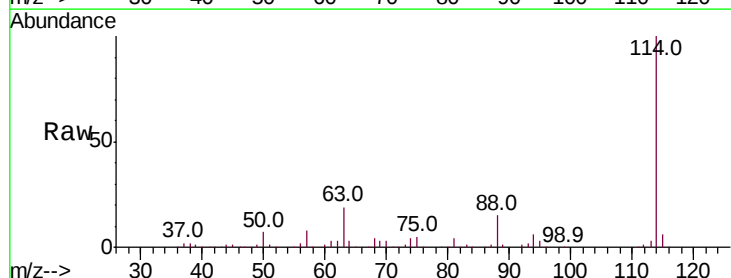
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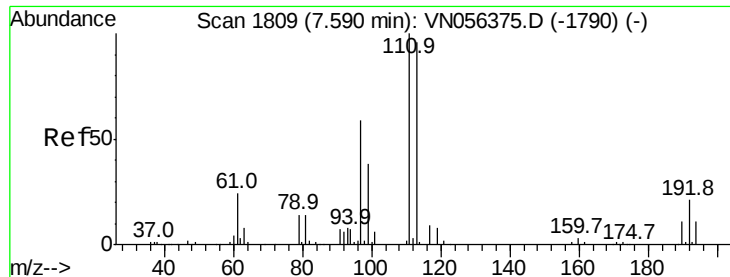
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056470.D
 Acq: 25 Jun 2019 8:38

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	556859		
63	19.0	0.0	39.2	
88	15.2	0.0	31.4	





#35

Dibromofluoromethane

Concen: 49.032 ug/l

RT: 7.59 min Scan# 1808

Delta R.T. -0.00 min

Lab File: VN056470.D

Acq: 25 Jun 2019 8:38

Instrument :

MSVOA_N

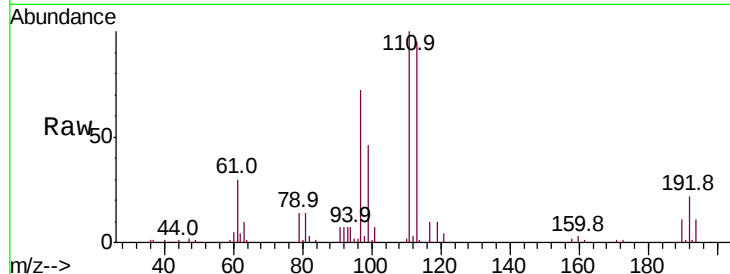
ClientSampleId :

VSTDCCC050

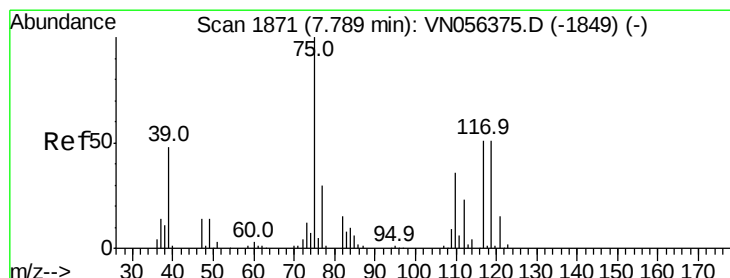
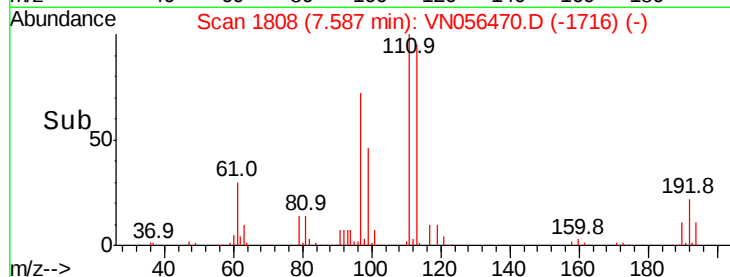
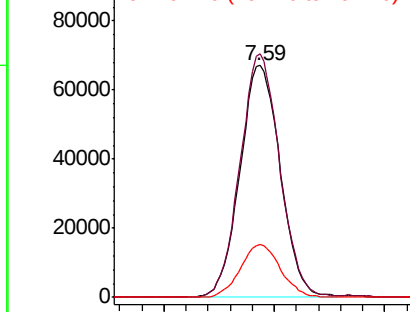
Tot Ion:	113	Resp:	170333
Ion Ratio	Lower	Upper	
113	100		
111	103.0	82.9	124.3
192	22.5	17.7	26.5

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Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 48.571 ug/l

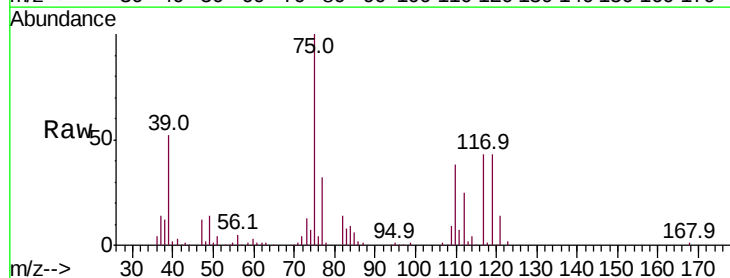
RT: 7.79 min Scan# 1871

Delta R.T. 0.00 min

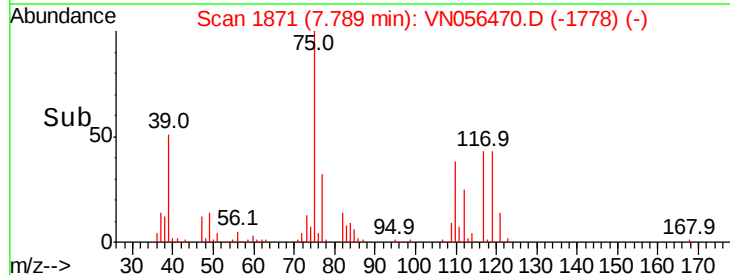
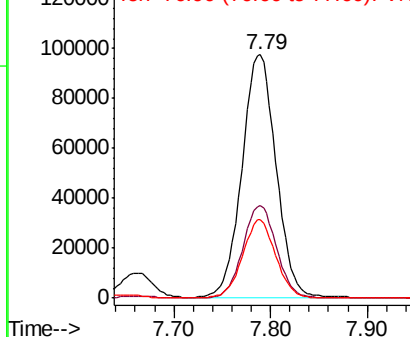
Lab File: VN056470.D

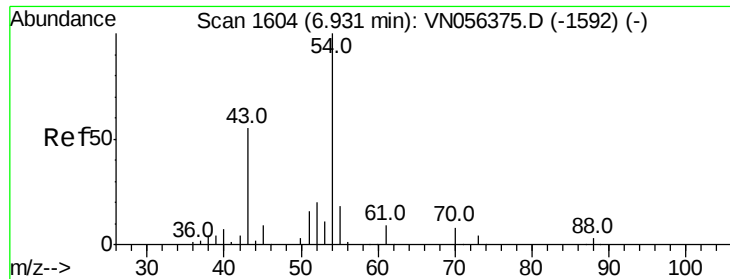
Acq: 25 Jun 2019 8:38

Tgt Ion:	75	Resp:	238065
Ion Ratio	Lower	Upper	
75	100		
110	37.5	18.1	54.3
77	31.5	24.6	36.8



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VNO





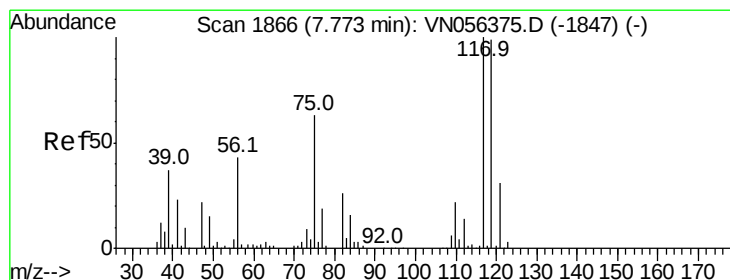
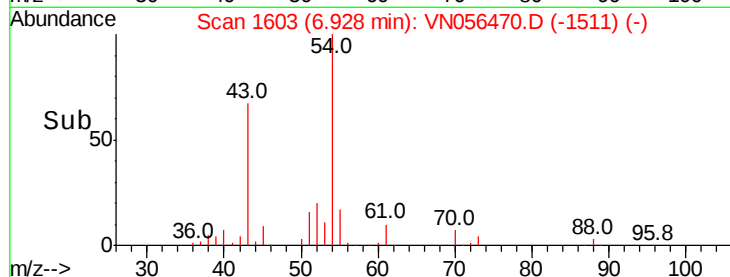
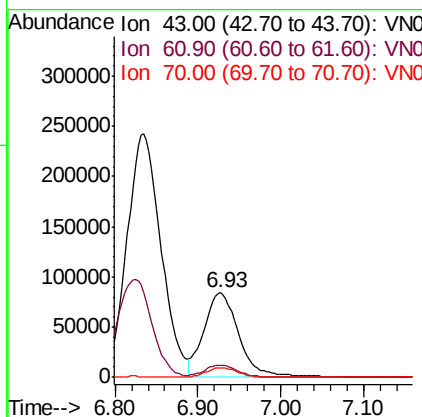
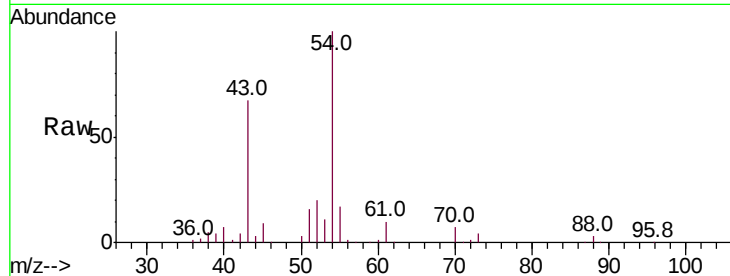
#37
Ethyl Acetate
Concen: 50.412 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN056470.D
Acq: 25 Jun 2019 8:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.1	16.7
70	10.1	8.3	12.5

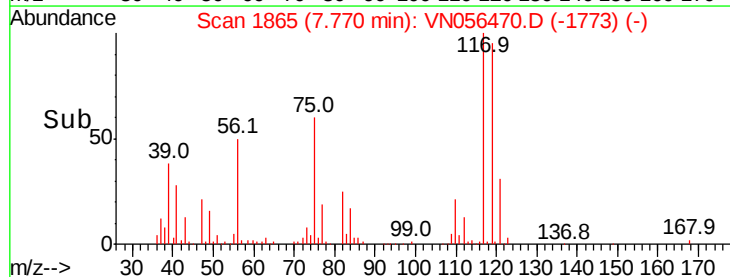
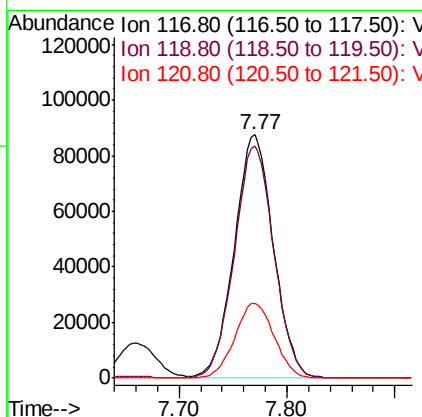
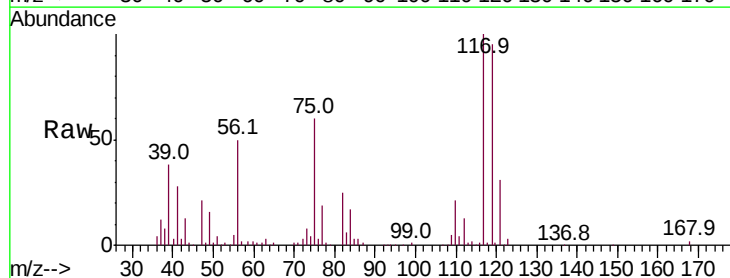
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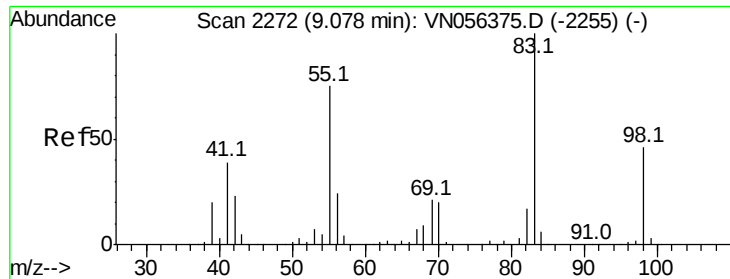
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#38
Carbon Tetrachloride
Concen: 51.317 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN056470.D
Acq: 25 Jun 2019 8:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.4	79.1	118.7
121	30.9	24.8	37.2





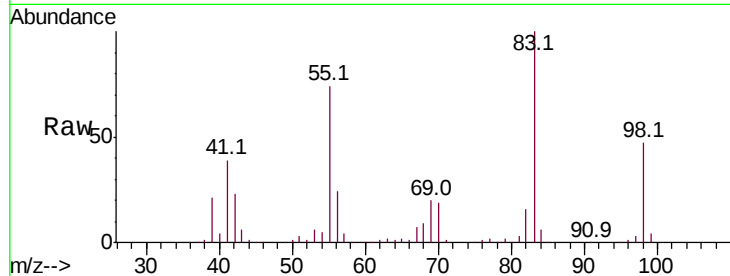
#39
Methvlcvclohexane
Concen: 49.668 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056470.D
Acq: 25 Jun 2019 8:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

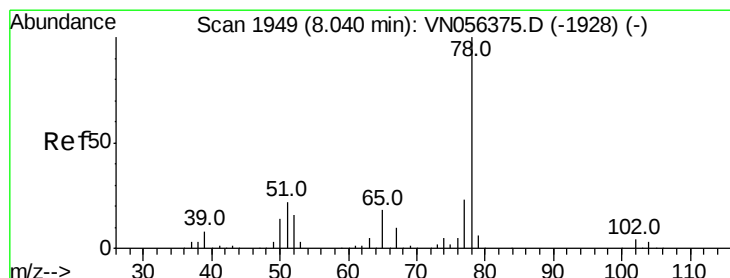
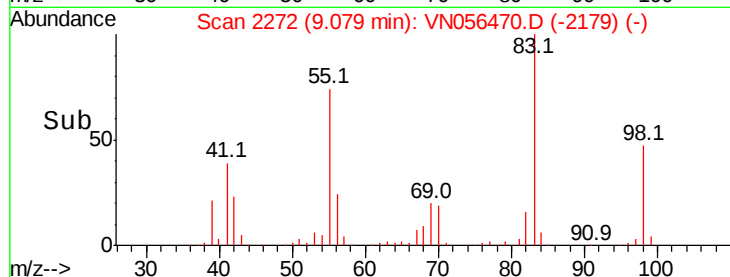
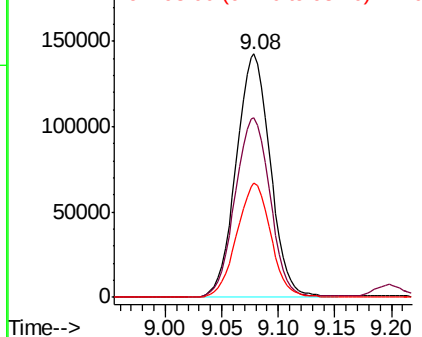
Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	73.9	60.0	90.0	
98	47.1	36.6	54.8	

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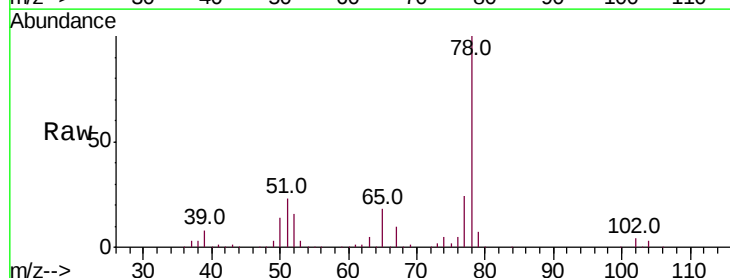


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

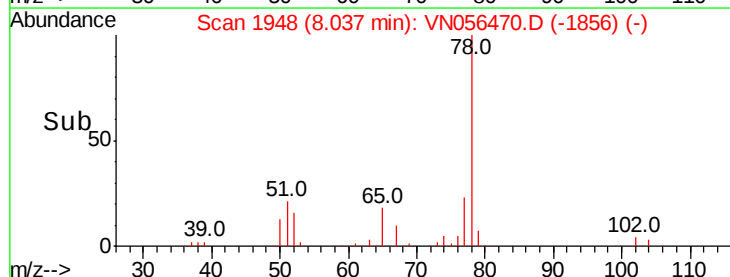
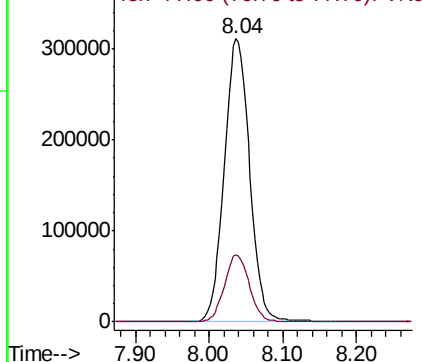


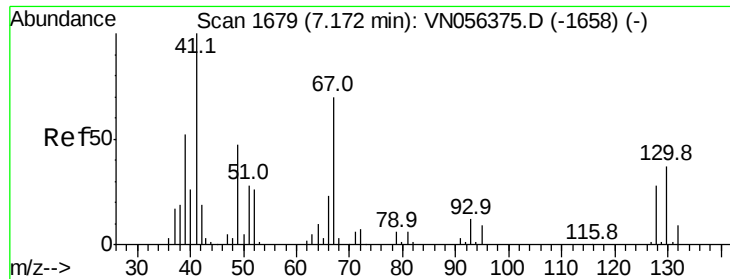
#40
Benzene
Concen: 49.333 ug/l
RT: 8.04 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VN056470.D
Acq: 25 Jun 2019 8:38

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.6	18.3	27.5	



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





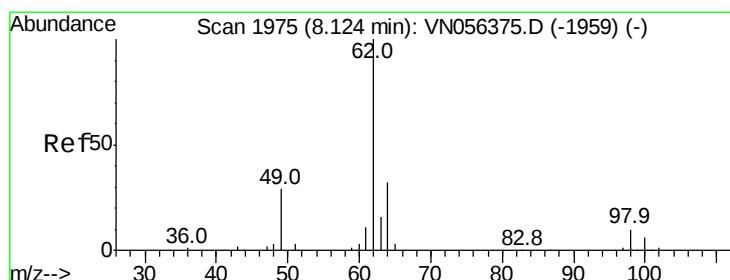
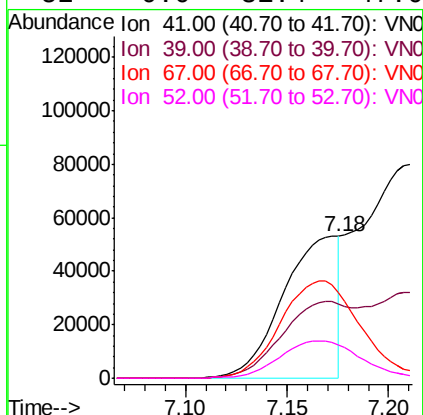
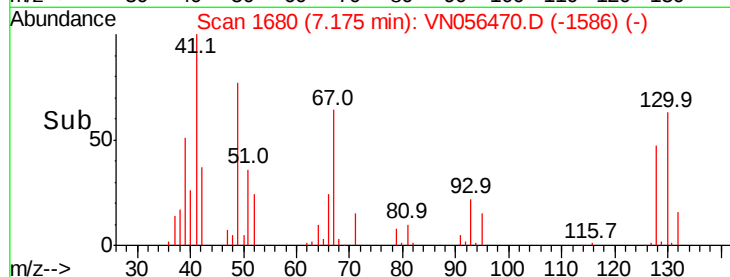
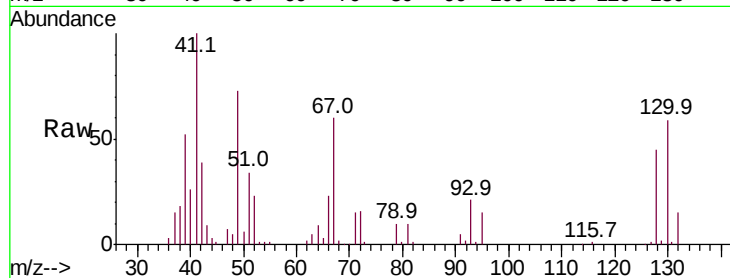
#41
Methacrylonitrile
Concen: 47.749 ug/l m
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN056470.D
Acq: 25 Jun 2019 8:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	55.3	82.9#
67	0.0	79.2	118.8#
52	0.0	31.4	47.0#

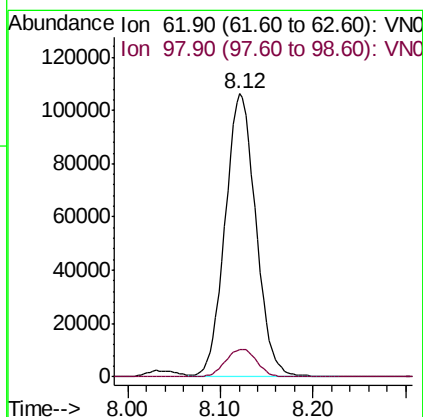
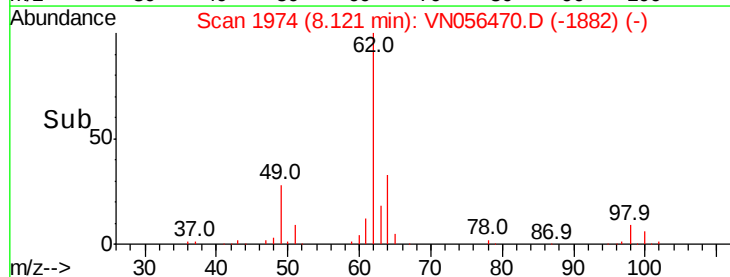
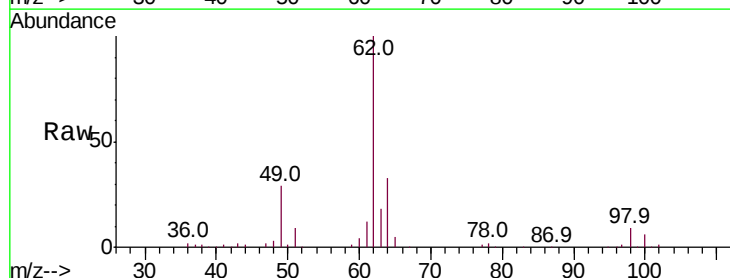
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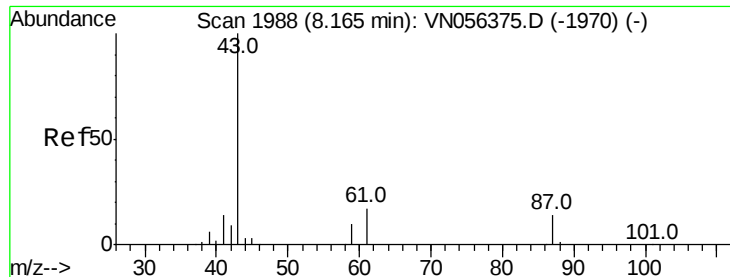
MMDadoda
6/26/2019 9:28:09 AM



#42
1,2-Dichloroethane
Concen: 48.733 ug/l
RT: 8.12 min Scan# 1974
Delta R.T. -0.00 min
Lab File: VN056470.D
Acq: 25 Jun 2019 8:38

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	19.4





#43

Isopropyl Acetate

Concen: 52.534 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN056470.D

Acq: 25 Jun 2019 8:38

Instrument :

MSVOA_N

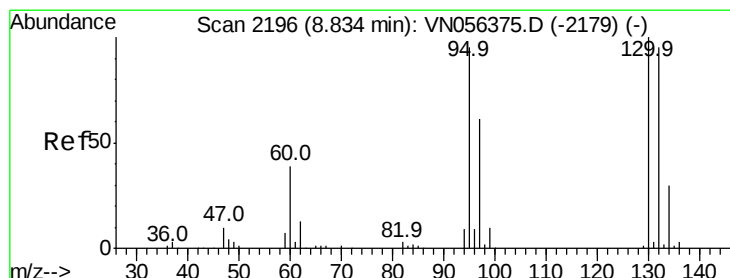
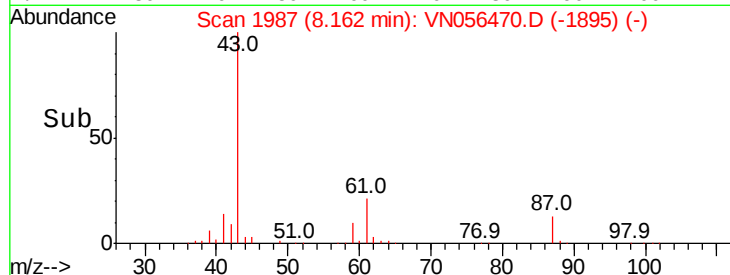
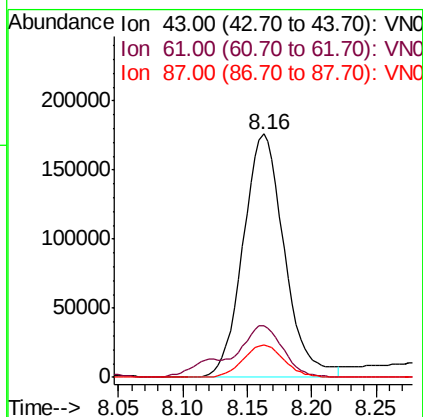
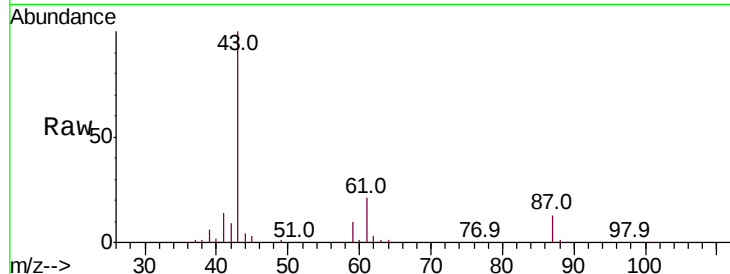
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	390184
Ion Ratio	Lower	Upper	
43	100		
61	20.9	22.0	33.0#
87	13.3	11.0	16.4

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#44

Trichloroethene

Concen: 50.522 ug/l

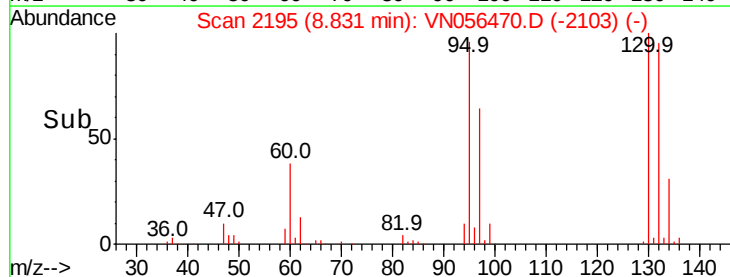
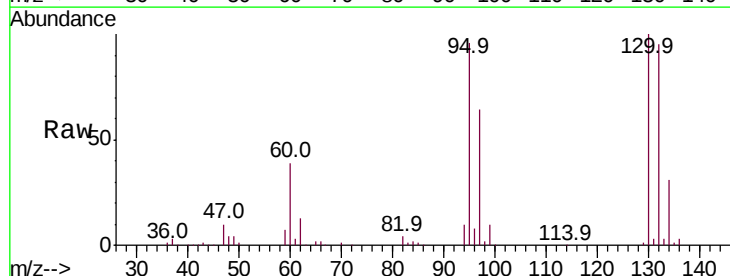
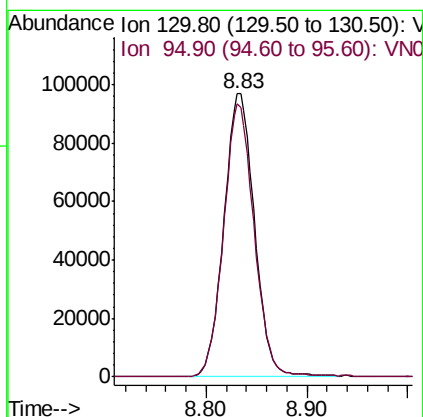
RT: 8.83 min Scan# 2195

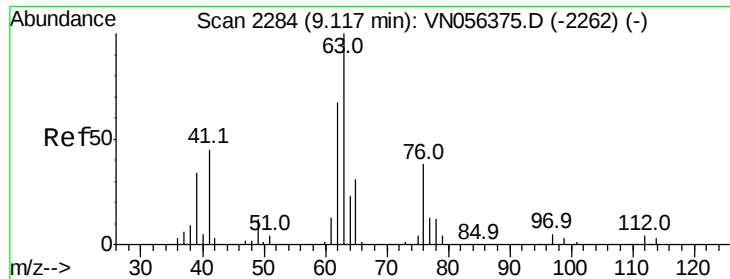
Delta R.T. -0.00 min

Lab File: VN056470.D

Acq: 25 Jun 2019 8:38

Tgt Ion:	130	Resp:	205185
Ion Ratio	Lower	Upper	
130	100		
95	96.4	0.0	191.0





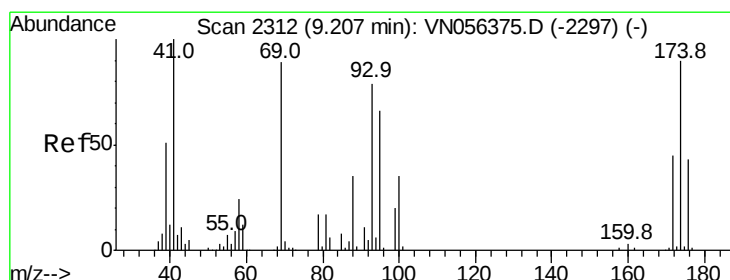
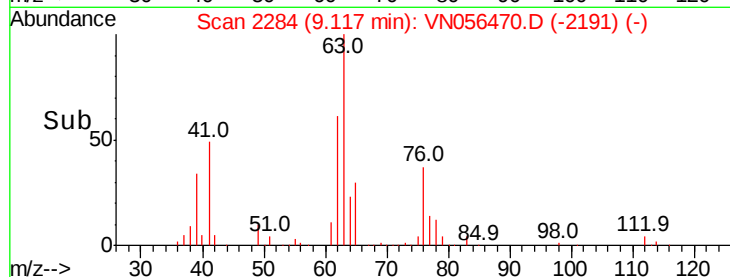
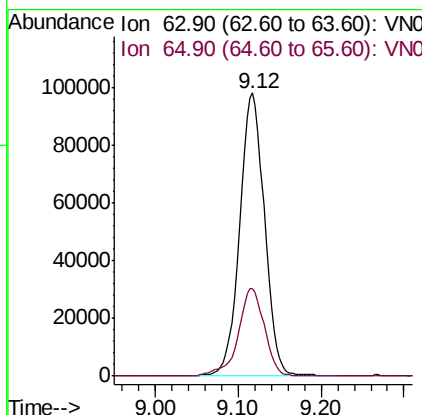
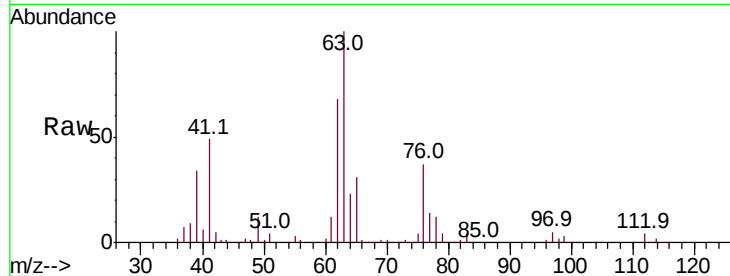
#45
 1,2-Dichloropropane
 Concen: 50.863 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056470.D
 Acq: 25 Jun 2019 8:38

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion: 63 Resp: 205079
 Ion Ratio Lower Upper
 63 100
 65 31.1 25.0 37.6

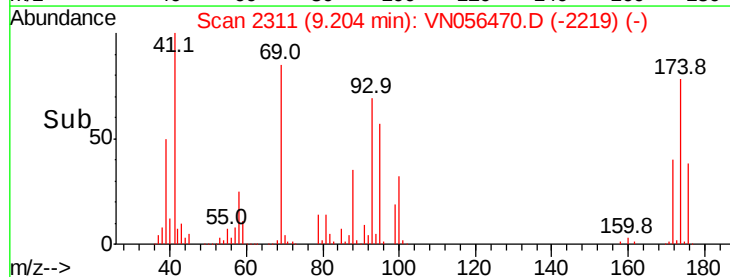
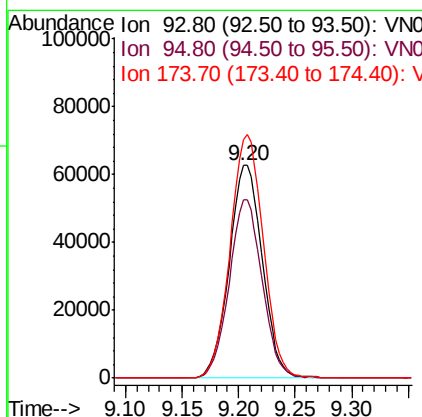
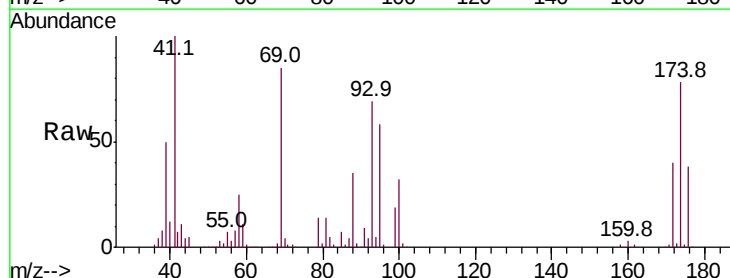
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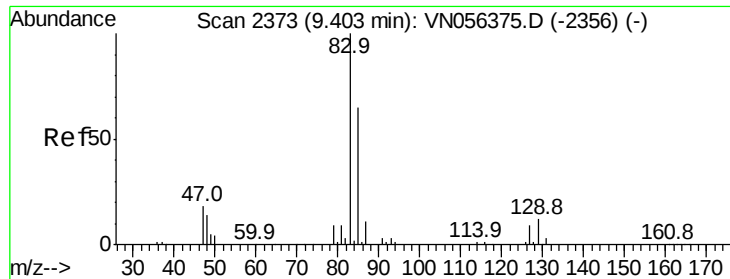
MMDadoda
 6/26/2019 9:28:09 AM



#46
 Dibromomethane
 Concen: 50.825 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN056470.D
 Acq: 25 Jun 2019 8:38

Tgt Ion: 93 Resp: 128211
 Ion Ratio Lower Upper
 93 100
 95 82.8 66.2 99.2
 174 114.4 90.8 136.2





#47

Bromodichloromethane

Concen: 54.102 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN056470.D

Acq: 25 Jun 2019 8:38

Instrument :

MSVOA_N

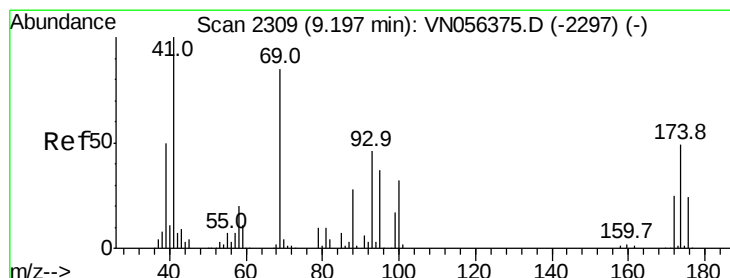
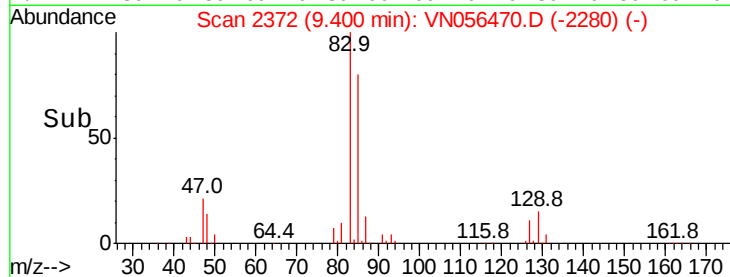
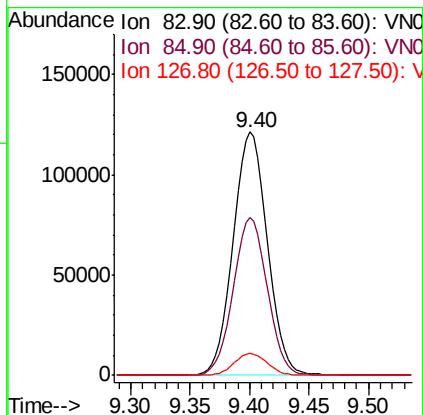
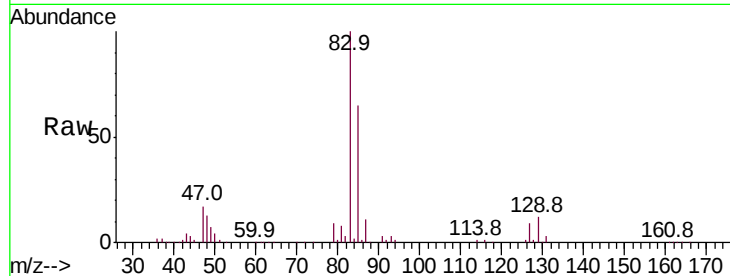
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	242052
Ion Ratio	Lower	Upper	
83	100		
85	65.1	52.2	78.4
127	9.1	7.3	10.9

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#48

Methyl methacrylate

Concen: 50.564 ug/l

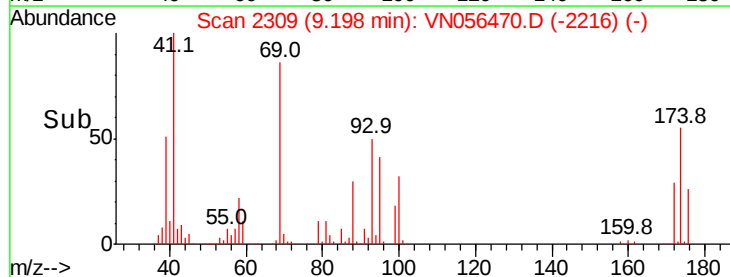
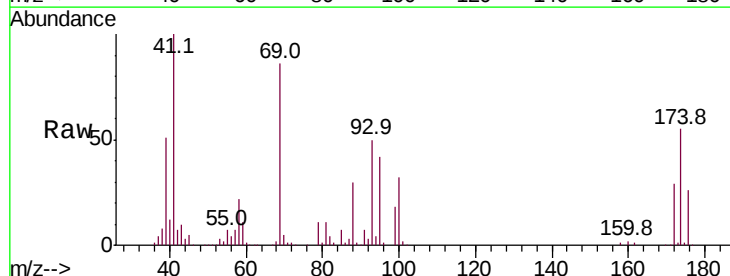
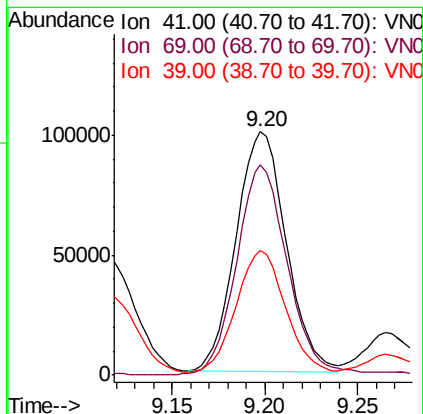
RT: 9.20 min Scan# 2309

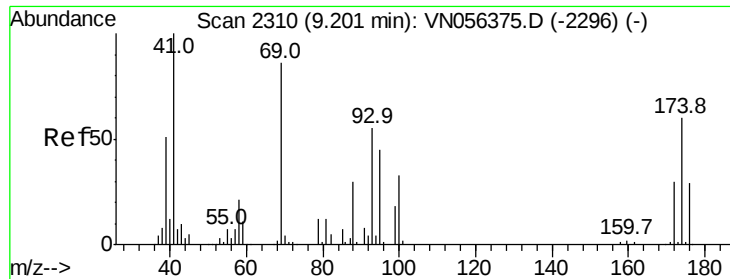
Delta R.T. 0.00 min

Lab File: VN056470.D

Acq: 25 Jun 2019 8:38

Tgt Ion:	41	Resp:	188200
Ion Ratio	Lower	Upper	
41	100		
69	89.9	72.6	109.0
39	51.7	42.6	63.8





#49

1,4-Dioxane

Concen: 1056.573 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN056470.D

Acq: 25 Jun 2019 8:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 88 Resp: 81609

Ion Ratio Lower Upper

88 100

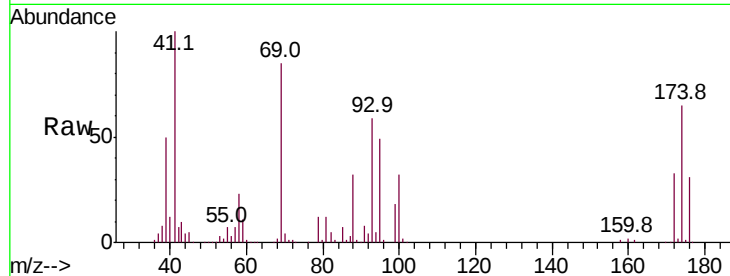
43 24.5 22.0 33.0

58 63.8 51.8 77.8

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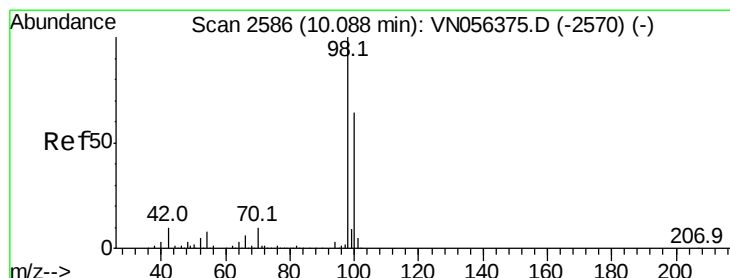
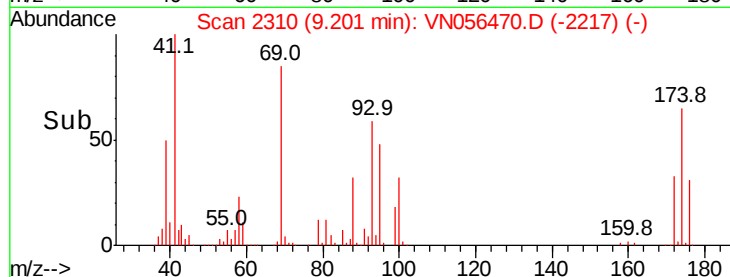
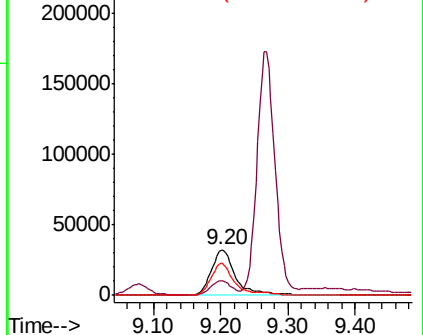
6/26/2019 9:28:09 AM



Abundance Ion 88.00 (87.70 to 88.70): VN056470.D (-2217) (-)

Ion 43.00 (42.70 to 43.70): VN056470.D (-2217) (-)

Ion 58.00 (57.70 to 58.70): VN056470.D (-2217) (-)



#50

Toluene-d8

Concen: 48.009 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN056470.D

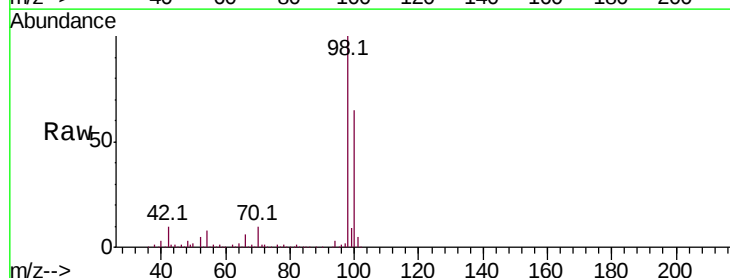
Acq: 25 Jun 2019 8:38

Tgt Ion: 98 Resp: 648942

Ion Ratio Lower Upper

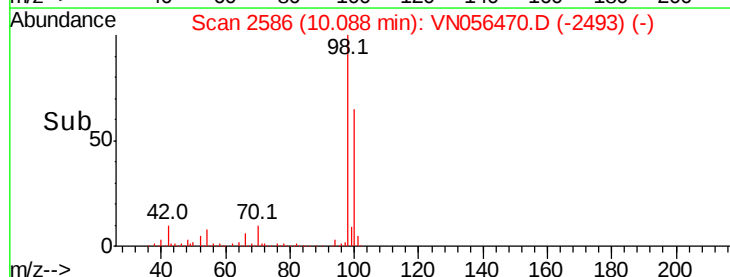
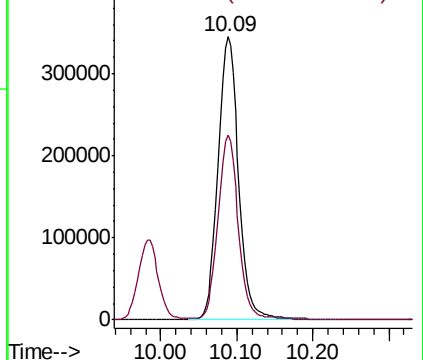
98 100

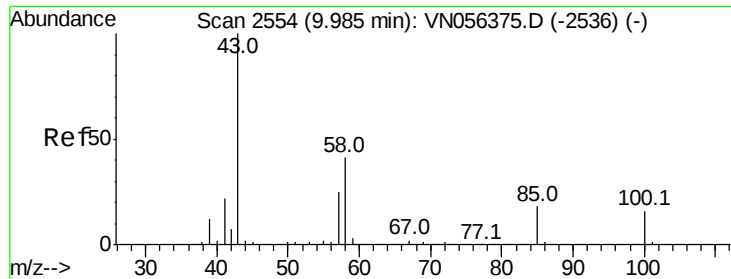
100 65.1 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN056470.D (-2493) (-)

Ion 100.00 (99.70 to 100.70): VN056470.D (-2493) (-)





#51

4-Methyl-2-Pentanone

Concen: 251.916 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN056470.D

Acq: 25 Jun 2019 8:38

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 1207654

Ion Ratio Lower Upper

43 100

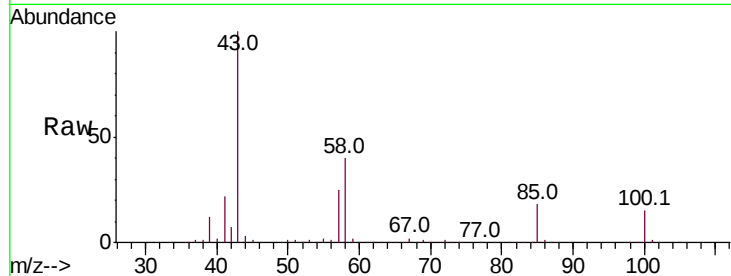
58 39.3 31.8 47.8

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.98

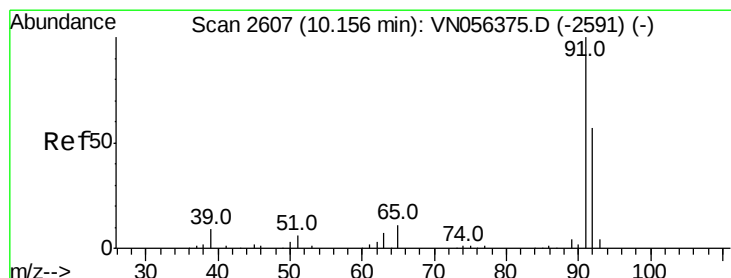
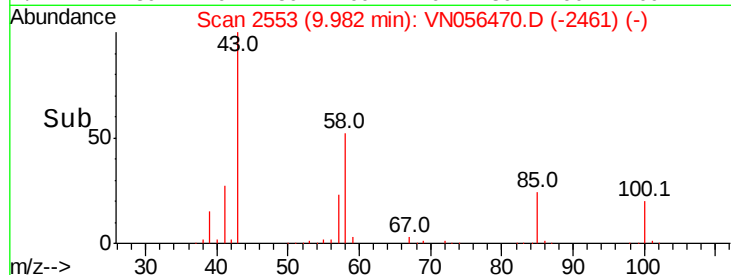
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 50.320 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN056470.D

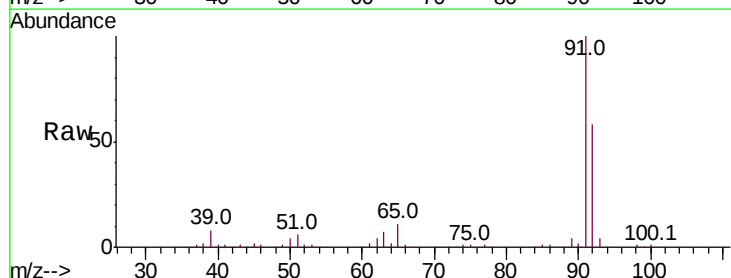
Acq: 25 Jun 2019 8:38

Tgt Ion: 92 Resp: 463821

Ion Ratio Lower Upper

92 100

91 173.3 140.6 211.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

500000

400000

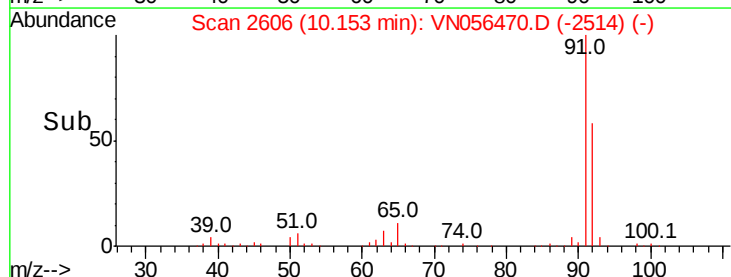
300000

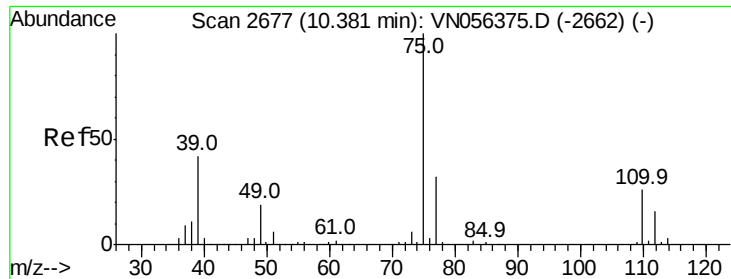
200000

100000

0

Time-->





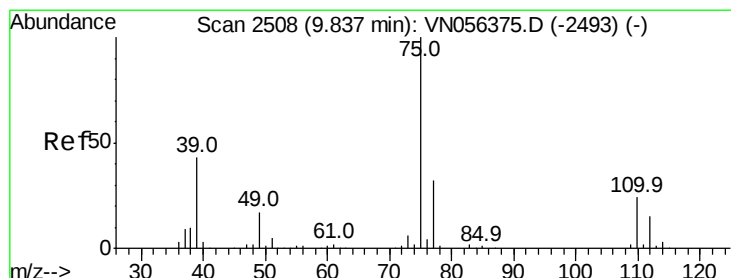
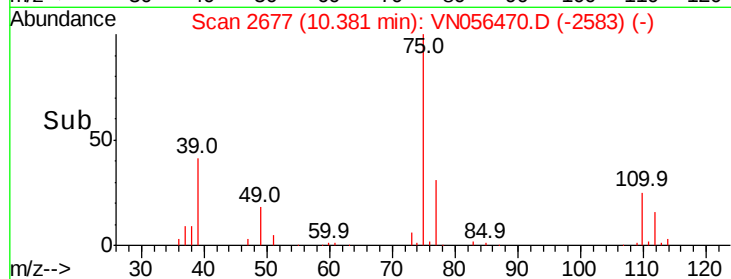
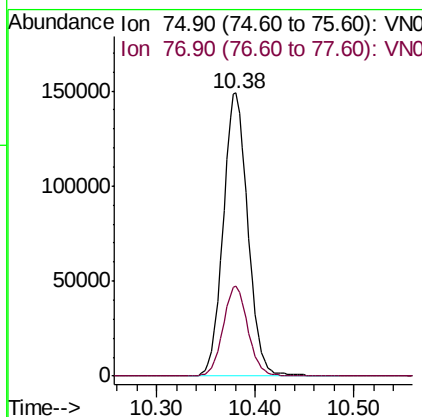
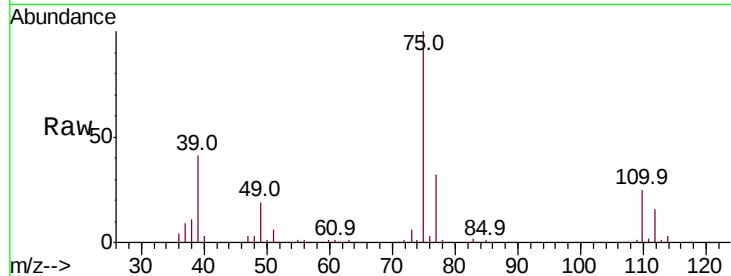
#53
 t-1,3-Dichloropropene
 Concen: 50.148 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN056470.D
 Acq: 25 Jun 2019 8:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 261363
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.4 38.2

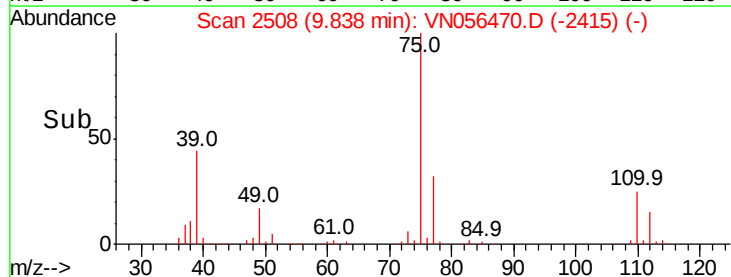
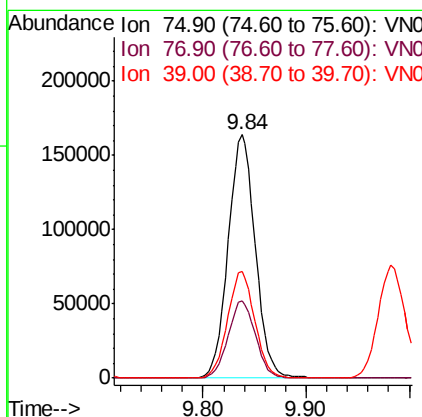
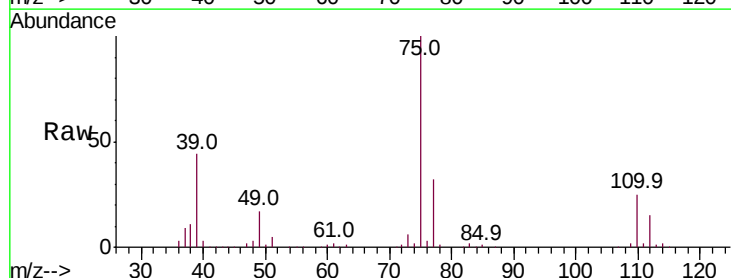
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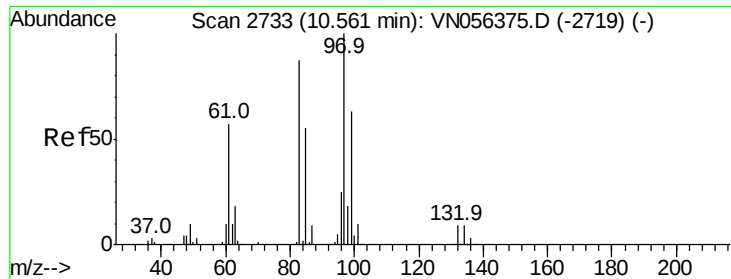
MMDadoda
 6/26/2019 9:28:09 AM



#54
 cis-1,3-Dichloropropene
 Concen: 55.974 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. 0.00 min
 Lab File: VN056470.D
 Acq: 25 Jun 2019 8:38

Tgt Ion: 75 Resp: 301569
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.2 37.8
 39 43.7 34.2 51.4





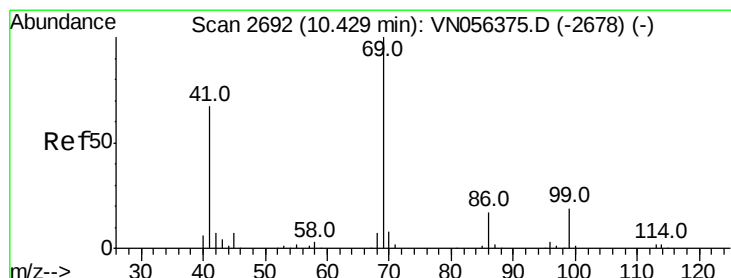
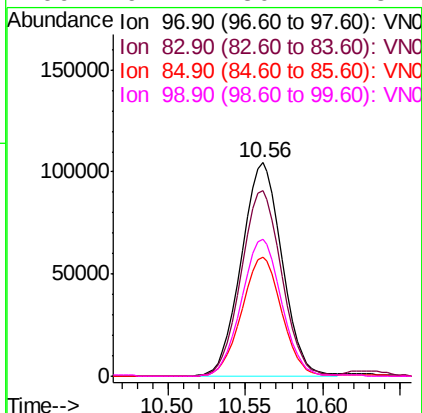
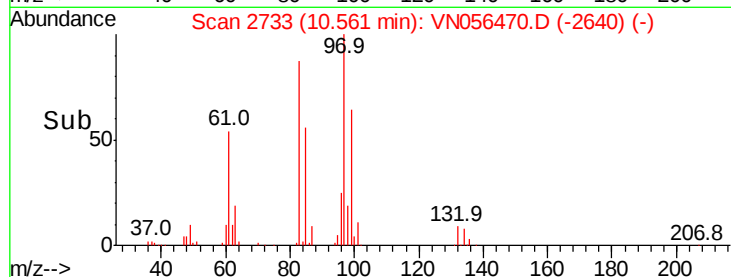
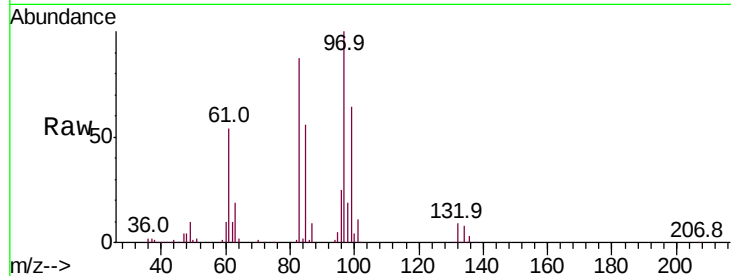
#55
1,1,2-Trichloroethane
Concen: 51.692 ug/l
RT: 10.56 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VN056470.D
Acq: 25 Jun 2019 8:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
97	100	191522		
83	87.1	69.8	104.6	
85	56.0	43.8	65.8	
99	64.2	50.2	75.2	

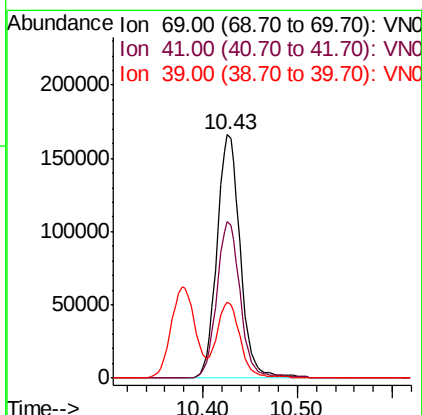
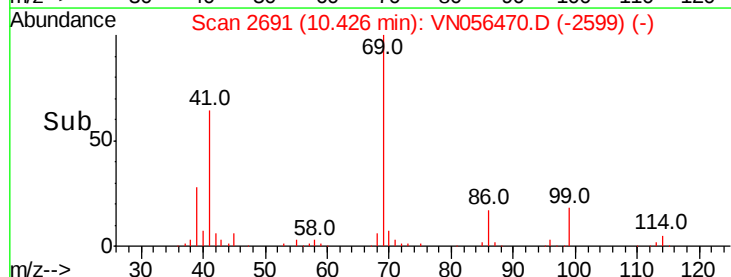
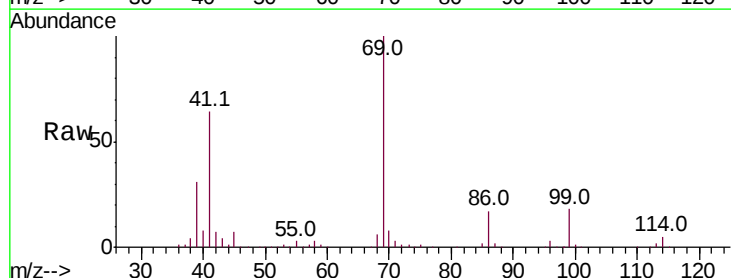
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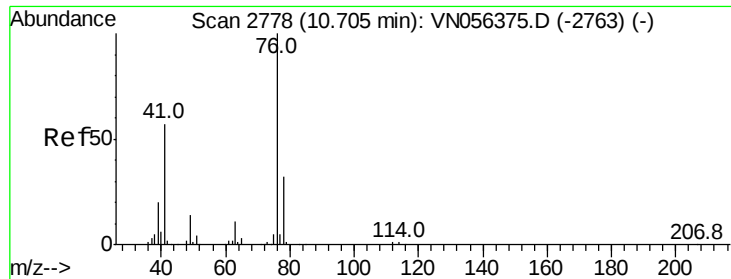
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#56
Ethyl methacrylate
Concen: 52.447 ug/l
RT: 10.43 min Scan# 2691
Delta R.T. -0.00 min
Lab File: VN056470.D
Acq: 25 Jun 2019 8:38

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	283982		
41	64.3	51.4	77.2	
39	31.5	24.7	37.1	





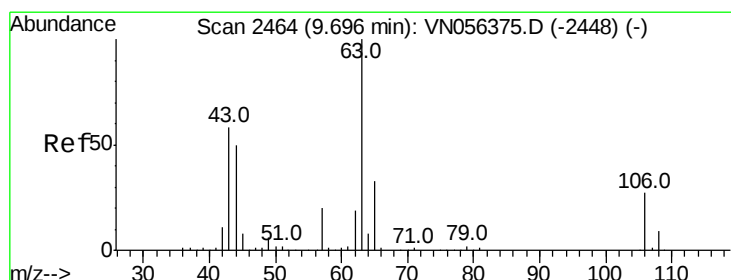
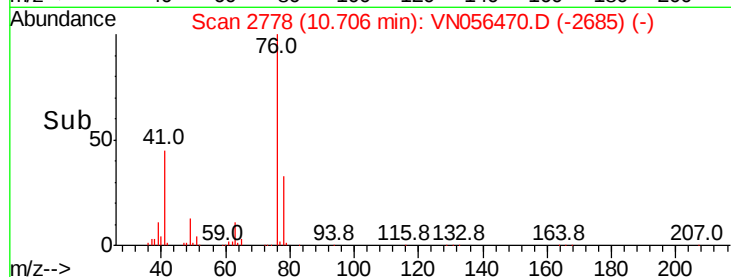
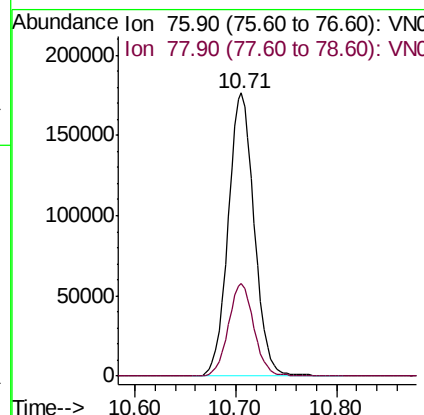
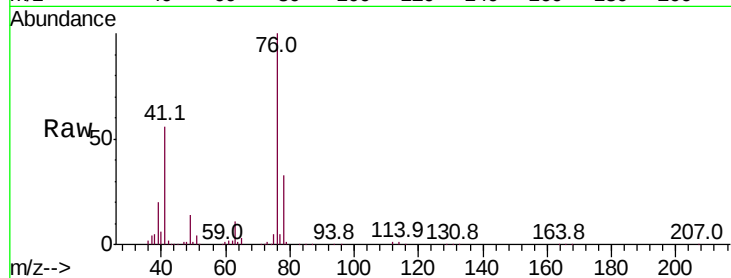
#57
 1,3-Dichloropropane
 Concen: 50.933 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN056470.D
 Acq: 25 Jun 2019 8:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.9	38.9

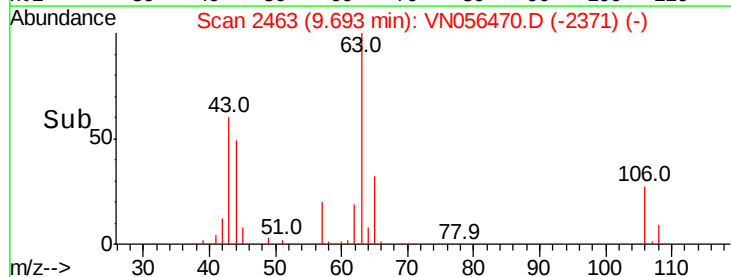
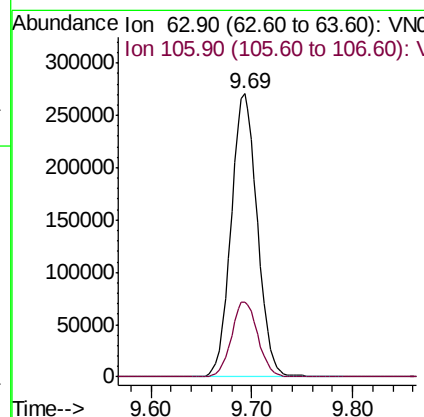
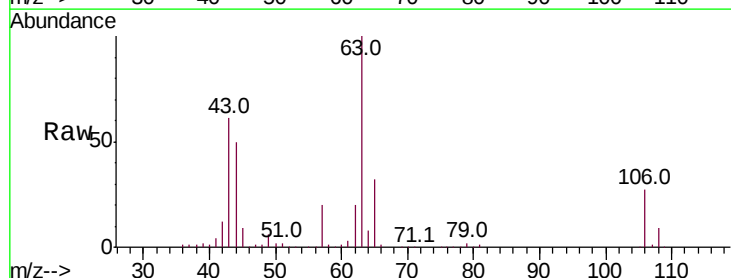
Manual Integrations
 APPROVED

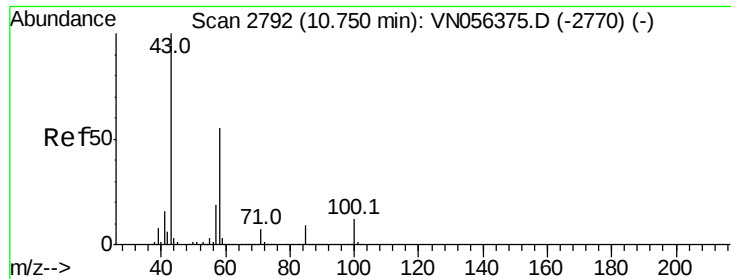
MMDadoda
 6/26/2019 9:28:09 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 251.764 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN056470.D
 Acq: 25 Jun 2019 8:38

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.6	21.6	32.4





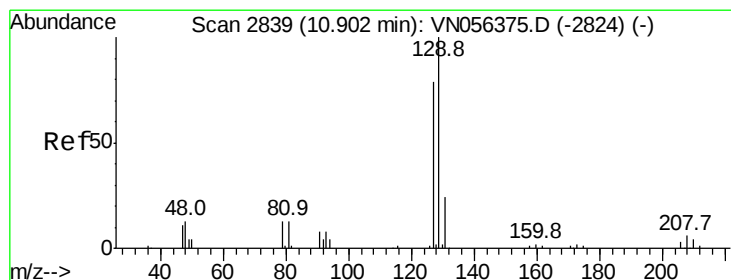
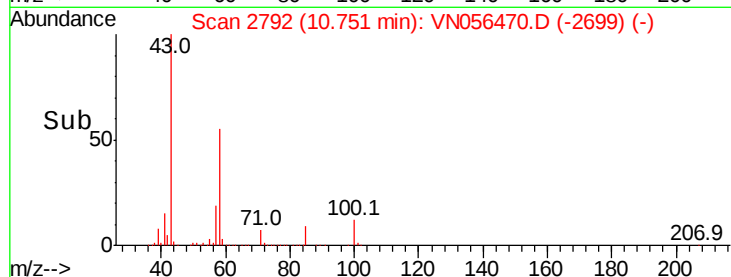
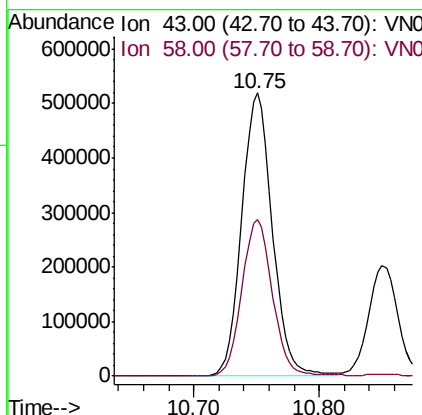
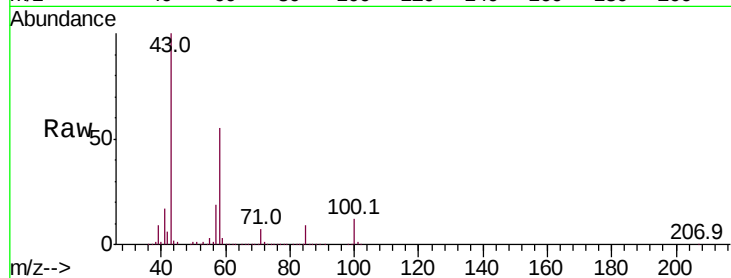
#59
2-Hexanone
Concen: 250.311 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN056470.D
Acq: 25 Jun 2019 8:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 881928
Ion Ratio Lower Upper
43 100
58 55.6 27.8 83.4

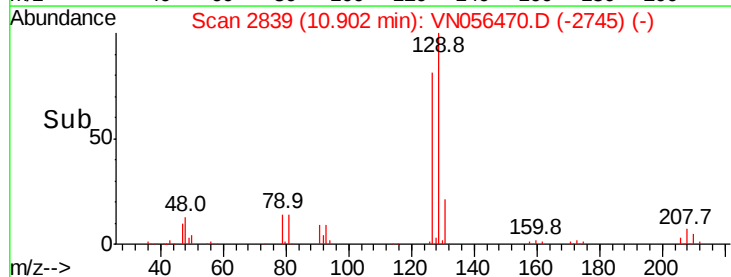
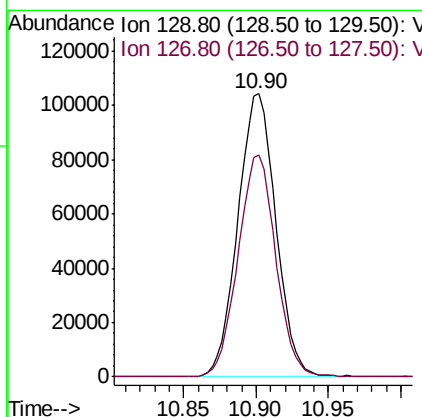
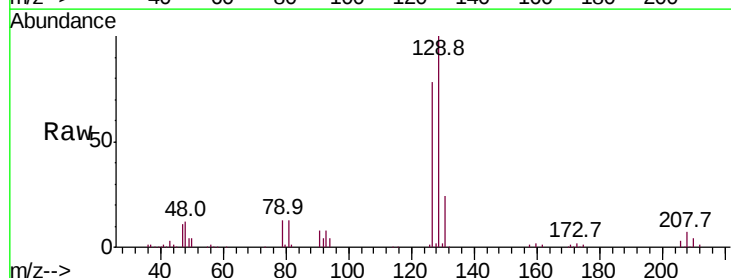
Manual Integrations
APPROVED

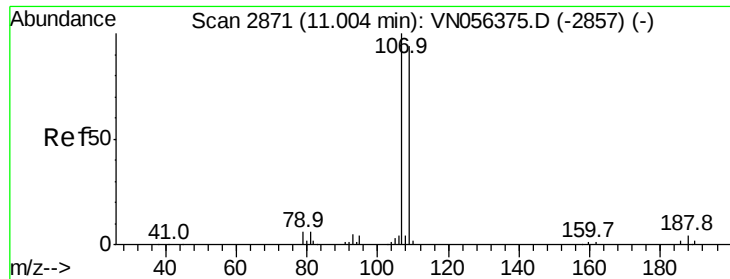
MMDadoda
6/26/2019 9:28:09 AM



#60
Dibromochloromethane
Concen: 50.036 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056470.D
Acq: 25 Jun 2019 8:38

Tgt Ion: 129 Resp: 190560
Ion Ratio Lower Upper
129 100
127 77.9 38.9 116.7





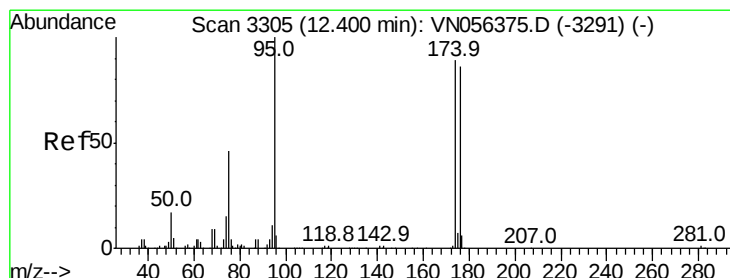
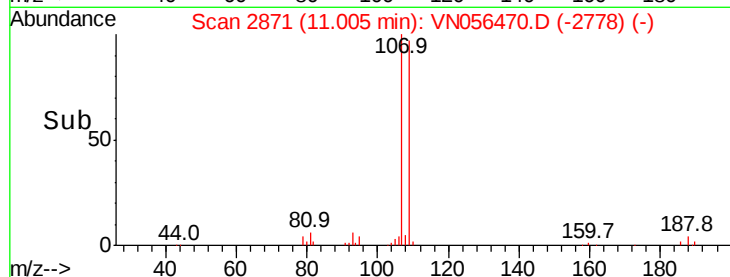
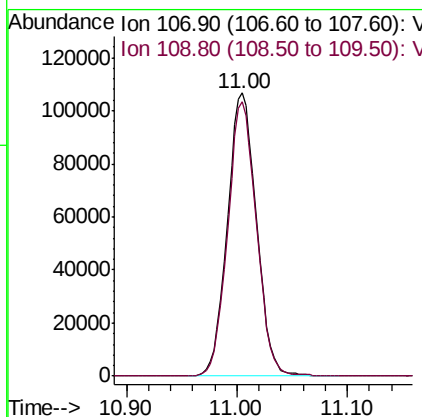
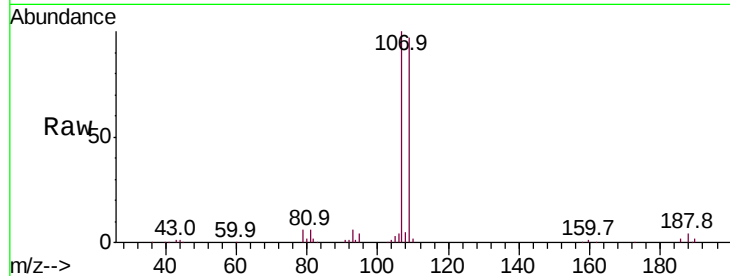
#61
 1,2-Dibromoethane
 Concen: 51.511 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN056470.D
 Acq: 25 Jun 2019 8:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.7	75.3	112.9

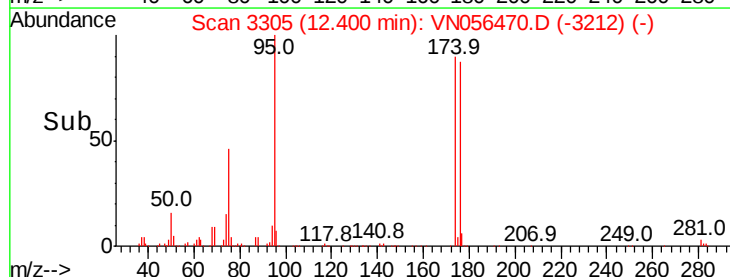
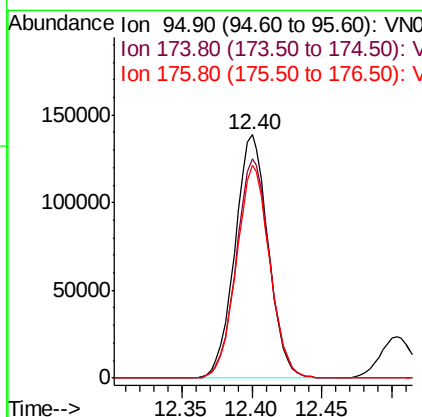
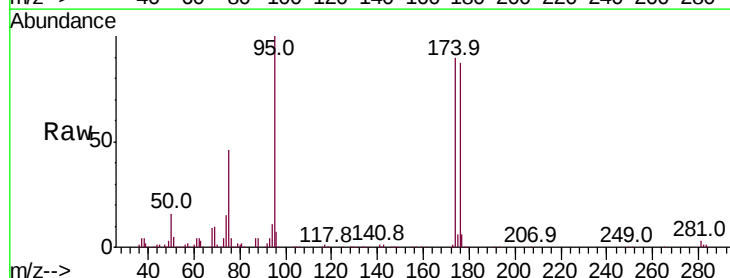
Manual Integrations
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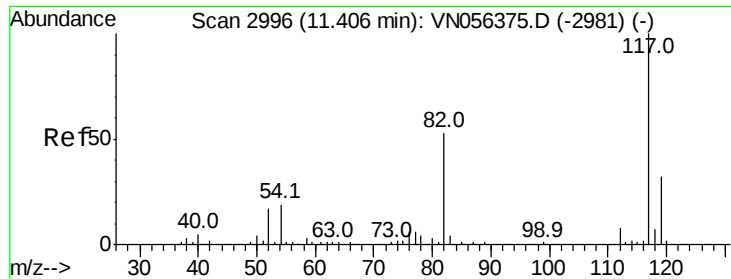
MMDadoda
 6/26/2019 9:28:09 AM



#62
 4-Bromofluorobenzene
 Concen: 50.872 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN056470.D
 Acq: 25 Jun 2019 8:38

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.2	0.0	179.4
176	87.6	0.0	173.4





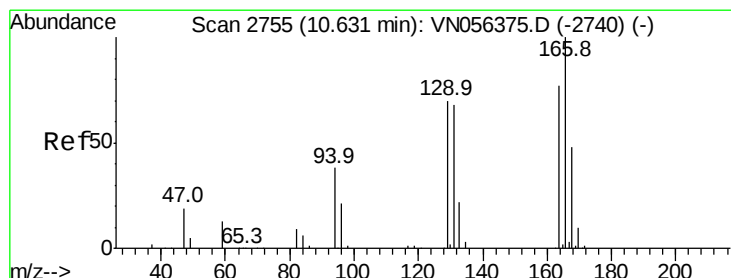
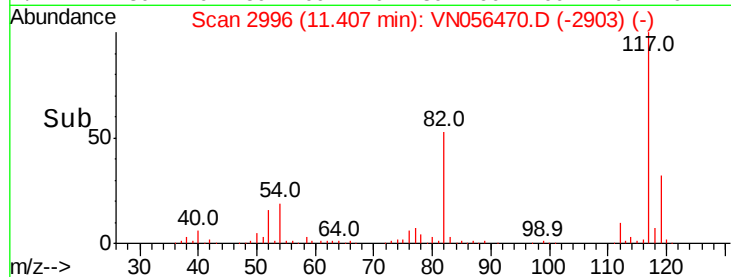
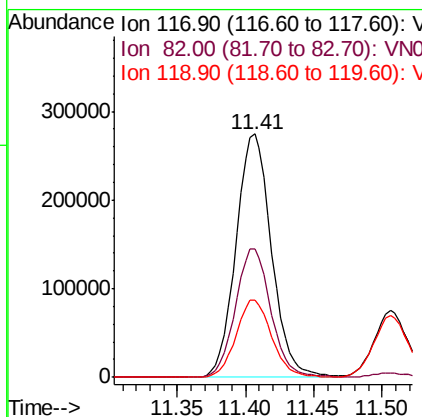
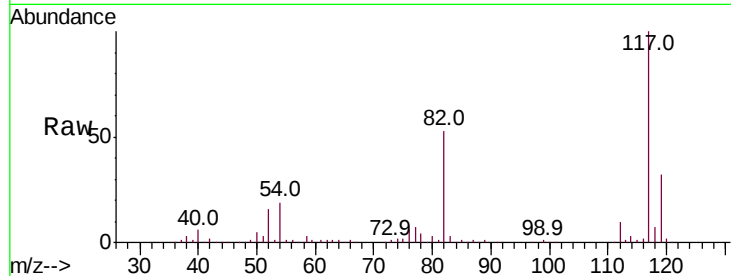
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056470.D
Acq: 25 Jun 2019 8:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.9	42.0	63.0
119	31.7	25.3	37.9

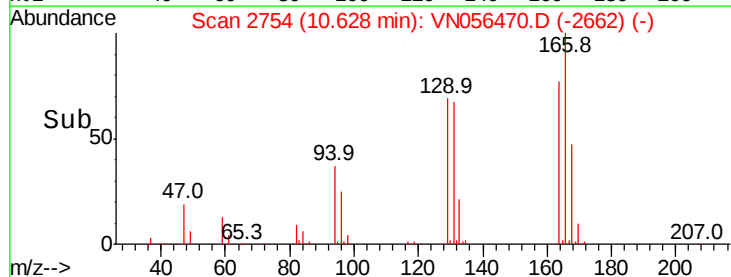
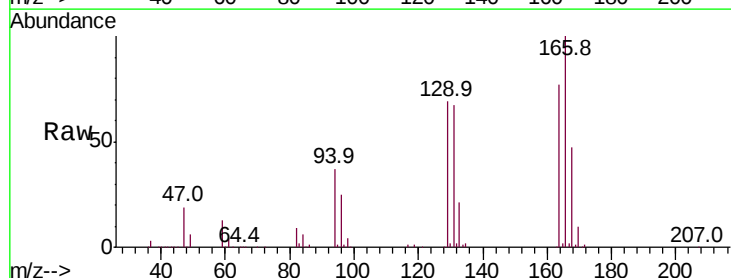
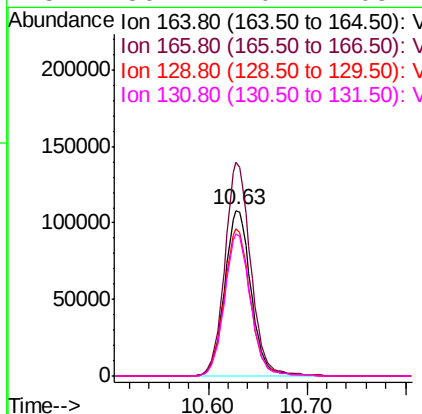
Manual Integrations
APPROVED

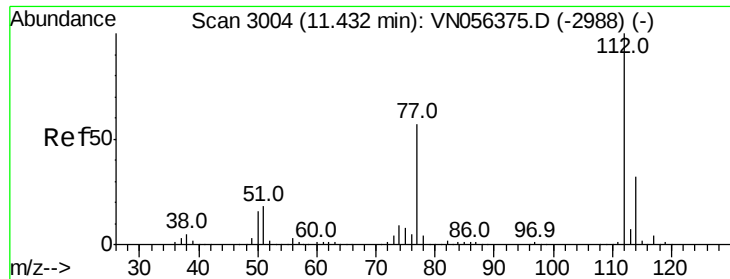
MMDadoda
6/26/2019 9:28:09 AM



#64
Tetrachloroethene
Concen: 51.535 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN056470.D
Acq: 25 Jun 2019 8:38

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.1	103.4	155.0
129	89.1	72.0	108.0
131	86.1	70.2	105.2





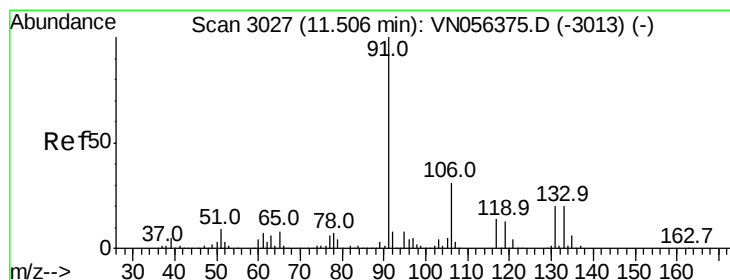
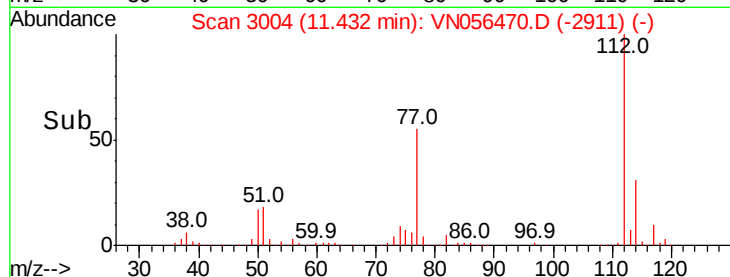
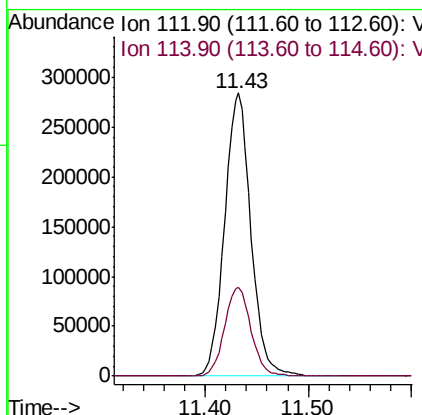
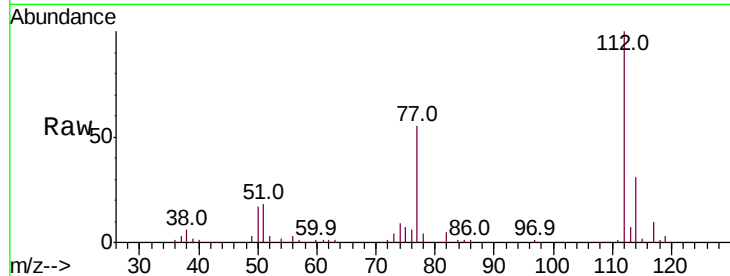
#65
Chlorobenzene
Concen: 50.526 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056470.D
Acq: 25 Jun 2019 8:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 503751
Ion Ratio Lower Upper
112 100
114 31.3 25.4 38.2

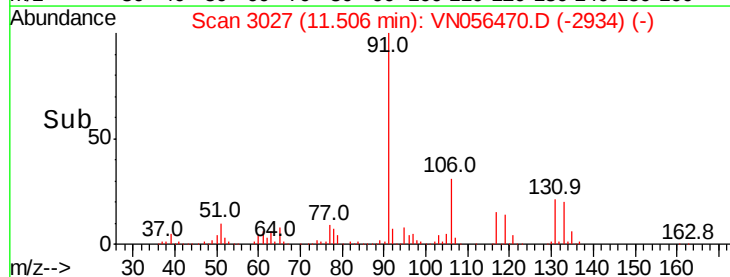
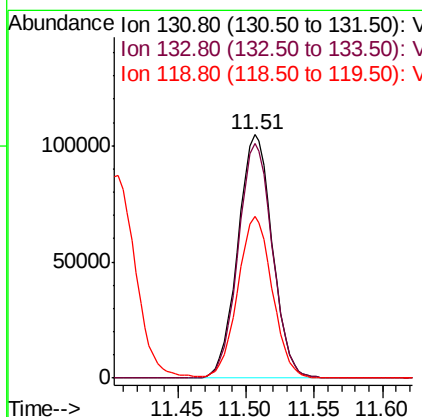
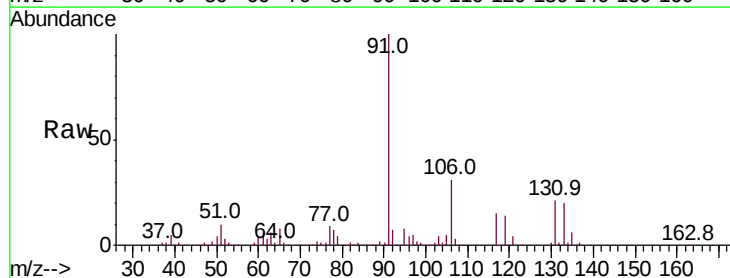
Manual Integrations
APPROVED

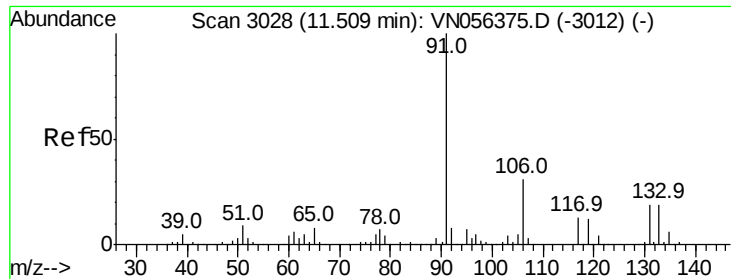
MMDadoda
6/26/2019 9:28:09 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 54.630 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN056470.D
Acq: 25 Jun 2019 8:38

Tgt Ion:131 Resp: 184085
Ion Ratio Lower Upper
131 100
133 95.8 47.4 142.2
119 66.4 32.8 98.4





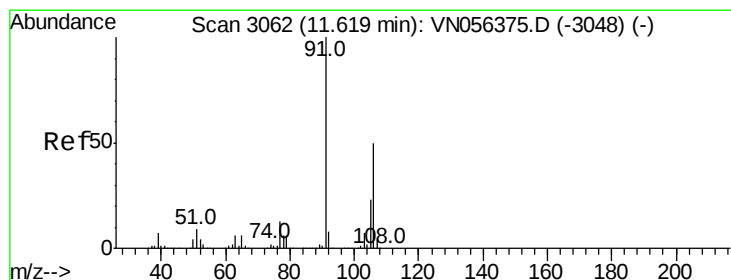
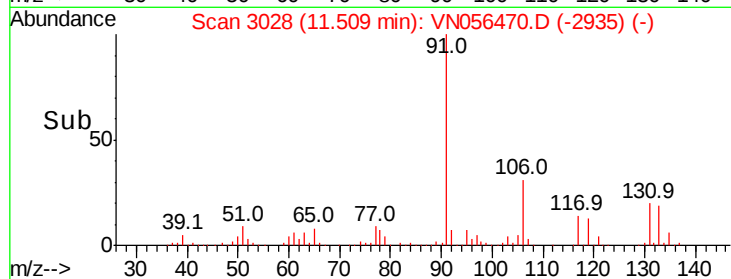
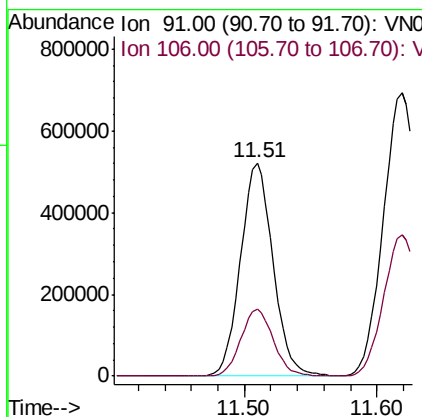
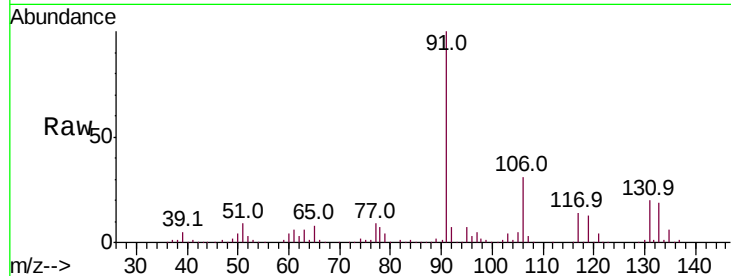
#67
Ethyl Benzene
Concen: 50.631 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056470.D
Acq: 25 Jun 2019 8:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 886346
Ion Ratio Lower Upper
91 100
106 31.3 25.1 37.7

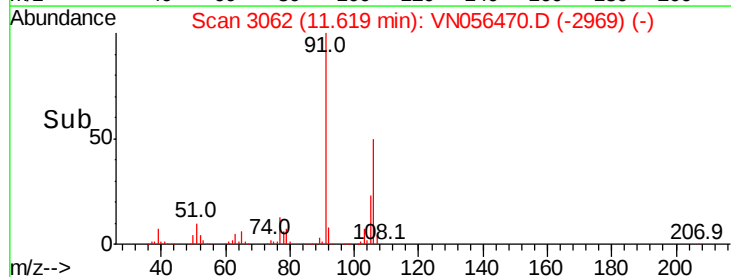
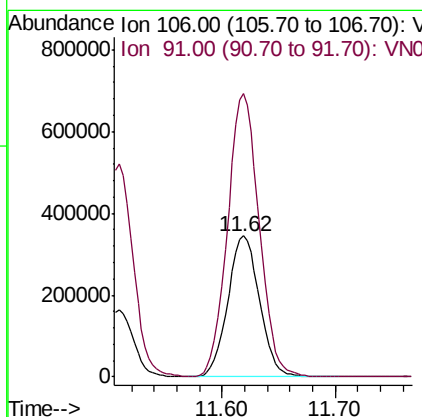
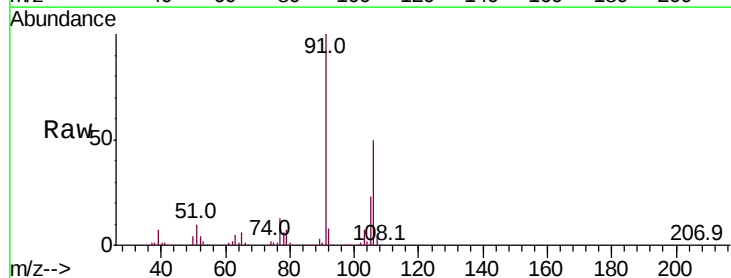
Manual Integrations
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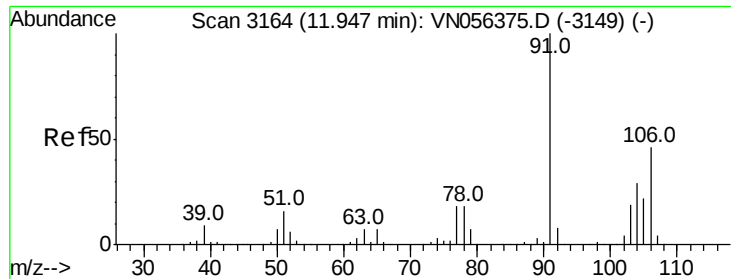
MMDadoda
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#68
m/p-Xylenes
Concen: 104.529 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056470.D
Acq: 25 Jun 2019 8:38

Tgt Ion: 106 Resp: 670617
Ion Ratio Lower Upper
106 100
91 200.4 160.1 240.1





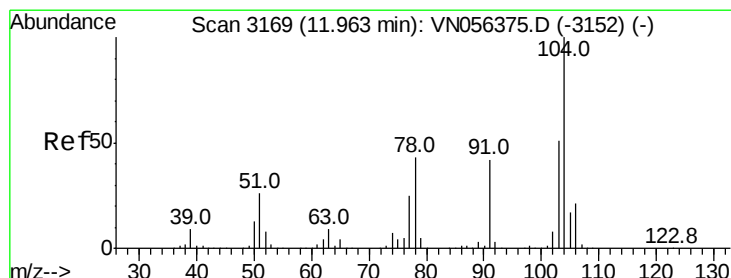
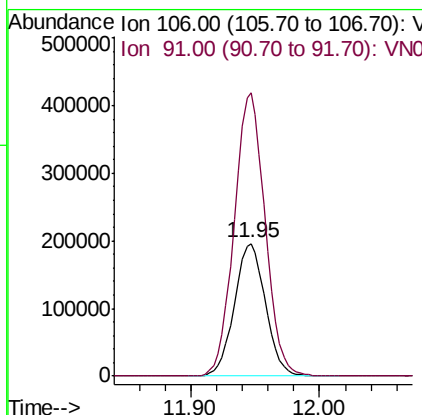
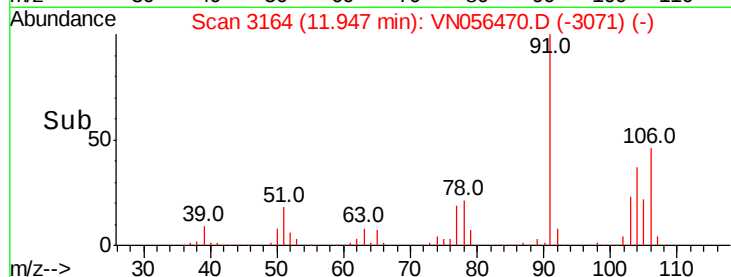
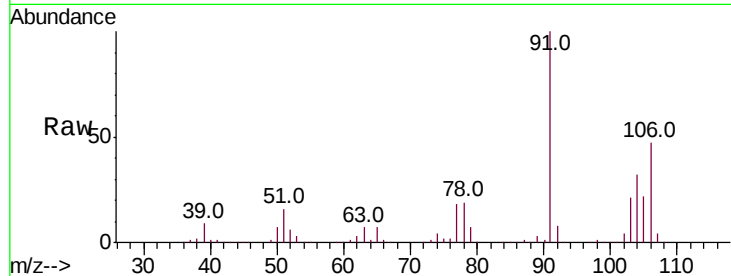
#69
o-Xylene
Concen: 51.764 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056470.D
Acq: 25 Jun 2019 8:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 328558
Ion Ratio Lower Upper
106 100
91 211.8 107.1 321.3

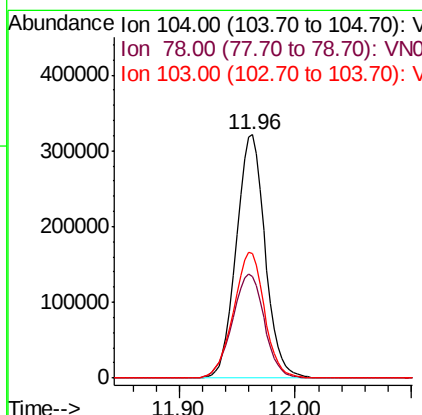
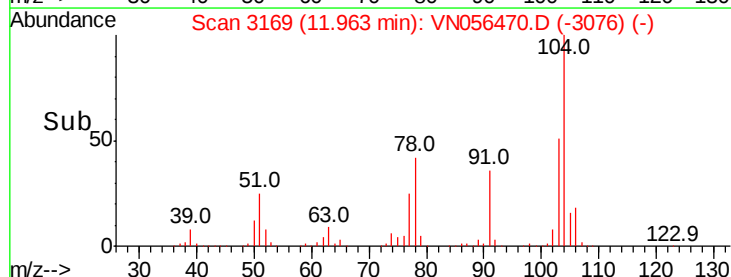
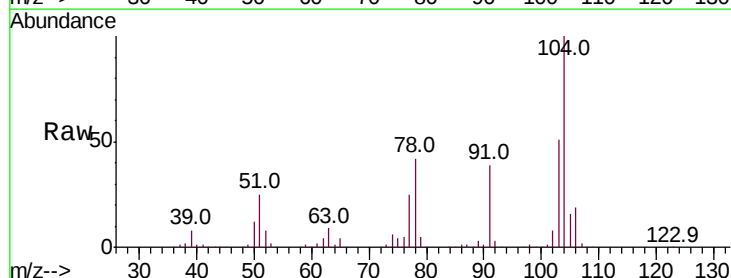
Manual Integrations
APPROVED

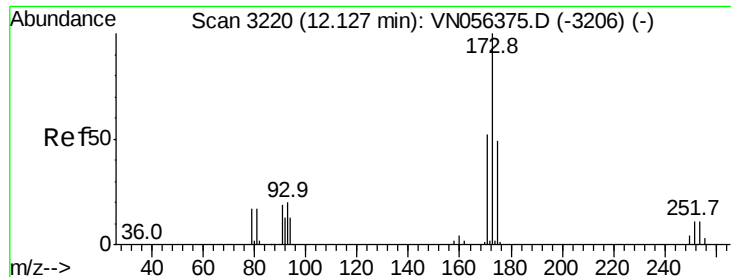
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#70
Styrene
Concen: 54.371 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056470.D
Acq: 25 Jun 2019 8:38

Tgt Ion:104 Resp: 551619
Ion Ratio Lower Upper
104 100
78 47.5 38.6 57.8
103 55.7 43.9 65.9





#71

Bromoform

Concen: 49.755 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN056470.D

Acq: 25 Jun 2019 8:38

Instrument :

MSVOA_N

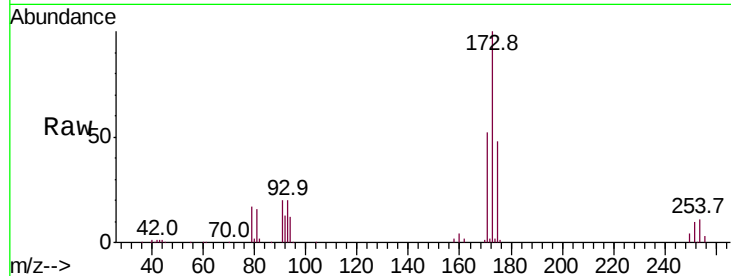
ClientSampleId :

VSTDCCC050

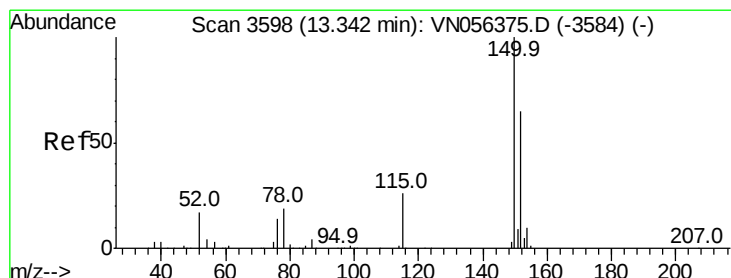
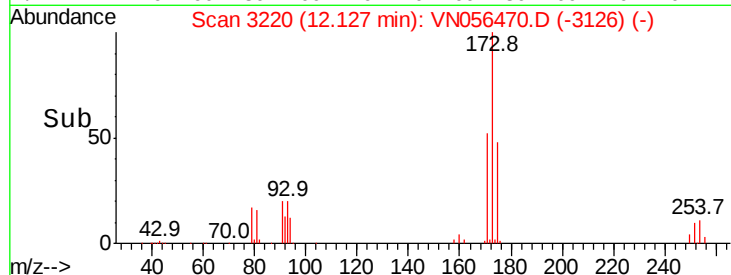
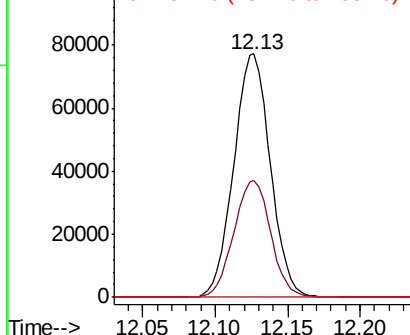
Tot Ion:	173	Resp:	135211
Ion Ratio	Lower	Upper	
173	100		
175	48.4	24.4	73.4
254	0.0	0.0	0.0

Manual Integrations
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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

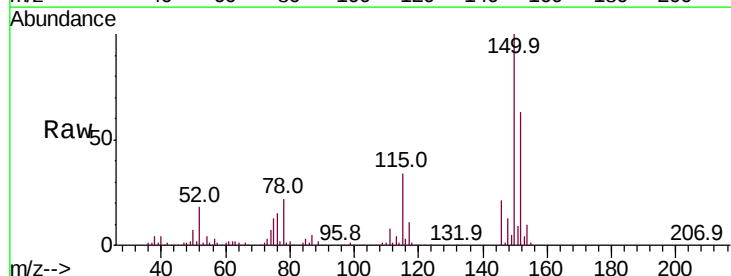
RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

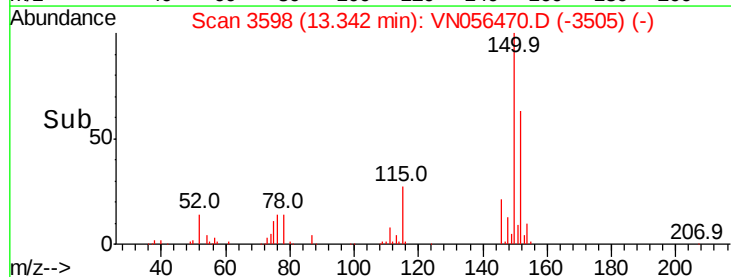
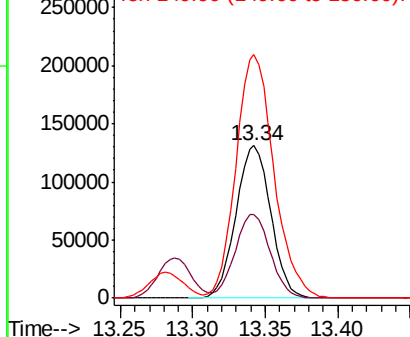
Lab File: VN056470.D

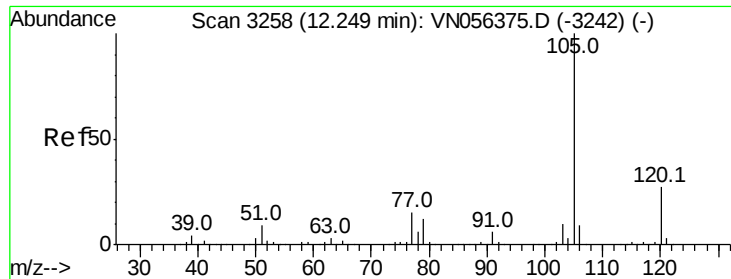
Acq: 25 Jun 2019 8:38

Tgt Ion:	152	Resp:	219030
Ion Ratio	Lower	Upper	
152	100		
115	55.4	28.1	84.4
150	173.9	0.0	348.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





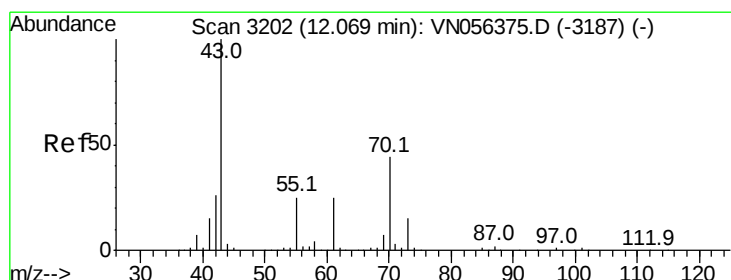
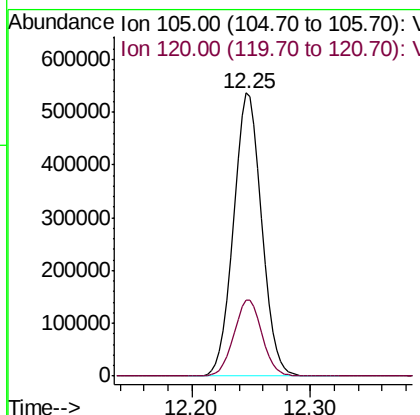
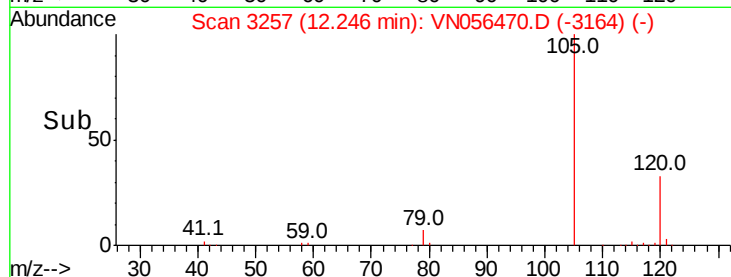
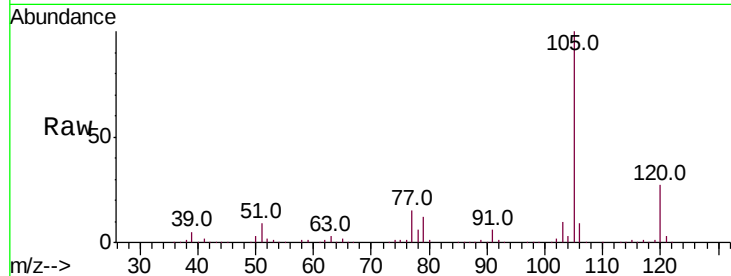
#73
Isopropylbenzene
Concen: 53.512 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. -0.00 min
Lab File: VN056470.D
Acq: 25 Jun 2019 8:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 105 Resp: 877230
Ion Ratio Lower Upper
105 100
120 26.8 13.4 40.2

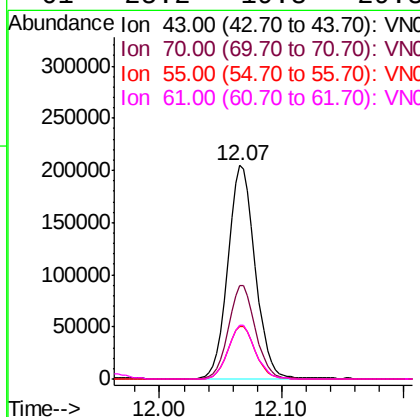
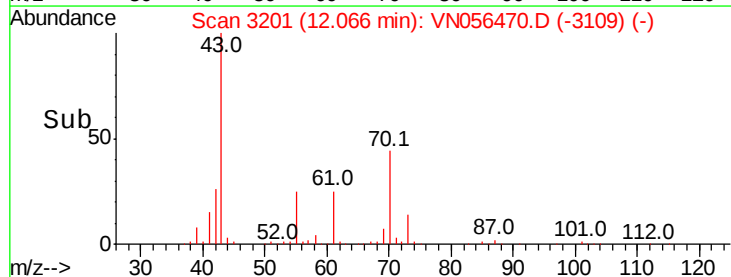
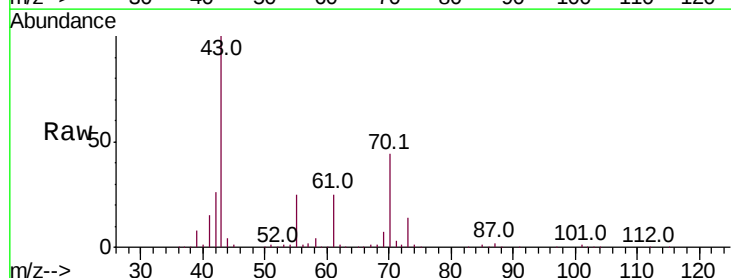
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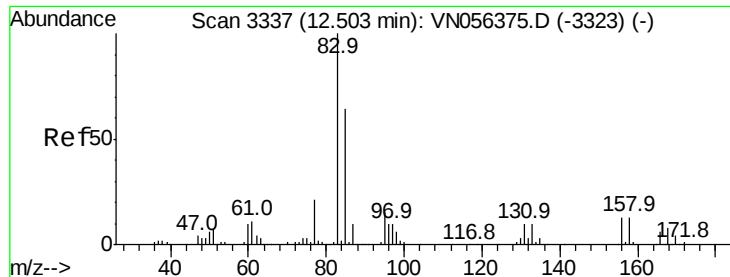
MMDadoda
6/26/2019 9:28:09 AM



#74
N-ethyl acetate
Concen: 45.775 ug/l
RT: 12.07 min Scan# 3201
Delta R.T. -0.00 min
Lab File: VN056470.D
Acq: 25 Jun 2019 8:38

Tgt Ion: 43 Resp: 319087
Ion Ratio Lower Upper
43 100
70 43.6 34.9 52.3
55 25.0 20.4 30.6
61 25.2 19.8 29.8





#75

1,1,2,2-Tetrachloroethane

Concen: 51.742 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056470.D

Acq: 25 Jun 2019 8:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 262978
Ion Ratio Lower Upper

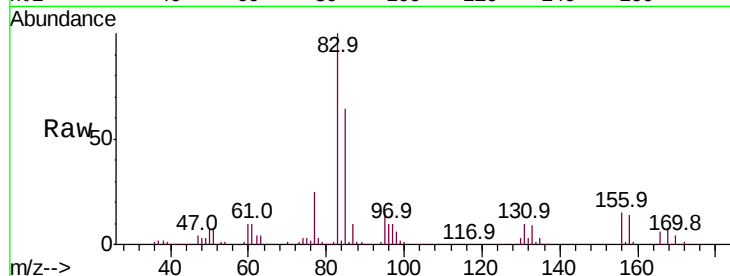
83 100

131 10.3 5.3 15.8

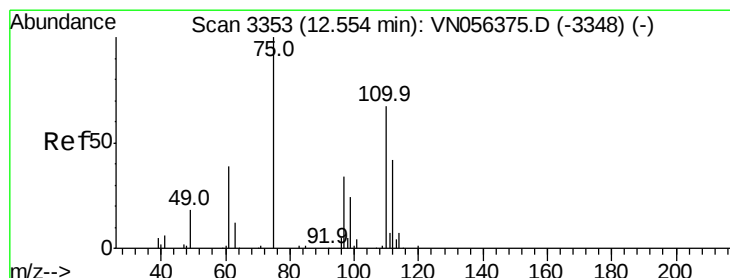
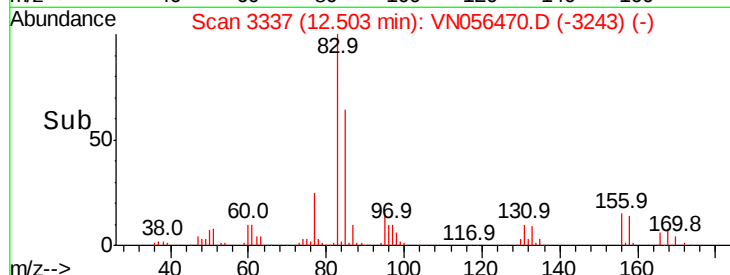
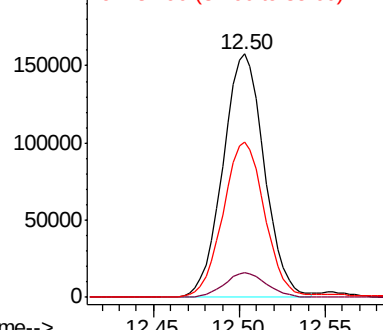
85 64.0 32.4 97.0

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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 49.839 ug/l m

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

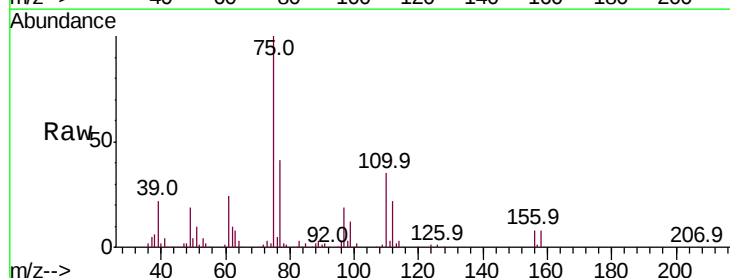
Lab File: VN056470.D

Acq: 25 Jun 2019 8:38

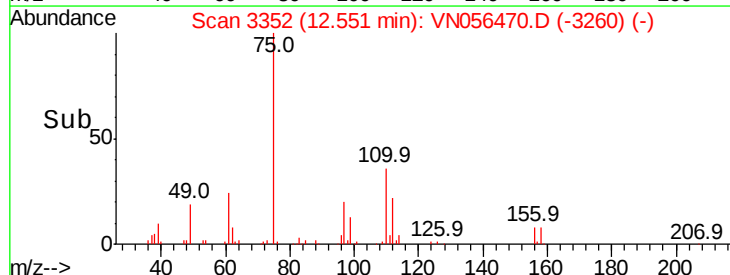
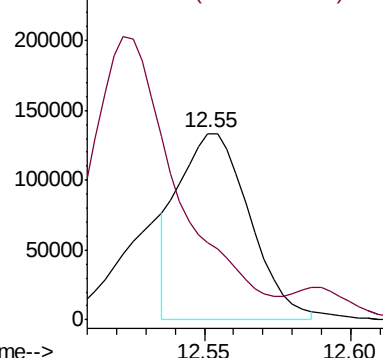
Tgt Ion: 75 Resp: 226351
Ion Ratio Lower Upper

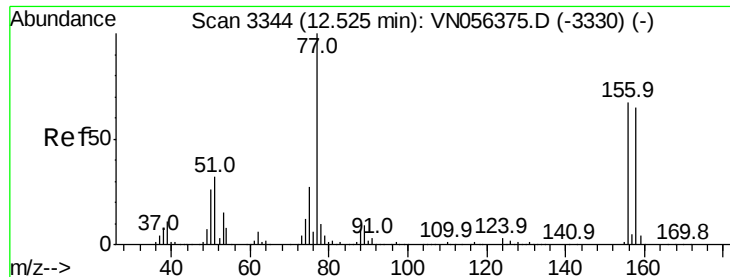
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 46.739 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN056470.D

Acq: 25 Jun 2019 8:38

Instrument :

MSVOA_N

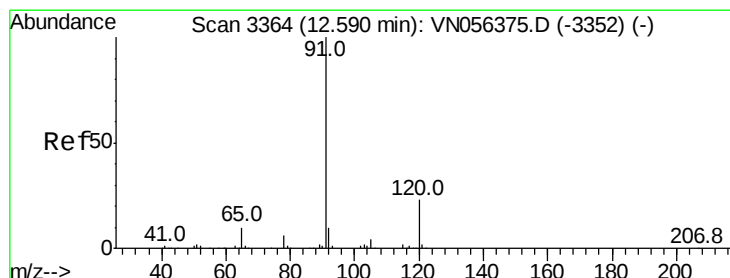
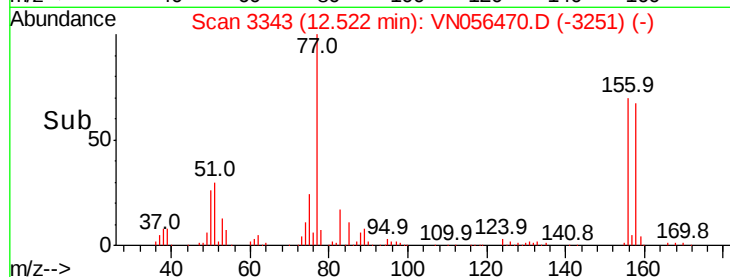
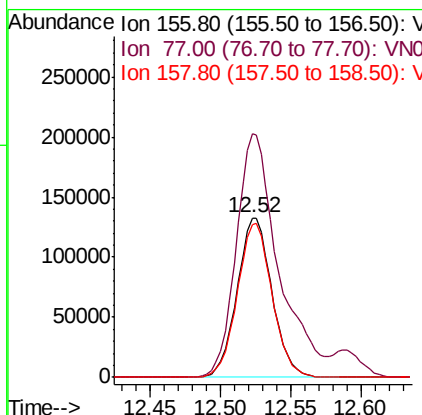
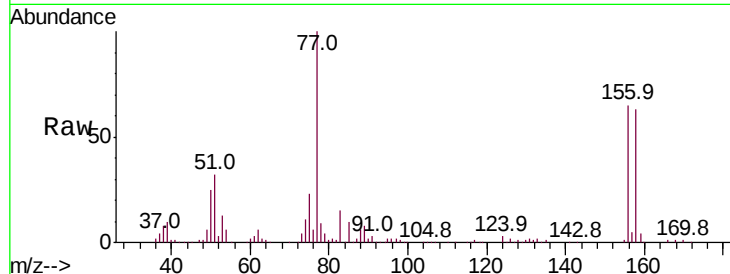
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	228907
Ion Ratio	Lower	Upper	
156	100		
77	185.4	92.5	277.3
158	96.5	48.7	146.1

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#78

n-propylbenzene

Concen: 48.351 ug/l

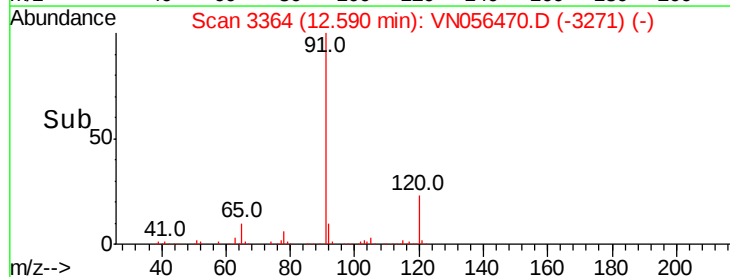
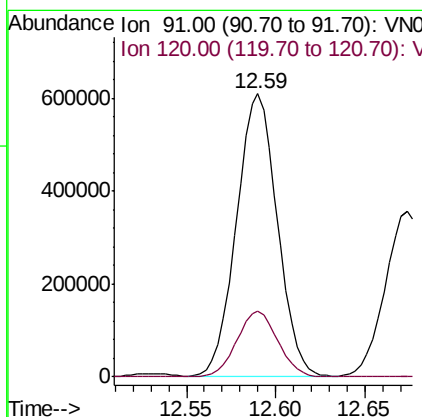
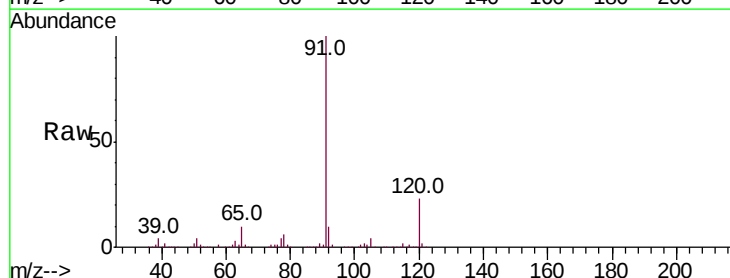
RT: 12.59 min Scan# 3364

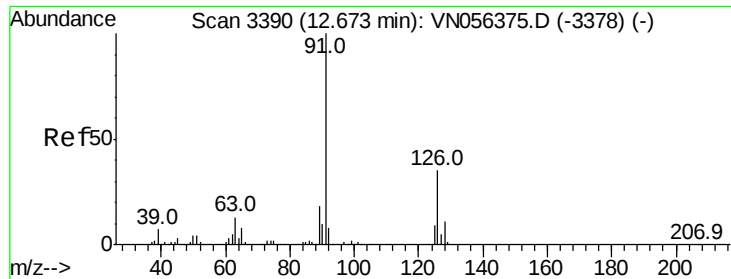
Delta R.T. 0.00 min

Lab File: VN056470.D

Acq: 25 Jun 2019 8:38

Tgt Ion:	91	Resp:	969809
Ion Ratio	Lower	Upper	
91	100		
120	23.5	11.8	35.4





#79

2-Chlorotoluene

Concen: 53.656 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056470.D

Acq: 25 Jun 2019 8:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 588098

Ion Ratio Lower Upper

91 100

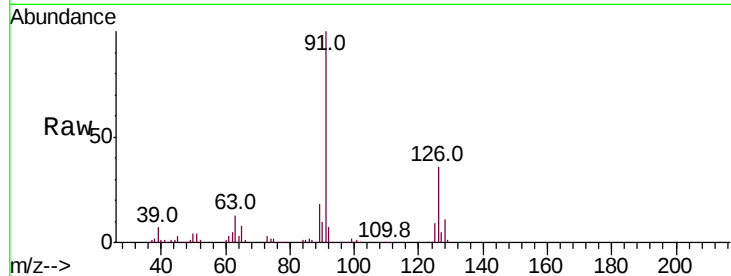
126 35.6 17.6 52.8

Manual Integrations

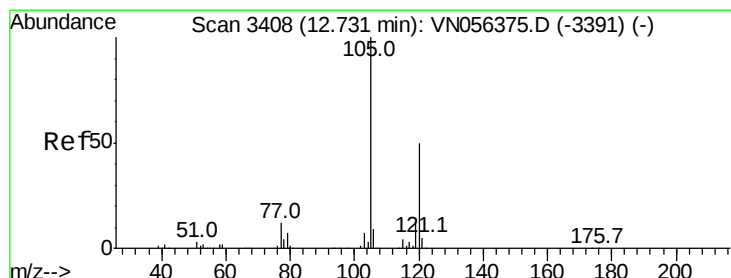
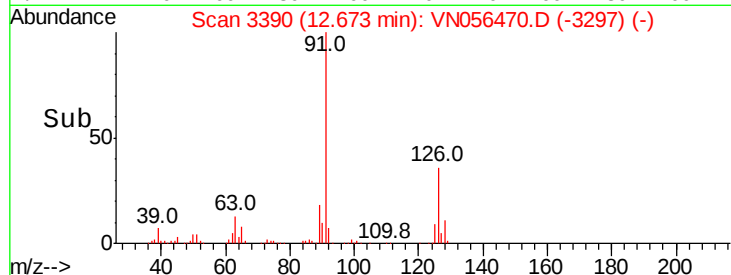
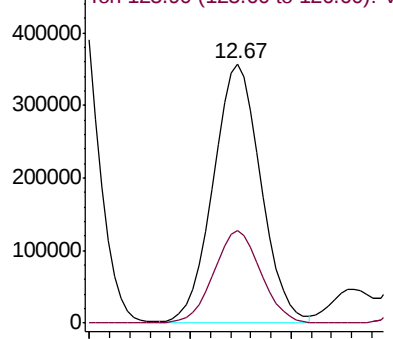
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Abundance Ion 91.00 (90.70 to 91.70): VN056470.D (-3390) (-)



#80

1,3,5-Trimethylbenzene

Concen: 53.279 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056470.D

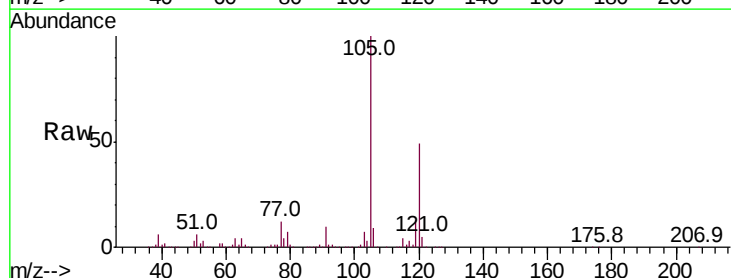
Acq: 25 Jun 2019 8:38

Tgt Ion: 105 Resp: 732385

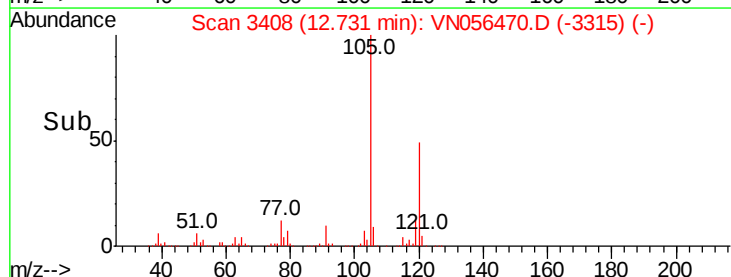
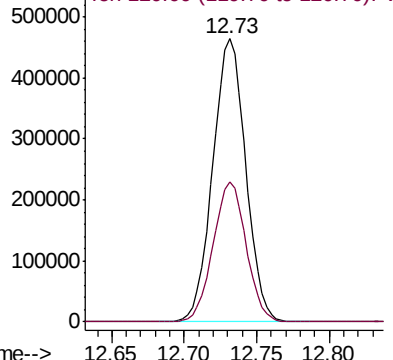
Ion Ratio Lower Upper

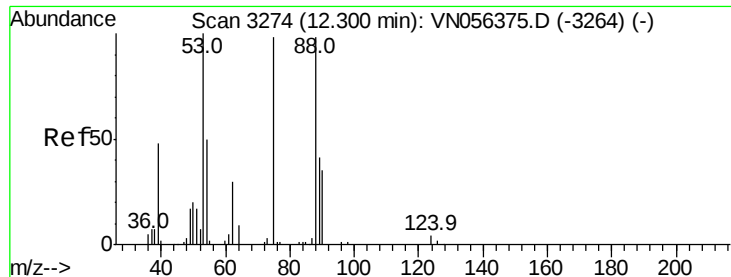
105 100

120 49.8 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): VN056470.D (-3408) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 54.856 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN056470.D

Acq: 25 Jun 2019 8:38

Instrument :

MSVOA_N

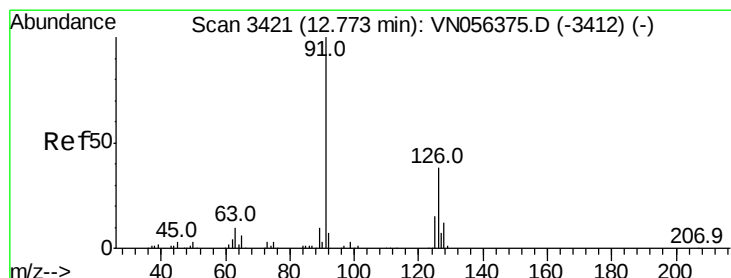
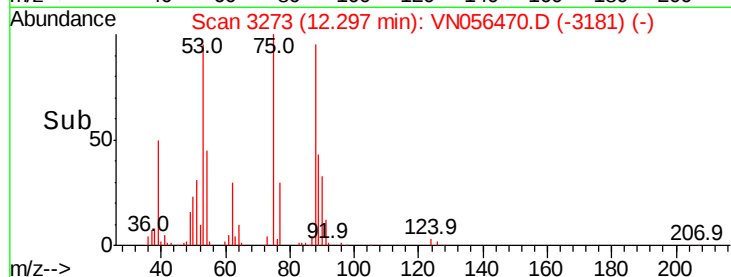
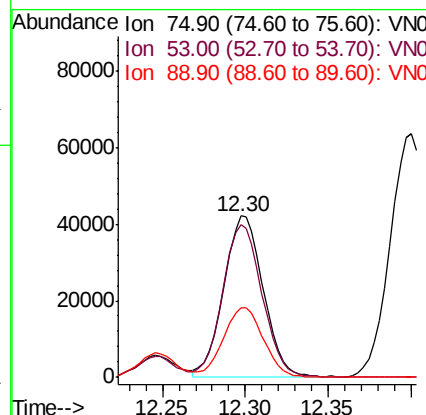
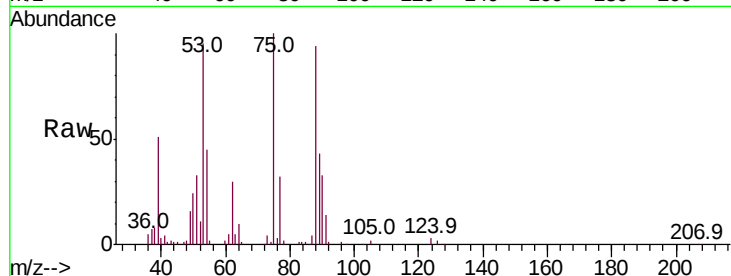
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	70097
Ion	Ratio	Lower	Upper
75	100		
53	94.9	83.9	125.9
89	43.9	35.0	52.6

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#82

4-Chlorotoluene

Concen: 48.830 ug/l

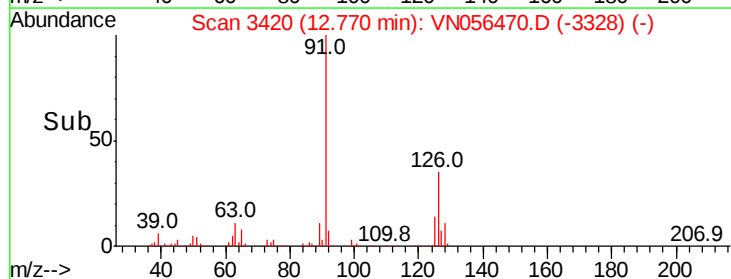
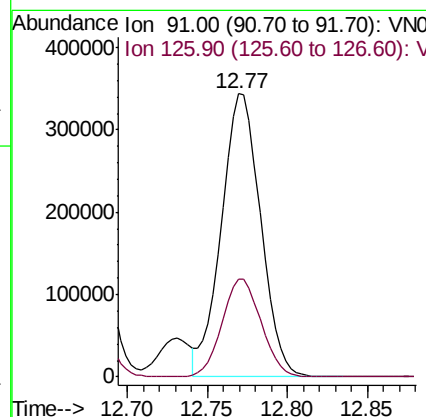
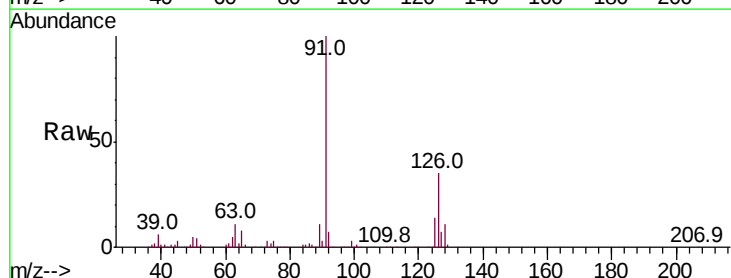
RT: 12.77 min Scan# 3420

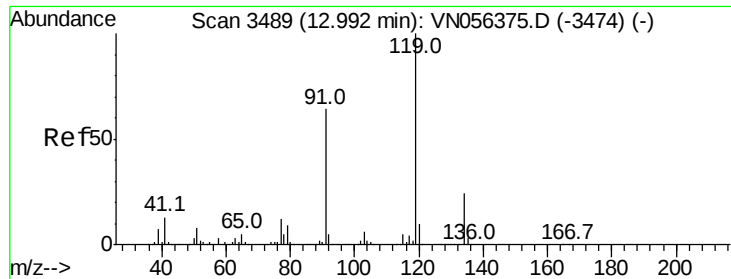
Delta R.T. -0.00 min

Lab File: VN056470.D

Acq: 25 Jun 2019 8:38

Tgt Ion:	91	Resp:	578294
Ion	Ratio	Lower	Upper
91	100		
126	34.5	17.3	52.0





#83

tert-Butylbenzene

Concen: 53.862 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN056470.D

Acq: 25 Jun 2019 8:38

Instrument :

MSVOA_N

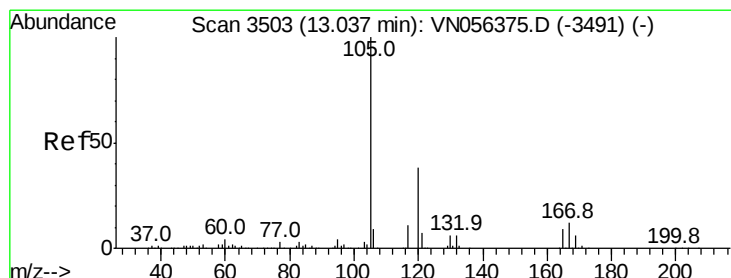
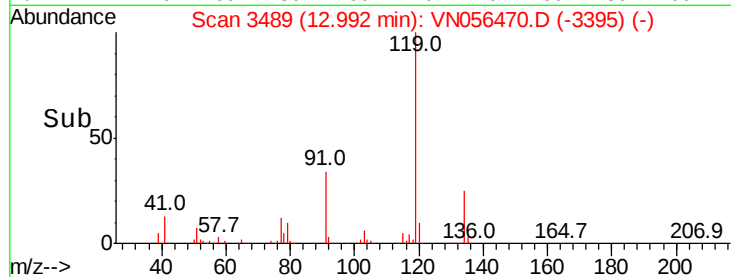
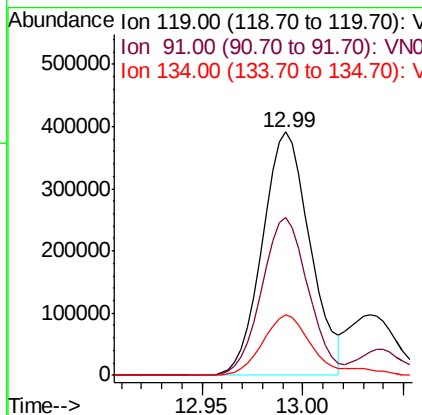
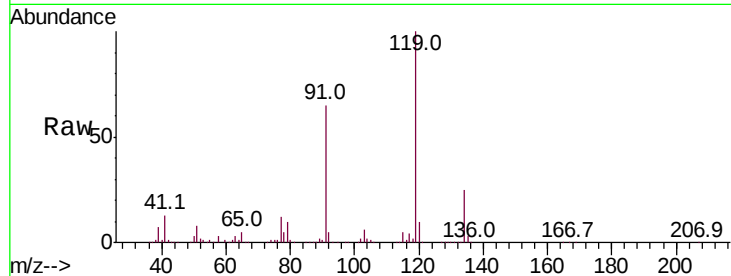
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	644395
Ion Ratio	Lower	Upper	
119	100		
91	63.3	31.6	94.7
134	26.6	13.2	39.5

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#84

1,2,4-Trimethylbenzene

Concen: 48.418 ug/l

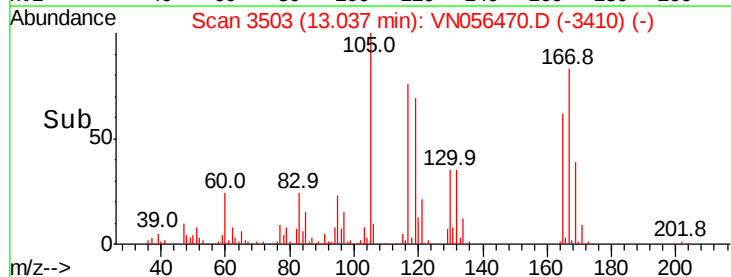
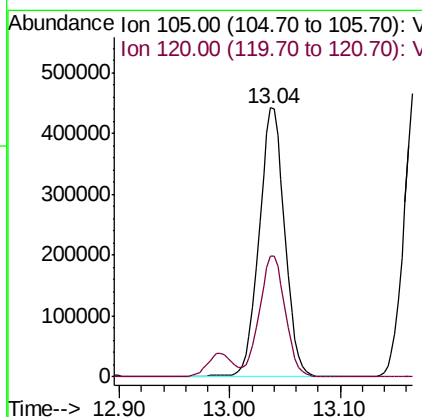
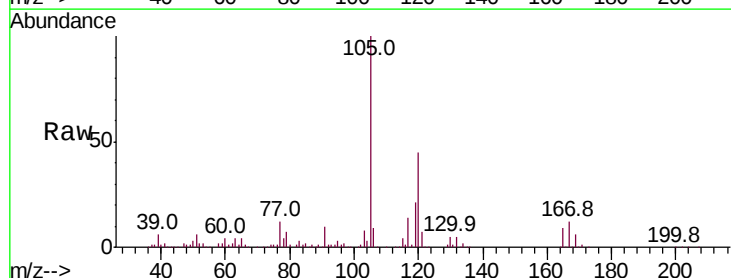
RT: 13.04 min Scan# 3503

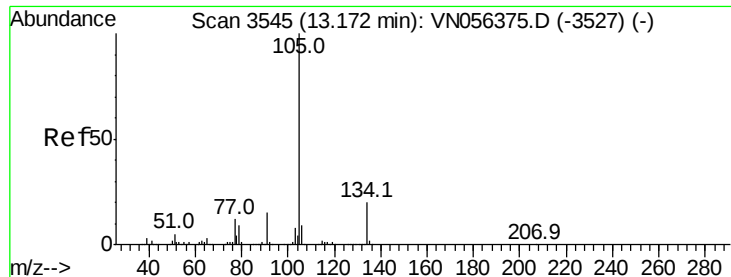
Delta R.T. 0.00 min

Lab File: VN056470.D

Acq: 25 Jun 2019 8:38

Tgt Ion:	105	Resp:	713924
Ion Ratio	Lower	Upper	
105	100		
120	45.1	22.9	68.8





#85

sec-Butylbenzene

Concen: 48.152 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056470.D

Acq: 25 Jun 2019 8:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 848911

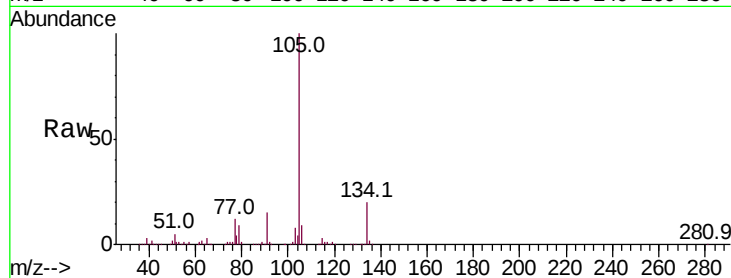
Ion Ratio Lower Upper

105 100

134 20.2 10.2 30.4

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

600000

500000

400000

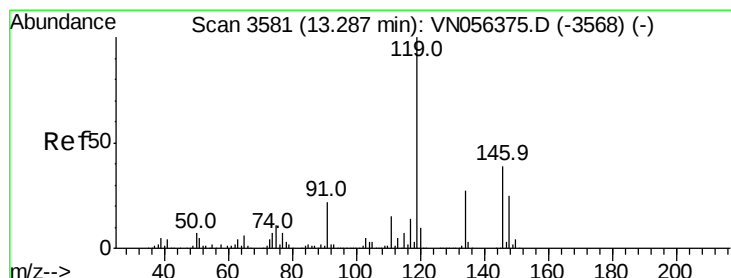
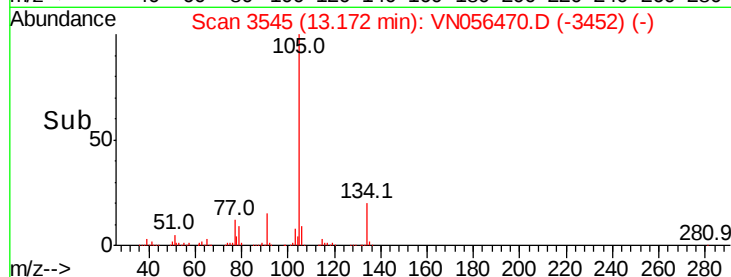
300000

200000

100000

0

Time--> 13.10 13.15 13.20 13.25



#86

p-Isopropyltoluene

Concen: 49.482 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056470.D

Acq: 25 Jun 2019 8:38

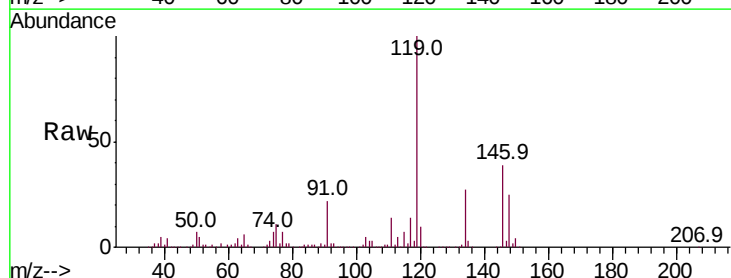
Tgt Ion:119 Resp: 748657

Ion Ratio Lower Upper

119 100

134 27.3 13.5 40.4

91 22.1 11.2 33.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

600000

500000

400000

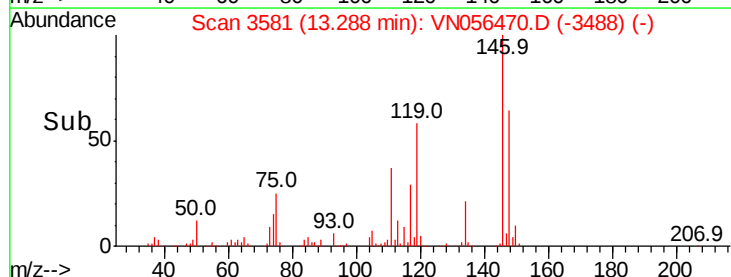
300000

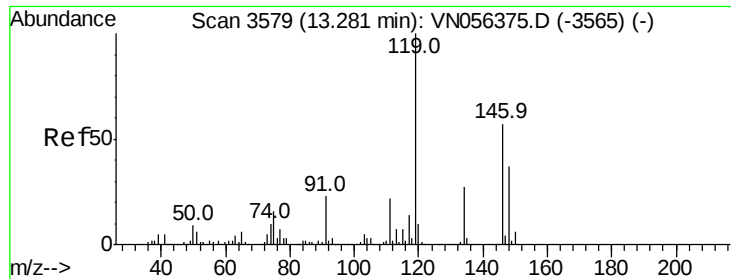
200000

100000

0

Time--> 13.20 13.25 13.30 13.35





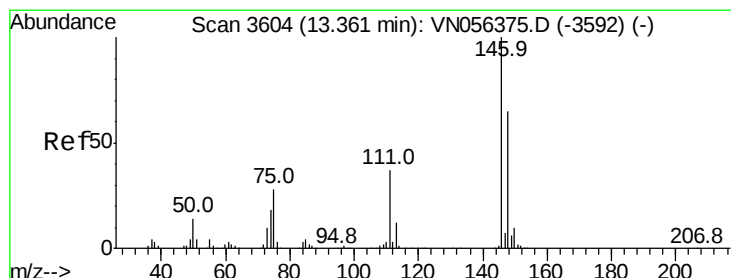
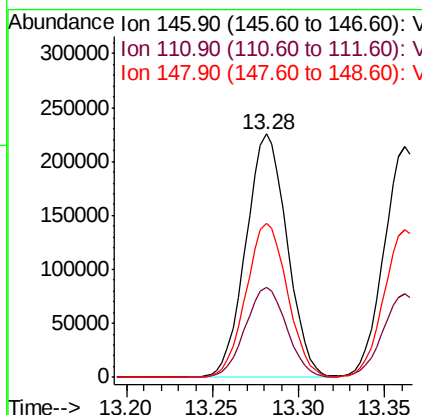
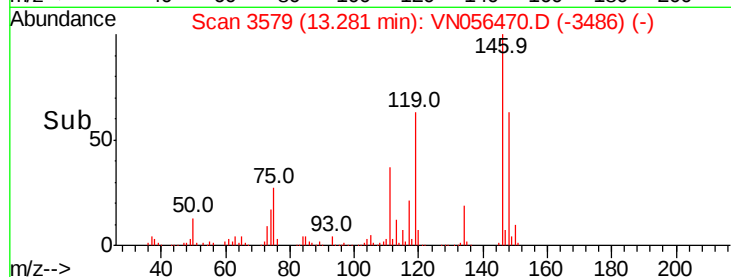
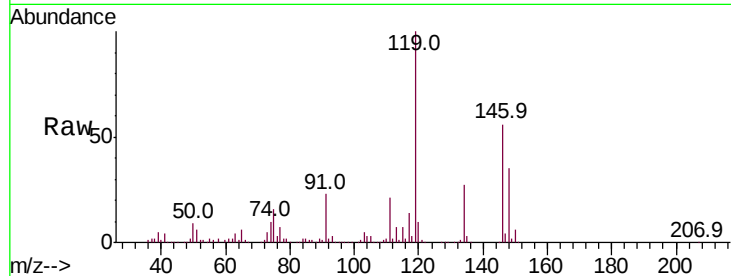
#87
 1,3-Dichlorobenzene
 Concen: 50.543 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056470.D
 Acq: 25 Jun 2019 8:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	375126		
111	37.0	18.9	56.9	
148	63.5	32.1	96.5	

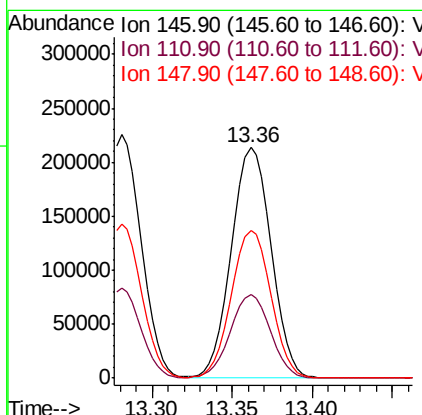
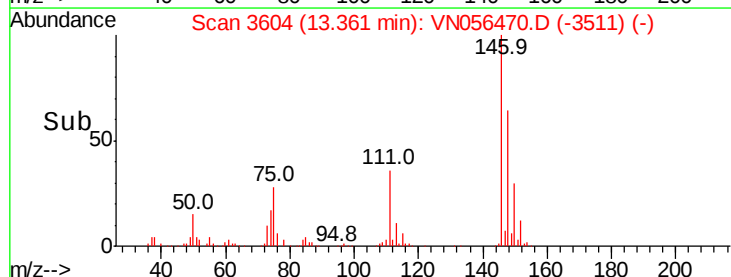
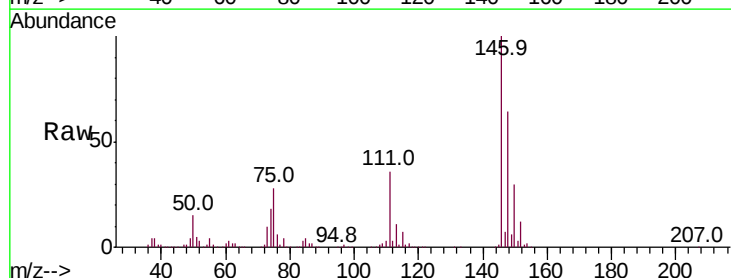
Manual Integrations
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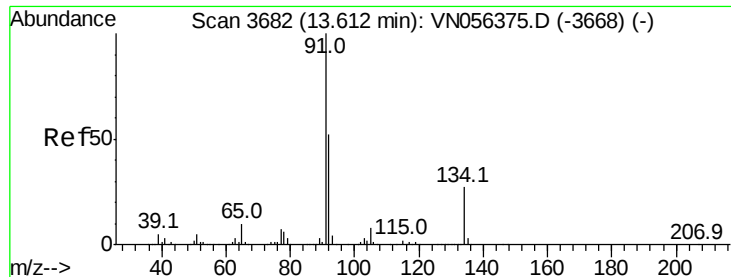
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 50.445 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056470.D
 Acq: 25 Jun 2019 8:38

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	362598		
111	36.5	18.4	55.4	
148	63.7	32.4	97.0	





#89

n-Butylbenzene

Concen: 50.366 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN056470.D

Acq: 25 Jun 2019 8:38

Instrument :

MSVOA_N

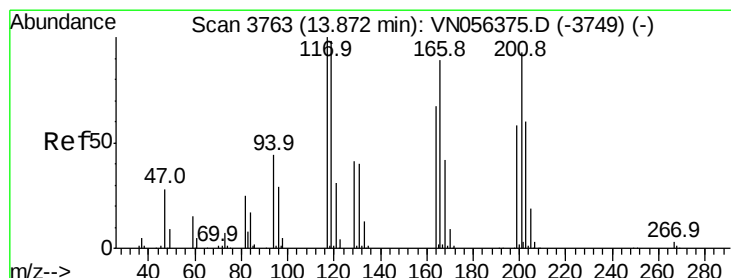
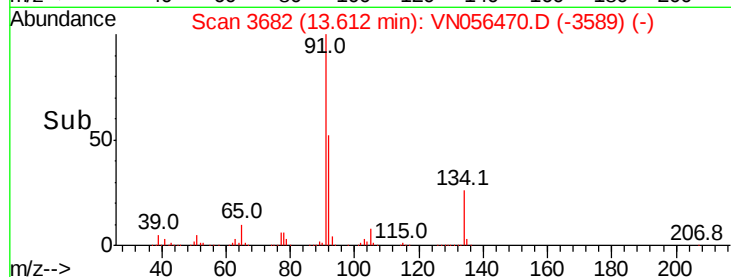
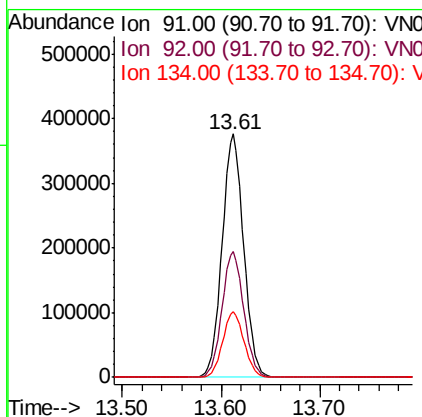
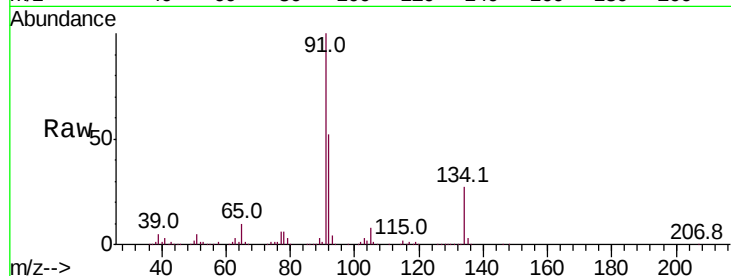
ClientSampleId :

VSTDCCC050

Tot Ion:	91	Resp:	576874
Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.2	78.5
134	26.7	13.4	40.2

Manual Integrations
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#90

Hexachloroethane

Concen: 51.021 ug/l

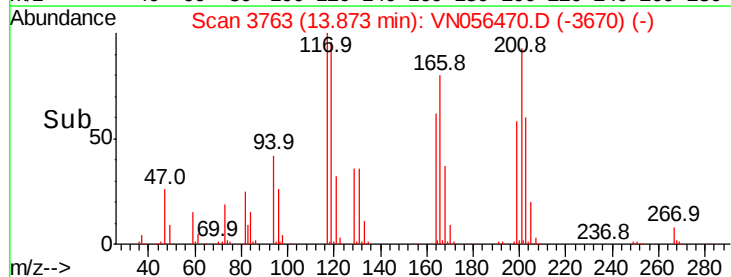
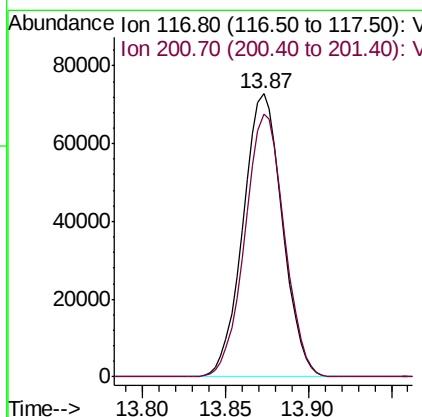
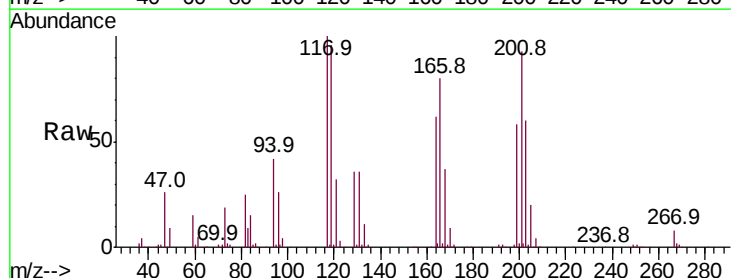
RT: 13.87 min Scan# 3763

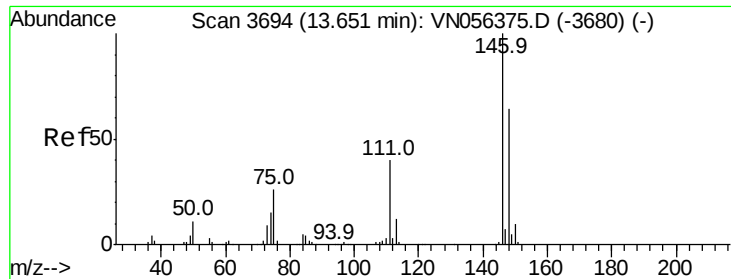
Delta R.T. 0.00 min

Lab File: VN056470.D

Acq: 25 Jun 2019 8:38

Tgt Ion:	117	Resp:	120350
Ion	Ratio	Lower	Upper
117	100		
201	92.7	45.9	137.6





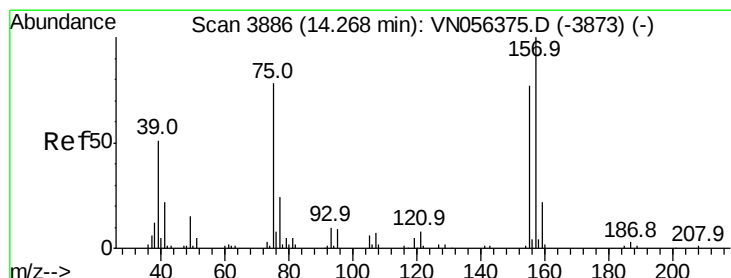
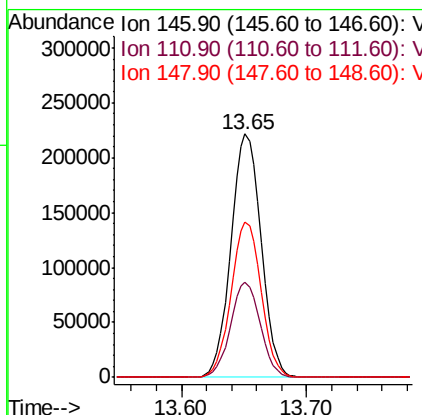
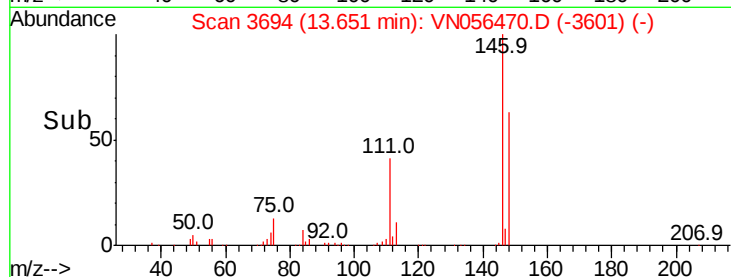
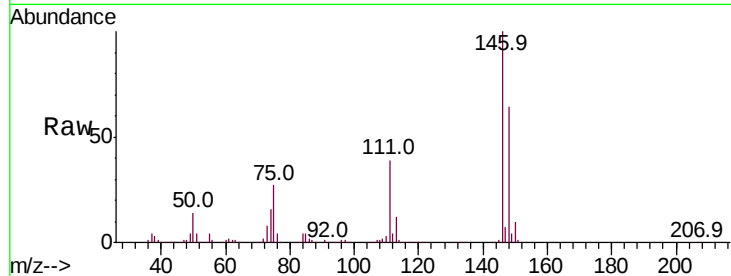
#91
 1,2-Dichlorobenzene
 Concen: 50.299 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN056470.D
 Acq: 25 Jun 2019 8:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.3	57.9
148	63.4	32.0	96.0

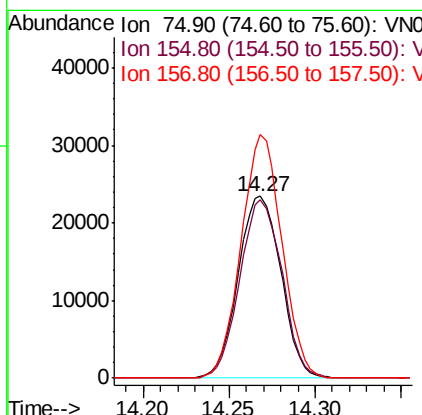
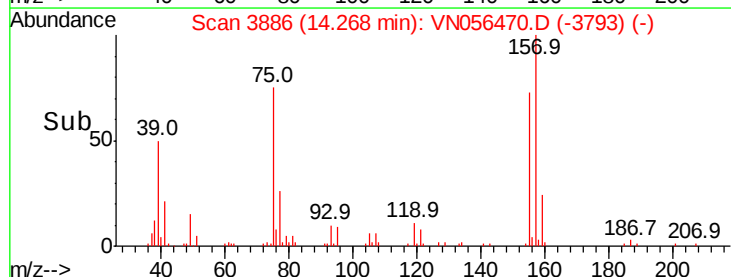
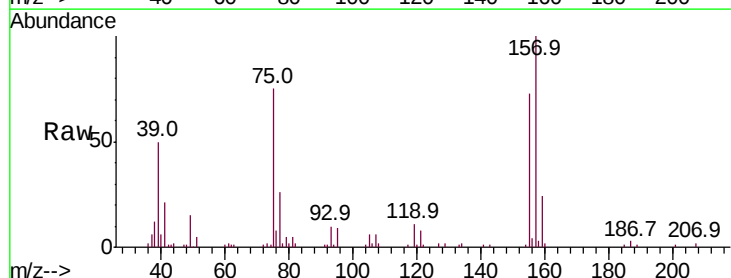
Manual Integrations
 APPROVED

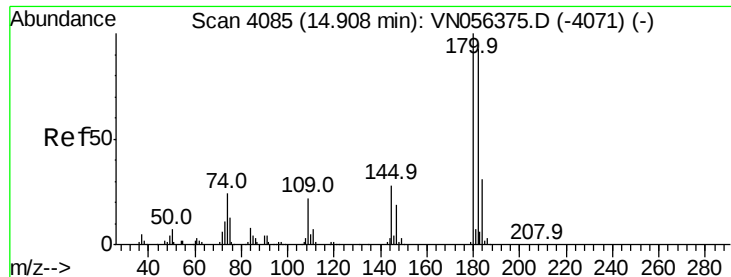
MMDadoda
 6/26/2019 9:28:09 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.924 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056470.D
 Acq: 25 Jun 2019 8:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.5	48.9	146.8
157	127.6	62.9	188.8





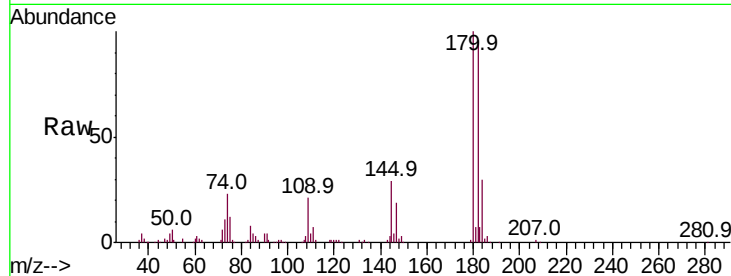
#93
 1,2,4-Trichlorobenzene
 Concen: 43.834 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056470.D
 Acq: 25 Jun 2019 8:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	165102		
182	94.1	46.9	140.6	
145	28.2	14.4	43.0	

Manual Integrations
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MMDadoda
 6/26/2019 9:28:09 AM

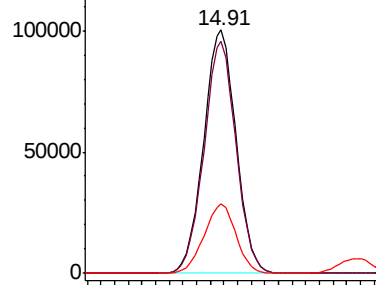


Abundance

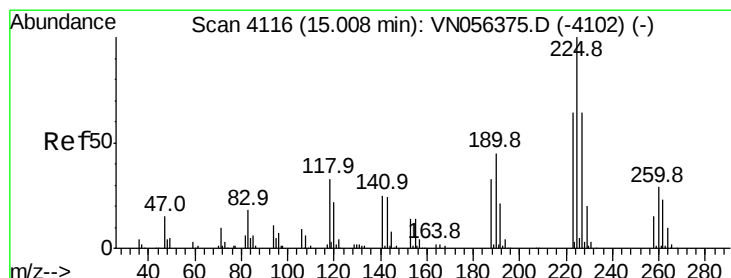
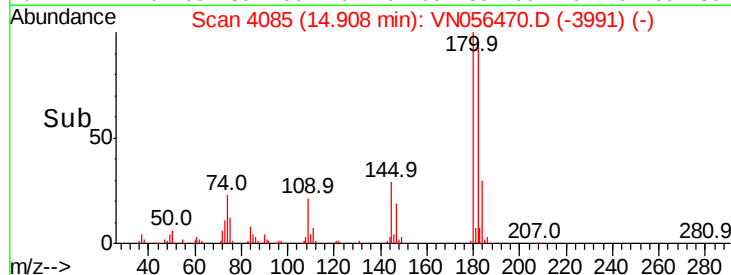
Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

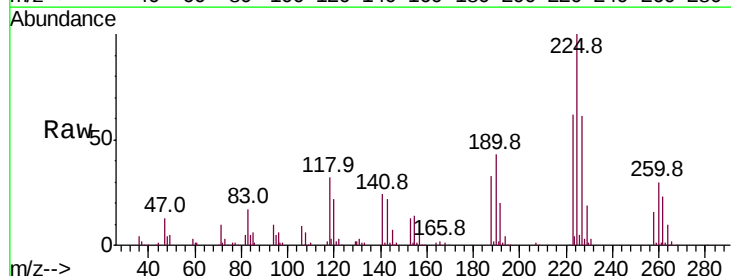


Time-->



#94
 Hexachlorobutadiene
 Concen: 56.396 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056470.D
 Acq: 25 Jun 2019 8:38

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	140135		
223	62.7	31.4	94.3	
227	62.4	32.1	96.3	

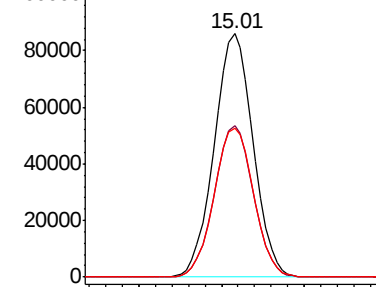


Abundance

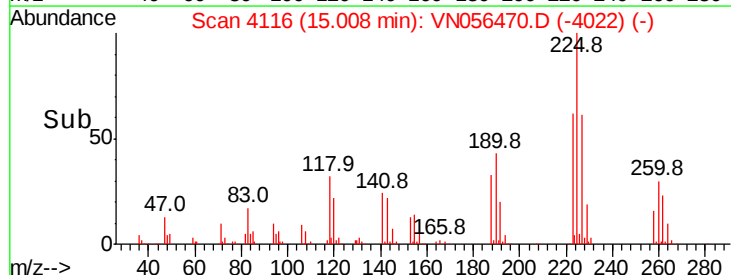
Ion 224.70 (224.40 to 225.40): V

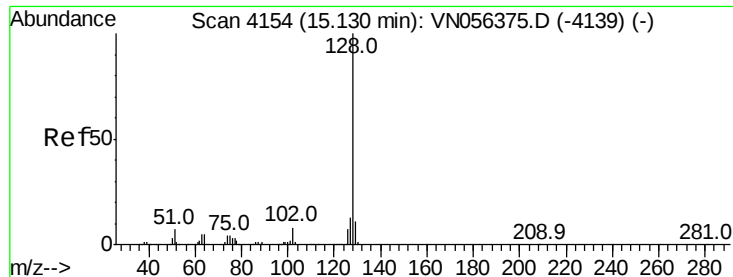
Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



Time-->





#95

Naphthalene

Concen: 42.236 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056470.D

Acq: 25 Jun 2019 8:38

Instrument :

MSVOA_N

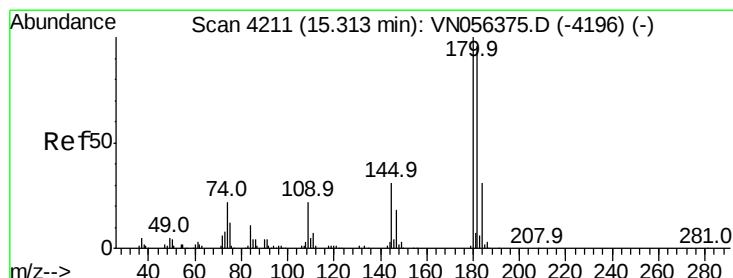
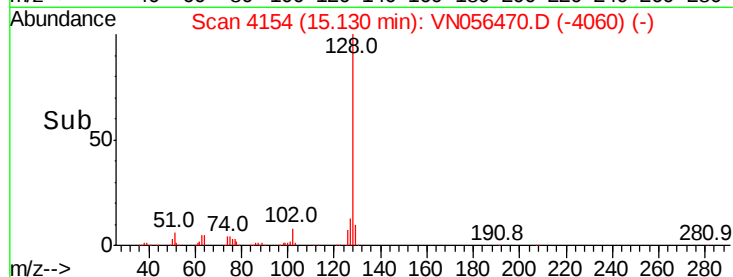
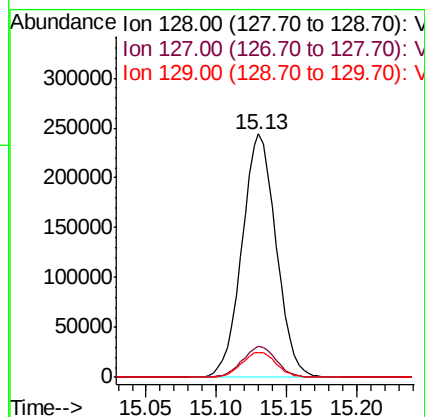
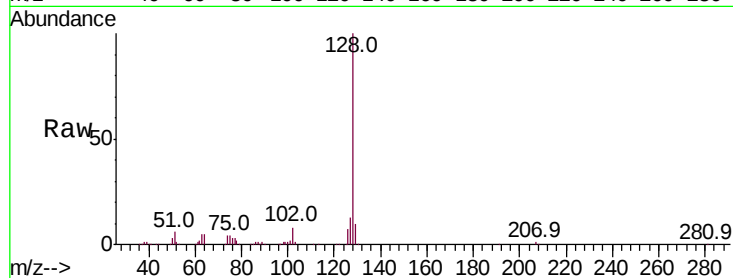
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	414167
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.2	15.2
129	10.5	8.6	12.8

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#96

1,2,3-Trichlorobenzene

Concen: 44.779 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN056470.D

Acq: 25 Jun 2019 8:38

Tgt Ion:	180	Resp:	175882
Ion Ratio	Lower	Upper	
180	100		
182	95.4	48.3	144.8
145	30.5	15.4	46.1

