

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062519\
 Data File : VN056493.D
 Acq On : 25 Jun 2019 17:44
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/26/2019 9:28:42 AM

Quant Time: Jun 26 05:10:09 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	7.67	168	364316	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	566554	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	501812	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	209597	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	195462	48.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.82%	
35) Dibromofluoromethane	7.59	113	173746	49.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.32%	
50) Toluene-d8	10.09	98	648106	47.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.26%	
62) 4-Bromofluorobenzene	12.40	95	221902	48.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	136735	44.325	ug/l	99
3) Chloromethane	2.06	50	177001	42.140	ug/l	99
4) Vinyl Chloride	2.18	62	183085	45.129	ug/l	99
5) Bromomethane	2.52	94	111199m	46.755	ug/l	
6) Chloroethane	2.68	64	105679	44.982	ug/l	98
7) Trichlorofluoromethane	3.00	101	241860	46.088	ug/l	99
8) Diethyl Ether	3.41	74	104397	47.005	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	154701	46.226	ug/l	99
10) Methyl Iodide	3.95	142	211653	46.793	ug/l	99
11) Tert butyl alcohol	4.80	59	182155	267.851	ug/l	100
12) 1,1-Dichloroethene	3.73	96	150253	46.687	ug/l	97
13) Acrolein	3.61	56	112366	196.044	ug/l	99
14) Allyl chloride	4.32	41	263454	49.176	ug/l	99
15) Acrylonitrile	4.99	53	475185	252.572	ug/l	99
16) Acetone	3.82	43	417756	206.506	ug/l	98
17) Carbon Disulfide	4.05	76	307494	42.007	ug/l	99
18) Methyl Acetate	4.33	43	202680	51.174	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	532043	49.961	ug/l	97
20) Methylene Chloride	4.55	84	181925	47.663	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	158387	45.647	ug/l	98
22) Diisopropyl ether	5.95	45	554439	49.279	ug/l	97
23) Vinyl Acetate	5.90	43	2347671	264.554	ug/l	99
24) 1,1-Dichloroethane	5.85	63	312293	48.354	ug/l	99
25) 2-Butanone	6.84	43	644150	240.587	ug/l	99
26) 2,2-Dichloropropane	6.82	77	224544	49.989	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	198619	48.927	ug/l	100
28) Bromochloromethane	7.19	49	157321	49.247	ug/l	99
29) Tetrahydrofuran	7.21	42	417947	255.441	ug/l	100
30) Chloroform	7.37	83	313742	49.230	ug/l	99
31) Cyclohexane	7.65	56	269960	43.297	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	253297	50.143	ug/l	99
36) 1,1-Dichloropropene	7.79	75	221316	44.381	ug/l	98
37) Ethyl Acetate	6.93	43	253709	51.771	ug/l	99
38) Carbon Tetrachloride	7.77	117	210635	48.302	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	270480	43.958	ug/l	100
40) Benzene	8.04	78	716299	46.698	ug/l	99
41) Methacrylonitrile	7.18	41	112471	51.974	ug/l	92
42) 1,2-Dichloroethane	8.12	62	234663	46.356	ug/l	99
43) Isopropyl Acetate	8.17	43	408666	54.080	ug/l	99
44) Trichloroethene	8.83	130	192226	46.522	ug/l	99
45) 1,2-Dichloropropane	9.12	63	198064	48.282	ug/l	99
46) Dibromomethane	9.21	93	125930	49.067	ug/l	100
47) Bromodichloromethane	9.40	83	233267	51.246	ug/l	98
48) Methyl methacrylate	9.20	41	186262	49.187	ug/l	100
49) 1,4-Dioxane	9.20	88	79081	1006.324	ug/l	93
51) 4-Methyl-2-Pentanone	9.99	43	1232700	252.741	ug/l	100
52) Toluene	10.16	92	440804	47.004	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	250135	47.344	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	289968	52.899	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	186015	49.347	ug/l	99
56) Ethyl methacrylate	10.43	69	285883	51.895	ug/l	99
57) 1,3-Dichloropropane	10.71	76	309461	48.868	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	443044	223.863	ug/l	100
59) 2-Hexanone	10.75	43	863036	240.757	ug/l	99
60) Dibromochloromethane	10.90	129	183222	47.417	ug/l	100
61) 1,2-Dibromoethane	11.01	107	190867	49.576	ug/l	99
64) Tetrachloroethene	10.63	164	180369	45.388	ug/l	98
65) Chlorobenzene	11.43	112	480747	47.678	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	176586	51.817	ug/l	99
67) Ethyl Benzene	11.51	91	836266	47.234	ug/l	99
68) m/p-Xylenes	11.62	106	619253	95.440	ug/l	99
69) o-Xylene	11.95	106	306915	47.812	ug/l	99
70) Styrene	11.96	104	517441	50.430	ug/l	100
71) Bromoform	12.13	173	129551	47.303	ug/l #	99
73) Isopropylbenzene	12.25	105	820993	52.272	ug/l	99
74) N-amyl acetate	12.07	43	318924	47.810	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	260658	53.711	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	228703m	52.623	ug/l	
77) Bromobenzene	12.53	156	212821	45.411	ug/l	98
78) n-propylbenzene	12.59	91	878202	45.754	ug/l	100
79) 2-Chlorotoluene	12.67	91	542760	51.653	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	669490	50.790	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	66618	54.480	ug/l	94
82) 4-Chlorotoluene	12.77	91	518465	45.748	ug/l	99
83) tert-Butylbenzene	12.99	119	595318	51.898	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	649662	46.043	ug/l	100
85) sec-Butylbenzene	13.17	105	769904	45.636	ug/l	100
86) p-Isopropyltoluene	13.29	119	671326	46.368	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	334711	47.127	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	319480	46.446	ug/l	100
89) n-Butylbenzene	13.61	91	497957	45.432	ug/l	100
90) Hexachloroethane	13.87	117	113459	50.265	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	336918	47.813	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	39991	51.566	ug/l	100

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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)
93) 1,2,4-Trichlorobenzene	14.91	180	143985	40.446	ug/l	99
94) Hexachlorobutadiene	15.01	225	116789	48.864	ug/l	99
95) Naphthalene	15.13	128	401520	42.720	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	158306	42.384	ug/l	100

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

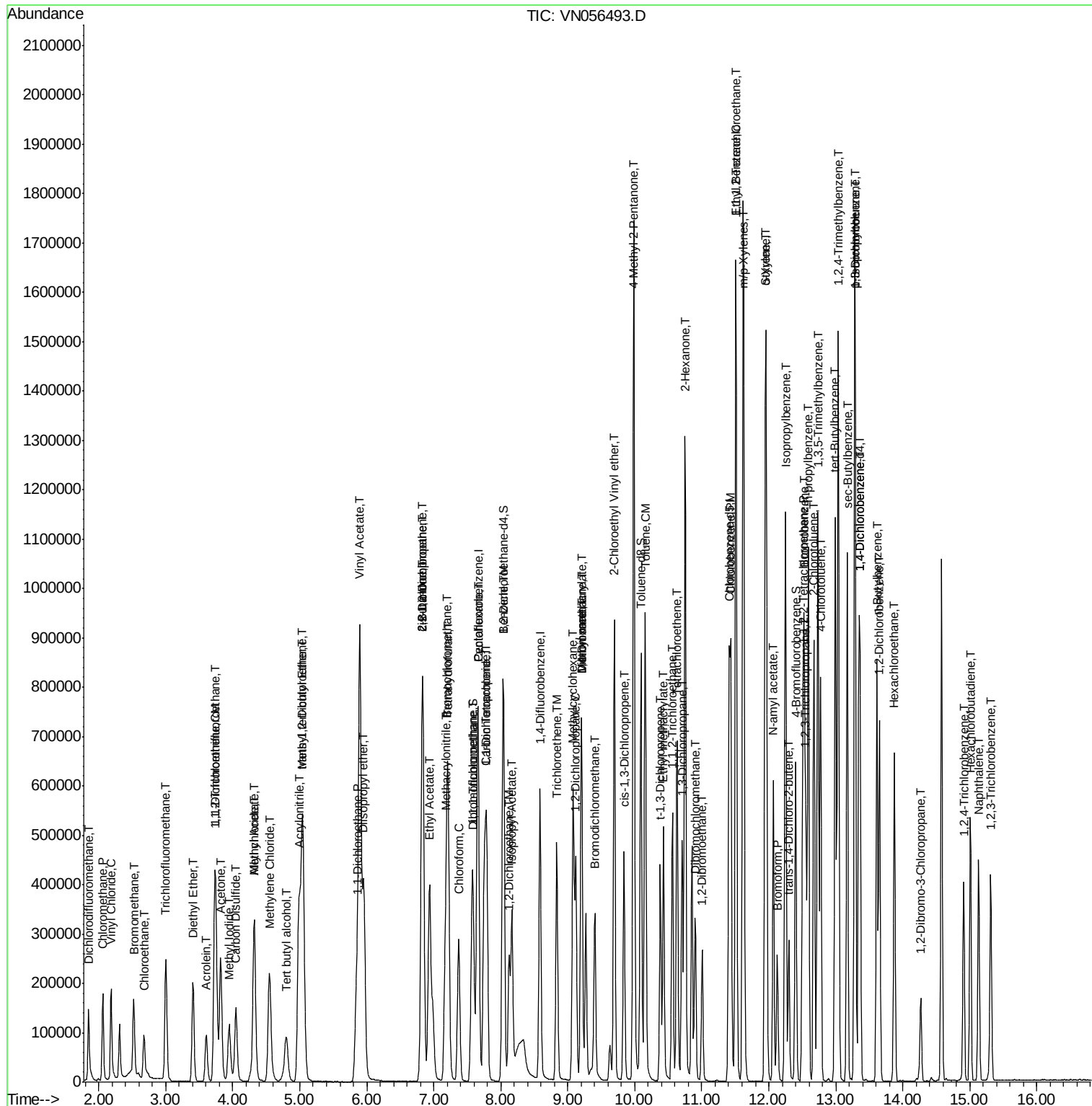
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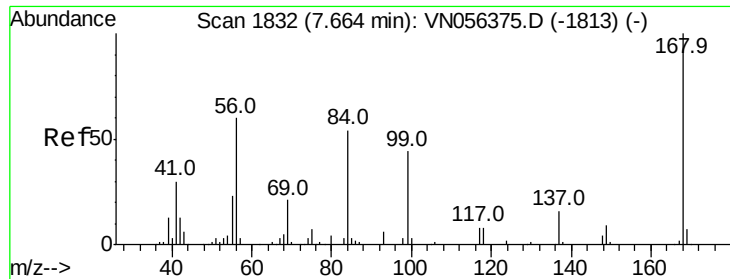
Instrument :
 MSVOA_N
 Client Sample Id :
 VSTDCCC050EC

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN056493.D

Acq: 25 Jun 2019 17:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 364316

Ion Ratio Lower Upper

168 100

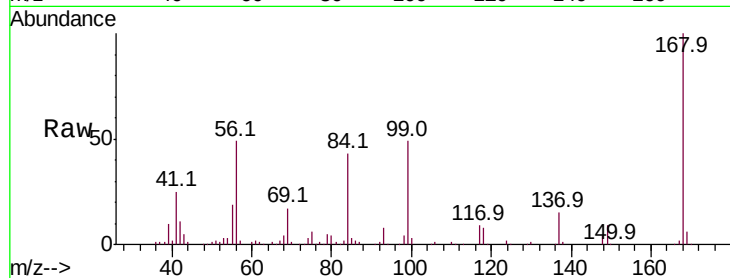
99 48.2 40.6 61.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

150000

100000

50000

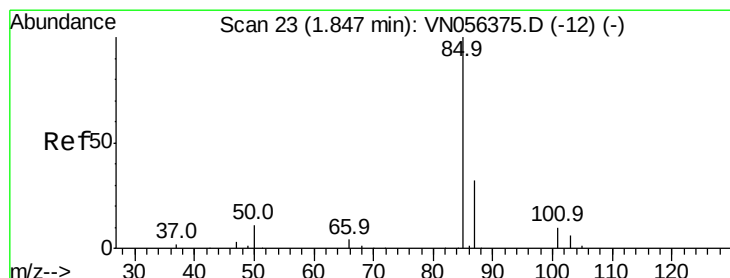
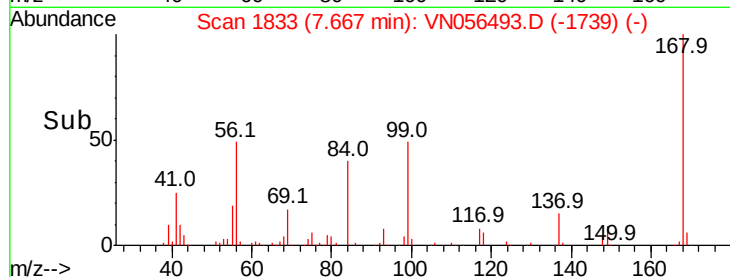
0

7.67

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 44.325 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056493.D

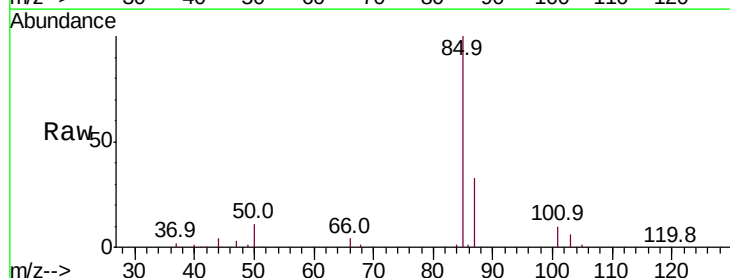
Acq: 25 Jun 2019 17:44

Tgt Ion: 85 Resp: 136735

Ion Ratio Lower Upper

85 100

87 32.8 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

80000

60000

40000

20000

0

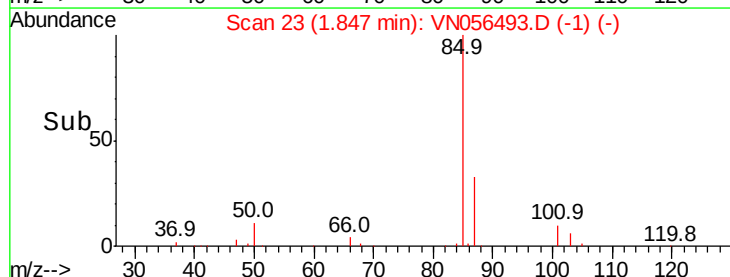
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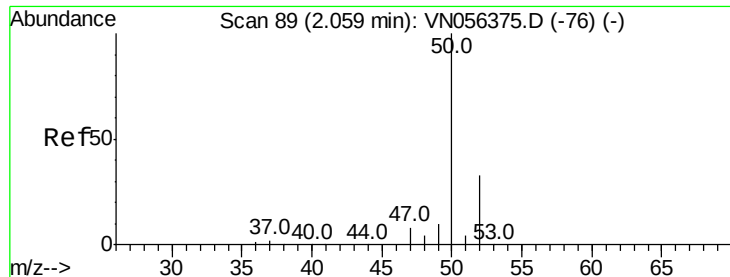
1.80

1.90

2.00

Time-->





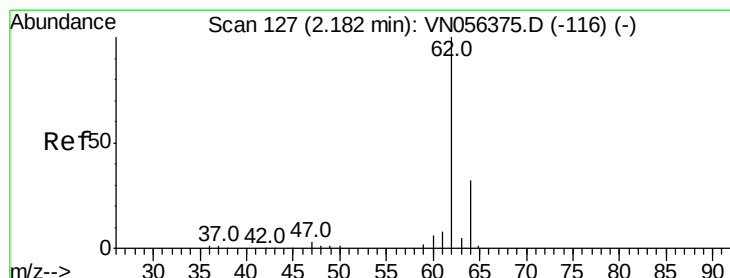
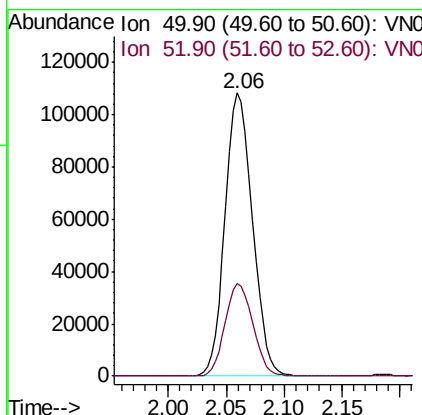
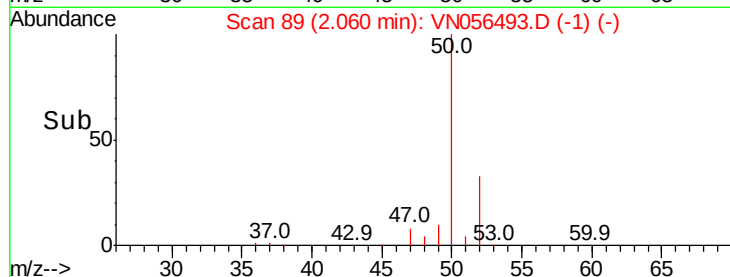
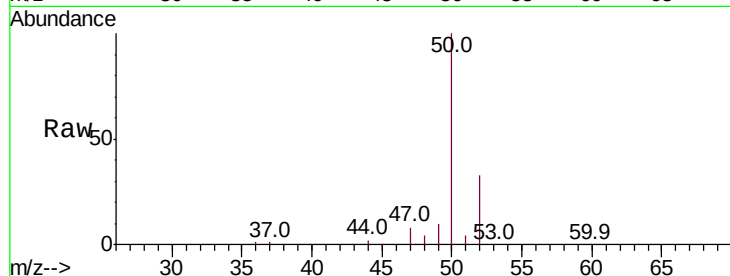
#3
Chloromethane
Concen: 42.140 ug/l
RT: 2.06 min Scan# 89
Delta R.T. 0.00 min
Lab File: VN056493.D
Acq: 25 Jun 2019 17:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
50	100		
52	32.7	26.5	39.7

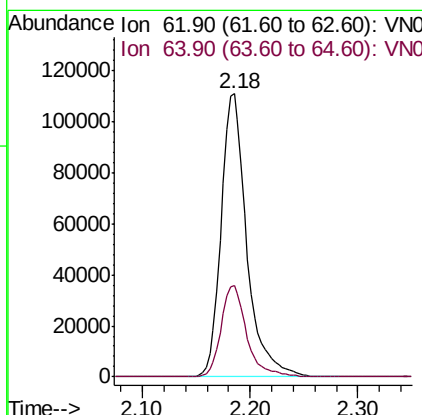
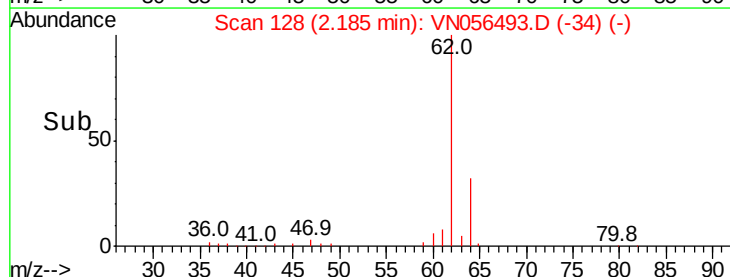
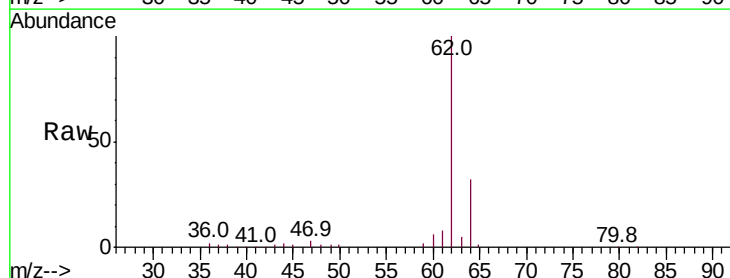
Manual Integrations
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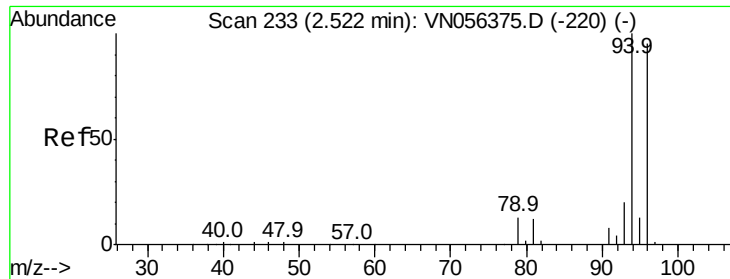
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#4
Vinyl Chloride
Concen: 45.129 ug/l
RT: 2.18 min Scan# 128
Delta R.T. 0.00 min
Lab File: VN056493.D
Acq: 25 Jun 2019 17:44

Tgt Ion	Ratio	Lower	Upper
62	100		
64	32.4	25.7	38.5





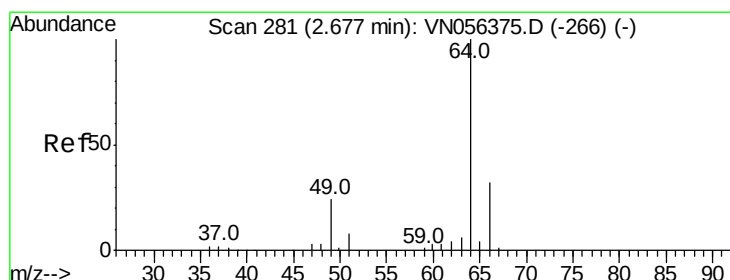
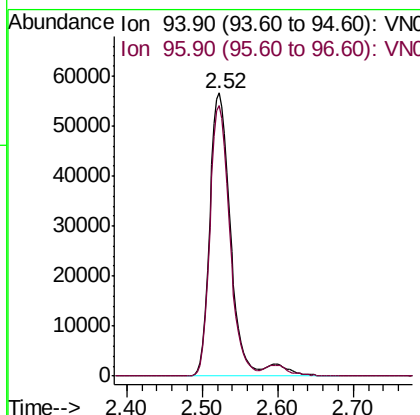
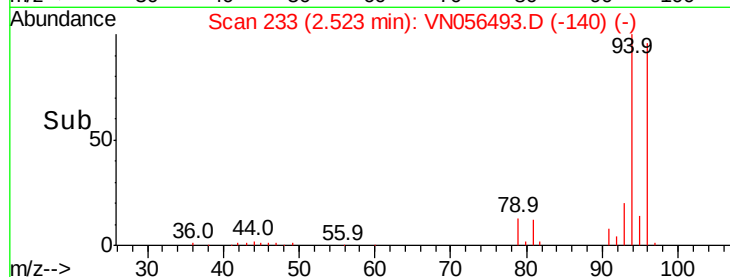
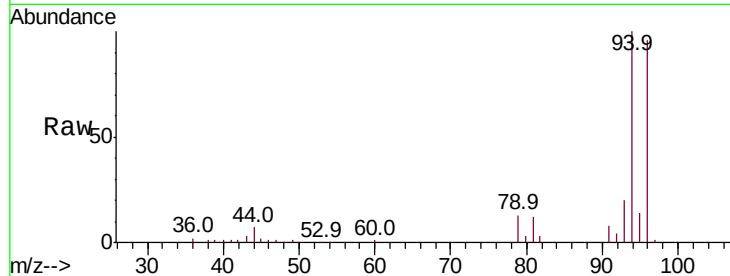
#5
Bromomethane
Concen: 46.755 ug/l m
RT: 2.52 min Scan# 233
Delta R.T. 0.00 min
Lab File: VN056493.D
Acq: 25 Jun 2019 17:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 94 Resp: 111199
Ion Ratio Lower Upper
94 100
96 95.6 76.0 114.0

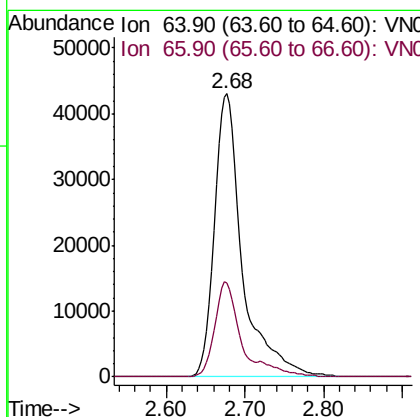
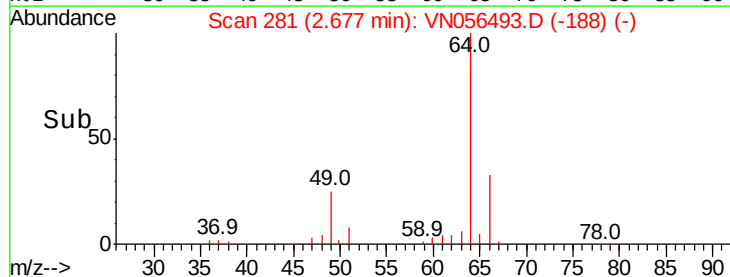
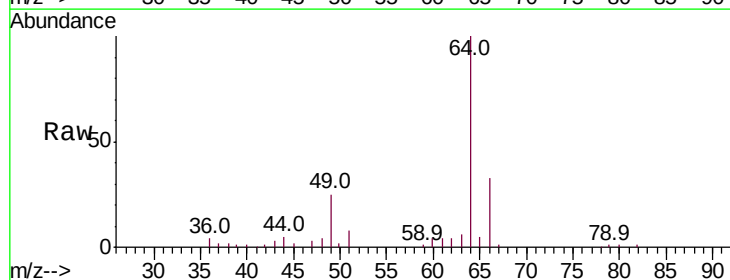
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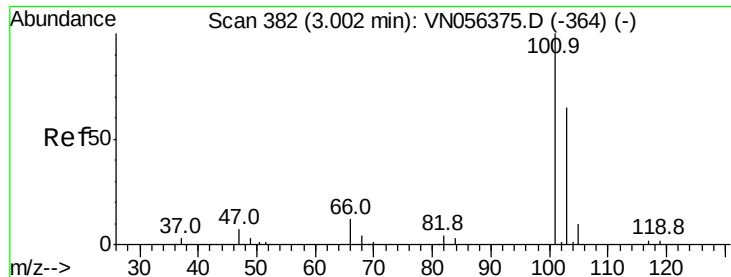
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#6
Chloroethane
Concen: 44.982 ug/l
RT: 2.68 min Scan# 281
Delta R.T. 0.00 min
Lab File: VN056493.D
Acq: 25 Jun 2019 17:44

Tgt Ion: 64 Resp: 105679
Ion Ratio Lower Upper
64 100
66 33.3 25.8 38.8





#7

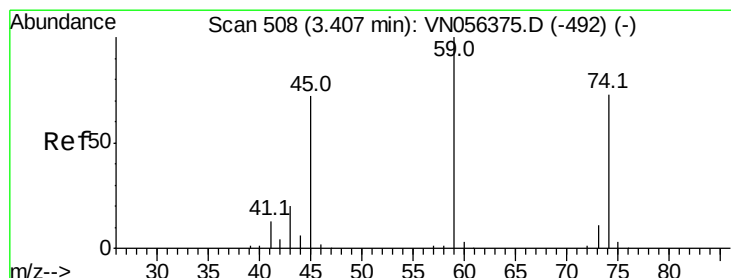
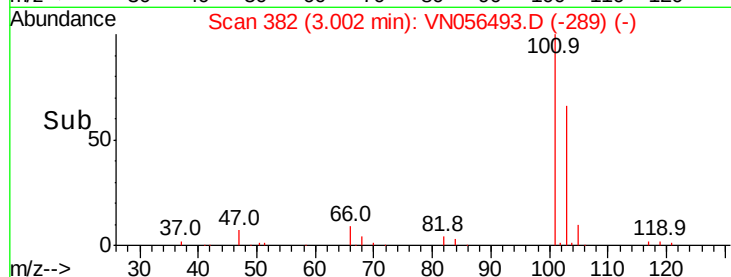
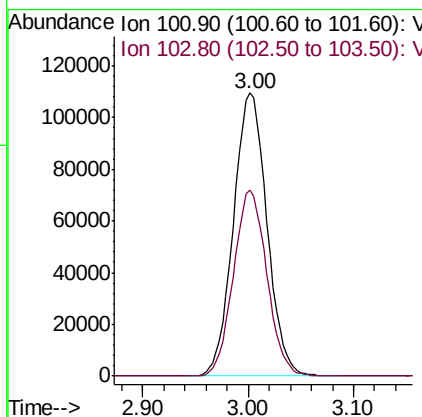
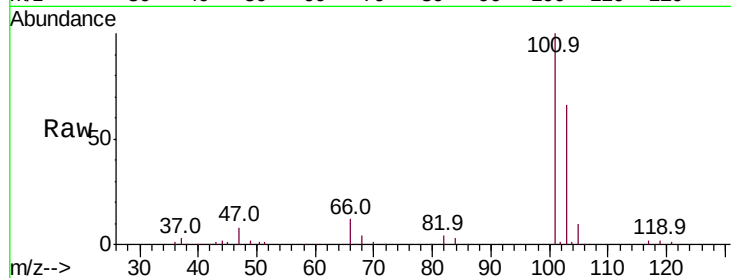
Trichlorofluoromethane
 Concen: 46.088 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN056493.D
 Acq: 25 Jun 2019 17:44

Instrument :
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 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.6	51.7	77.5

Manual Integrations
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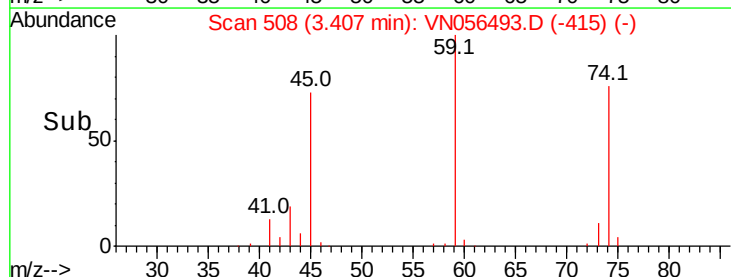
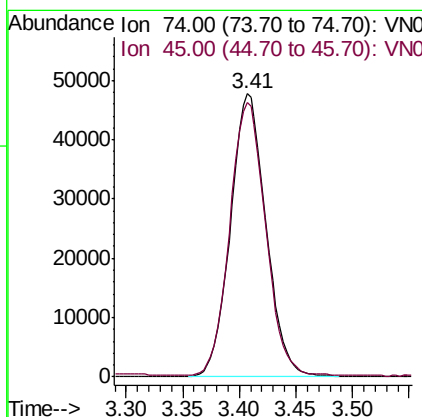
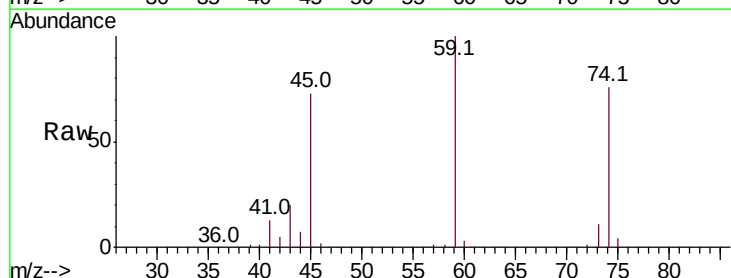
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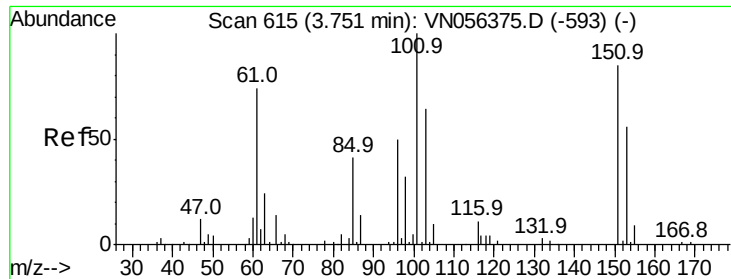


#8

Diethyl Ether
 Concen: 47.005 ug/l
 RT: 3.41 min Scan# 508
 Delta R.T. 0.00 min
 Lab File: VN056493.D
 Acq: 25 Jun 2019 17:44

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.4	48.9	146.6





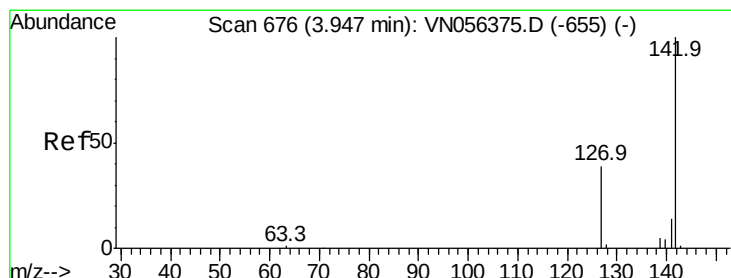
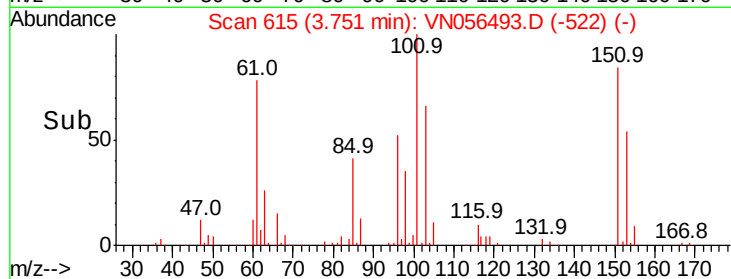
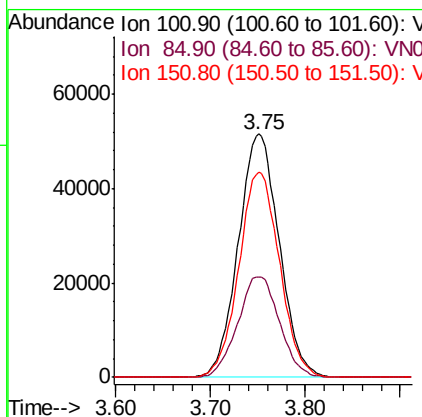
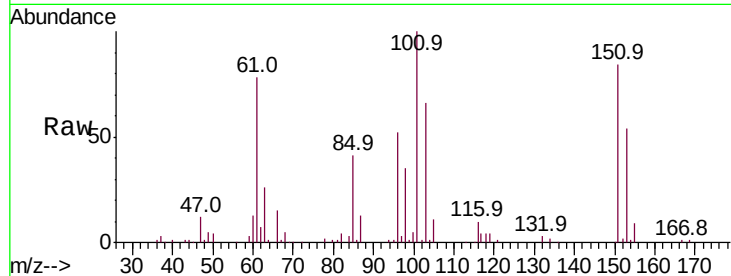
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 46.226 ug/l
 RT: 3.75 min Scan# 615
 Delta R.T. 0.00 min
 Lab File: VN056493.D
 Acq: 25 Jun 2019 17:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	101	Resp:	154701
Ion Ratio	Lower	Upper	
101	100		
85	42.2	32.7	49.1
151	83.7	66.8	100.2

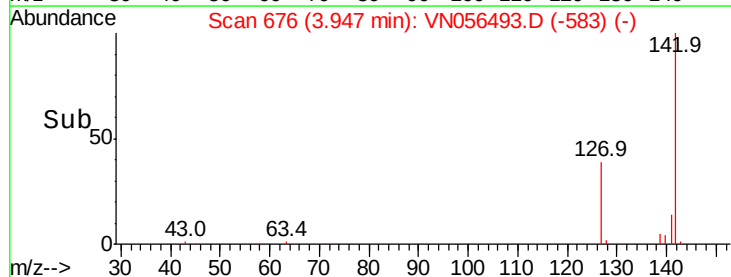
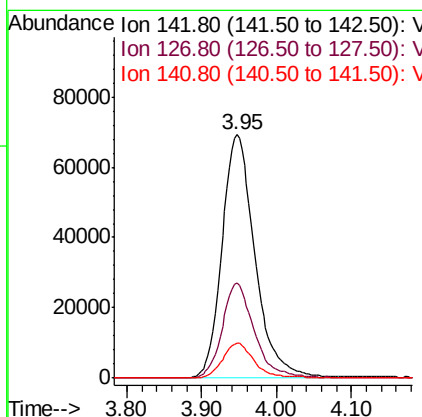
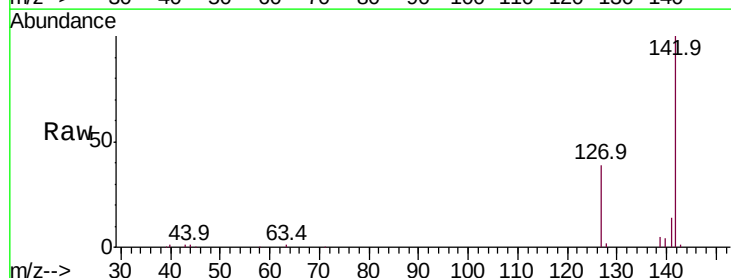
Manual Integrations
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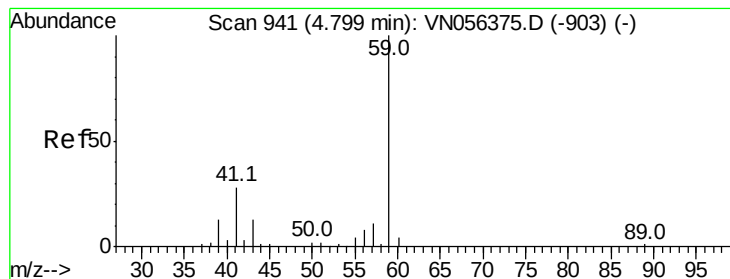
MMDadoda
 6/26/2019 9:28:42 AM



#10
 Methyl Iodide
 Concen: 46.793 ug/l
 RT: 3.95 min Scan# 676
 Delta R.T. 0.00 min
 Lab File: VN056493.D
 Acq: 25 Jun 2019 17:44

Tgt Ion:	142	Resp:	211653
Ion Ratio	Lower	Upper	
142	100		
127	37.9	30.6	46.0
141	13.8	11.4	17.2





#11

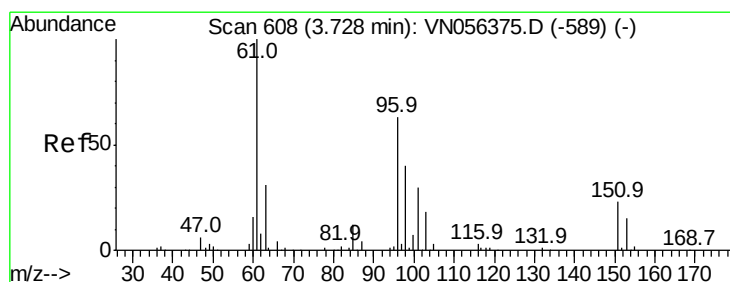
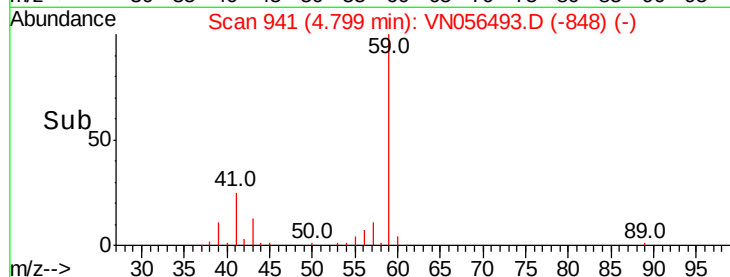
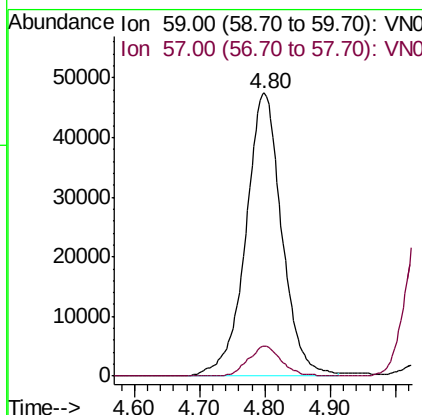
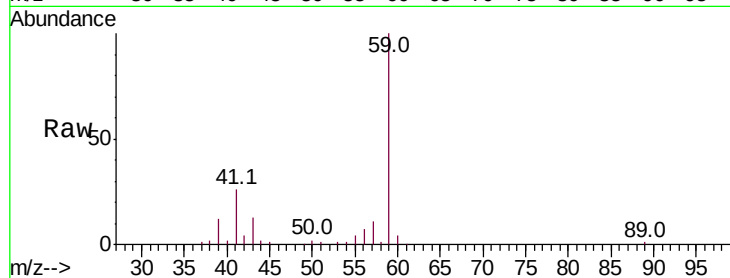
Tert butyl alcohol
 Concen: 267.851 ug/l
 RT: 4.80 min Scan# 941
 Delta R.T. 0.00 min
 Lab File: VN056493.D
 Acq: 25 Jun 2019 17:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.6	7.6	11.4

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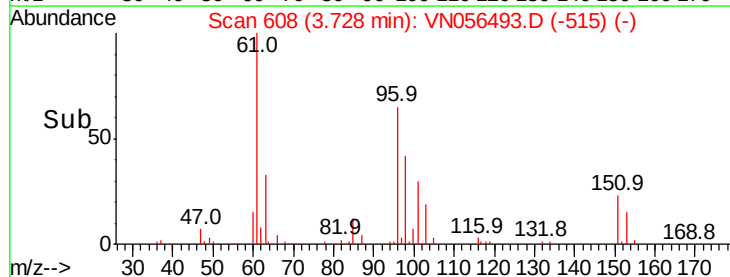
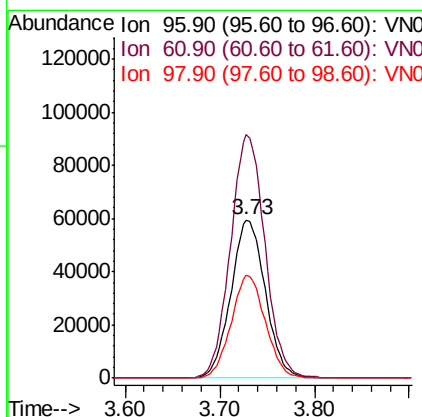
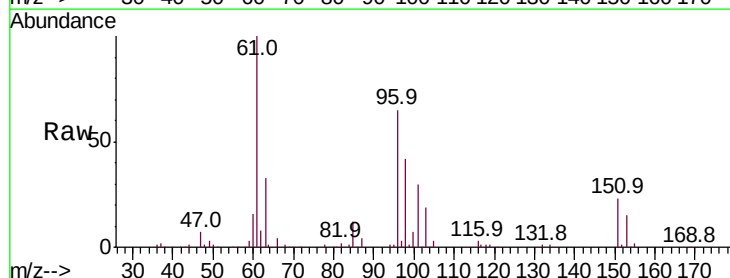
MMDadoda
 6/26/2019 9:28:42 AM

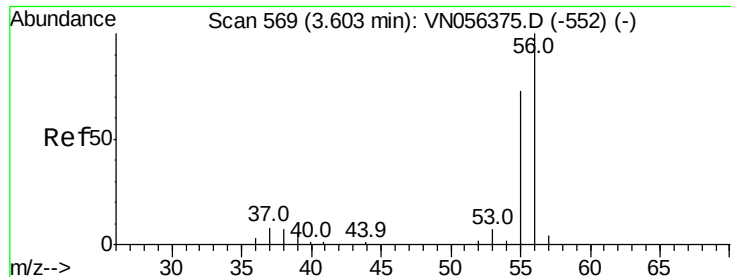


#12

1,1-Dichloroethene
 Concen: 46.687 ug/l
 RT: 3.73 min Scan# 608
 Delta R.T. 0.00 min
 Lab File: VN056493.D
 Acq: 25 Jun 2019 17:44

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.0	126.6	190.0
98	64.7	51.1	76.7





#13

Acrolein

Concen: 196.044 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN056493.D

Acq: 25 Jun 2019 17:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 112366

Ion Ratio Lower Upper

56 100

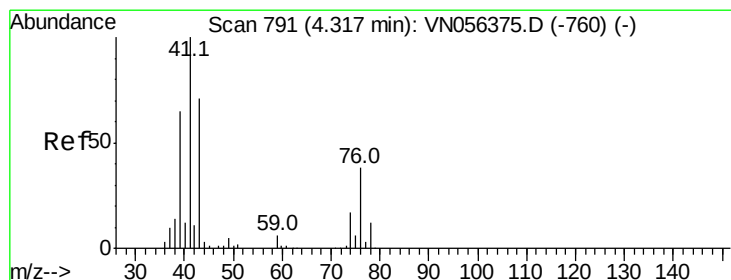
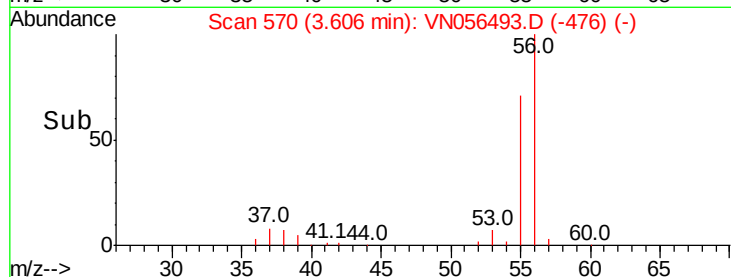
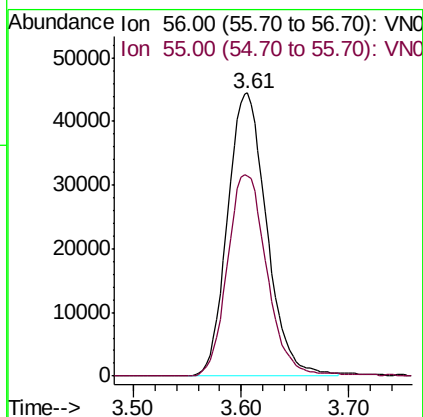
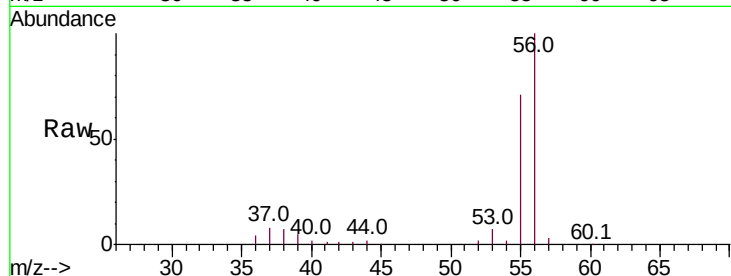
55 71.9 57.1 85.7

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#14

Allyl chloride

Concen: 49.176 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN056493.D

Acq: 25 Jun 2019 17:44

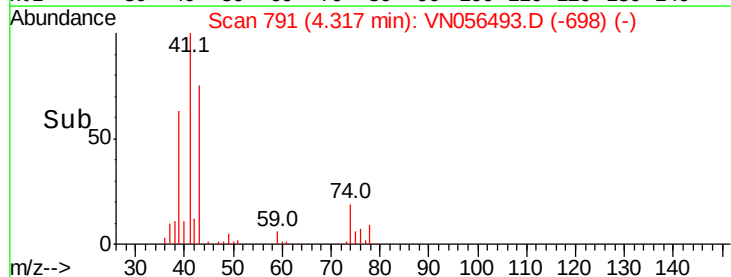
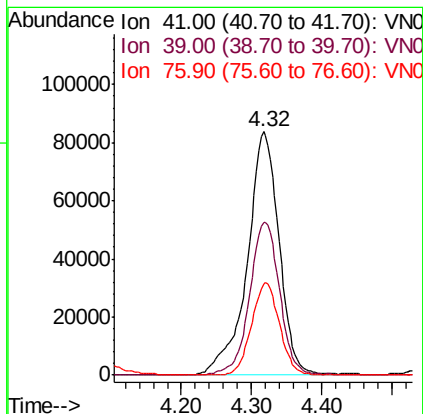
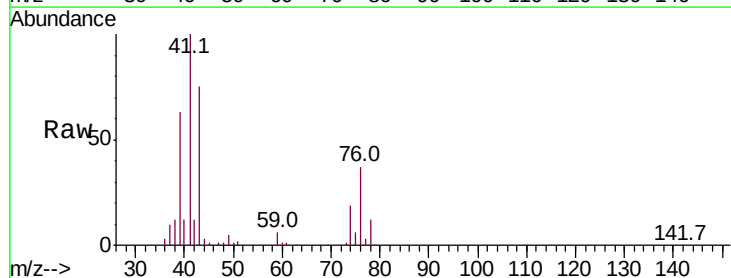
Tgt Ion: 41 Resp: 263454

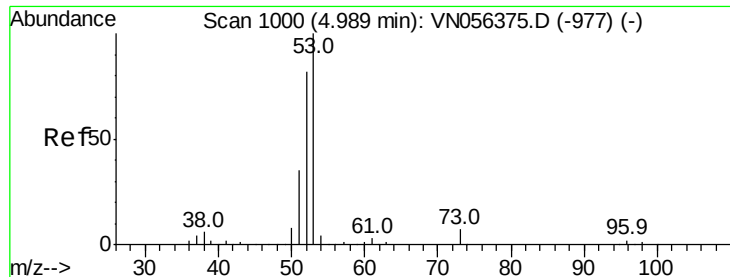
Ion Ratio Lower Upper

41 100

39 59.4 48.6 73.0

76 33.3 26.6 40.0





#15

Acrylonitrile

Concen: 252.572 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056493.D

Acq: 25 Jun 2019 17:44

Instrument :

MSVOA_N

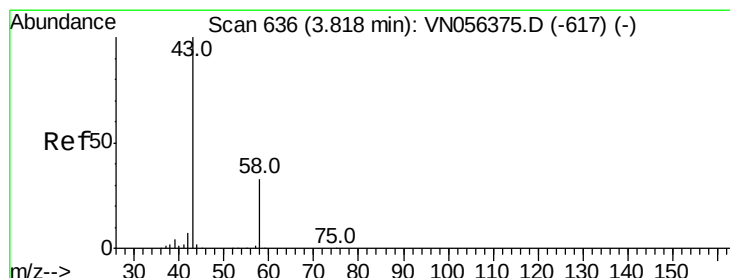
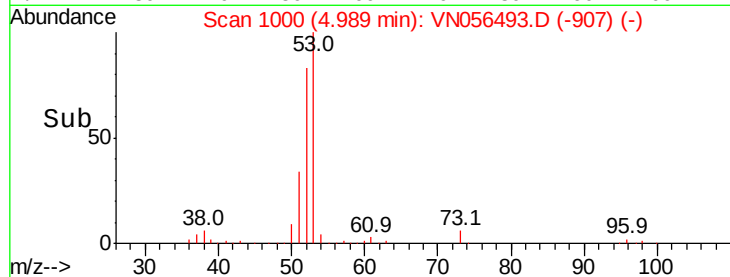
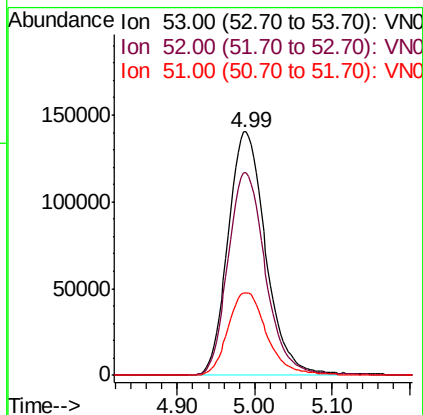
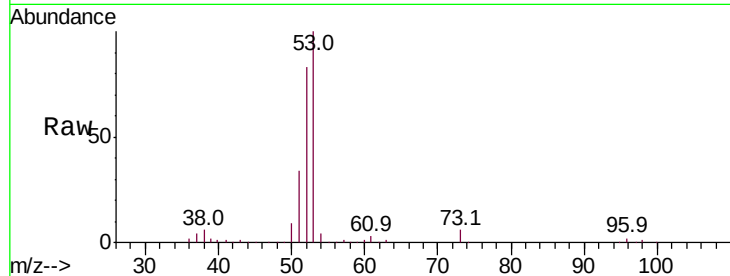
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	475185
Ion Ratio	Lower	Upper	
53	100		
52	83.0	65.9	98.9
51	35.1	28.3	42.5

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#16

Acetone

Concen: 206.506 ug/l

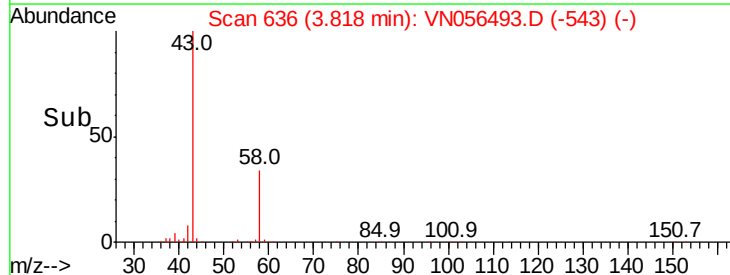
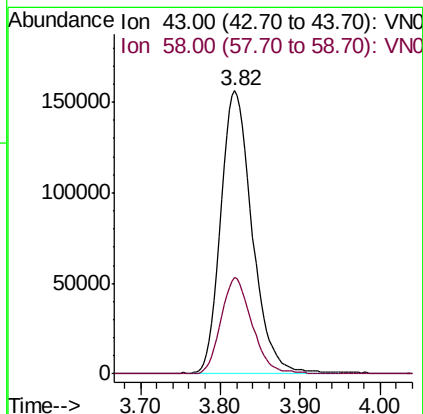
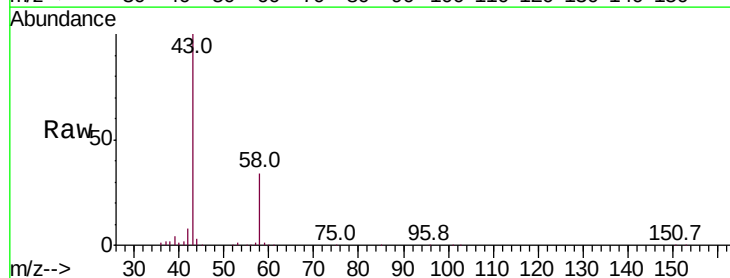
RT: 3.82 min Scan# 636

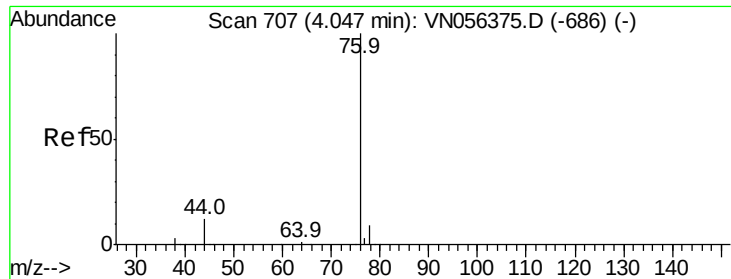
Delta R.T. 0.00 min

Lab File: VN056493.D

Acq: 25 Jun 2019 17:44

Tgt Ion:	43	Resp:	417756
Ion Ratio	Lower	Upper	
43	100		
58	34.0	26.4	39.6





#17

Carbon Disulfide

Concen: 42.007 ug/l

RT: 4.05 min Scan# 707

Delta R.T. 0.00 min

Lab File: VN056493.D

Acq: 25 Jun 2019 17:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 307494

Ion Ratio Lower Upper

76 100

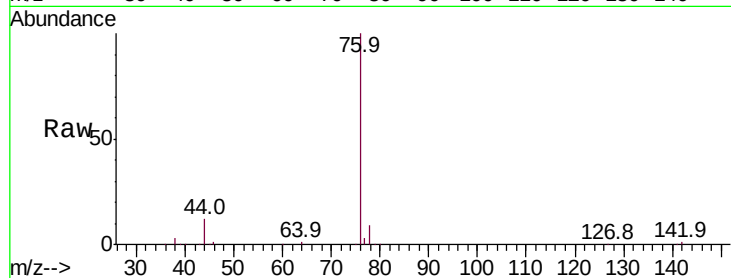
78 9.1 7.1 10.7

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.05

120000

100000

80000

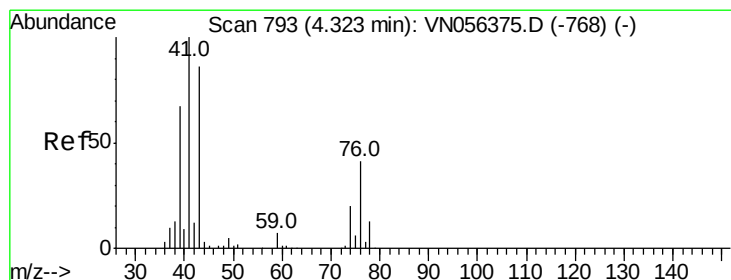
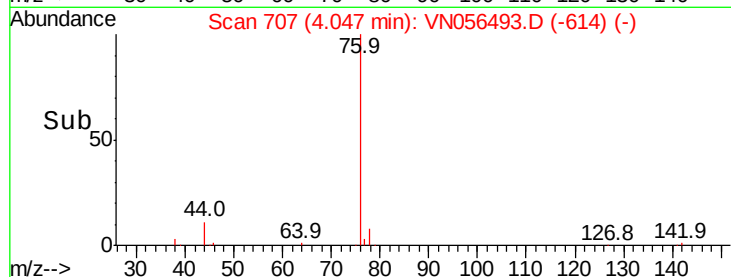
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 51.174 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN056493.D

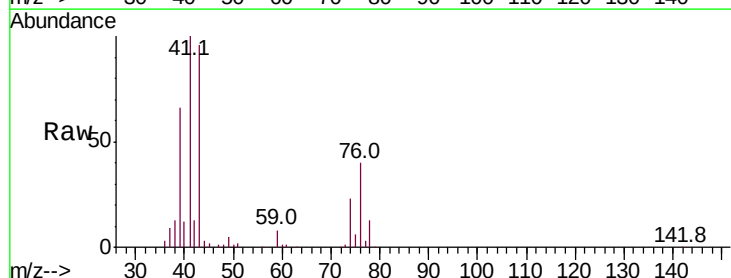
Acq: 25 Jun 2019 17:44

Tgt Ion: 43 Resp: 202680

Ion Ratio Lower Upper

43 100

74 24.5 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

80000

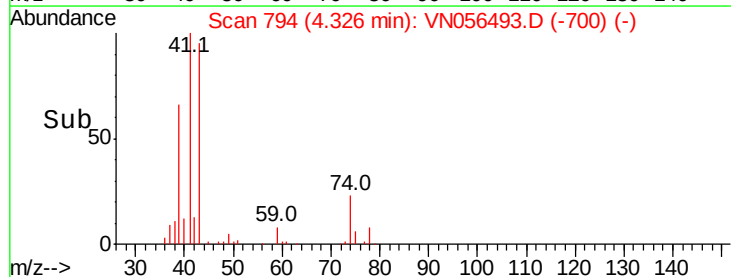
60000

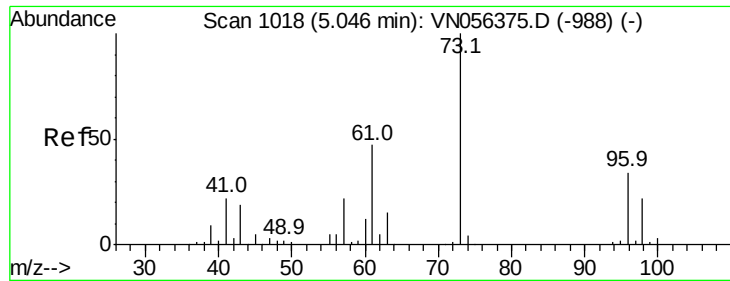
40000

20000

0

Time-->





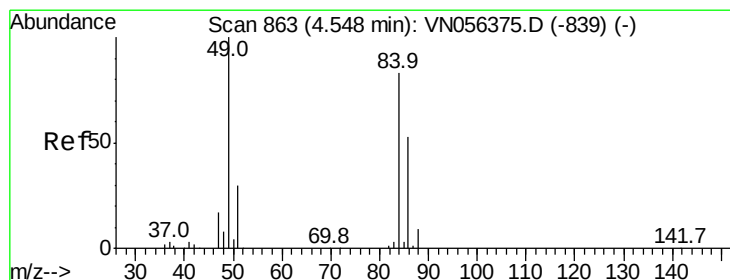
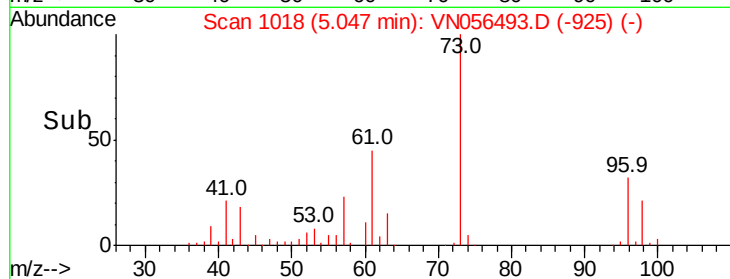
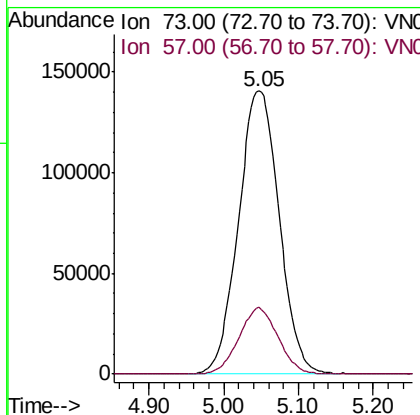
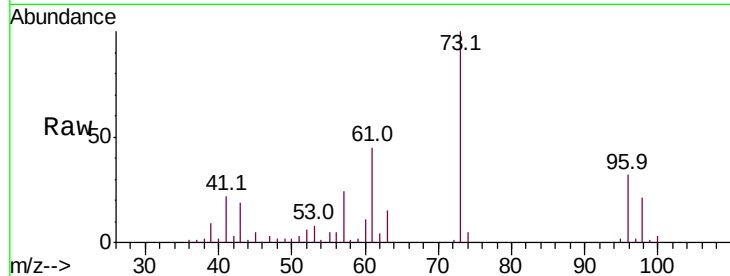
#19
Methyl tert-butyl Ether
Concen: 49.961 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN056493.D
Acq: 25 Jun 2019 17:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 532043
Ion Ratio Lower Upper
73 100
57 23.6 17.9 26.9

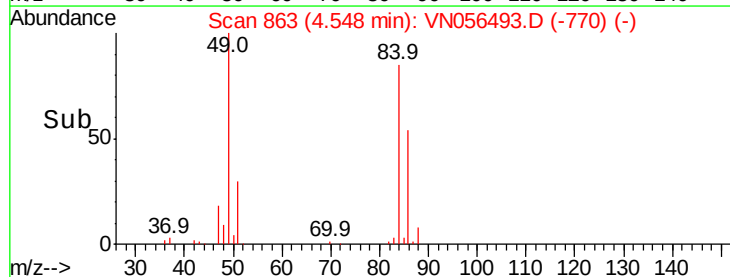
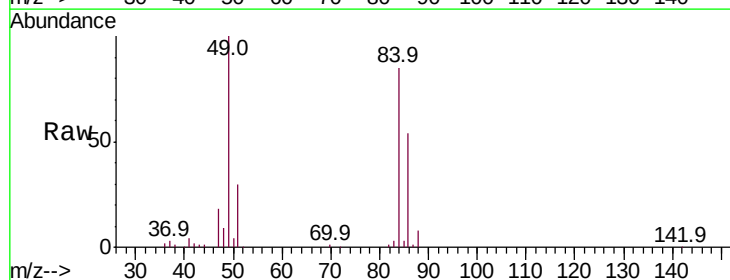
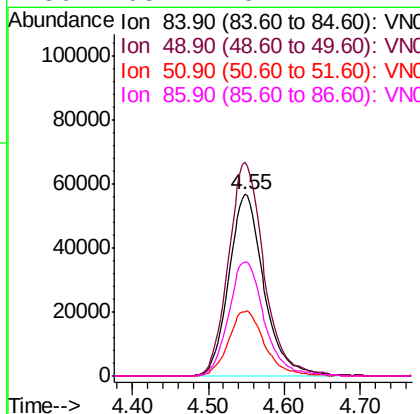
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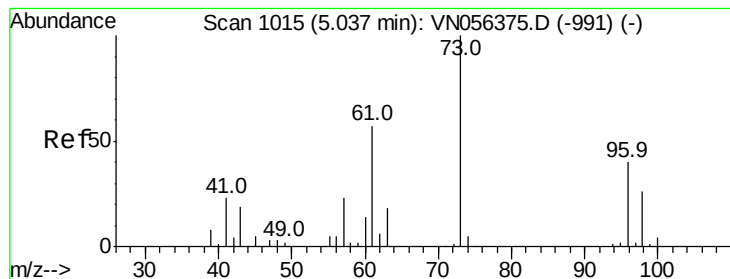
MMDadoda
6/26/2019 9:28:42 AM



#20
Methylene Chloride
Concen: 47.663 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN056493.D
Acq: 25 Jun 2019 17:44

Tgt Ion: 84 Resp: 181925
Ion Ratio Lower Upper
84 100
49 117.6 96.4 144.6
51 35.4 28.6 43.0
86 63.1 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 45.647 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. 0.00 min

Lab File: VN056493.D

Acq: 25 Jun 2019 17:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 158387

Ion Ratio Lower Upper

96 100

61 139.0 113.0 169.6

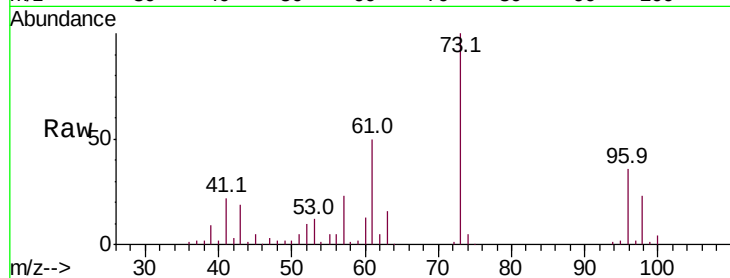
98 62.3 52.2 78.2

Manual Integrations

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MMDadoda

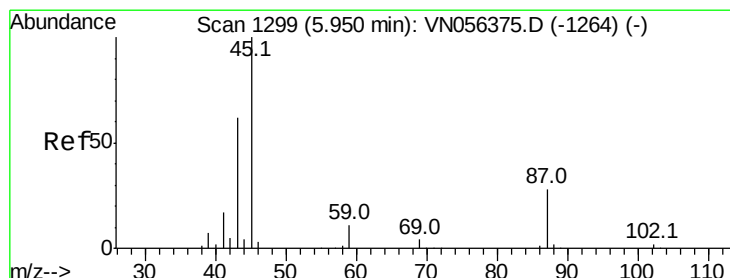
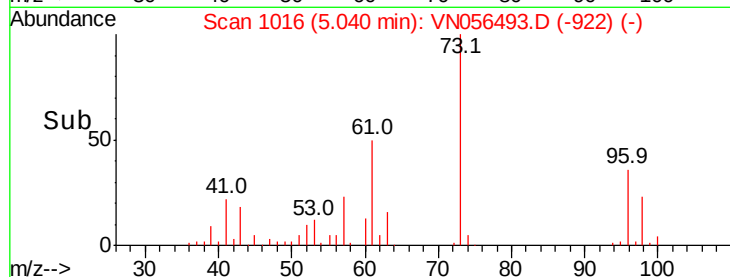
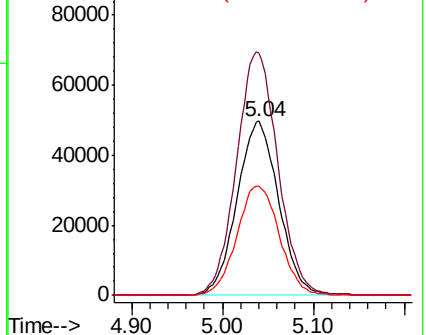
6/26/2019 9:28:42 AM



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



#22

Diisopropyl ether

Concen: 49.279 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN056493.D

Acq: 25 Jun 2019 17:44

Tgt Ion: 45 Resp: 554439

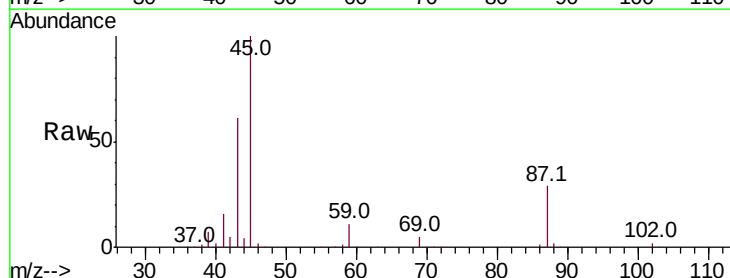
Ion Ratio Lower Upper

45 100

43 59.3 50.4 75.6

87 28.5 23.0 34.4

59 11.2 9.1 13.7

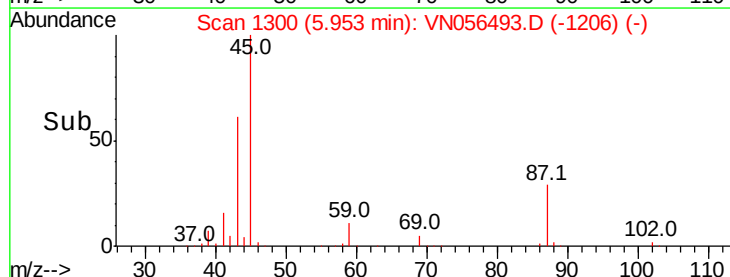
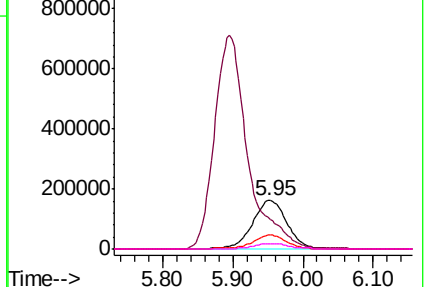


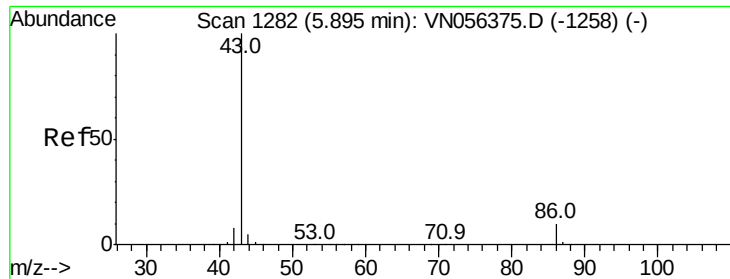
Abundance Ion 45.00 (44.70 to 45.70): VN0

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: 264.554 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN056493.D

Acq: 25 Jun 2019 17:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2347671

Ion Ratio Lower Upper

43 100

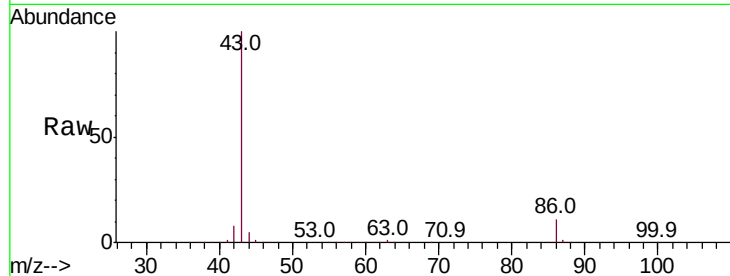
86 10.7 8.3 12.5

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

800000

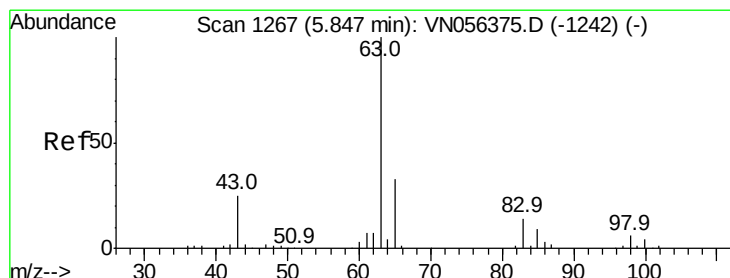
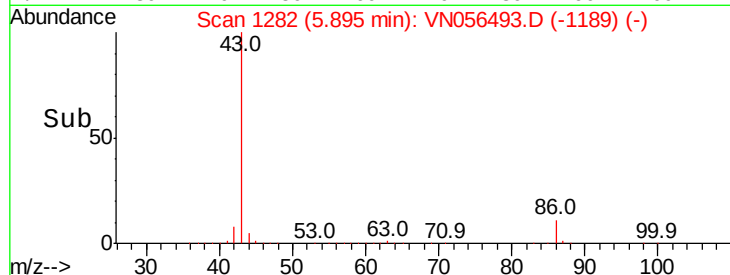
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 48.354 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN056493.D

Acq: 25 Jun 2019 17:44

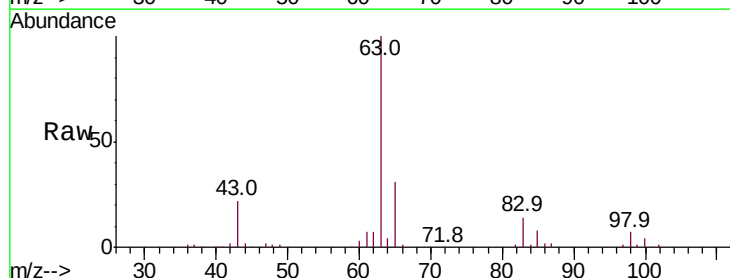
Tgt Ion: 63 Resp: 312293

Ion Ratio Lower Upper

63 100

98 6.7 3.2 9.6

100 4.2 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

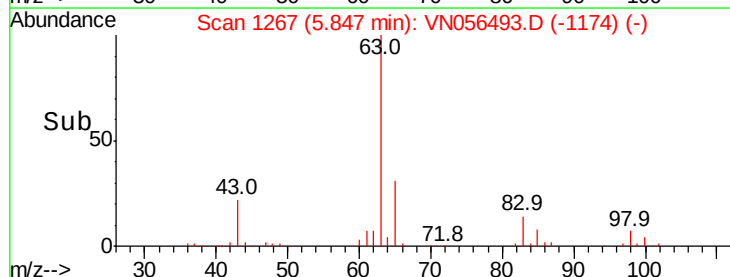
5.85

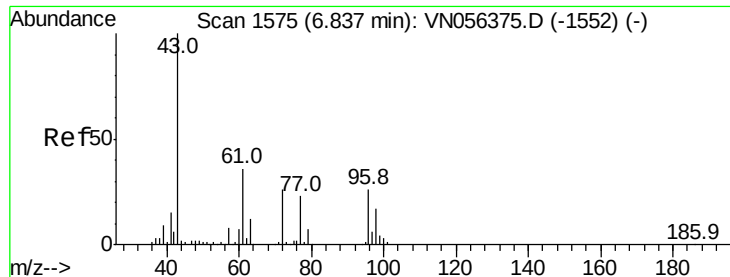
100000

50000

0

Time-->





#25

2-Butanone

Concen: 240.587 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN056493.D

Acq: 25 Jun 2019 17:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 644150

Ion Ratio Lower Upper

43 100

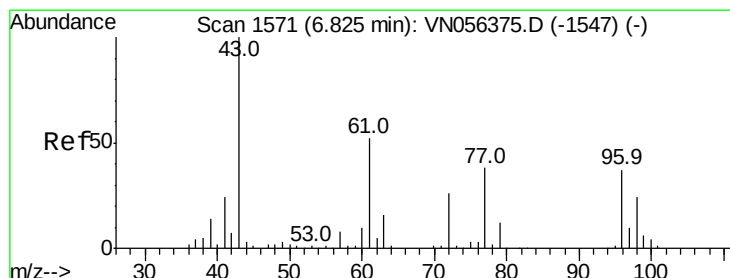
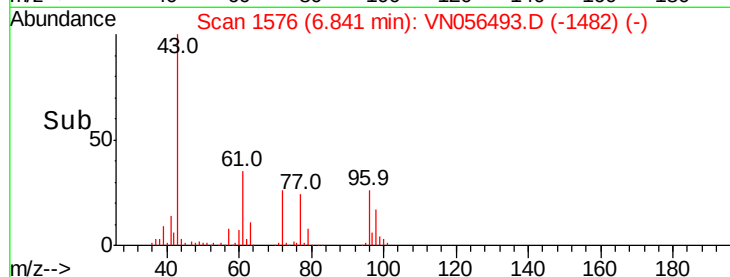
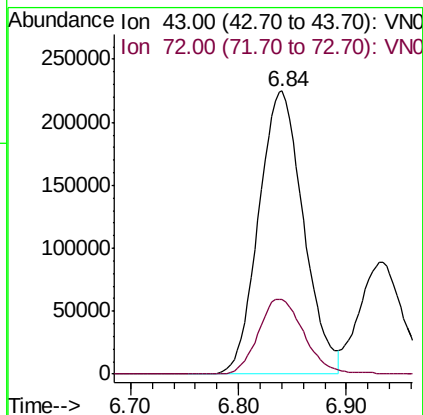
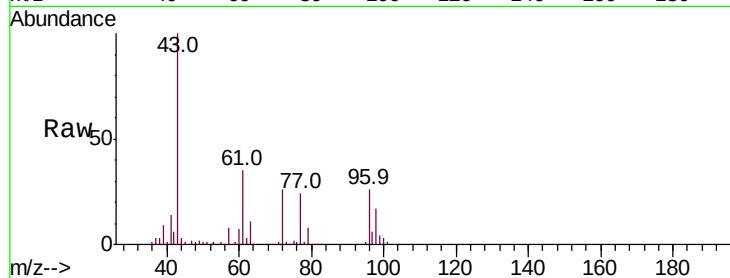
72 26.3 20.6 31.0

Manual Integrations

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6/26/2019 9:28:42 AM



#26

2,2-Dichloropropane

Concen: 49.989 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN056493.D

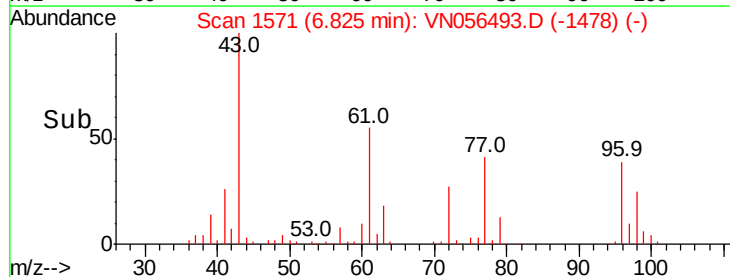
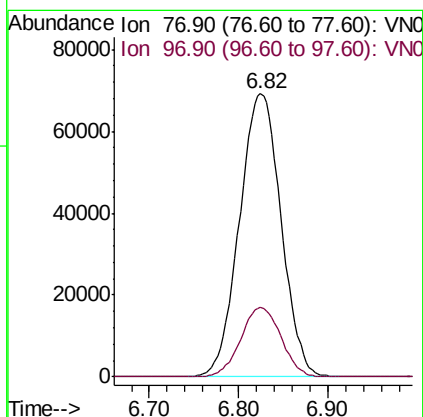
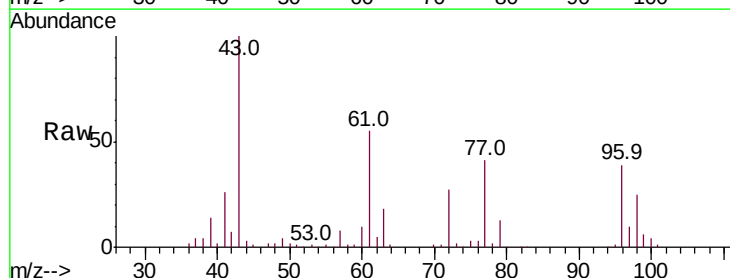
Acq: 25 Jun 2019 17:44

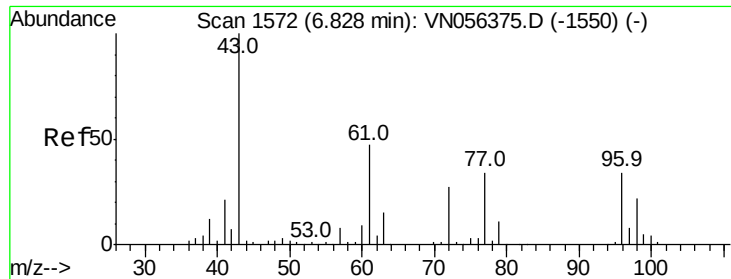
Tgt Ion: 77 Resp: 224544

Ion Ratio Lower Upper

77 100

97 23.8 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 48.927 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN056493.D

Acq: 25 Jun 2019 17:44

Instrument :

MSVOA_N

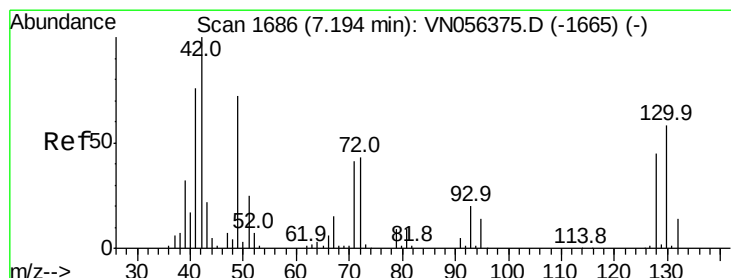
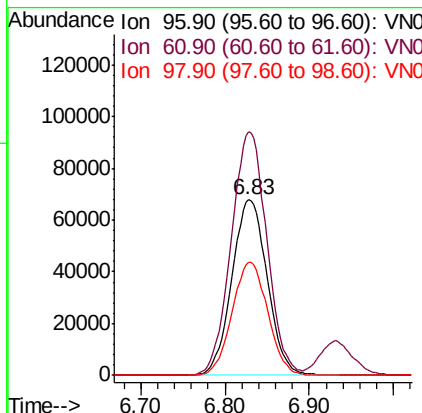
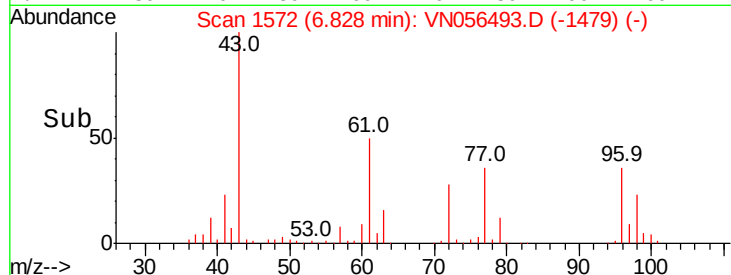
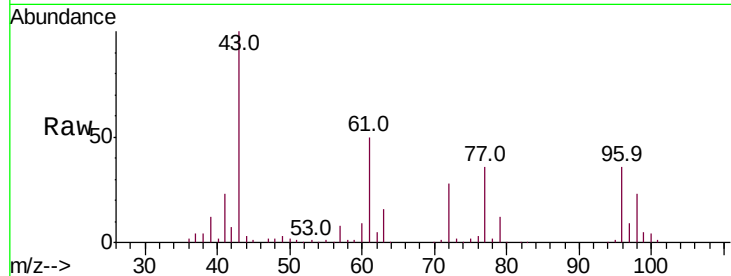
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	198619
Ion	Ratio	Lower	Upper
96	100		
61	139.3	0.0	279.8
98	64.8	0.0	130.0

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#28

Bromochloromethane

Concen: 49.247 ug/l

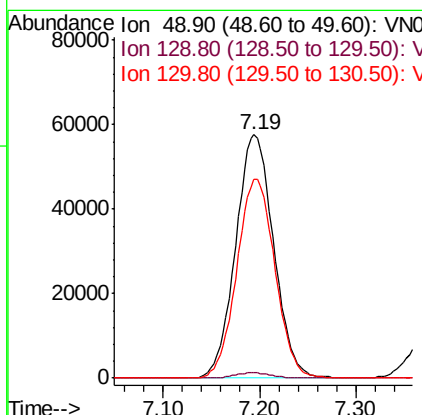
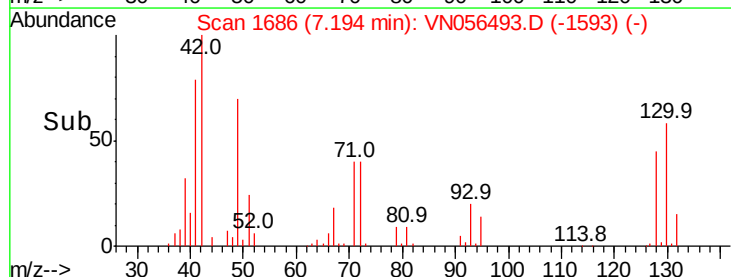
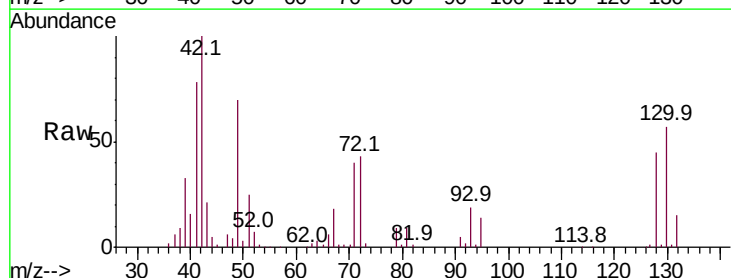
RT: 7.19 min Scan# 1686

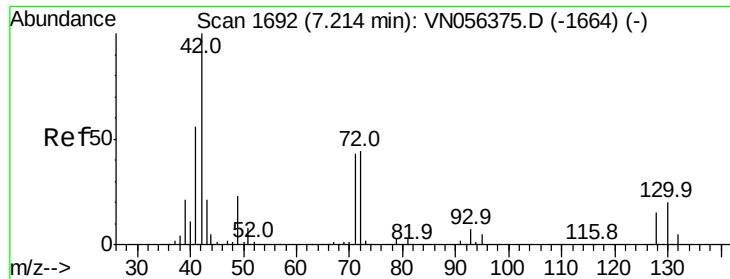
Delta R.T. 0.00 min

Lab File: VN056493.D

Acq: 25 Jun 2019 17:44

Tgt Ion:	49	Resp:	157321
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.2
130	81.9	64.9	97.3





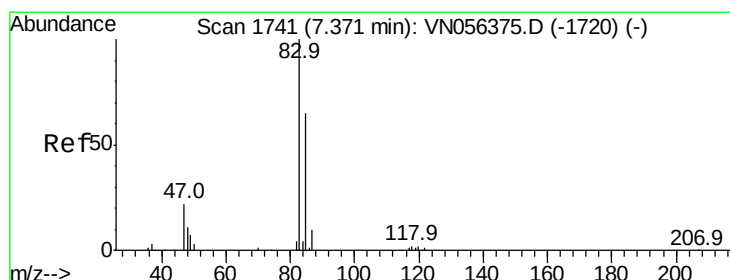
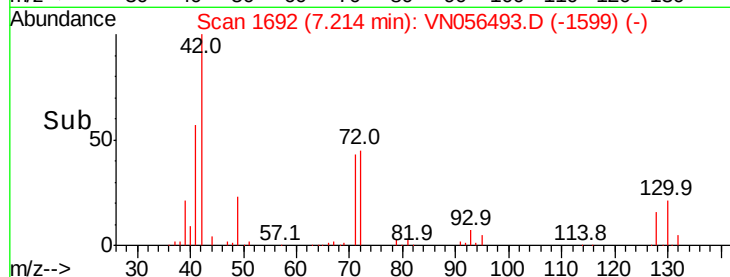
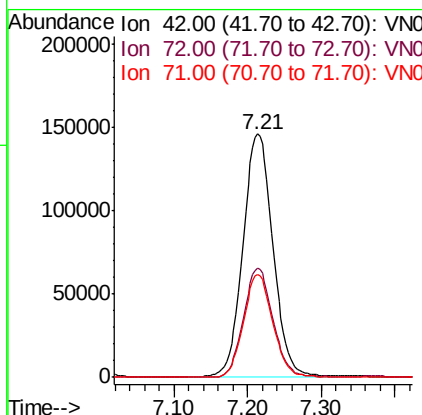
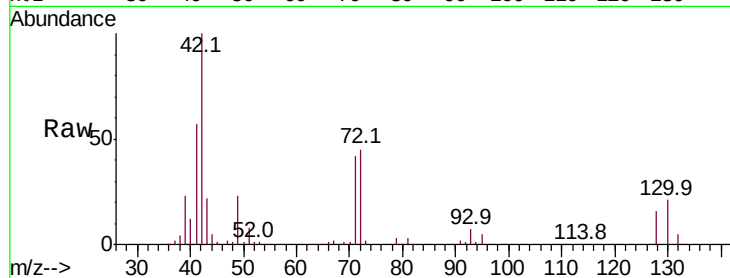
#29
Tetrahydrofuran
Concen: 255.441 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN056493.D
Acq: 25 Jun 2019 17:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.6	34.7	52.1
71	41.1	33.0	49.6

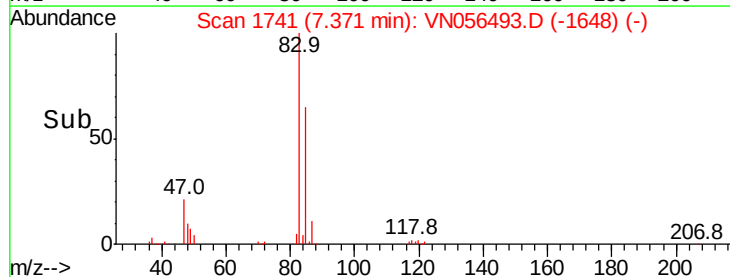
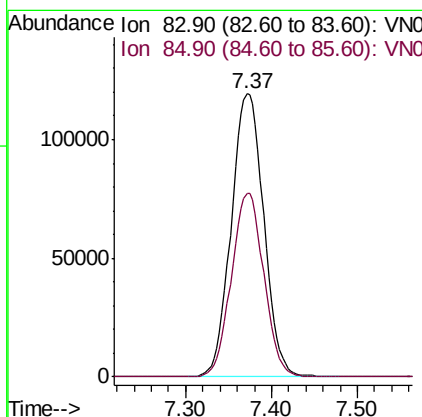
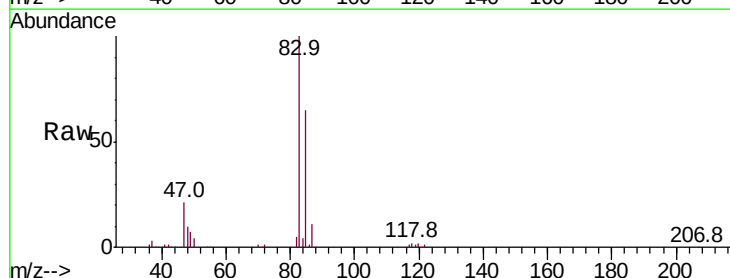
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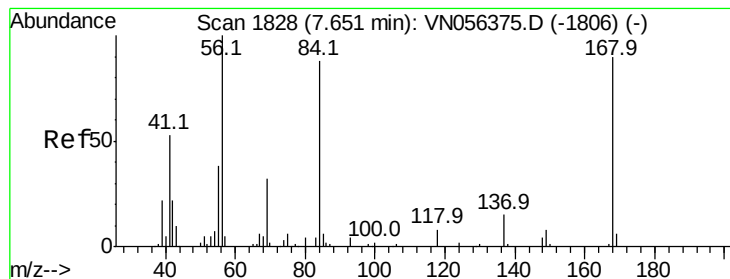
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#30
Chloroform
Concen: 49.230 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056493.D
Acq: 25 Jun 2019 17:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.3	78.5





#31

Cyclohexane

Concen: 43.297 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN056493.D

Acq: 25 Jun 2019 17:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 269960

Ion Ratio Lower Upper

56 100

69 32.8 25.8 38.6

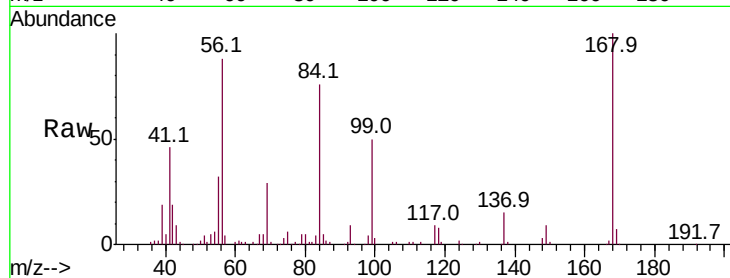
84 85.8 69.4 104.0

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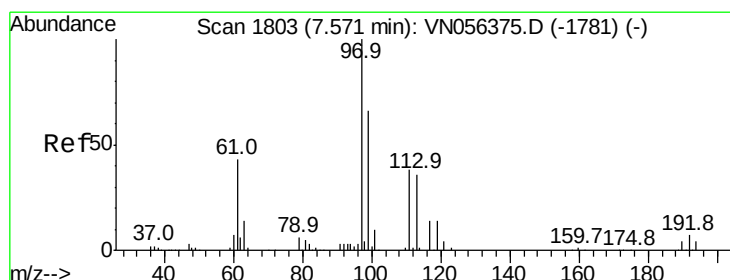
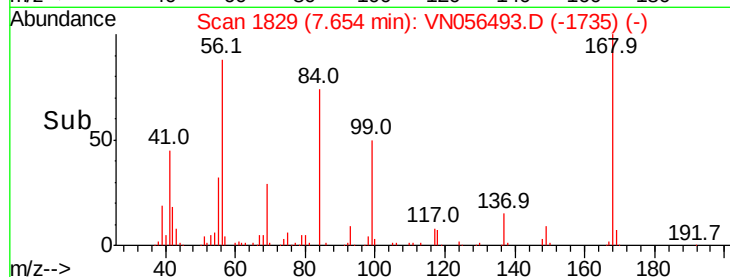
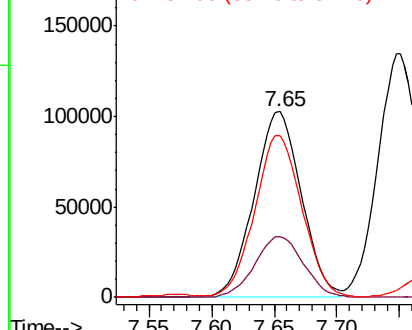
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Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC



#32

1,1,1-Trichloroethane

Concen: 50.143 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN056493.D

Acq: 25 Jun 2019 17:44

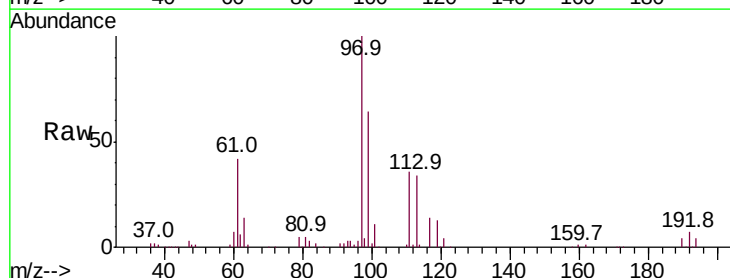
Tgt Ion: 97 Resp: 253297

Ion Ratio Lower Upper

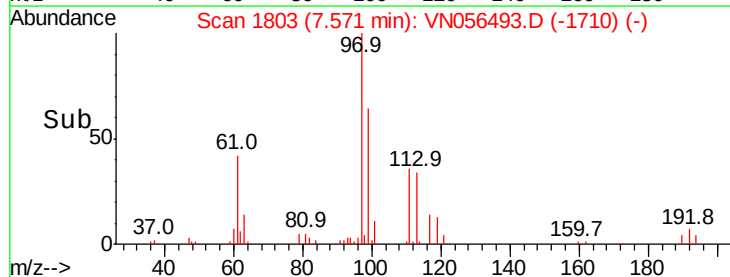
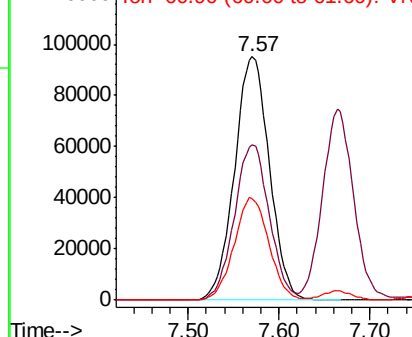
97 100

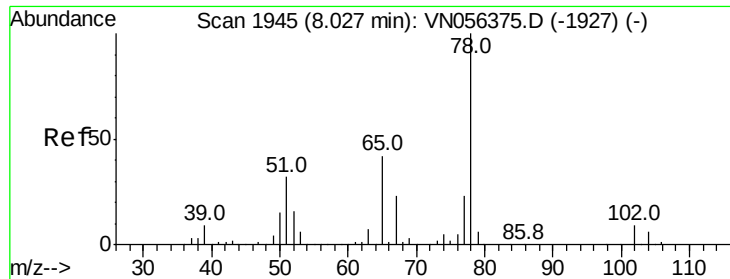
99 64.0 51.8 77.6

61 42.0 33.9 50.9



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





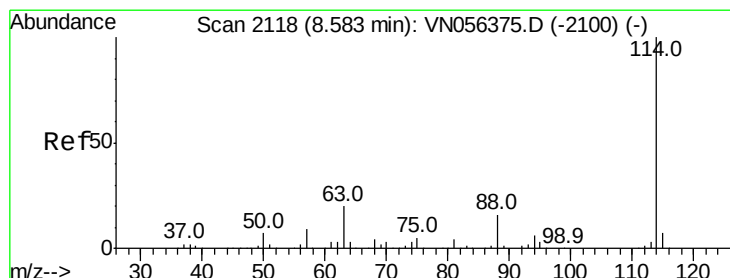
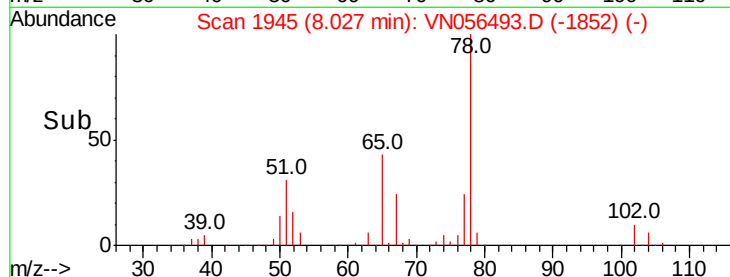
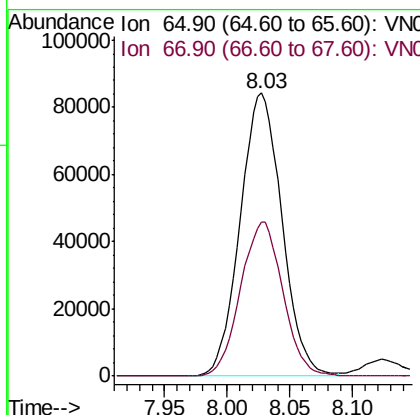
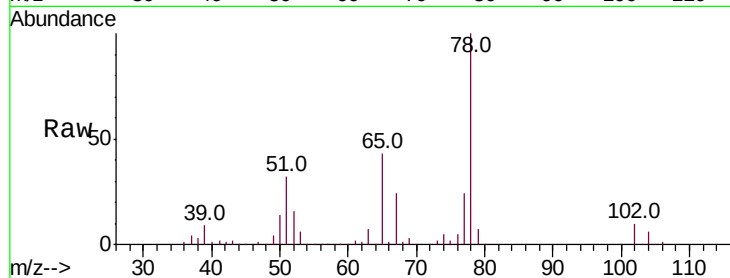
#33
 1,2-Dichloroethane-d4
 Concen: 48.409 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056493.D
 Acq: 25 Jun 2019 17:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	195462		
67	55.2	0.0	109.0	

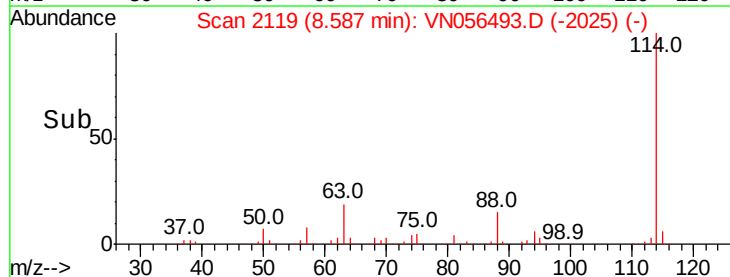
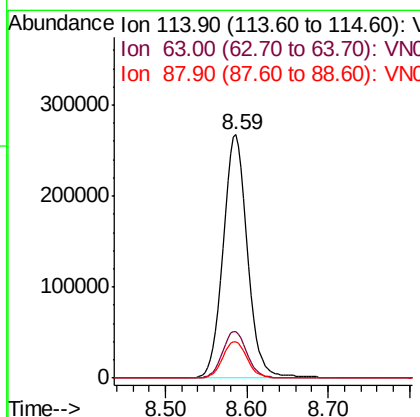
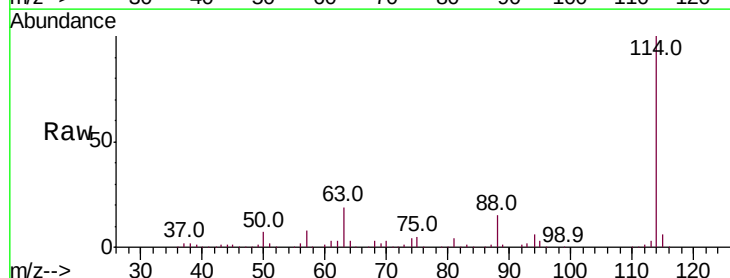
Manual Integrations
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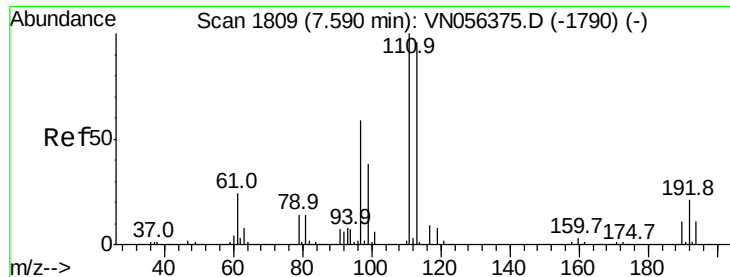
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056493.D
 Acq: 25 Jun 2019 17:44

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	566554		
63	19.1	0.0	39.2	
88	15.1	0.0	31.4	





#35

Dibromofluoromethane

Concen: 49.159 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN056493.D

Acq: 25 Jun 2019 17:44

Instrument :

MSVOA_N

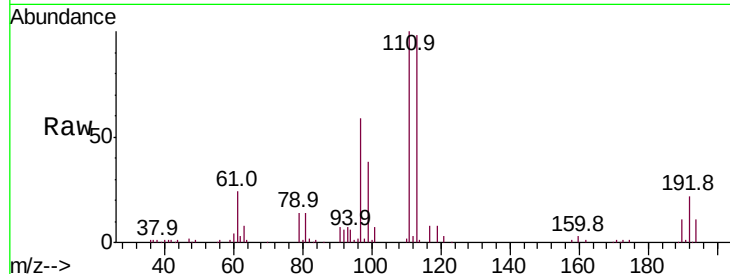
ClientSampleId :

VSTDCCC050EC

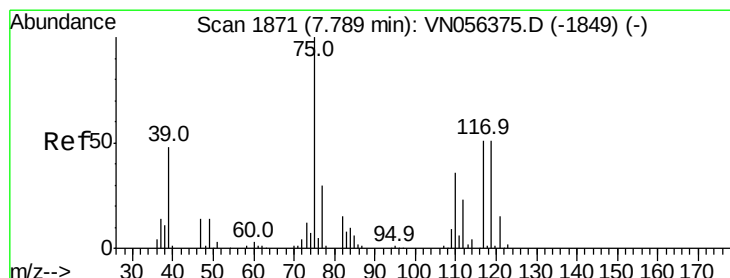
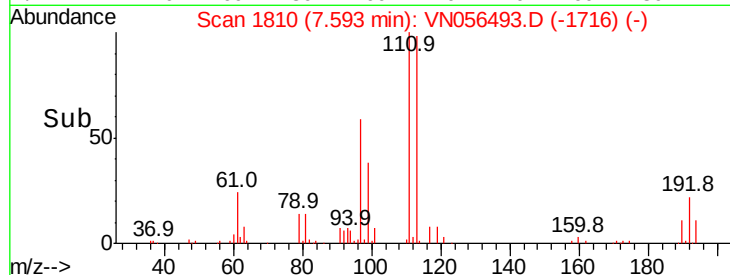
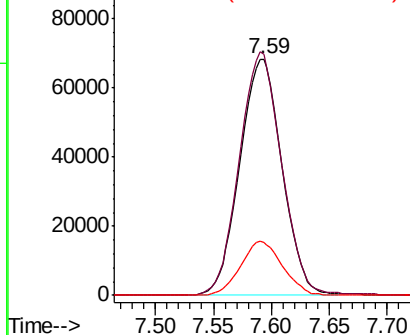
Tot Ion:	113	Resp:	173746
Ion Ratio	Lower	Upper	
113	100		
111	102.6	82.9	124.3
192	22.6	17.7	26.5

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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: 44.381 ug/l

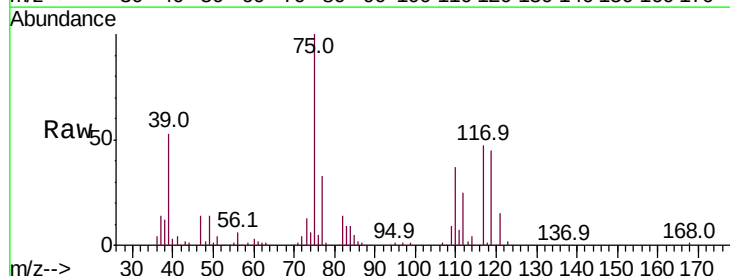
RT: 7.79 min Scan# 1872

Delta R.T. 0.00 min

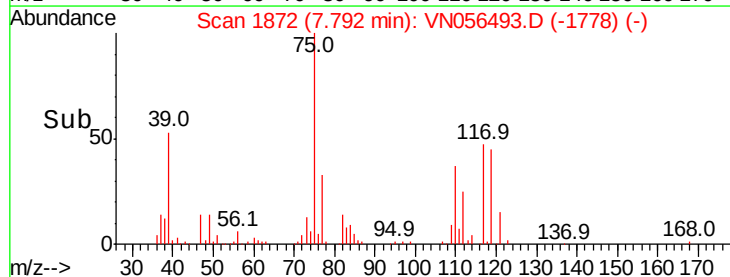
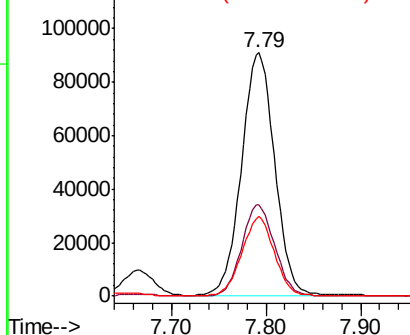
Lab File: VN056493.D

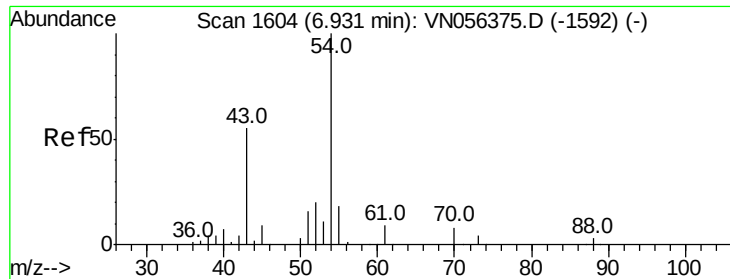
Acq: 25 Jun 2019 17:44

Tgt Ion:	75	Resp:	221316
Ion Ratio	Lower	Upper	
75	100		
110	37.3	18.1	54.3
77	32.1	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





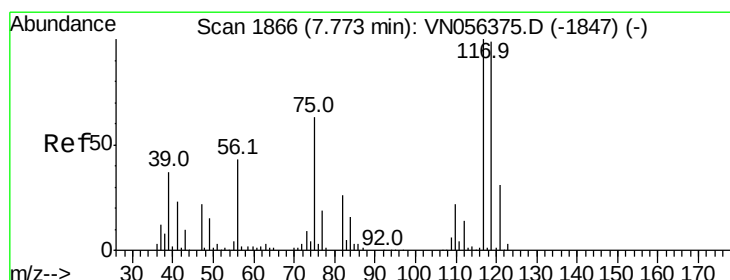
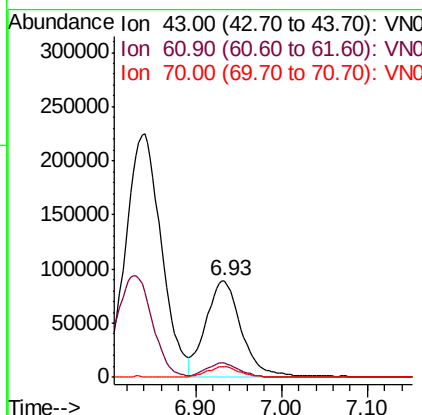
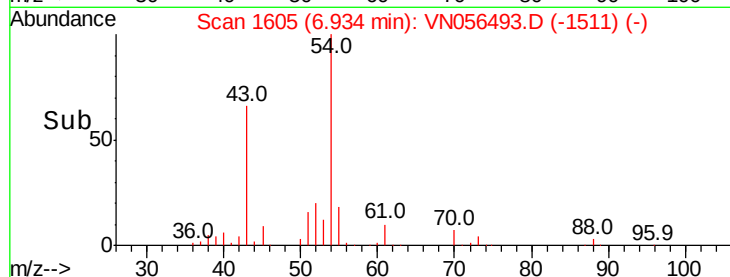
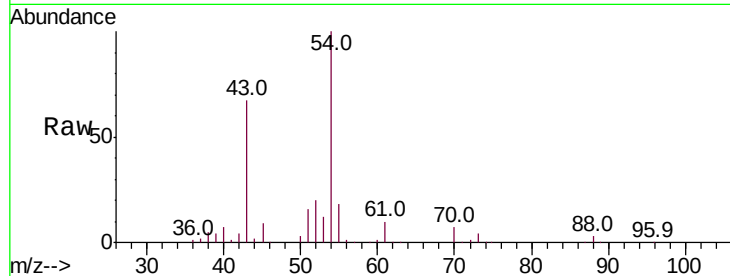
#37
Ethyl Acetate
Concen: 51.771 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN056493.D
Acq: 25 Jun 2019 17:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.1	16.7
70	10.3	8.3	12.5

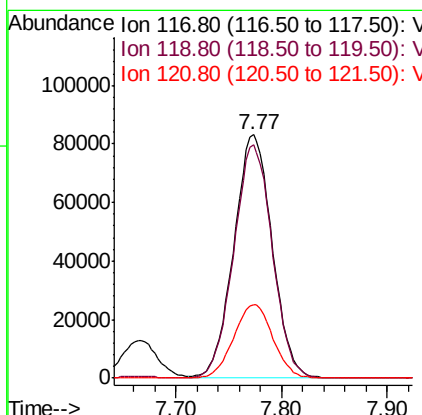
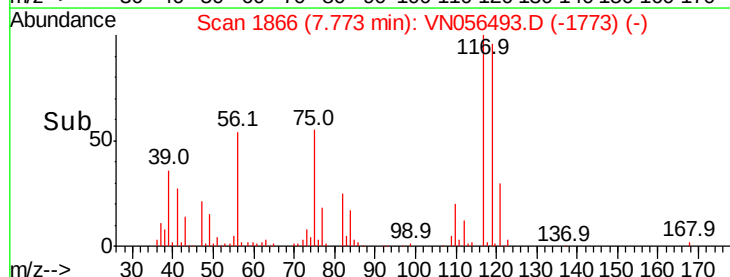
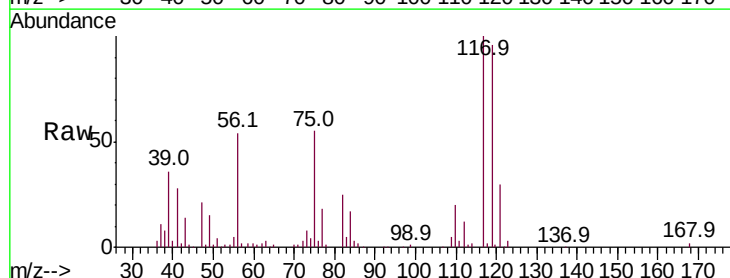
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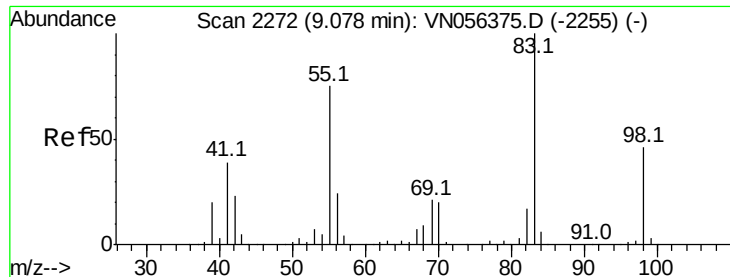
MMDadoda
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#38
Carbon Tetrachloride
Concen: 48.302 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN056493.D
Acq: 25 Jun 2019 17:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	79.1	118.7
121	30.2	24.8	37.2





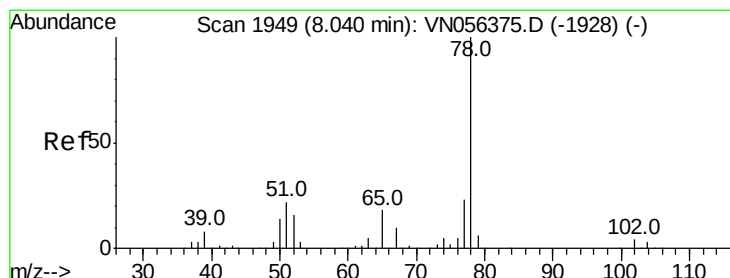
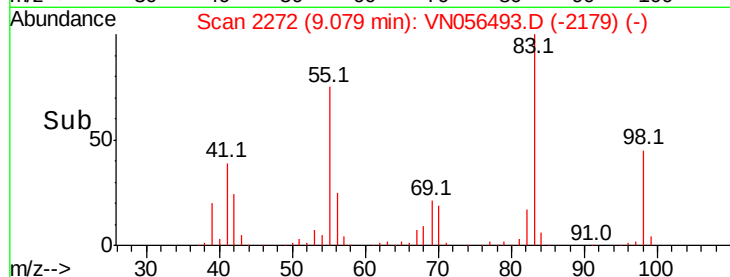
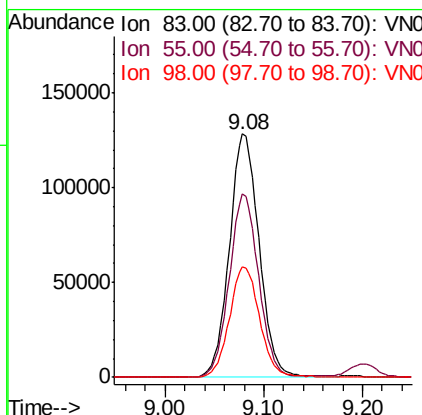
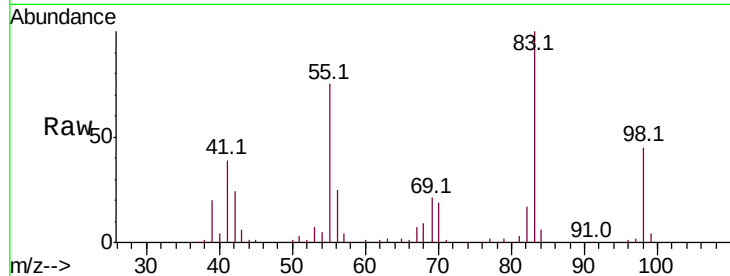
#39
Methylvlcyclohexane
Concen: 43.958 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056493.D
Acq: 25 Jun 2019 17:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.2	60.0	90.0
98	45.2	36.6	54.8

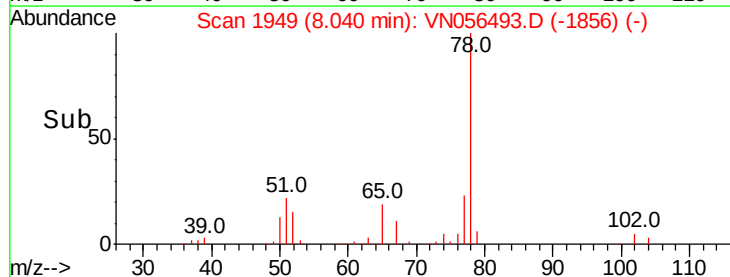
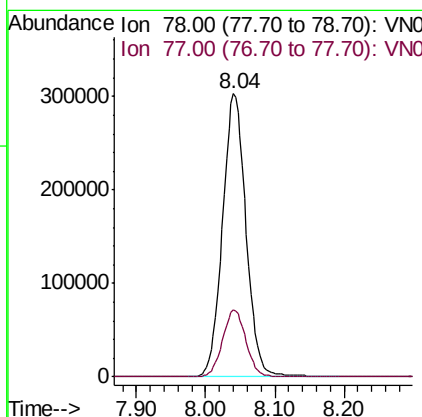
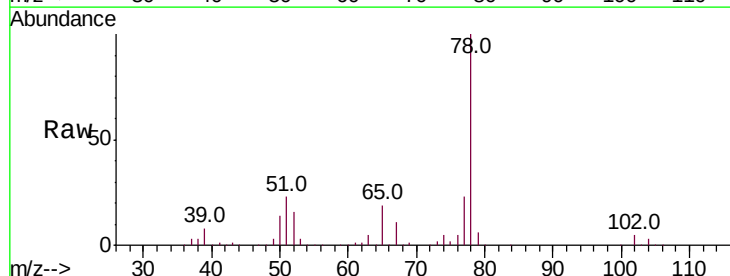
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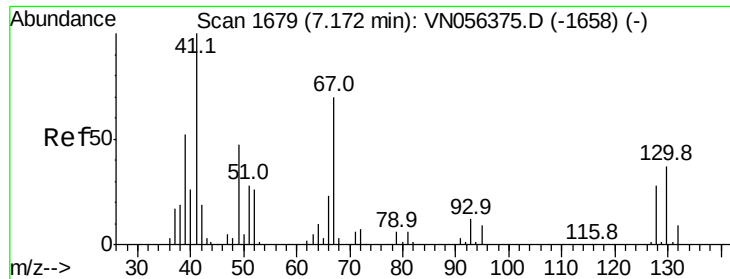
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#40
Benzene
Concen: 46.698 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056493.D
Acq: 25 Jun 2019 17:44

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.3	27.5





#41

Methacrylonitrile

Concen: 51.974 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VN056493.D

Acq: 25 Jun 2019 17:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 112471

Ion Ratio Lower Upper

41 100

39 62.4 55.3 82.9

67 90.6 79.2 118.8

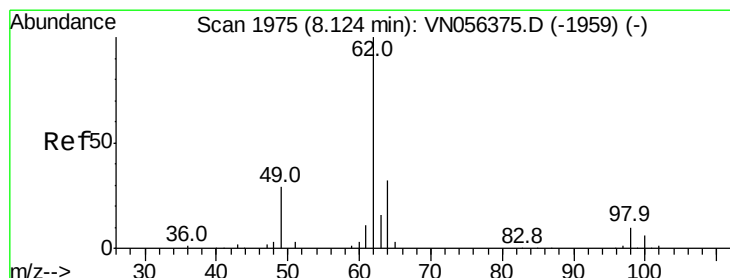
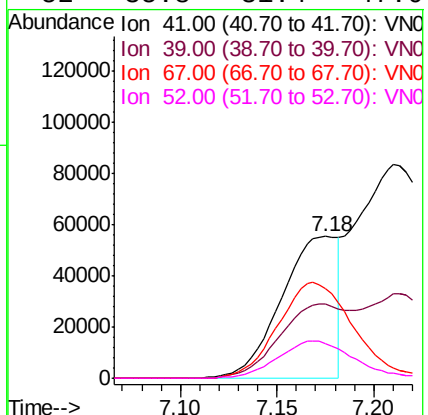
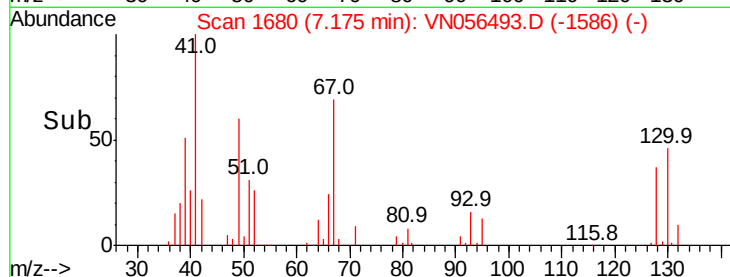
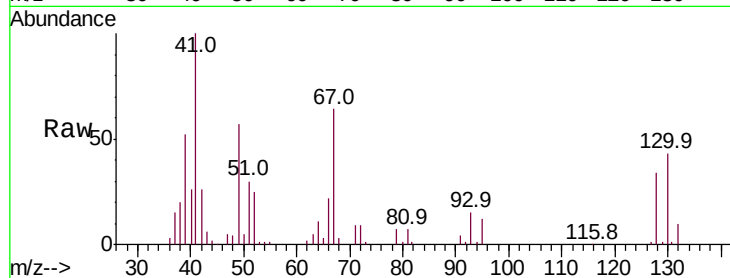
52 35.8 31.4 47.0

Manual Integrations

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#42

1,2-Dichloroethane

Concen: 46.356 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VN056493.D

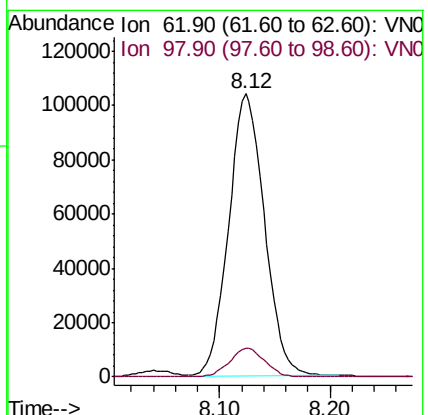
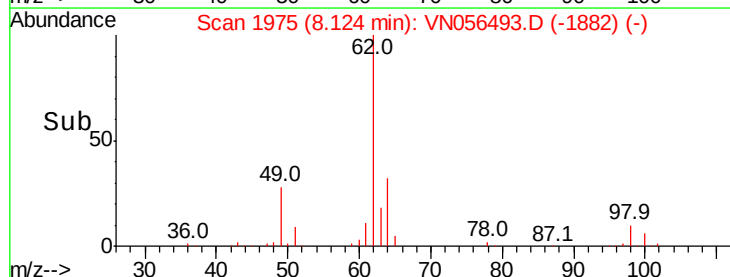
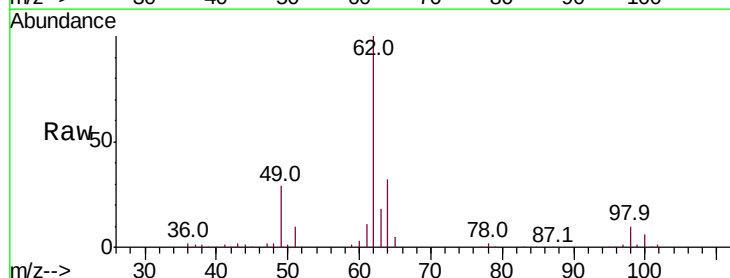
Acq: 25 Jun 2019 17:44

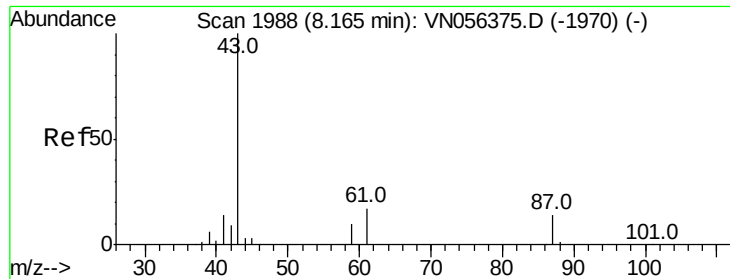
Tgt Ion: 62 Resp: 234663

Ion Ratio Lower Upper

62 100

98 10.0 0.0 19.4





#43

Isopropyl Acetate

Concen: 54.080 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056493.D

Acq: 25 Jun 2019 17:44

Instrument :

MSVOA_N

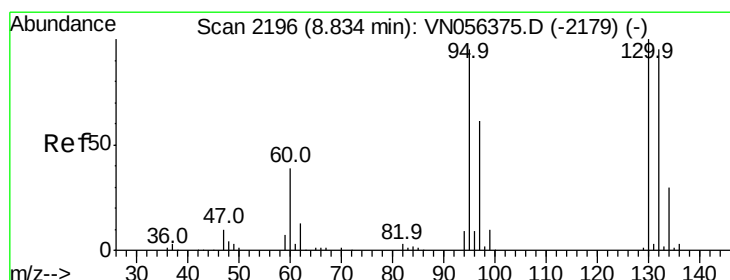
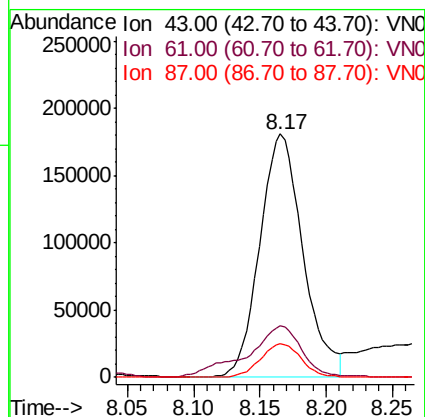
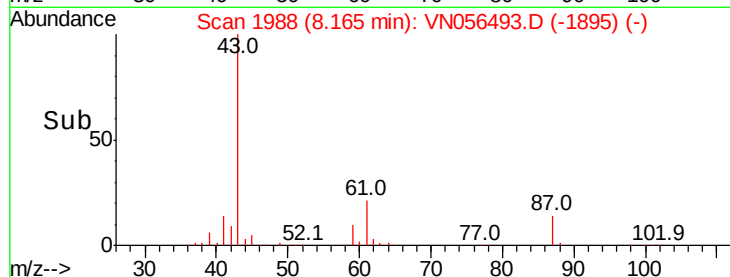
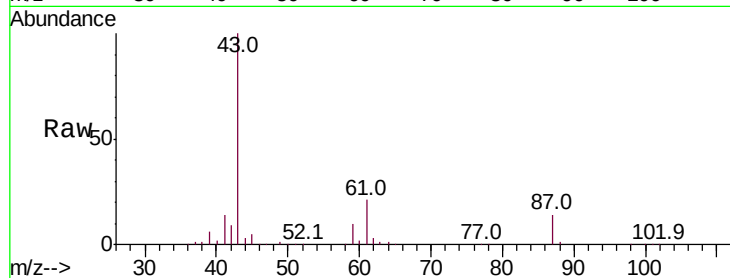
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	408666
Ion	Ratio	Lower	Upper
43	100		
61	26.6	22.0	33.0
87	13.3	11.0	16.4

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#44

Trichloroethene

Concen: 46.522 ug/l

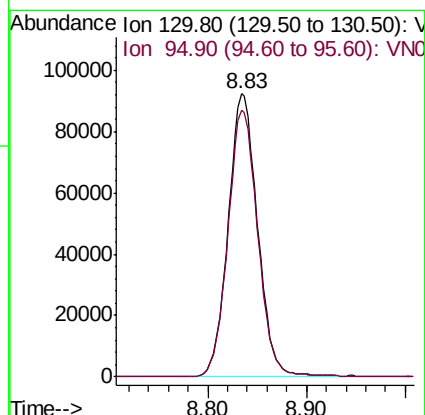
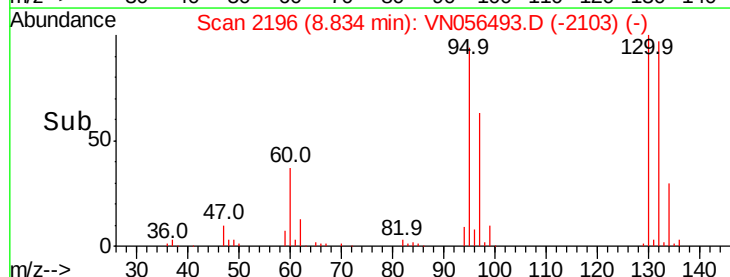
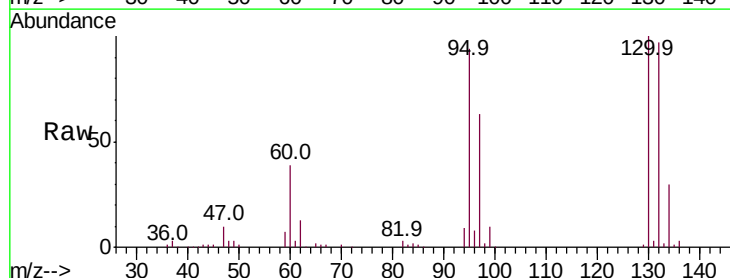
RT: 8.83 min Scan# 2196

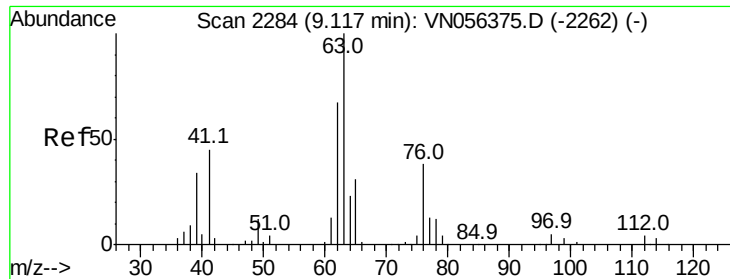
Delta R.T. 0.00 min

Lab File: VN056493.D

Acq: 25 Jun 2019 17:44

Tgt Ion:	130	Resp:	192226
Ion	Ratio	Lower	Upper
130	100		
95	94.4	0.0	191.0





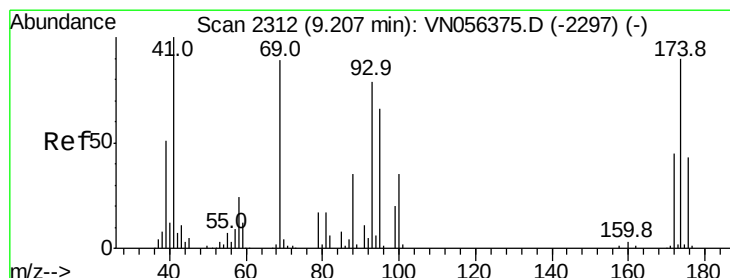
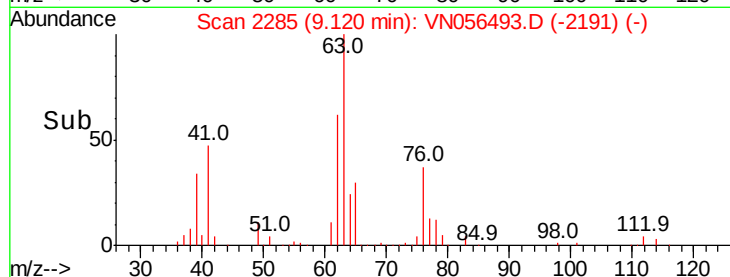
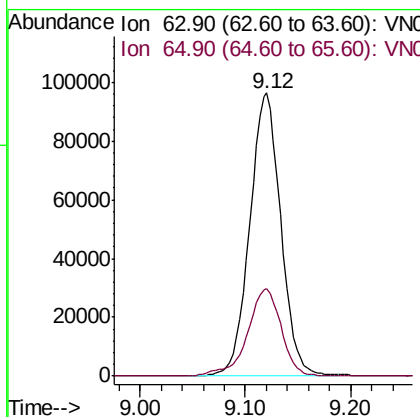
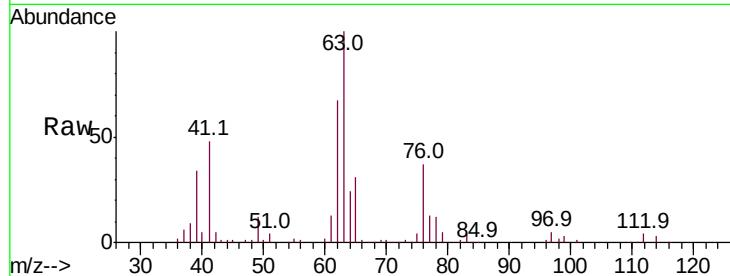
#45
 1,2-Dichloropropane
 Concen: 48.282 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN056493.D
 Acq: 25 Jun 2019 17:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 198064
 Ion Ratio Lower Upper
 63 100
 65 30.7 25.0 37.6

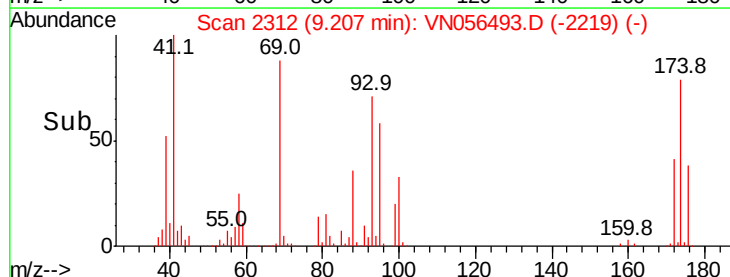
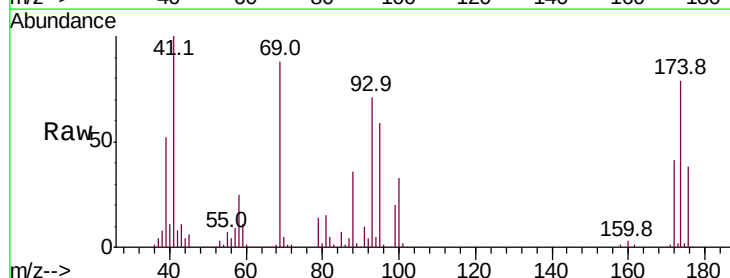
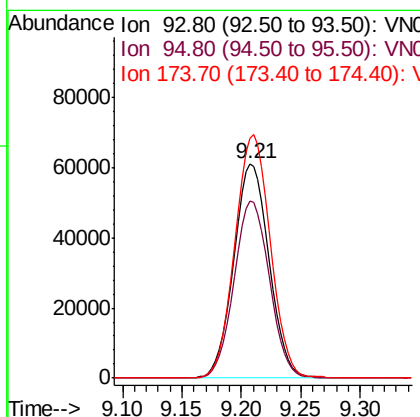
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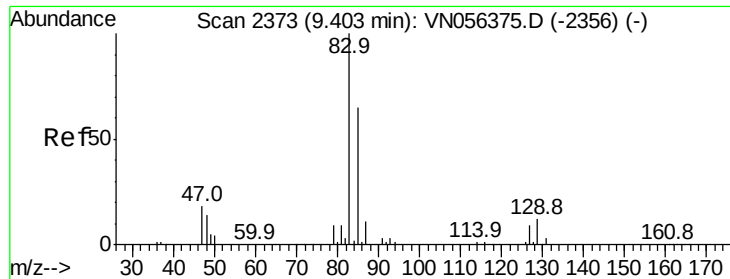
MMDadoda
 6/26/2019 9:28:42 AM



#46
 Dibromomethane
 Concen: 49.067 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056493.D
 Acq: 25 Jun 2019 17:44

Tgt Ion: 93 Resp: 125930
 Ion Ratio Lower Upper
 93 100
 95 82.6 66.2 99.2
 174 113.7 90.8 136.2





#47

Bromodichloromethane

Concen: 51.246 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056493.D

Acq: 25 Jun 2019 17:44

Instrument :

MSVOA_N

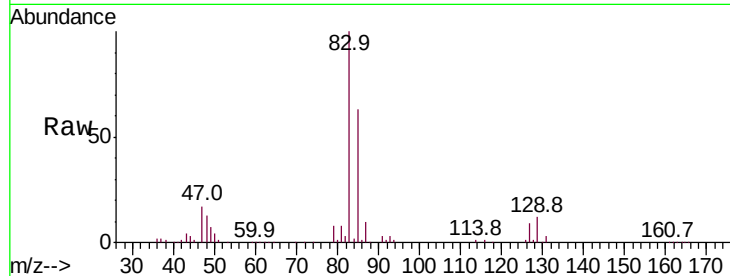
ClientSampleId :

VSTDCCC050EC

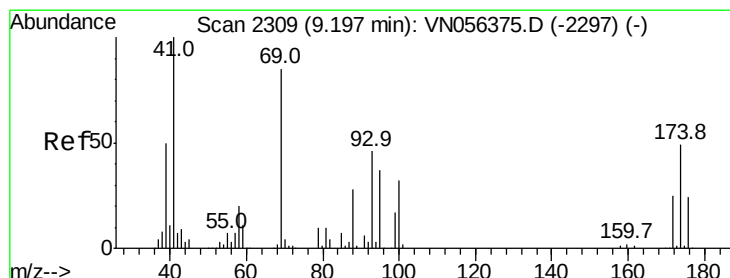
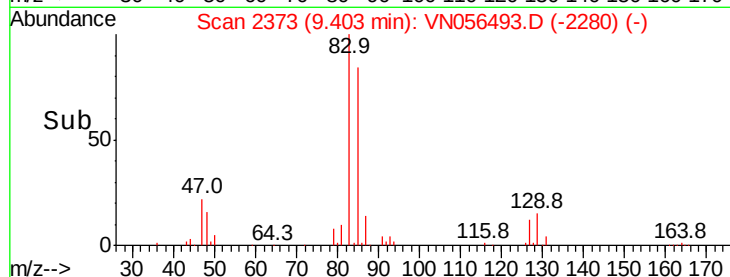
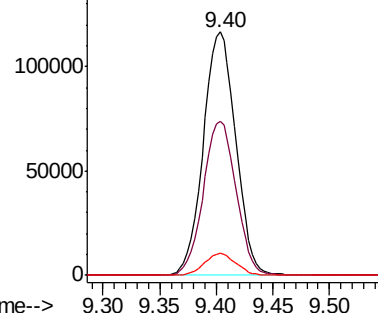
Tot Ion:	83	Resp:	233267
Ion Ratio	Lower	Upper	
83	100		
85	63.3	52.2	78.4
127	8.9	7.3	10.9

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO



#48

Methyl methacrylate

Concen: 49.187 ug/l

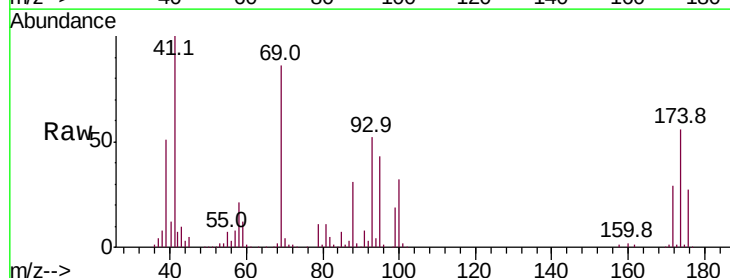
RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

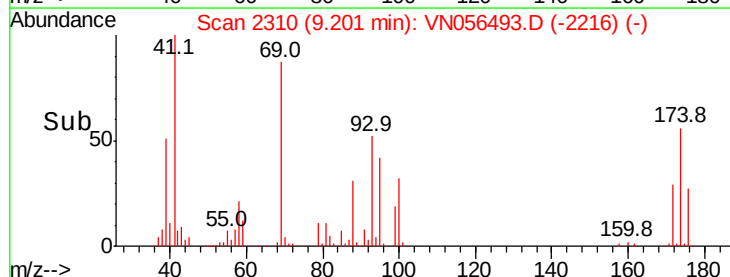
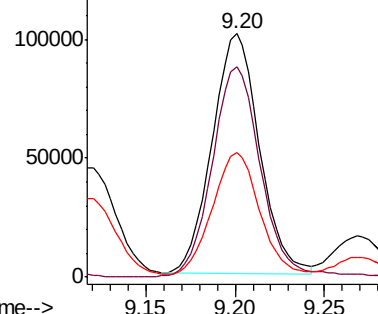
Lab File: VN056493.D

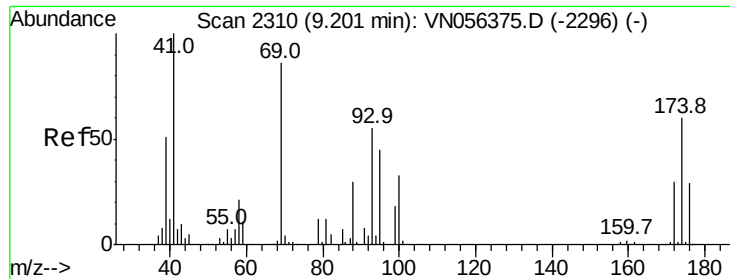
Acq: 25 Jun 2019 17:44

Tgt Ion:	41	Resp:	186262
Ion Ratio	Lower	Upper	
41	100		
69	91.2	72.6	109.0
39	52.9	42.6	63.8



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





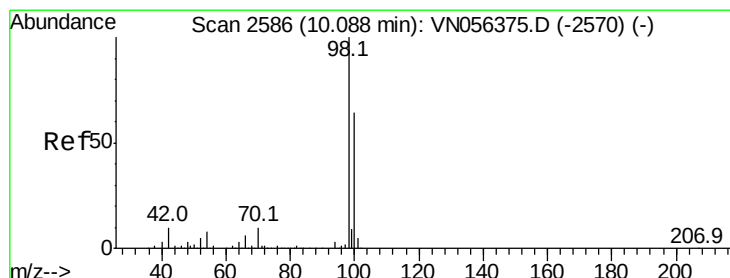
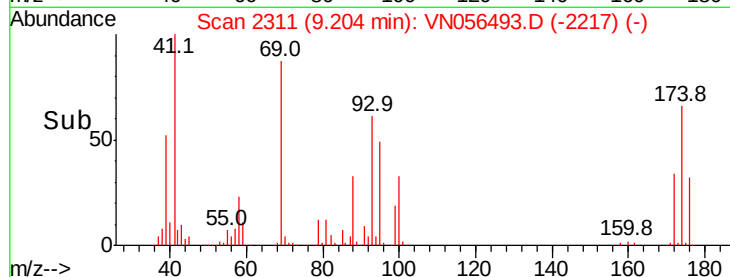
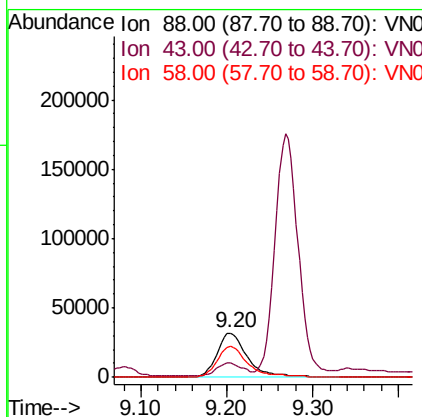
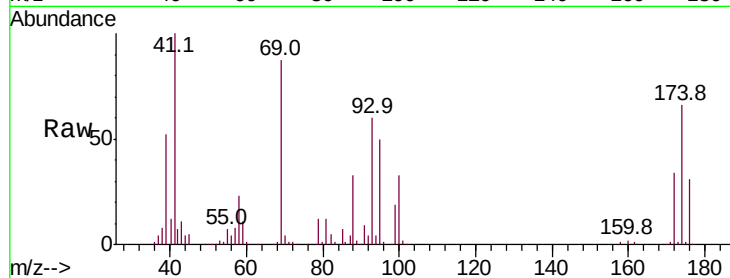
#49
1,4-Dioxane
Concen: 1006.324 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN056493.D
Acq: 25 Jun 2019 17:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	79081
Ion	Ratio	Lower	Upper
88	100		
43	26.0	22.0	33.0
58	72.3	51.8	77.8

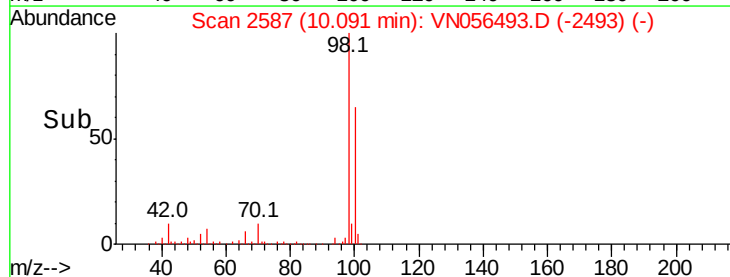
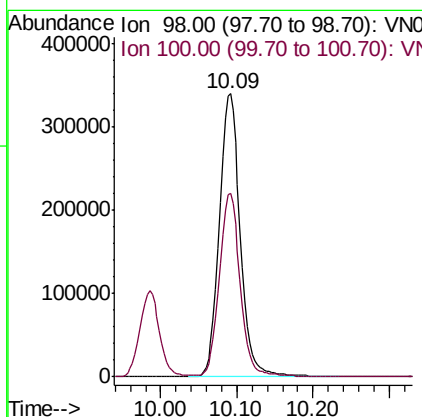
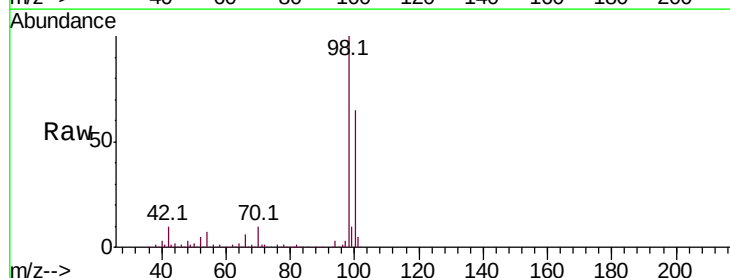
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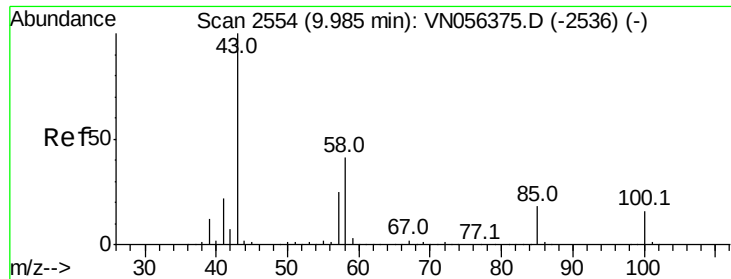
MMDadoda
6/26/2019 9:28:42 AM



#50
Toluene-d8
Concen: 47.126 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN056493.D
Acq: 25 Jun 2019 17:44

Tgt Ion	98	Resp	648106
Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 252.741 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056493.D

Acq: 25 Jun 2019 17:44

Tot Ion: 43 Resp: 1232700

Ion Ratio Lower Upper

43 100

58 39.7 31.8 47.8

Instrument :

MSVOA_N

ClientSampleId :

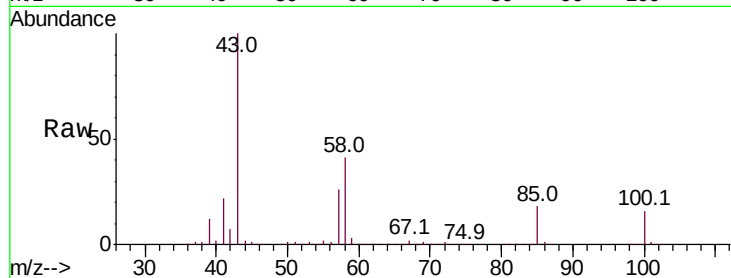
VSTDCCC050EC

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

600000

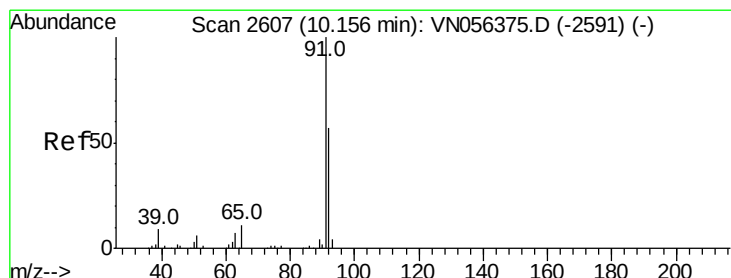
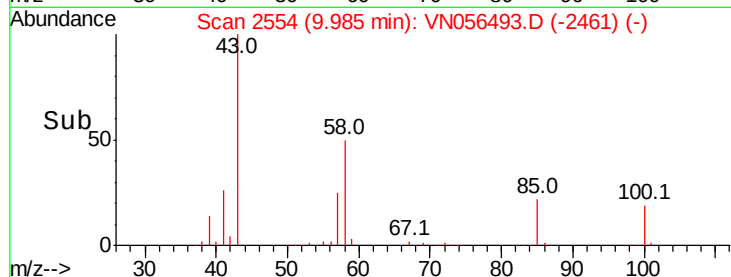
400000

200000

0

Time-->

9.90 10.00 10.10



#52

Toluene

Concen: 47.004 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056493.D

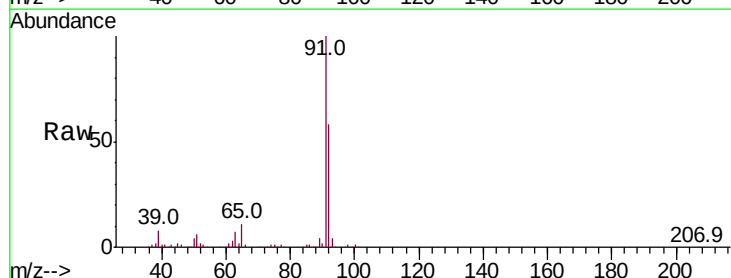
Acq: 25 Jun 2019 17:44

Tgt Ion: 92 Resp: 440804

Ion Ratio Lower Upper

92 100

91 174.1 140.6 211.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.16

400000

300000

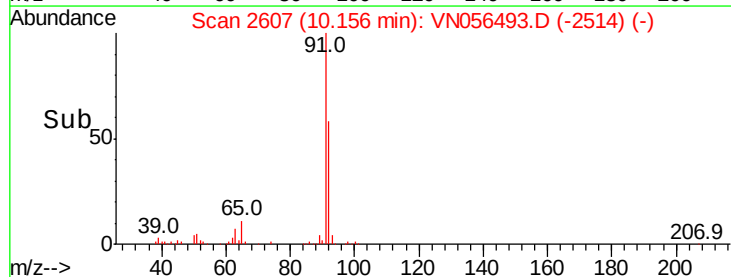
200000

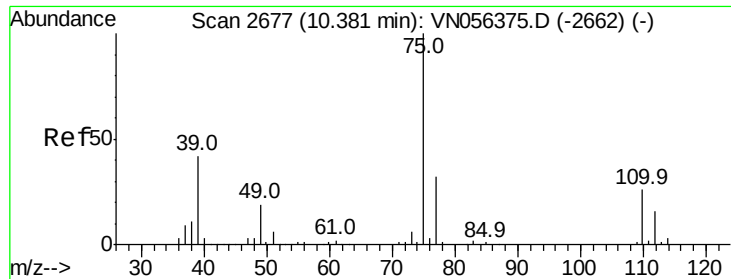
100000

0

Time-->

10.10 10.20 10.30





#53

t-1,3-Dichloropropene

Concen: 47.344 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN056493.D

Acq: 25 Jun 2019 17:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 250135

Ion Ratio Lower Upper

75 100

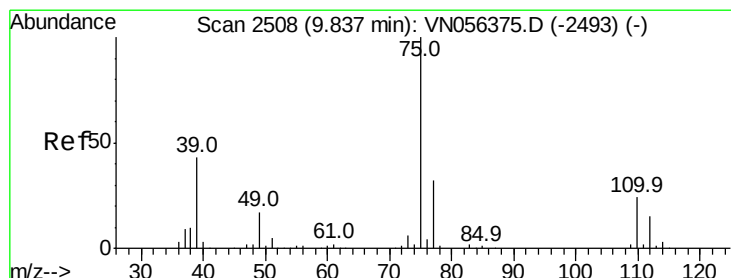
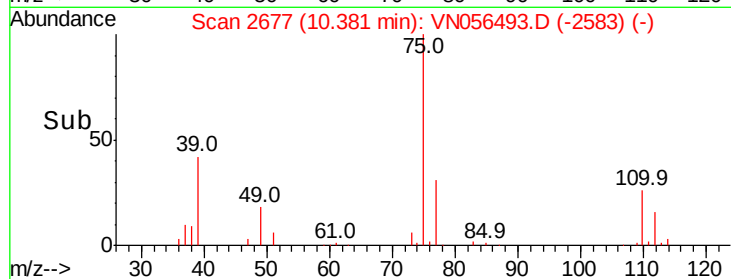
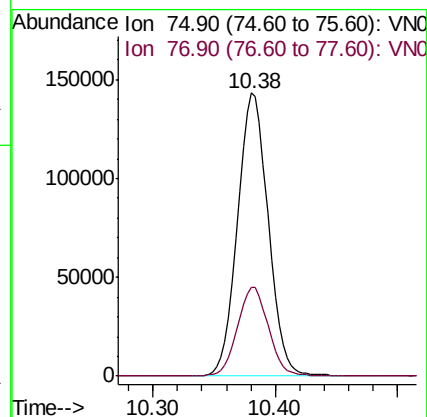
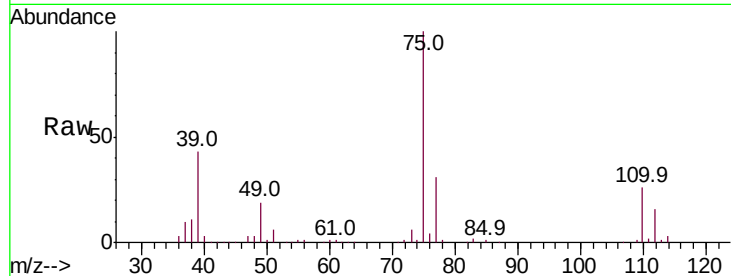
77 31.3 25.4 38.2

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#54

cis-1,3-Dichloropropene

Concen: 52.899 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN056493.D

Acq: 25 Jun 2019 17:44

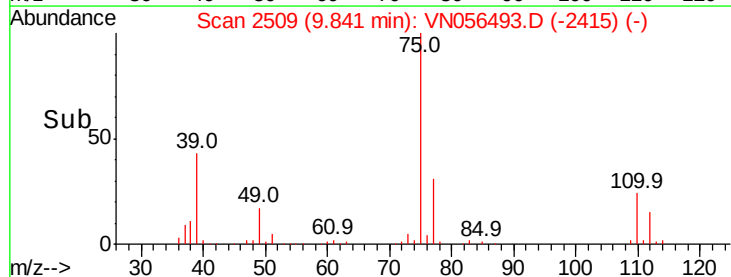
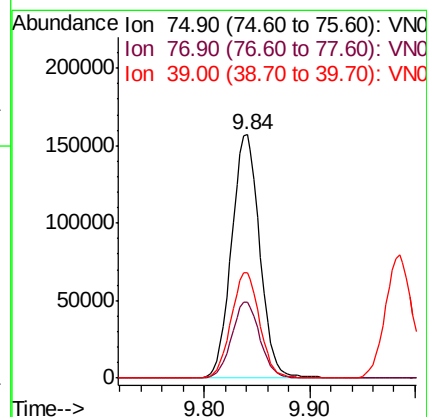
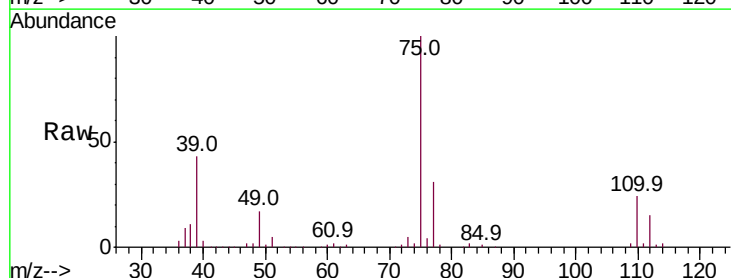
Tgt Ion: 75 Resp: 289968

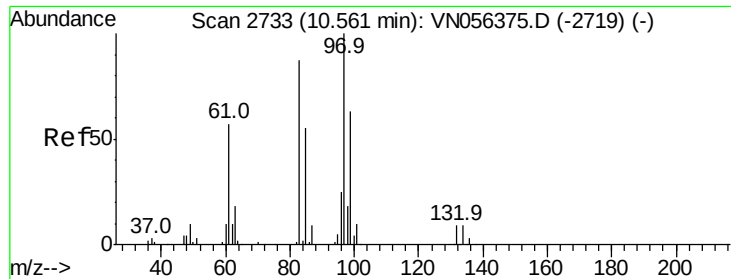
Ion Ratio Lower Upper

75 100

77 31.4 25.2 37.8

39 43.4 34.2 51.4





#55

1,1,2-Trichloroethane

Concen: 49.347 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN056493.D

Acq: 25 Jun 2019 17:44

Instrument :

MSVOA_N

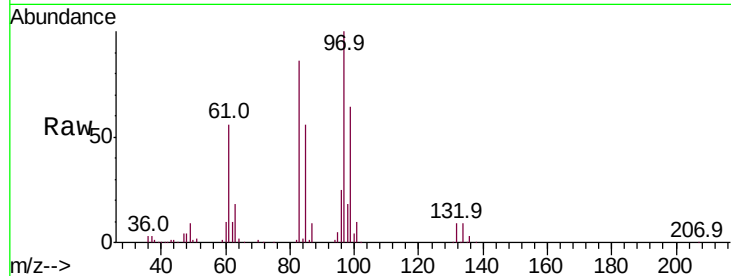
ClientSampleId :

VSTDCCC050EC

Tot Ion	97	Resp	186015
Ion Ratio	Lower	Upper	
97	100		
83	86.1	69.8	104.6
85	56.0	43.8	65.8
99	63.6	50.2	75.2

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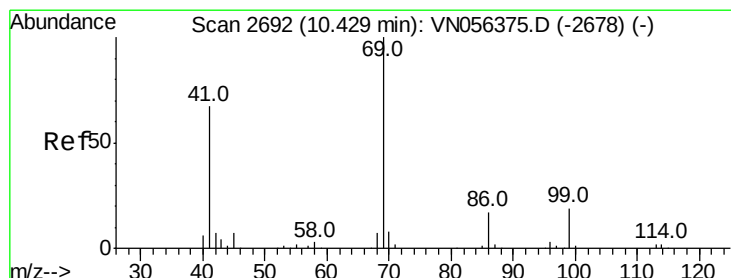
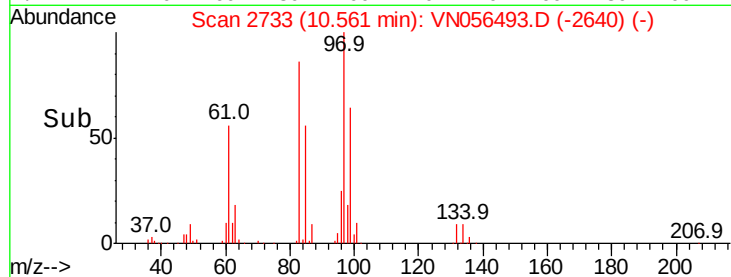
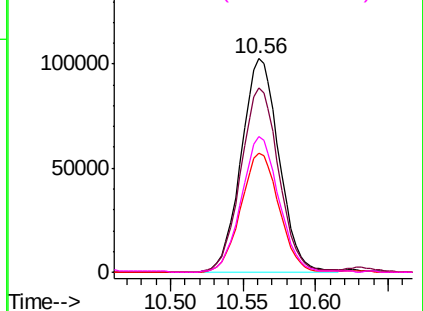
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 51.895 ug/l

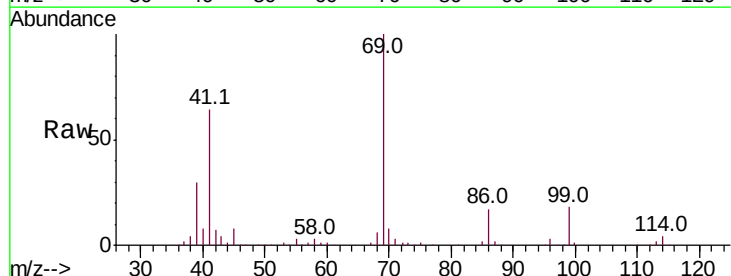
RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN056493.D

Acq: 25 Jun 2019 17:44

Tgt Ion	69	Resp	285883
Ion Ratio	Lower	Upper	
69	100		
41	64.1	51.4	77.2
39	30.3	24.7	37.1

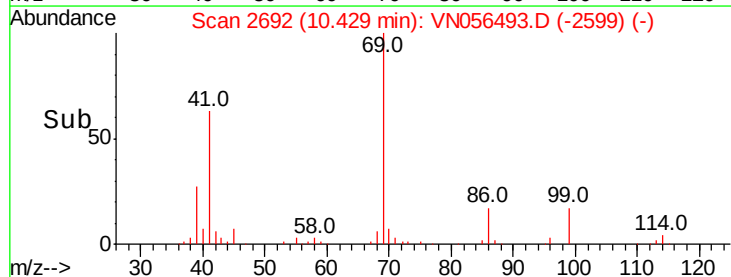
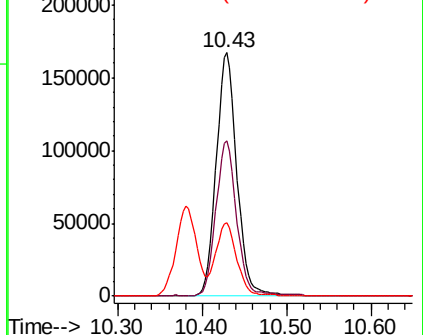


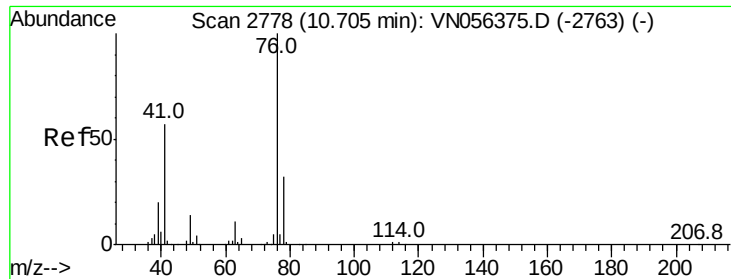
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





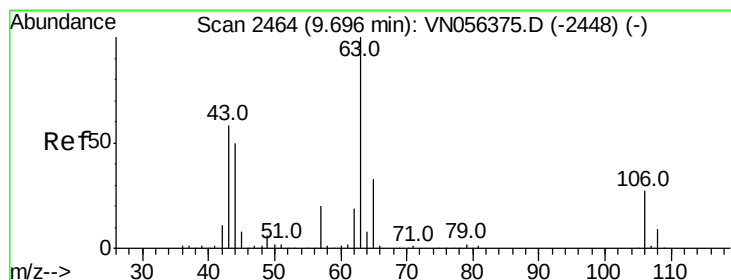
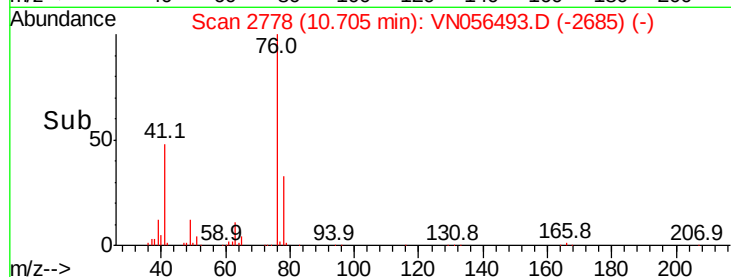
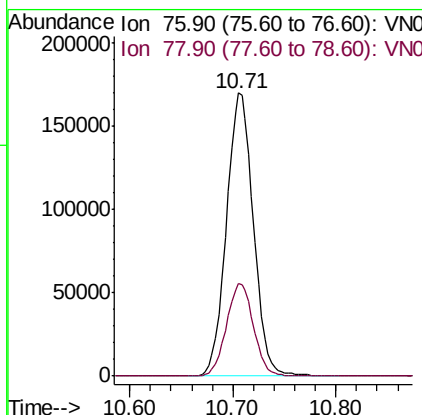
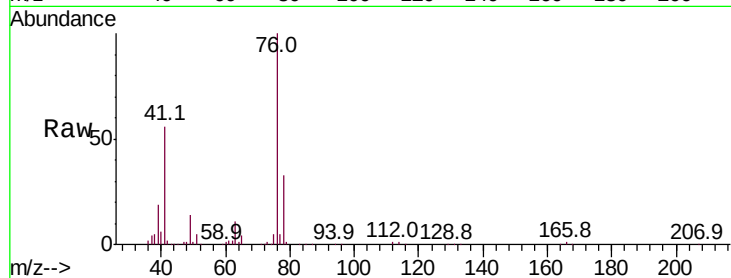
#57
 1,3-Dichloropropane
 Concen: 48.868 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN056493.D
 Acq: 25 Jun 2019 17:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 309461
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.9 38.9

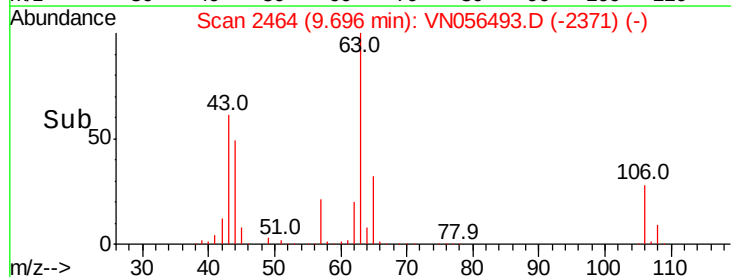
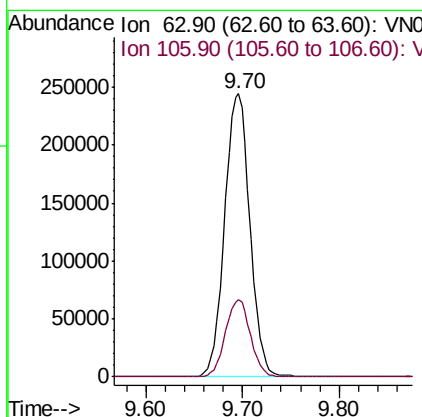
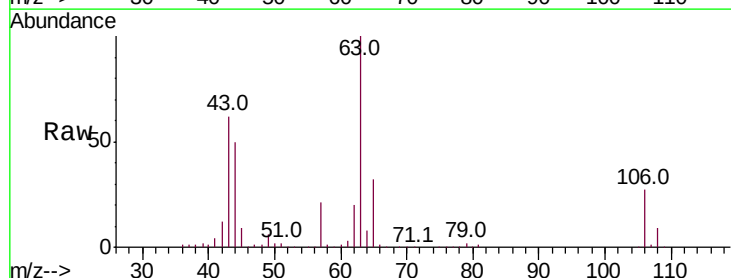
Manual Integrations
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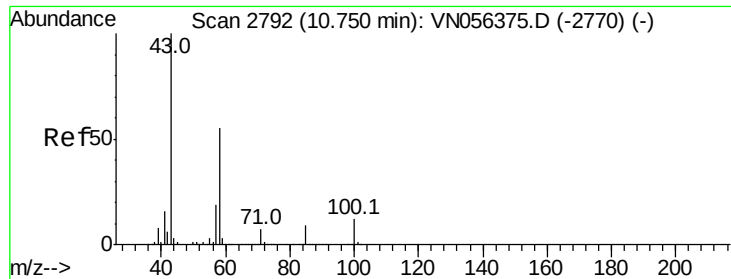
MMDadoda
 6/26/2019 9:28:42 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 223.863 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN056493.D
 Acq: 25 Jun 2019 17:44

Tgt Ion: 63 Resp: 443044
 Ion Ratio Lower Upper
 63 100
 106 27.0 21.6 32.4





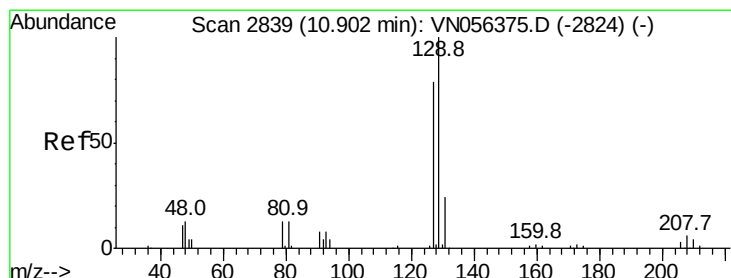
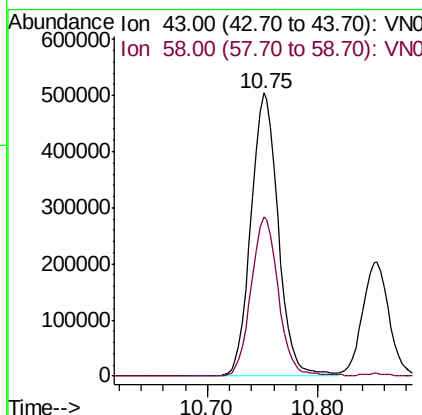
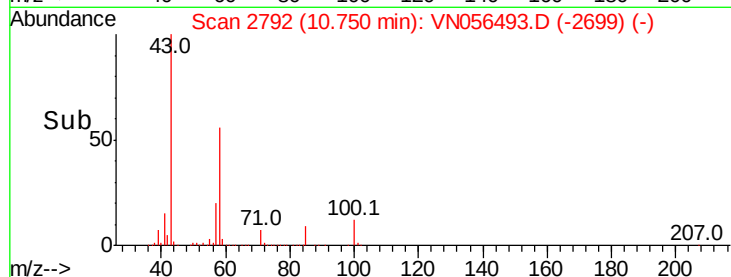
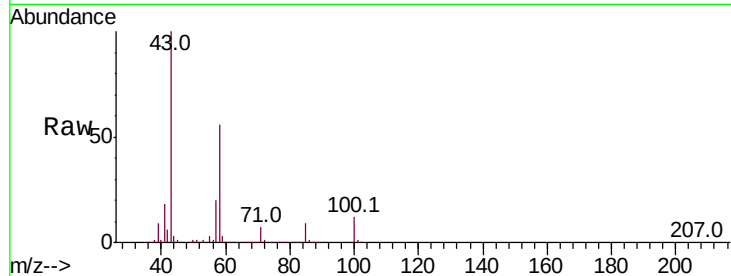
#59
2-Hexanone
Concen: 240.757 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN056493.D
Acq: 25 Jun 2019 17:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 863036
Ion Ratio Lower Upper
43 100
58 56.3 27.8 83.4

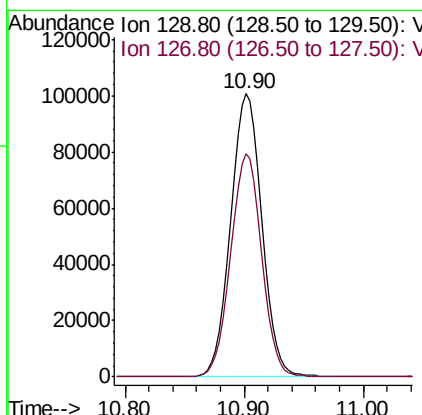
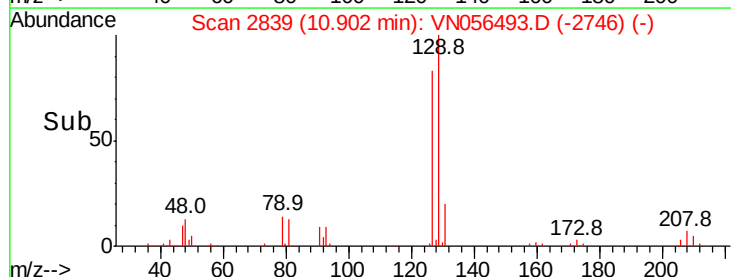
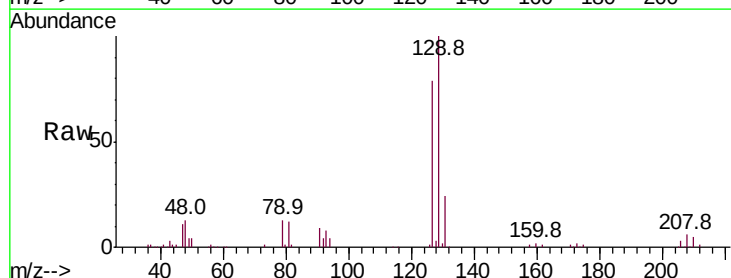
Manual Integrations
APPROVED

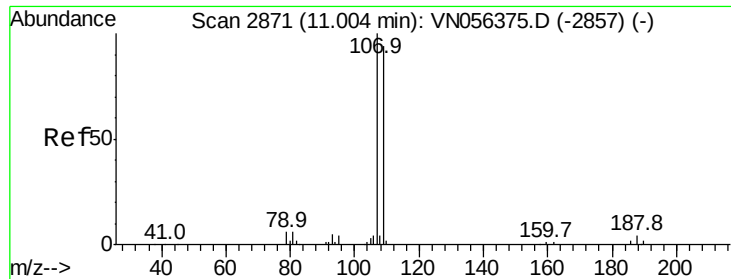
MMDadoda
6/26/2019 9:28:42 AM



#60
Dibromochloromethane
Concen: 47.417 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056493.D
Acq: 25 Jun 2019 17:44

Tgt Ion: 129 Resp: 183222
Ion Ratio Lower Upper
129 100
127 78.2 38.9 116.7





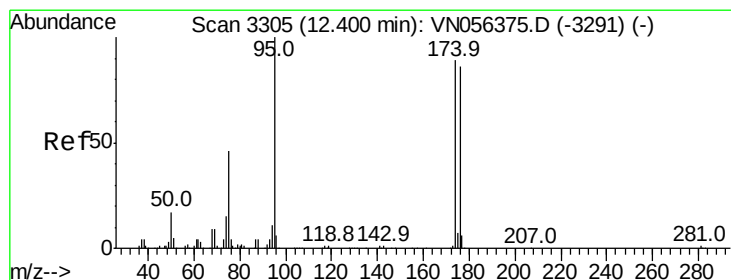
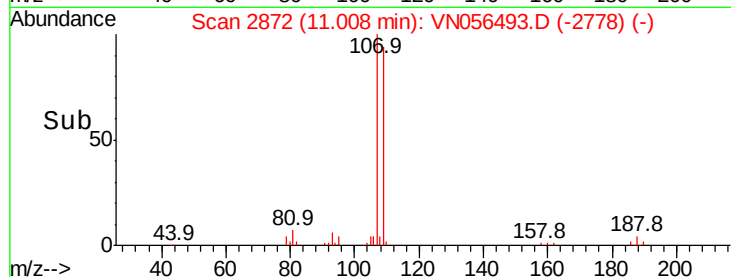
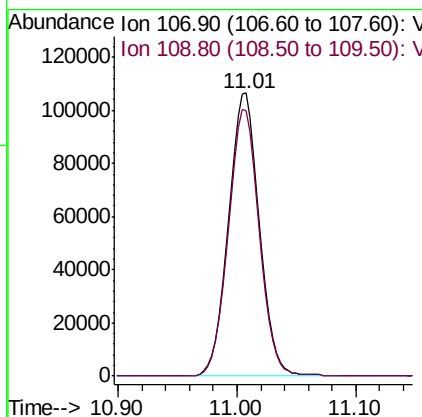
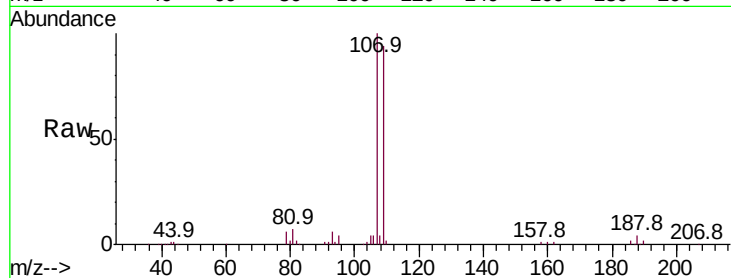
#61
 1,2-Dibromoethane
 Concen: 49.576 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN056493.D
 Acq: 25 Jun 2019 17:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 107 Resp: 190867
 Ion Ratio Lower Upper
 107 100
 109 94.7 75.3 112.9

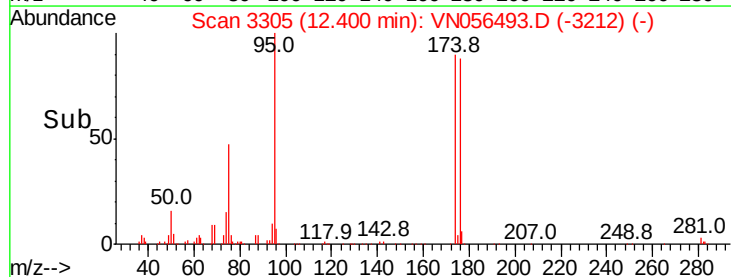
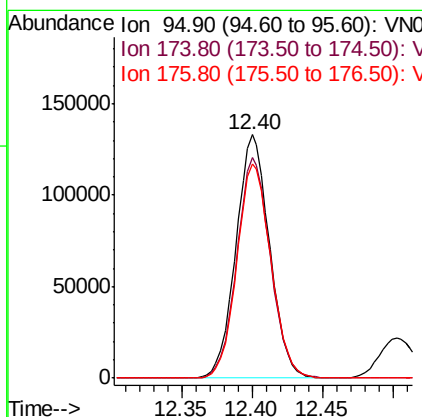
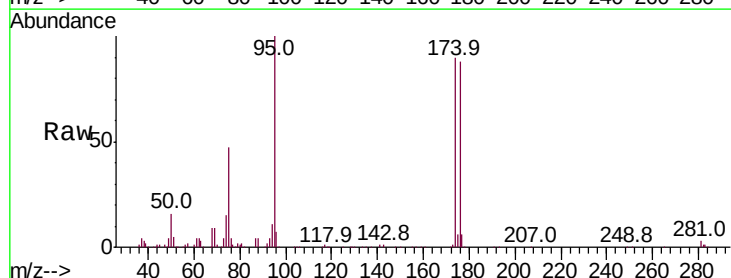
Manual Integrations
 APPROVED

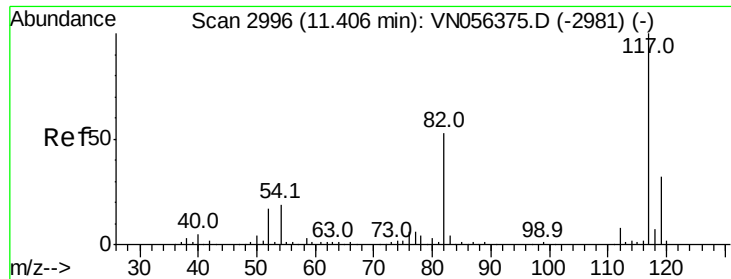
MMDadoda
 6/26/2019 9:28:42 AM



#62
 4-Bromofluorobenzene
 Concen: 48.403 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN056493.D
 Acq: 25 Jun 2019 17:44

Tgt Ion: 95 Resp: 221902
 Ion Ratio Lower Upper
 95 100
 174 90.5 0.0 179.4
 176 89.1 0.0 173.4





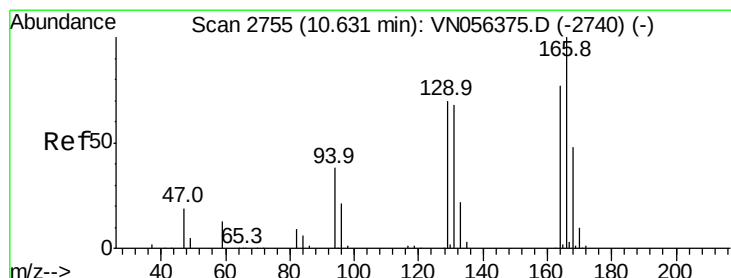
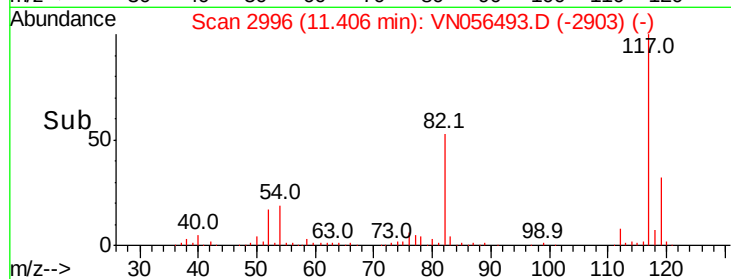
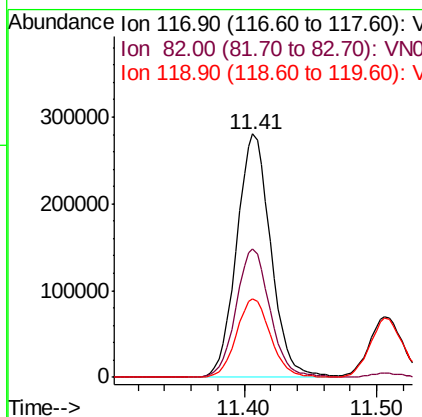
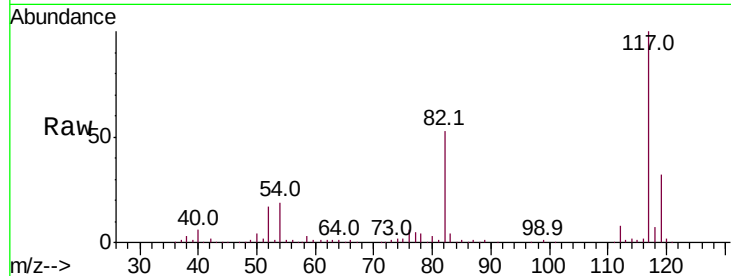
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056493.D
Acq: 25 Jun 2019 17:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.0	42.0	63.0
119	32.3	25.3	37.9

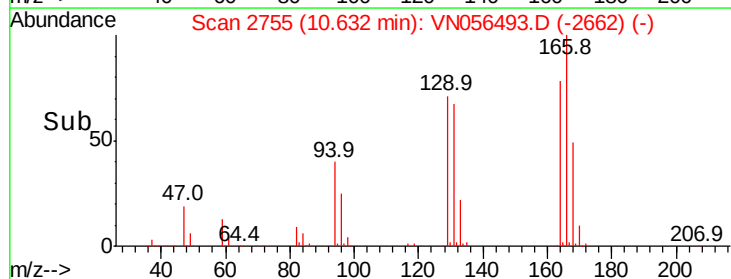
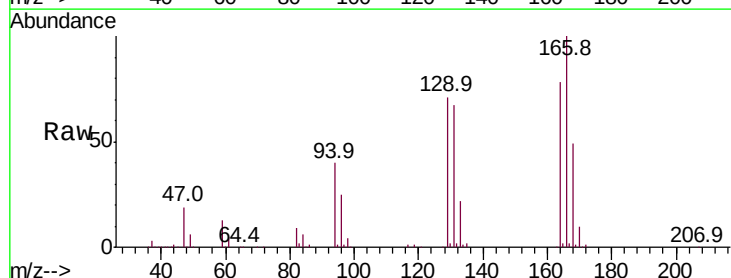
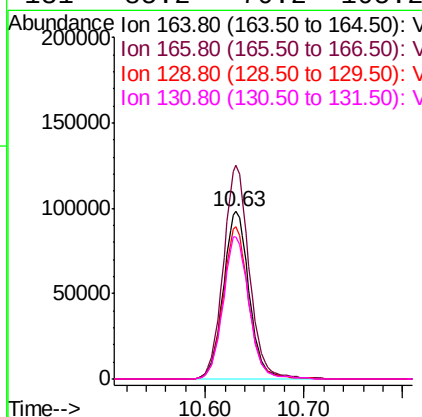
Manual Integrations
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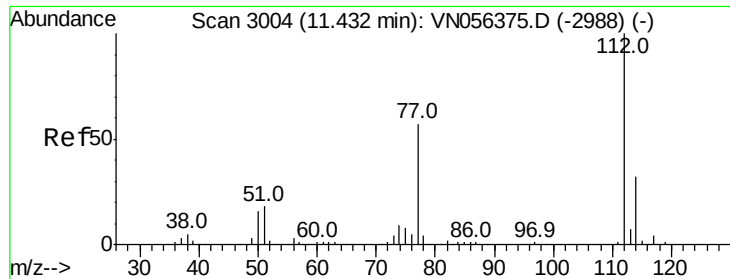
MMDadoda
6/26/2019 9:28:42 AM



#64
Tetrachloroethene
Concen: 45.388 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056493.D
Acq: 25 Jun 2019 17:44

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.5	103.4	155.0
129	90.6	72.0	108.0
131	85.2	70.2	105.2





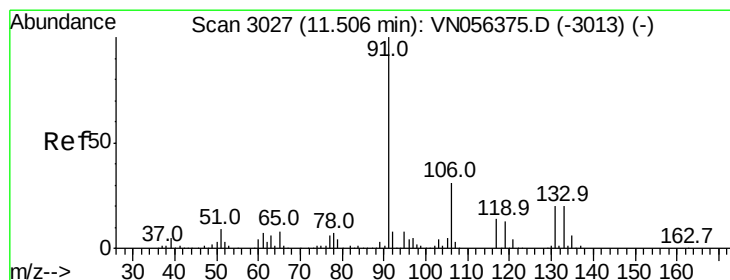
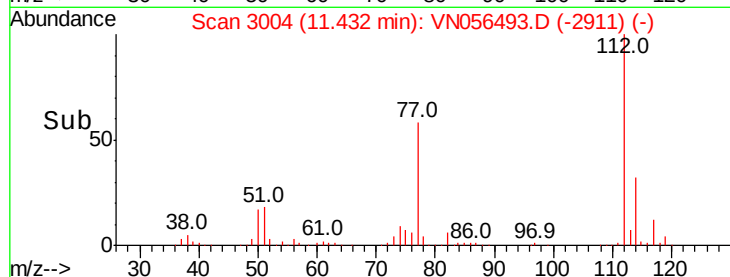
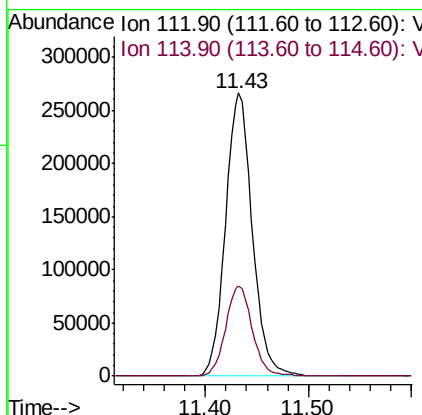
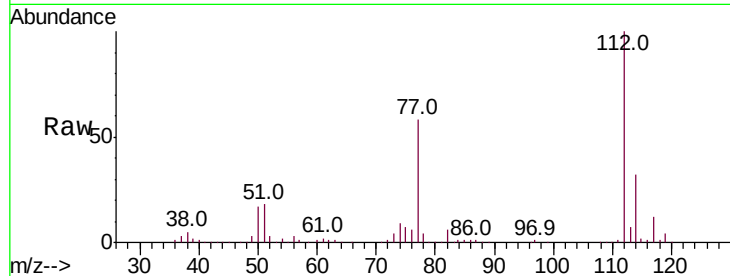
#65
Chlorobenzene
Concen: 47.678 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056493.D
Acq: 25 Jun 2019 17:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 480747
Ion Ratio Lower Upper
112 100
114 31.9 25.4 38.2

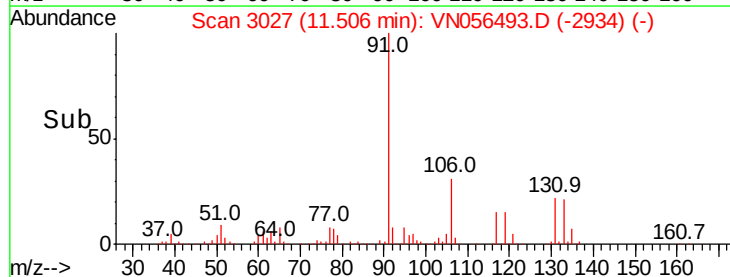
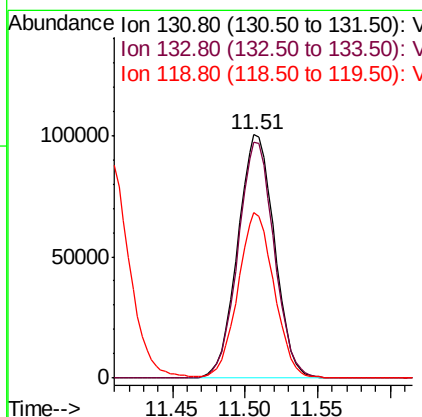
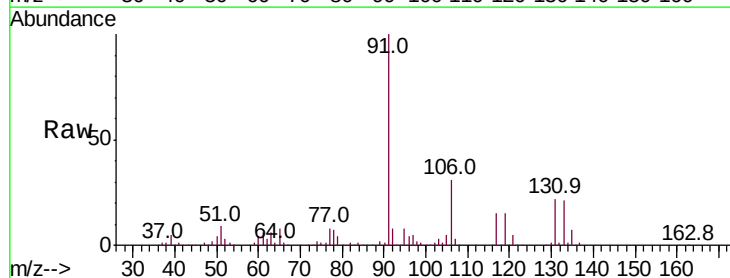
Manual Integrations
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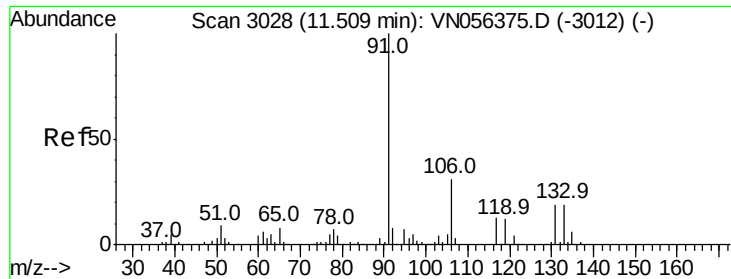
MMDadoda
6/26/2019 9:28:42 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.817 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN056493.D
Acq: 25 Jun 2019 17:44

Tgt Ion:131 Resp: 176586
Ion Ratio Lower Upper
131 100
133 95.7 47.4 142.2
119 66.8 32.8 98.4





#67

Ethyl Benzene

Concen: 47.234 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN056493.D

Acq: 25 Jun 2019 17:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 836266

Ion Ratio Lower Upper

91 100

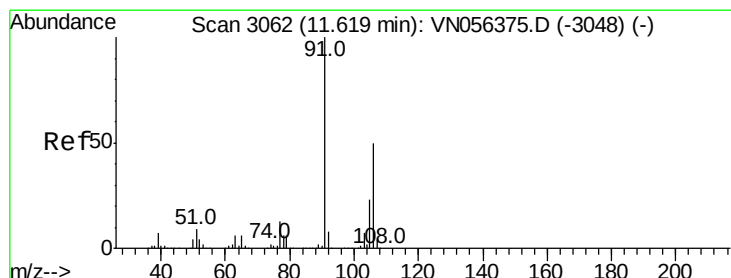
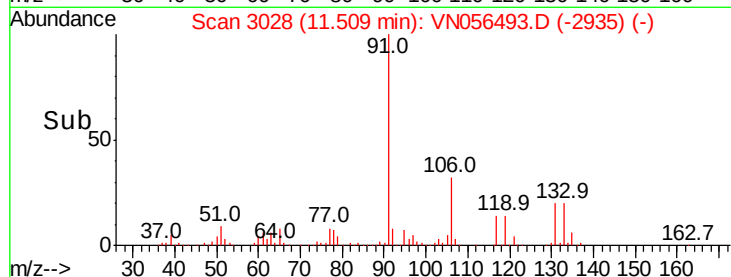
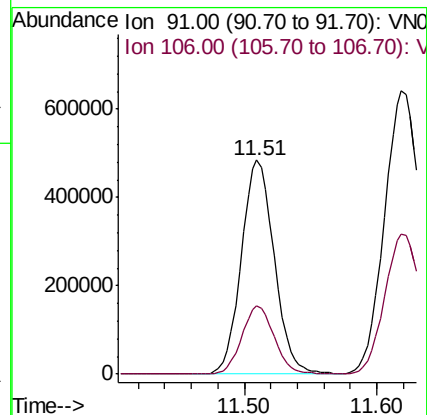
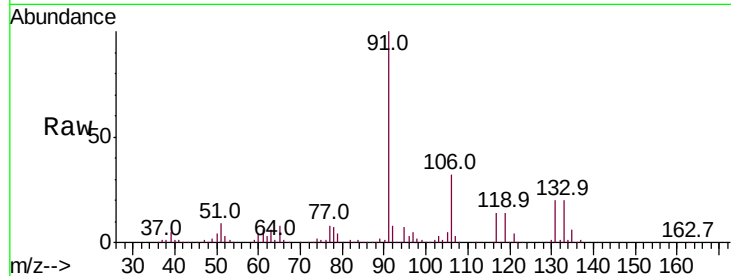
106 31.7 25.1 37.7

Manual Integrations

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6/26/2019 9:28:42 AM



#68

m/p-Xylenes

Concen: 95.440 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN056493.D

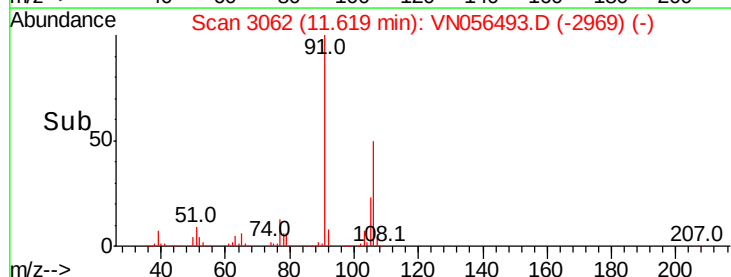
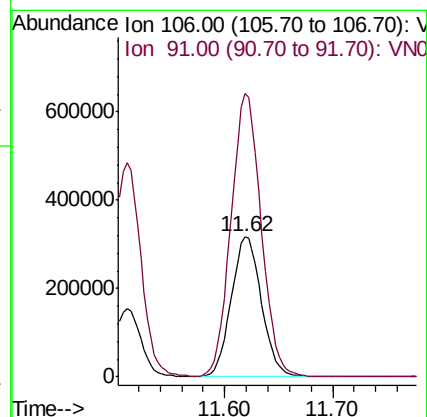
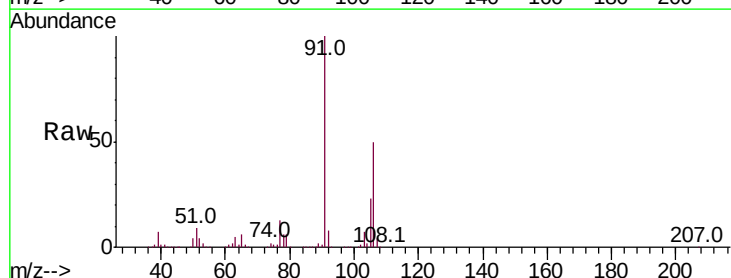
Acq: 25 Jun 2019 17:44

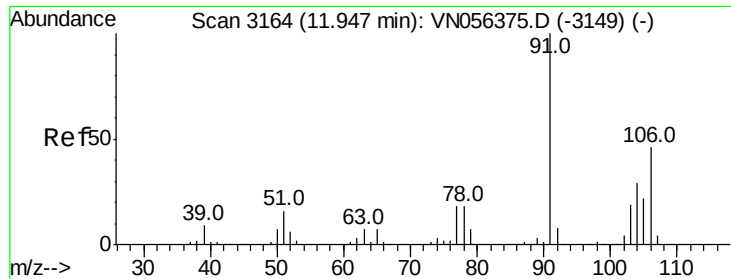
Tgt Ion: 106 Resp: 619253

Ion Ratio Lower Upper

106 100

91 201.6 160.1 240.1





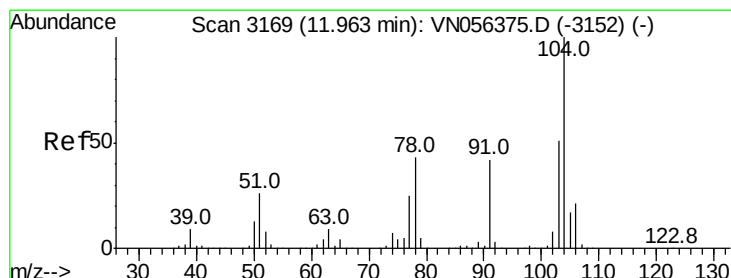
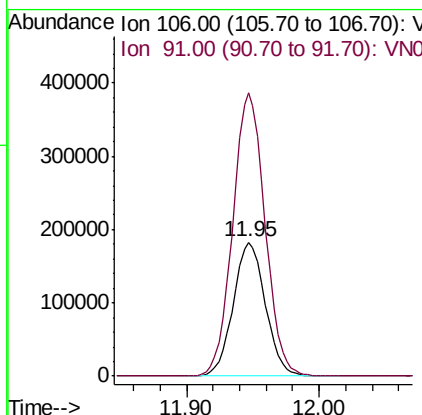
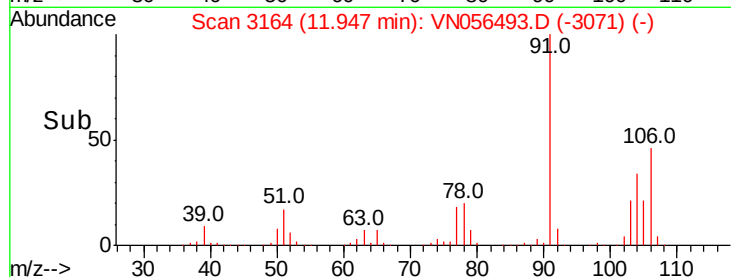
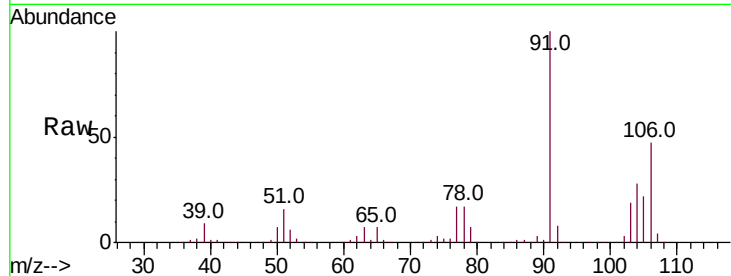
#69
o-Xylene
Concen: 47.812 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056493.D
Acq: 25 Jun 2019 17:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 306915
Ion Ratio Lower Upper
106 100
91 212.1 107.1 321.3

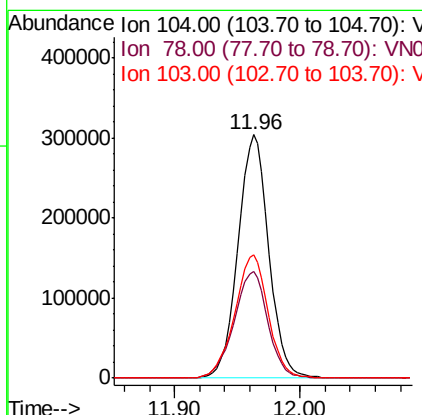
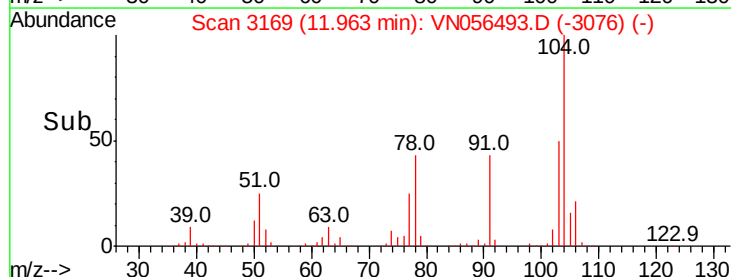
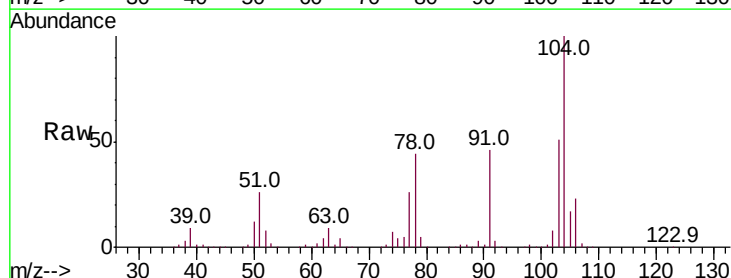
Manual Integrations
APPROVED

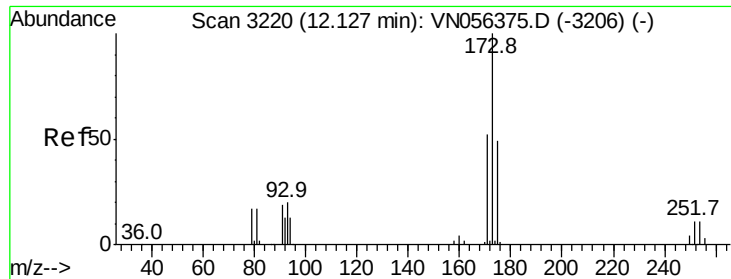
MMDadoda
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#70
Styrene
Concen: 50.430 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056493.D
Acq: 25 Jun 2019 17:44

Tgt Ion:104 Resp: 517441
Ion Ratio Lower Upper
104 100
78 48.1 38.6 57.8
103 54.9 43.9 65.9





#71

Bromoform

Concen: 47.303 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN056493.D

Acq: 25 Jun 2019 17:44

Instrument :

MSVOA_N

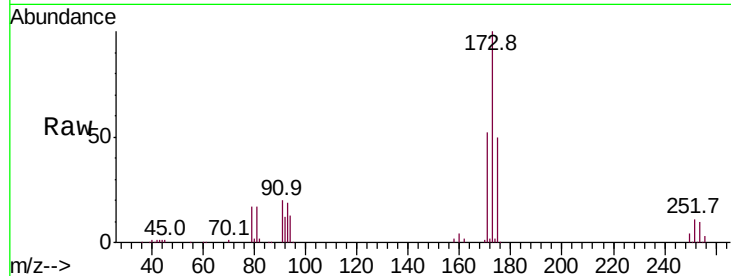
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.7	24.4	73.4
254	0.0	0.0	0.0#

Manual Integrations
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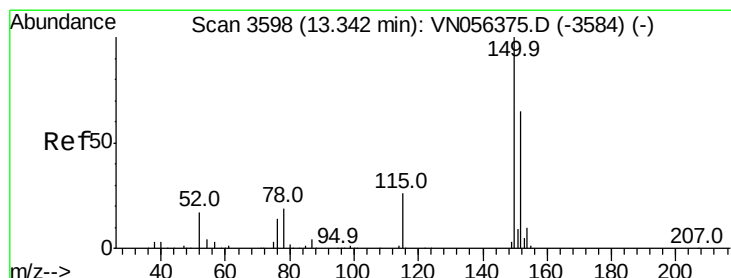
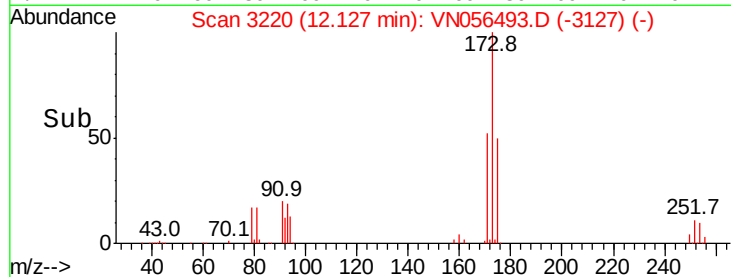
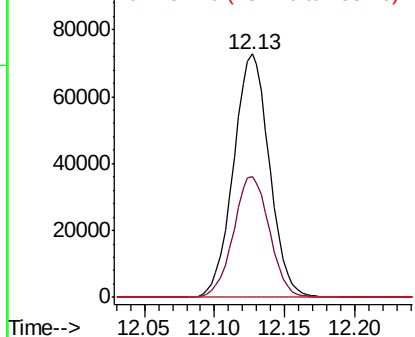


Abundance

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

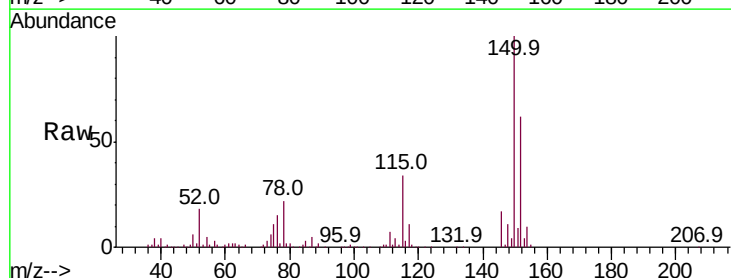
RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN056493.D

Acq: 25 Jun 2019 17:44

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.9	28.1	84.4
150	172.8	0.0	348.4

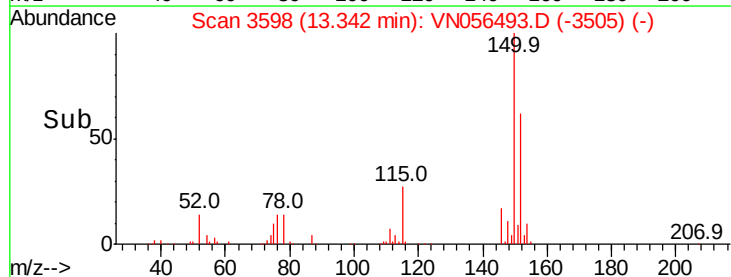
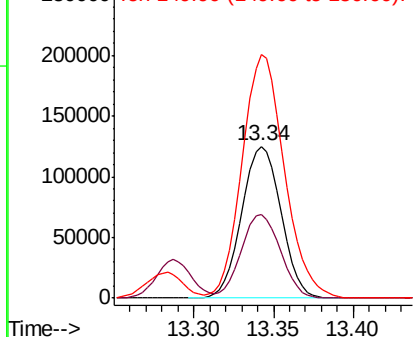


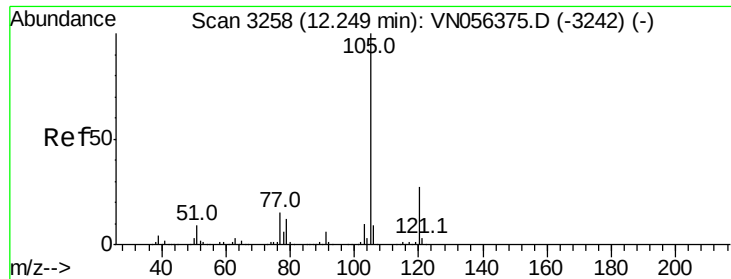
Abundance

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





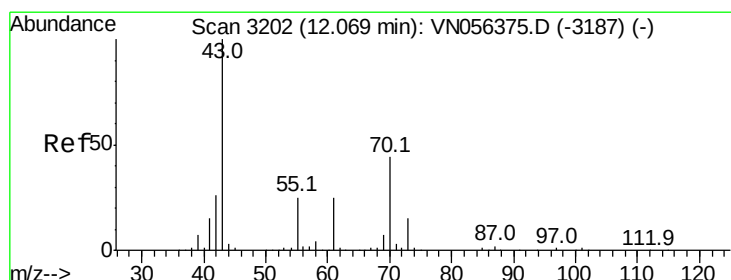
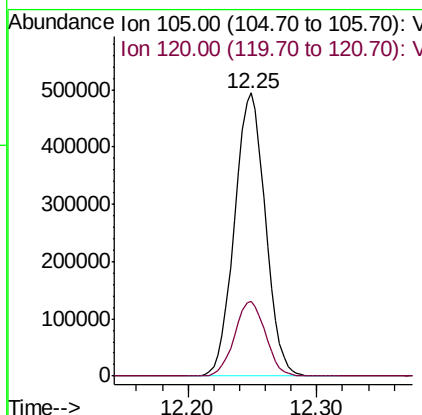
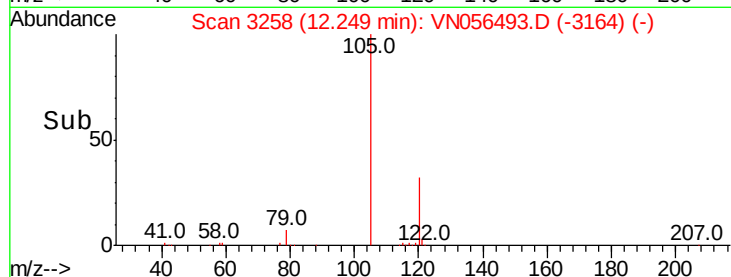
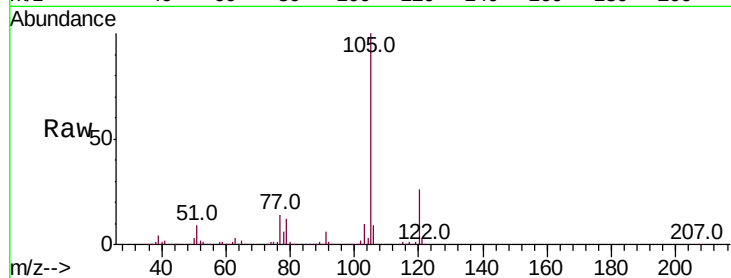
#73
Isopropylbenzene
Concen: 52.272 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN056493.D
Acq: 25 Jun 2019 17:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:105 Resp: 820993
Ion Ratio Lower Upper
105 100
120 26.5 13.4 40.2

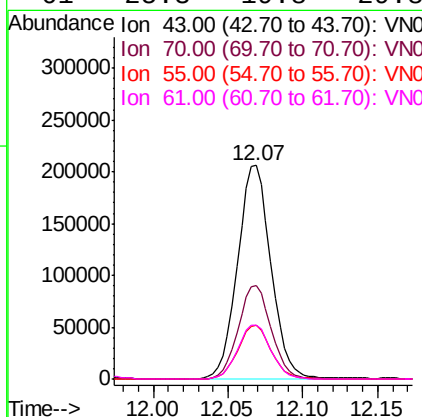
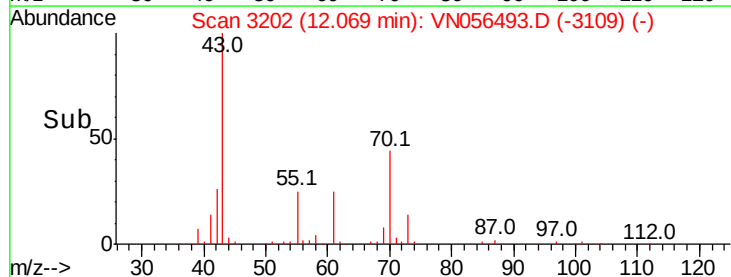
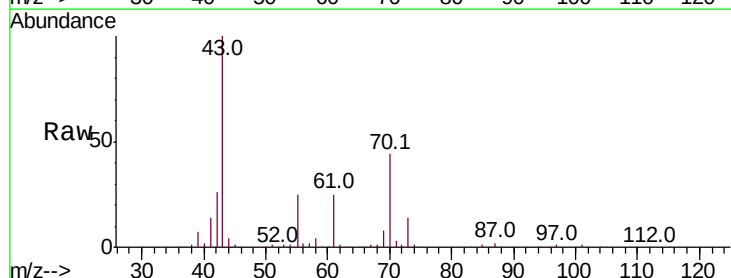
Manual Integrations
APPROVED

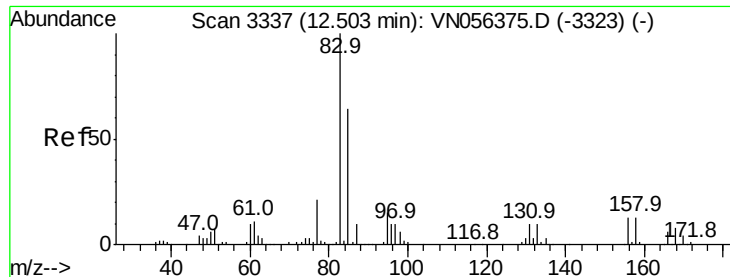
MMDadoda
6/26/2019 9:28:42 AM



#74
N-ethyl acetate
Concen: 47.810 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN056493.D
Acq: 25 Jun 2019 17:44

Tgt Ion: 43 Resp: 318924
Ion Ratio Lower Upper
43 100
70 43.6 34.9 52.3
55 25.2 20.4 30.6
61 25.3 19.8 29.8





#75

1,1,2,2-Tetrachloroethane

Concen: 53.711 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056493.D

Acq: 25 Jun 2019 17:44

Instrument :

MSVOA_N

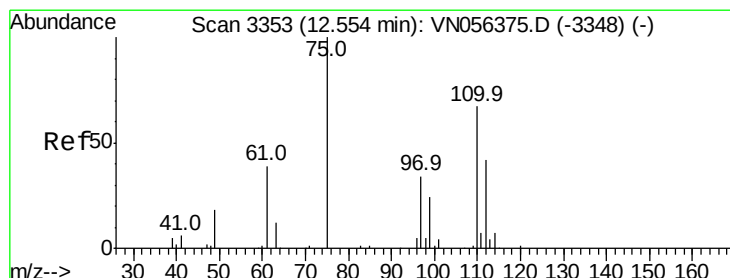
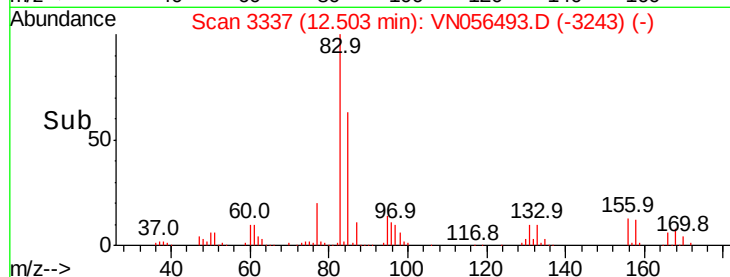
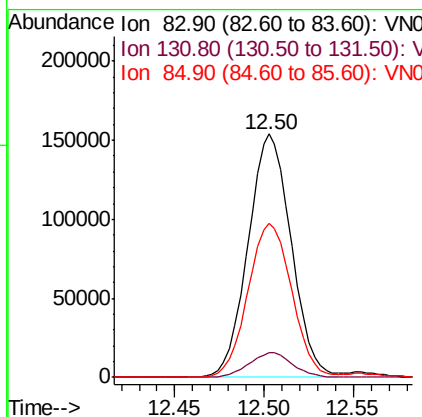
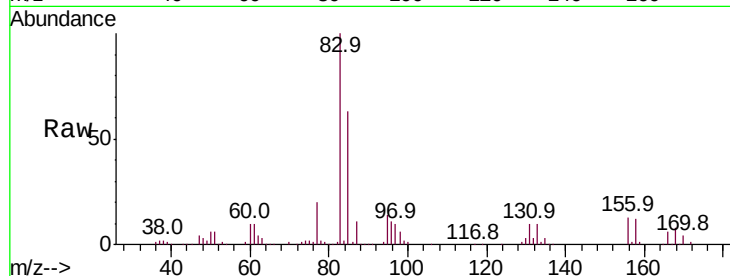
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	260658
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.3	15.8
85	64.3	32.4	97.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 52.623 ug/l m

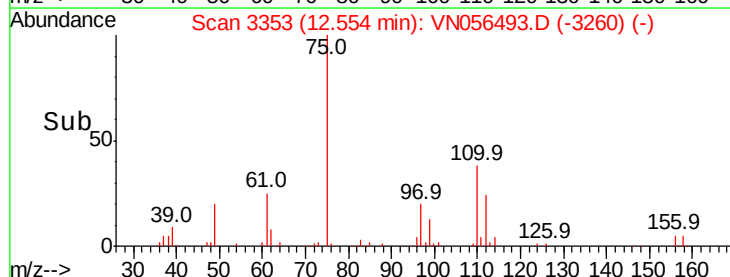
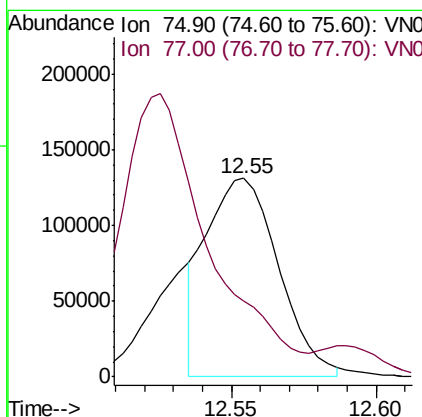
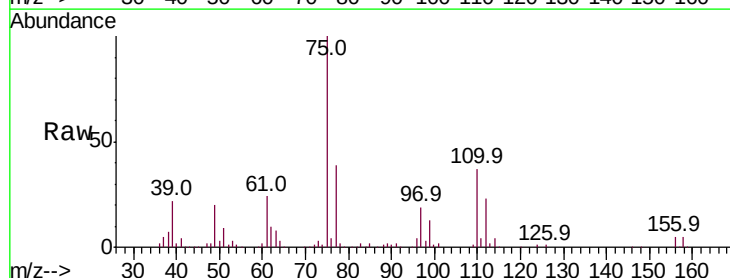
RT: 12.55 min Scan# 3353

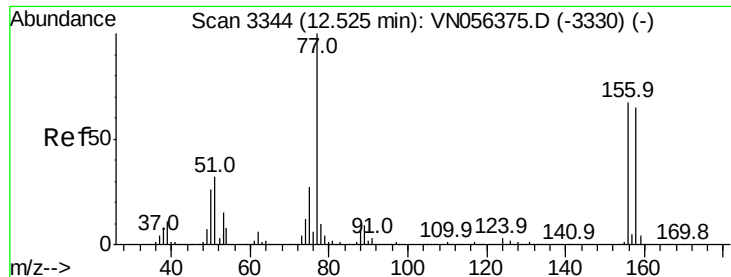
Delta R.T. 0.00 min

Lab File: VN056493.D

Acq: 25 Jun 2019 17:44

Tgt Ion:	75	Resp:	228703
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 45.411 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056493.D

Acq: 25 Jun 2019 17:44

Instrument :

MSVOA_N

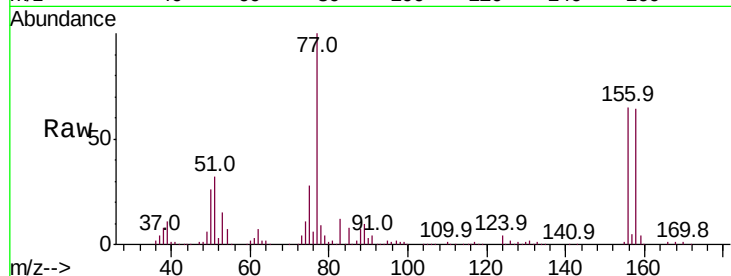
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	212821
Ion Ratio	Lower	Upper	
156	100		
77	188.1	92.5	277.3
158	97.7	48.7	146.1

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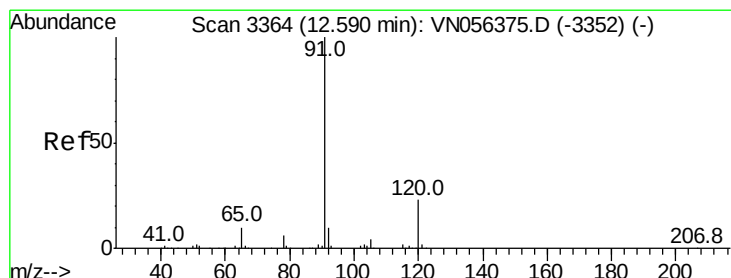
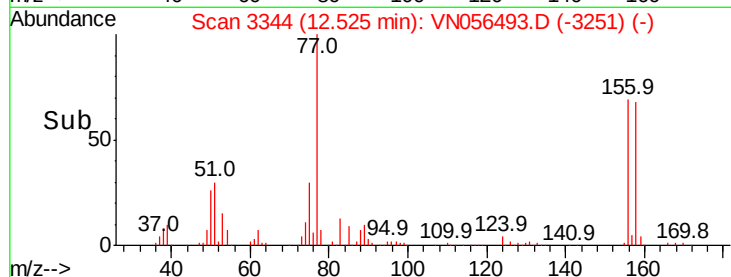
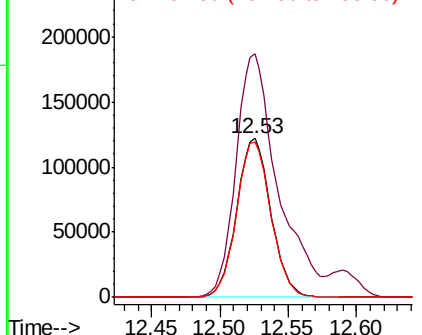
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 45.754 ug/l

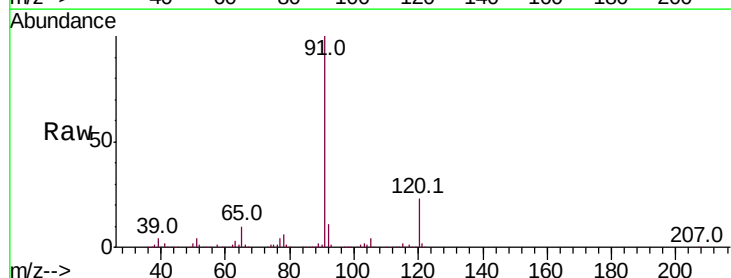
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056493.D

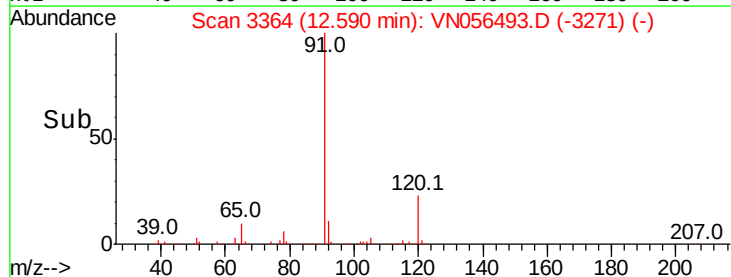
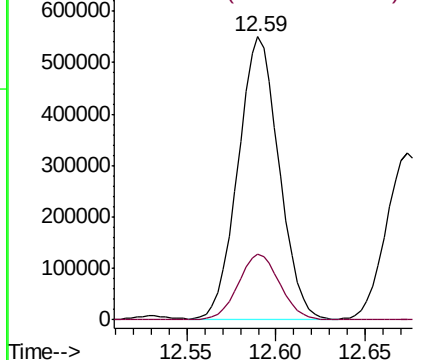
Acq: 25 Jun 2019 17:44

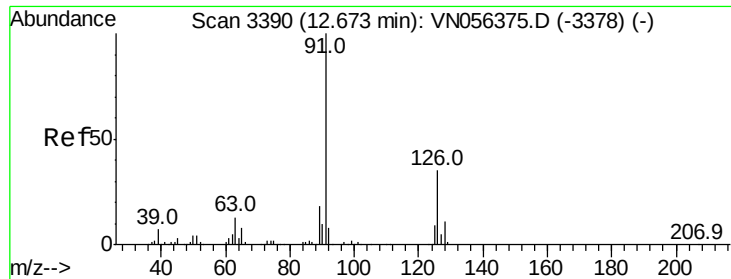
Tgt Ion:	91	Resp:	878202
Ion Ratio	Lower	Upper	
91	100		
120	23.6	11.8	35.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.653 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056493.D

Acq: 25 Jun 2019 17:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 542760

Ion Ratio Lower Upper

91 100

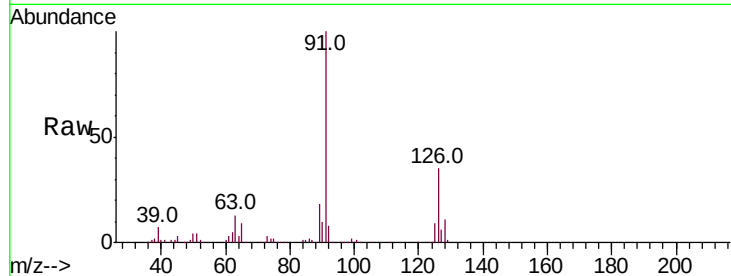
126 35.3 17.6 52.8

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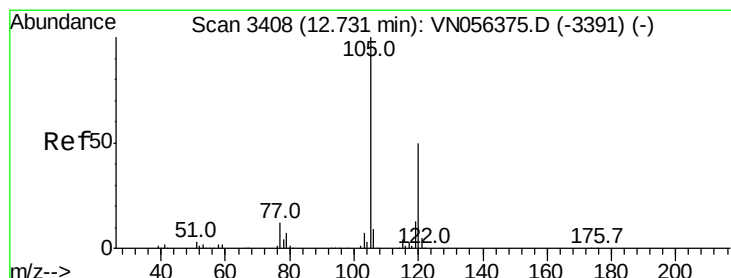
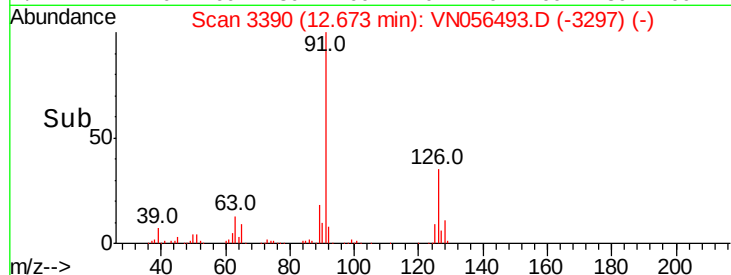
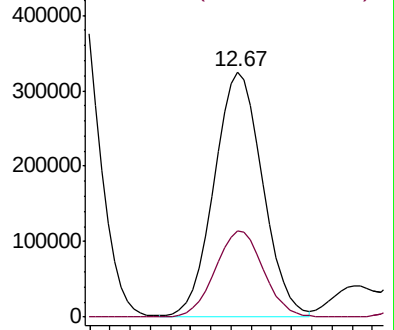
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Abundance Ion 91.00 (90.70 to 91.70): VN056375.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN056375.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 50.790 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056493.D

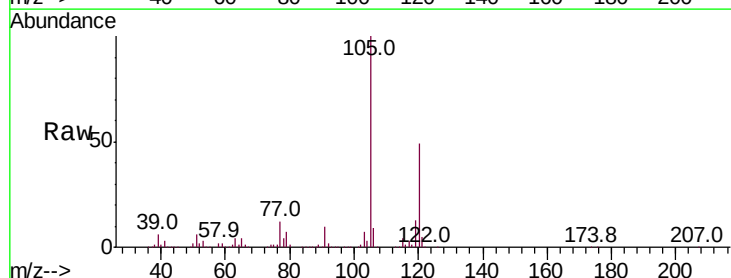
Acq: 25 Jun 2019 17:44

Tgt Ion: 105 Resp: 669490

Ion Ratio Lower Upper

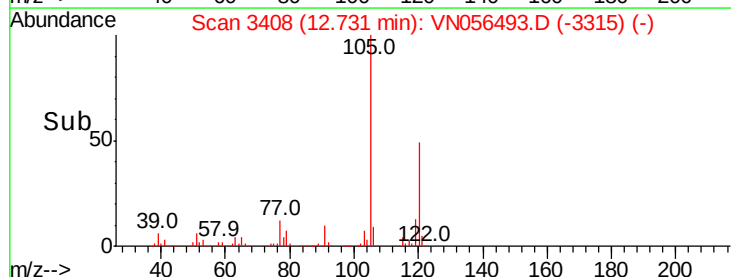
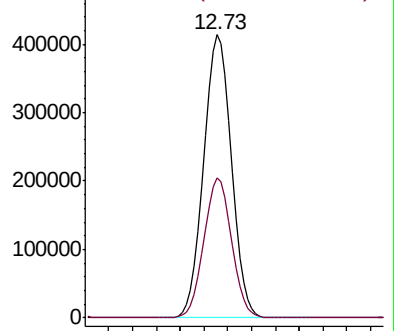
105 100

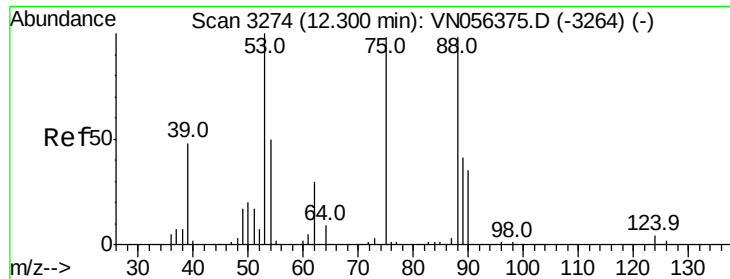
120 49.3 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): VN056375.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN056375.D (-3391) (-)





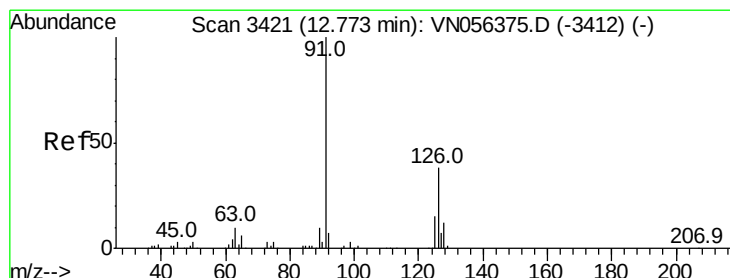
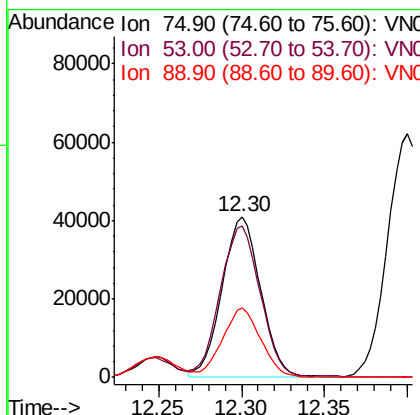
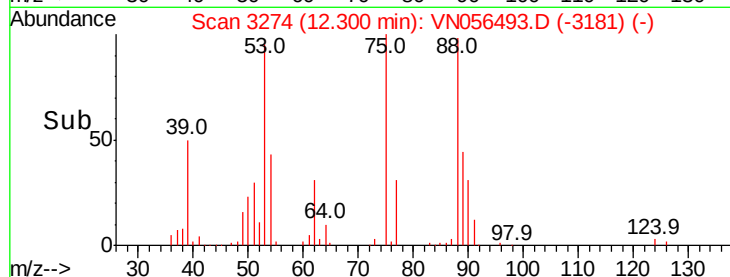
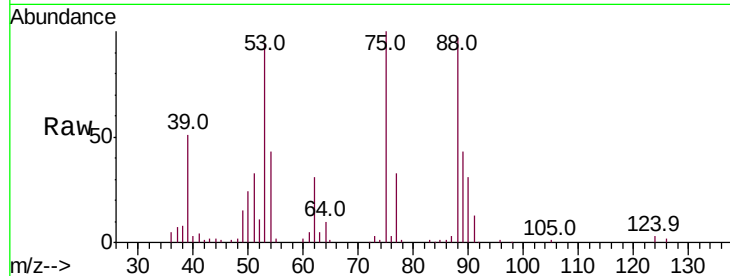
#81
trans-1,4-Dichloro-2-butene
Concen: 54.480 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN056493.D
Acq: 25 Jun 2019 17:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.4	83.9	125.9
89	42.9	35.0	52.6

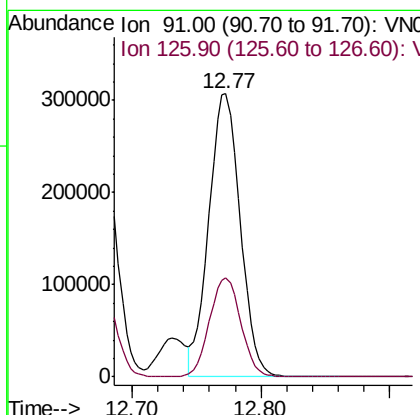
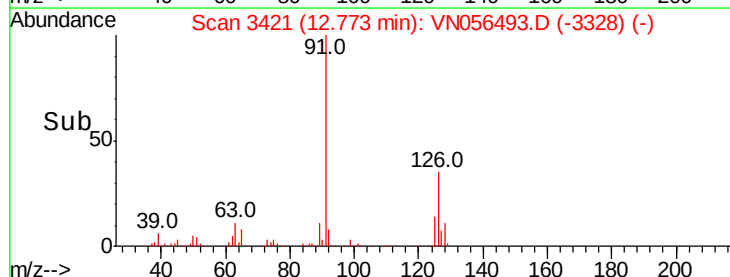
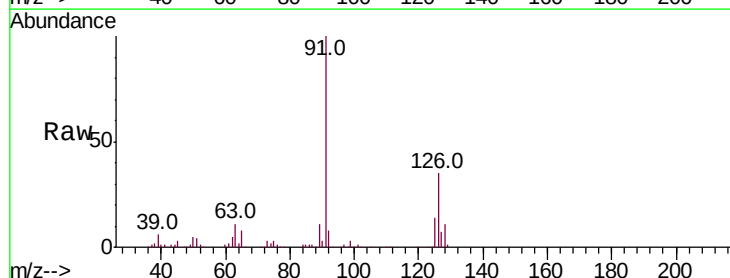
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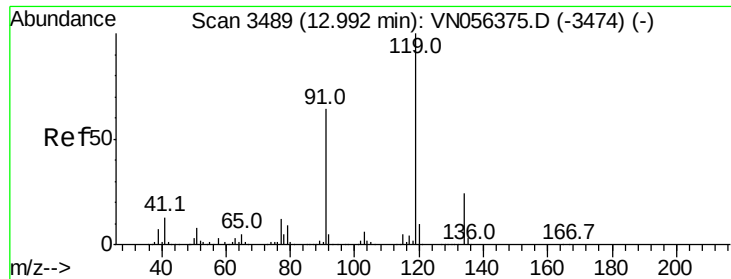
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#82
4-Chlorotoluene
Concen: 45.748 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN056493.D
Acq: 25 Jun 2019 17:44

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.1	17.3	52.0





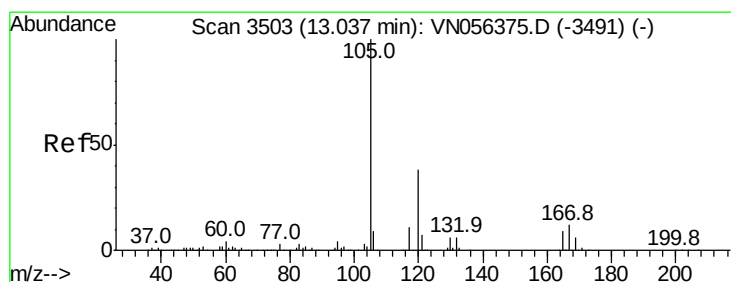
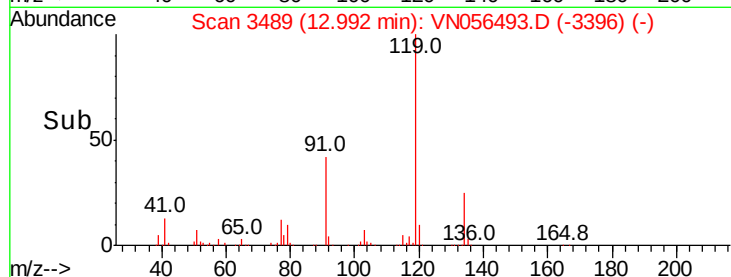
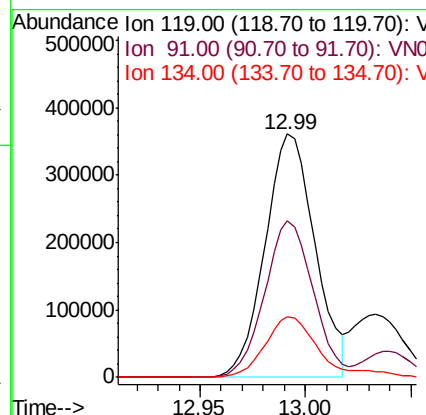
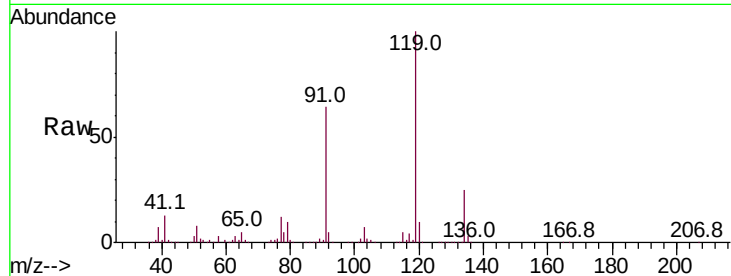
#83
 tert-Butylbenzene
 Concen: 51.898 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN056493.D
 Acq: 25 Jun 2019 17:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	595318		
91	62.5	31.6	94.7	
134	27.1	13.2	39.5	

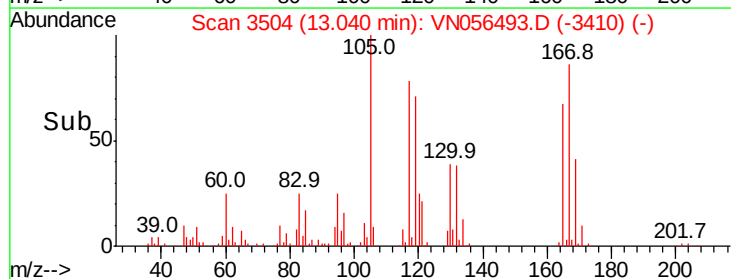
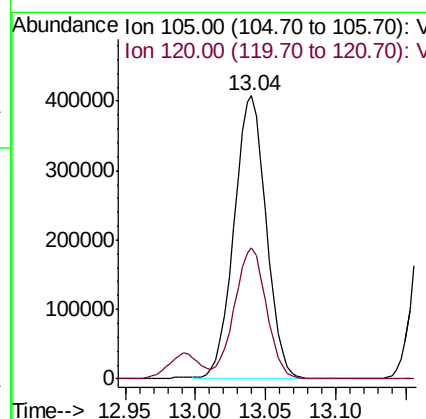
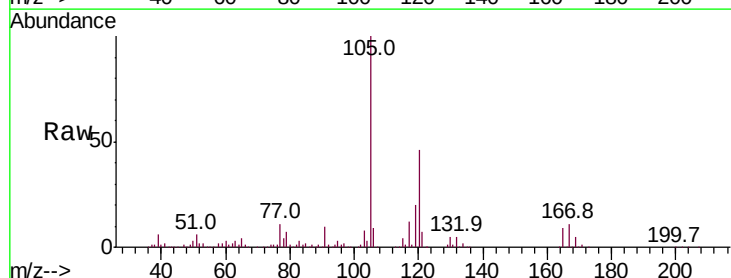
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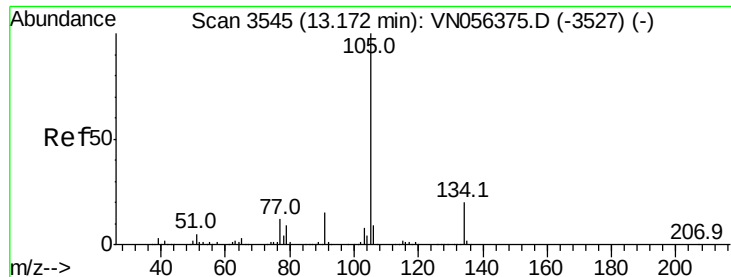
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#84
 1,2,4-Trimethylbenzene
 Concen: 46.043 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN056493.D
 Acq: 25 Jun 2019 17:44

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	649662		
120	46.1	22.9	68.8	





#85

sec-Butylbenzene

Concen: 45.636 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056493.D

Acq: 25 Jun 2019 17:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 769904

Ion Ratio Lower Upper

105 100

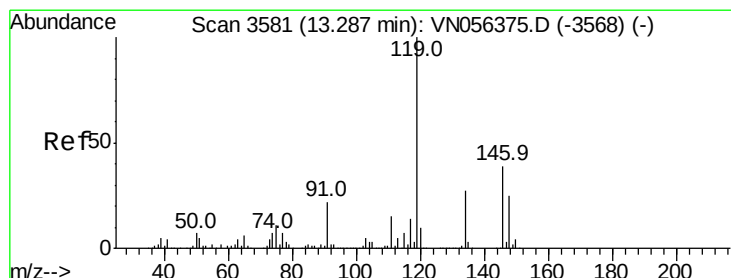
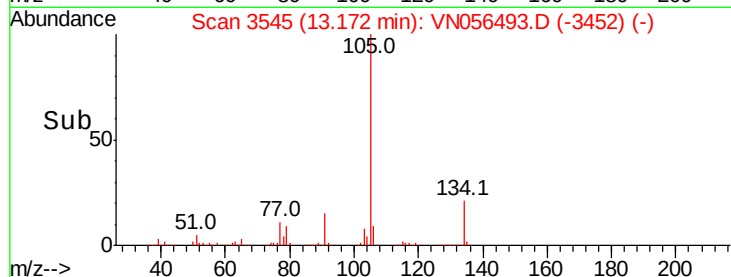
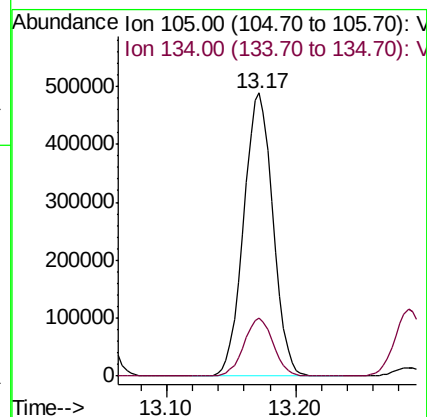
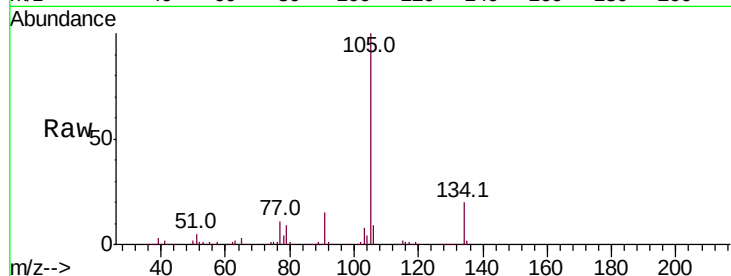
134 20.5 10.2 30.4

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#86

p-Isopropyltoluene

Concen: 46.368 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056493.D

Acq: 25 Jun 2019 17:44

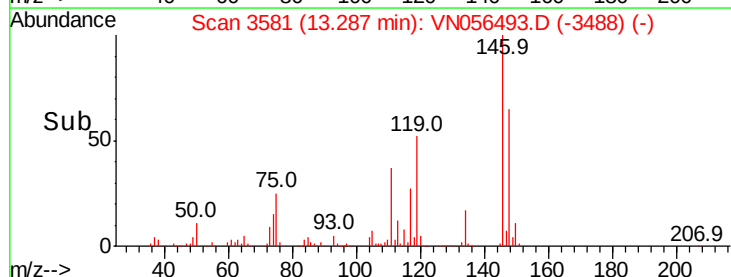
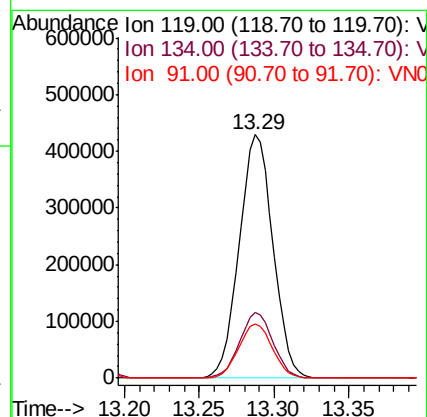
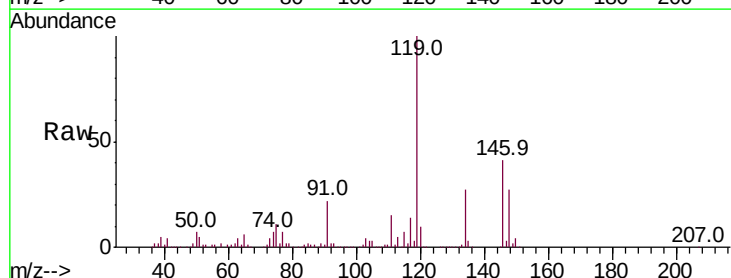
Tgt Ion:119 Resp: 671326

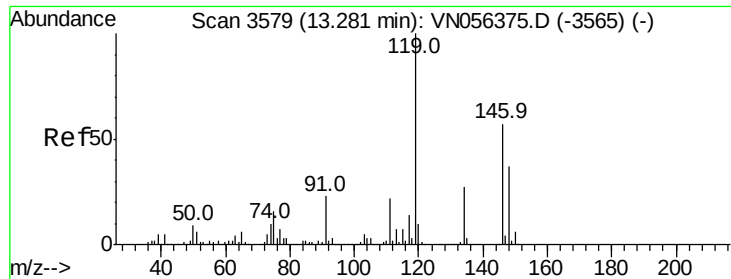
Ion Ratio Lower Upper

119 100

134 26.8 13.5 40.4

91 22.4 11.2 33.5





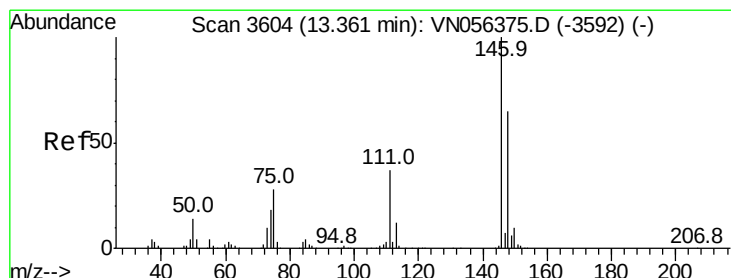
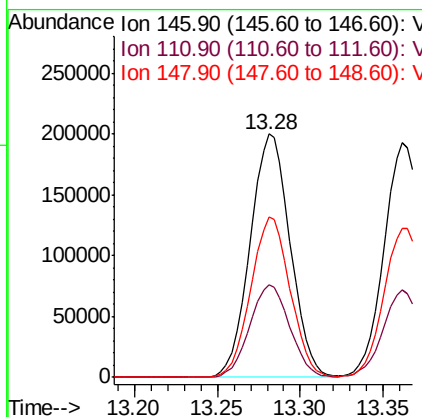
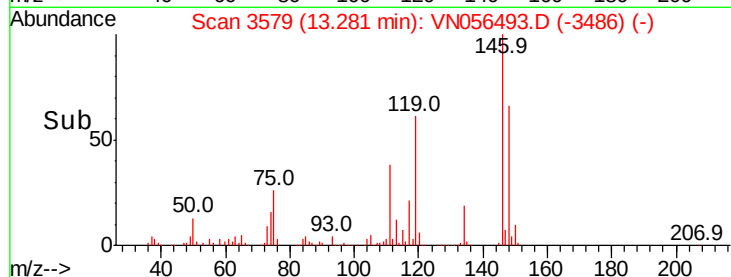
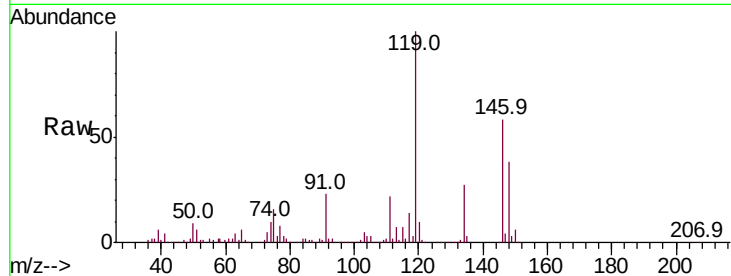
#87
 1,3-Dichlorobenzene
 Concen: 47.127 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056493.D
 Acq: 25 Jun 2019 17:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.9	56.9
148	64.8	32.1	96.5

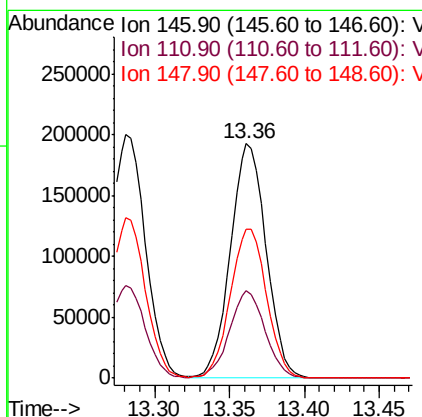
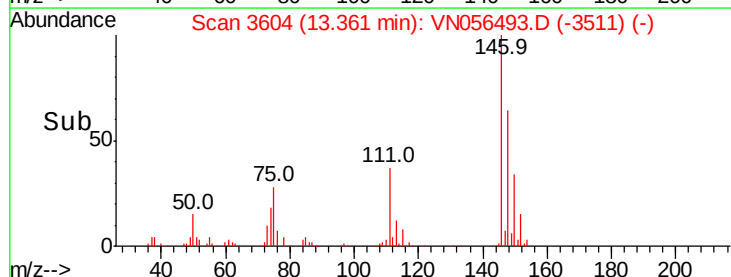
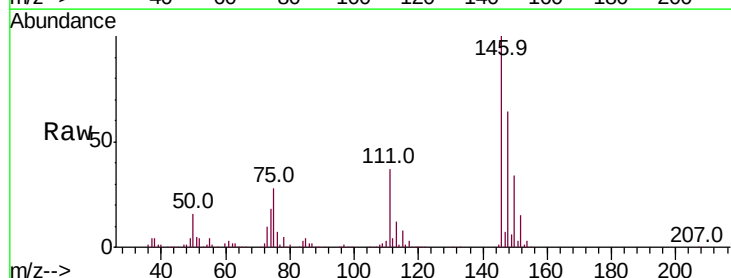
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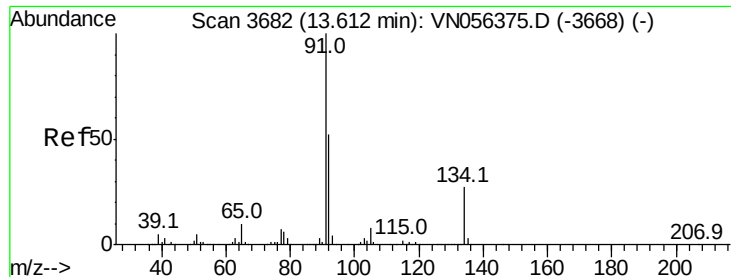
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#88
 1,4-Dichlorobenzene
 Concen: 46.446 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056493.D
 Acq: 25 Jun 2019 17:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.4	55.4
148	64.5	32.4	97.0





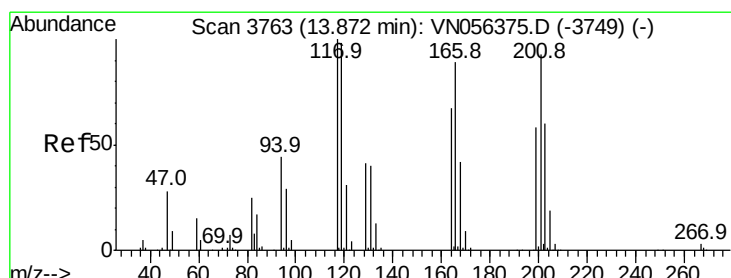
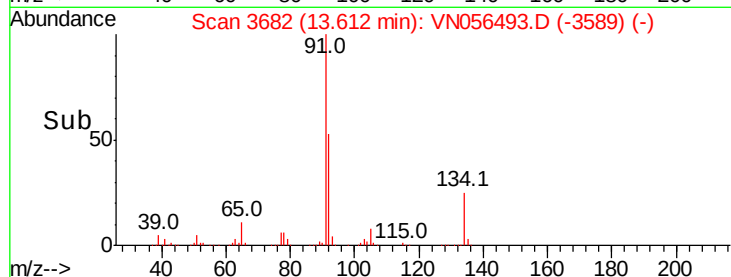
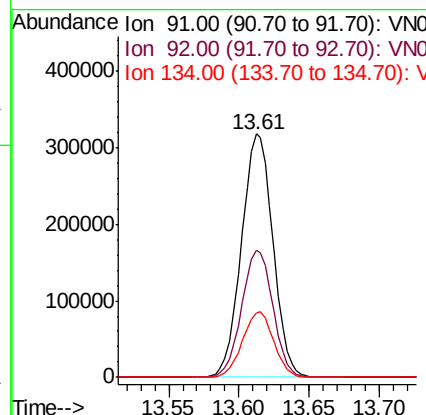
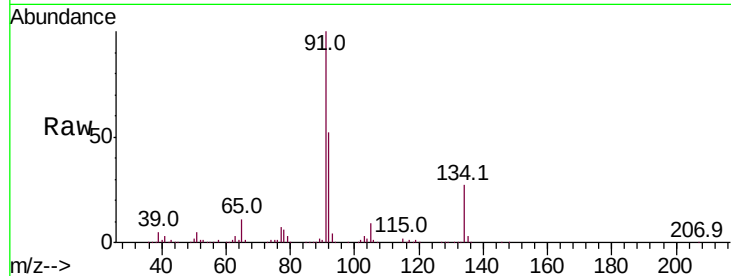
#89
n-Butylbenzene
Concen: 45.432 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056493.D
Acq: 25 Jun 2019 17:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.2	78.5
134	26.8	13.4	40.2

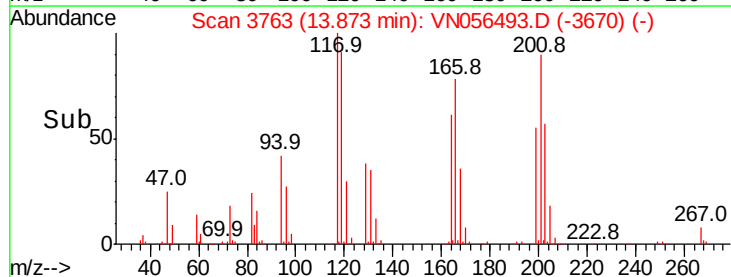
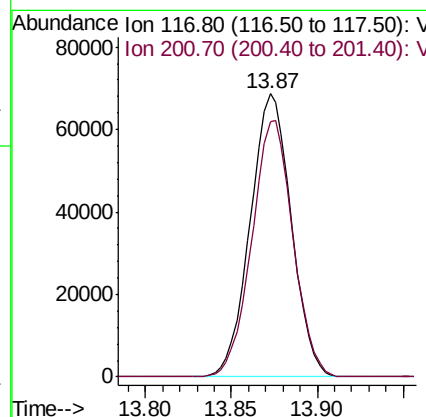
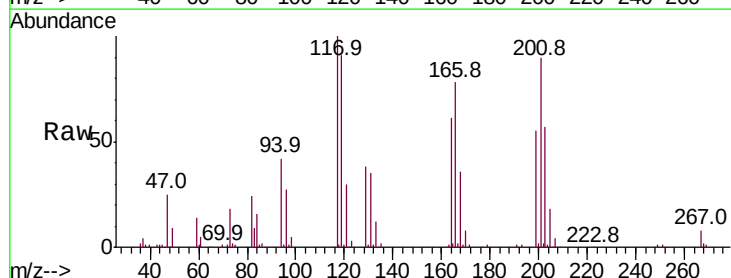
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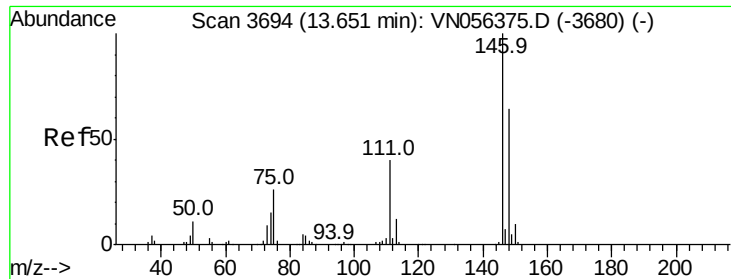
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#90
Hexachloroethane
Concen: 50.265 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056493.D
Acq: 25 Jun 2019 17:44

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.8	45.9	137.6





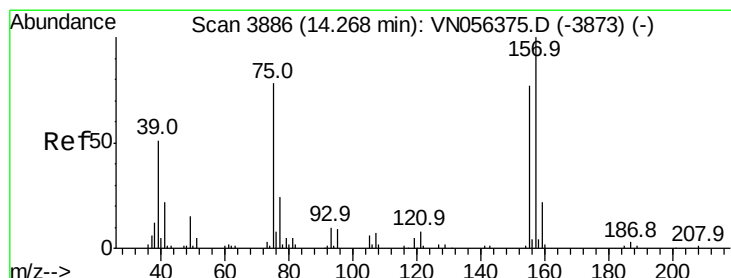
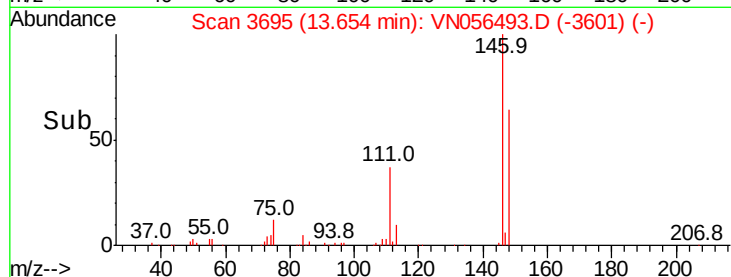
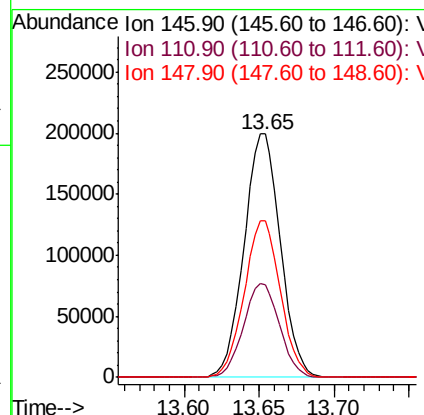
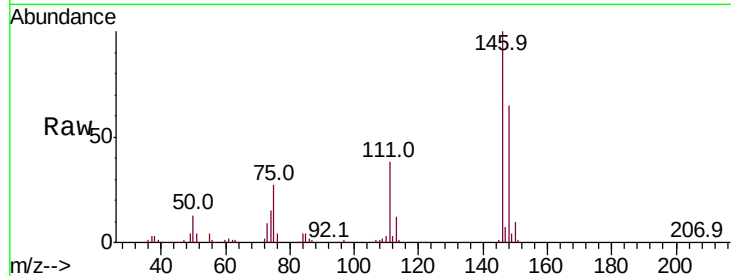
#91
 1,2-Dichlorobenzene
 Concen: 47.813 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN056493.D
 Acq: 25 Jun 2019 17:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.3	57.9
148	63.9	32.0	96.0

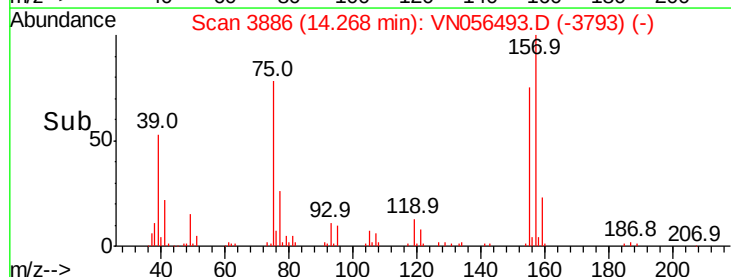
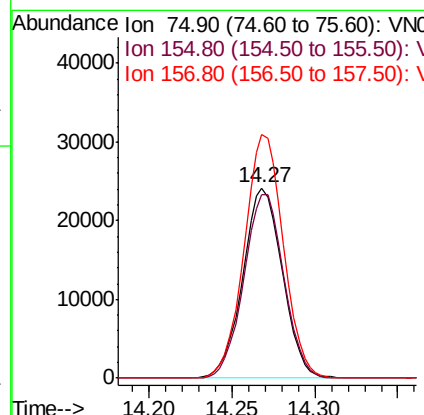
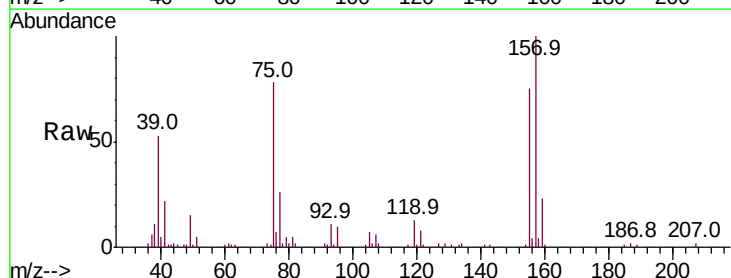
Manual Integrations
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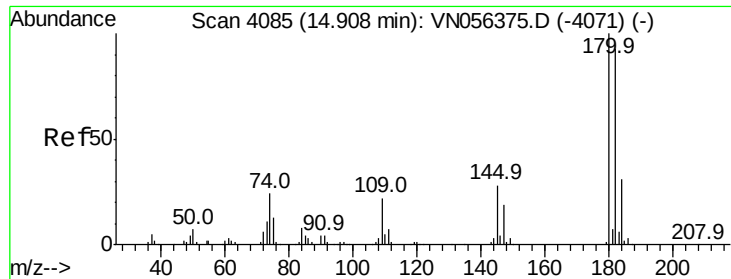
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 6/26/2019 9:28:42 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.566 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056493.D
 Acq: 25 Jun 2019 17:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.5	48.9	146.8
157	126.4	62.9	188.8





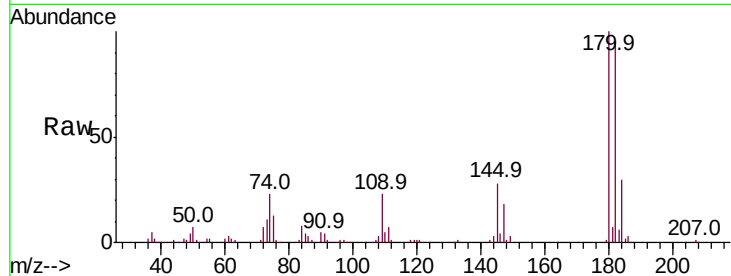
#93
 1,2,4-Trichlorobenzene
 Concen: 40.446 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056493.D
 Acq: 25 Jun 2019 17:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

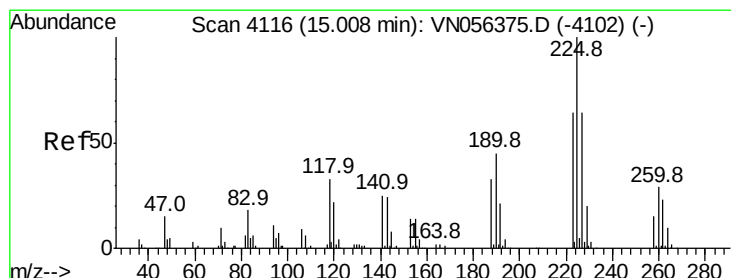
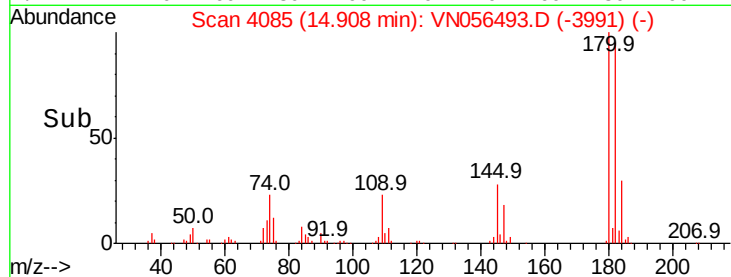
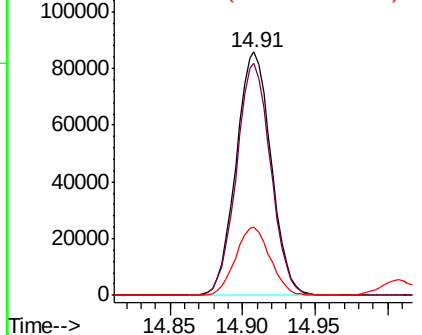
Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	93.3	46.9	140.6	
145	27.7	14.4	43.0	

Manual Integrations
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 6/26/2019 9:28:42 AM

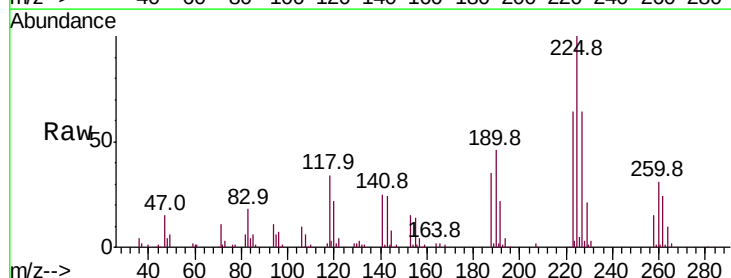


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

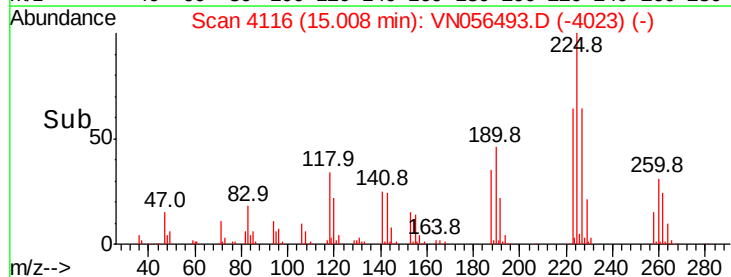
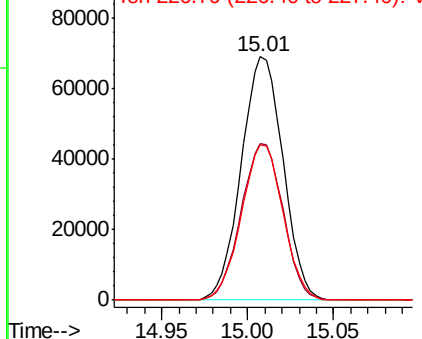


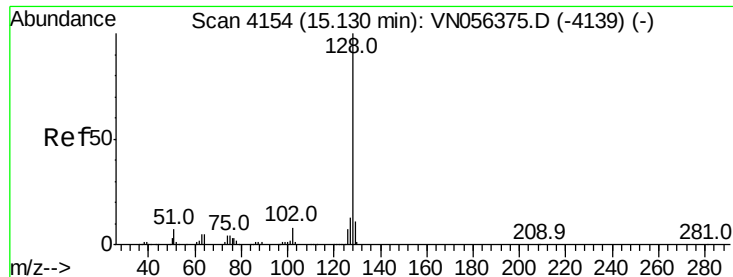
#94
 Hexachlorobutadiene
 Concen: 48.864 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056493.D
 Acq: 25 Jun 2019 17:44

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	64.4	31.4	94.3	
227	63.6	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





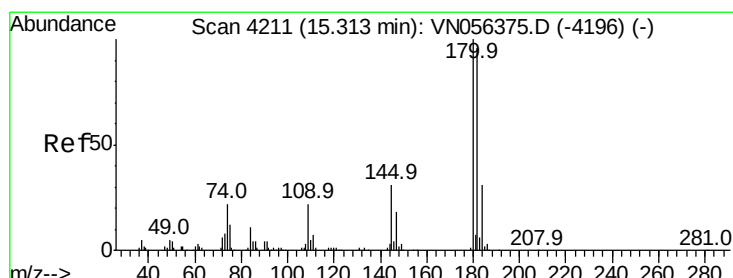
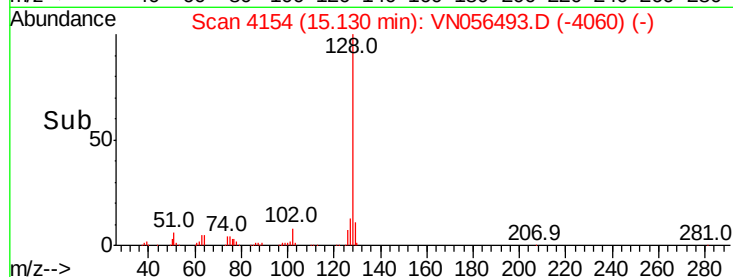
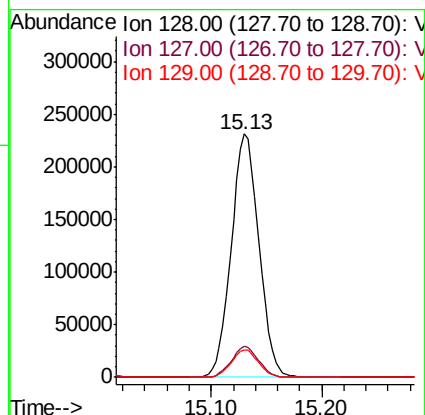
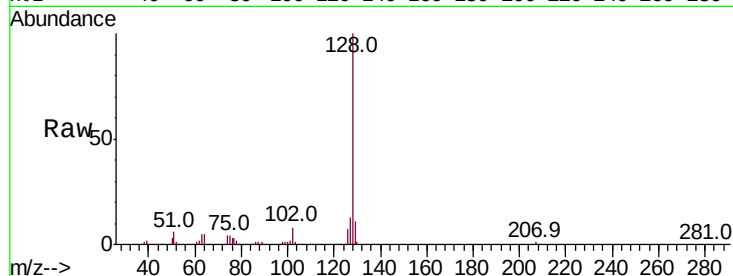
#95
Naphthalene
Concen: 42.720 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN056493.D
Acq: 25 Jun 2019 17:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	11.1	8.6	12.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 42.384 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN056493.D
Acq: 25 Jun 2019 17:44

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	48.3	144.8
145	31.3	15.4	46.1

