

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022520\
 Data File : VN060243.D
 Acq On : 25 Feb 2020 18:37
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/26/2020 10:44:38 AM

Quant Time: Feb 25 23:14:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	212611	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	349561	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	331530	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	174246	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	137131	53.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.02%	
35) Dibromofluoromethane	7.57	113	102648	47.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.54%	
50) Toluene-d8	10.08	98	414165	48.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.90%	
62) 4-Bromofluorobenzene	12.40	95	161061	51.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	105904	49.833	ug/l	99
3) Chloromethane	2.04	50	181379	71.719	ug/l	98
4) Vinyl Chloride	2.16	62	148438	51.493	ug/l	98
5) Bromomethane	2.54	94	51305	29.026	ug/l	99
6) Chloroethane	2.68	64	77962	53.471	ug/l	98
7) Trichlorofluoromethane	3.00	101	186475	50.173	ug/l	97
8) Diethyl Ether	3.38	74	69171	55.910	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.74	101	104186	50.491	ug/l	98
10) Methyl Iodide	3.93	142	88685	32.877	ug/l	99
11) Tert butyl alcohol	4.73	59	100108	258.578	ug/l	99
12) 1,1-Dichloroethene	3.72	96	104510	51.991	ug/l	97
13) Acrolein	3.58	56	63318	165.462	ug/l	96
14) Allyl chloride	4.29	41	167629	56.658	ug/l	95
15) Acrylonitrile	4.94	53	274490	290.322	ug/l	99
16) Acetone	3.78	43	223535	198.084	ug/l	97
17) Carbon Disulfide	4.03	76	283483	46.788	ug/l	98
18) Methyl Acetate	4.29	43	147371	69.519	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	370228	54.767	ug/l	99
20) Methylene Chloride	4.52	84	116953	51.947	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	112457	51.322	ug/l	99
22) Diisopropyl ether	5.92	45	383281	59.110	ug/l	93
23) Vinyl Acetate	5.86	43	1556604	285.868	ug/l	97
24) 1,1-Dichloroethane	5.82	63	215230	54.793	ug/l	99
25) 2-Butanone	6.80	43	370957	261.372	ug/l	96
26) 2,2-Dichloropropane	6.80	77	188453	50.511	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	134198	52.331	ug/l	96
28) Bromochloromethane	7.17	49	87031	56.358	ug/l	92
29) Tetrahydrofuran	7.18	42	249341	286.370	ug/l	95
30) Chloroform	7.35	83	220663	53.628	ug/l	99
31) Cyclohexane	7.63	56	189468	51.780	ug/l	96
32) 1,1,1-Trichloroethane	7.55	97	197131	52.427	ug/l	99
36) 1,1-Dichloropropene	7.77	75	161647	49.925	ug/l	99
37) Ethyl Acetate	6.90	43	160132	54.723	ug/l	100
38) Carbon Tetrachloride	7.75	117	165917	47.184	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	193175	48.064	ug/l	97
40) Benzene	8.02	78	484519	50.447	ug/l	100
41) Methacrylonitrile	7.15	41	76822m	62.601	ug/l	
42) 1,2-Dichloroethane	8.10	62	174740	51.910	ug/l	98
43) Isopropyl Acetate	8.14	43	276994	55.375	ug/l	99
44) Trichloroethene	8.82	130	139206	52.344	ug/l	95
45) 1,2-Dichloropropane	9.10	63	129243	54.354	ug/l	98
46) Dibromomethane	9.19	93	85673	50.985	ug/l	99
47) Bromodichloromethane	9.39	83	172942	50.623	ug/l	99
48) Methyl methacrylate	9.18	41	127527	56.823	ug/l	96
49) 1,4-Dioxane	9.18	88	38425	1002.069	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	811424	280.255	ug/l	100
52) Toluene	10.14	92	307554	49.936	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	204044	52.914	ug/l	97
54) cis-1,3-Dichloropropene	9.82	75	210878	51.933	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	122253	50.880	ug/l	99
56) Ethyl methacrylate	10.42	69	191865	56.447	ug/l	97
57) 1,3-Dichloropropane	10.70	76	202042	50.959	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	477598	301.607	ug/l	97
59) 2-Hexanone	10.74	43	611377	273.357	ug/l	98
60) Dibromochloromethane	10.89	129	133205	48.310	ug/l	100
61) 1,2-Dibromoethane	10.99	107	127184	50.494	ug/l	100
64) Tetrachloroethene	10.62	164	149018	59.128	ug/l	99
65) Chlorobenzene	11.43	112	329135	48.729	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	123282	48.248	ug/l	99
67) Ethyl Benzene	11.50	91	607659	49.881	ug/l	99
68) m/p-Xylenes	11.62	106	453296	99.143	ug/l	99
69) o-Xylene	11.94	106	219921	49.957	ug/l	98
70) Styrene	11.96	104	378356	53.298	ug/l	99
71) Bromoform	12.12	173	94464	45.965	ug/l #	98
73) Isopropylbenzene	12.24	105	595676	45.780	ug/l	100
74) N-amyl acetate	12.06	43	262985	56.050	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	161392	43.093	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	159394m	47.813	ug/l	
77) Bromobenzene	12.52	156	201508	62.403	ug/l	72
78) n-propylbenzene	12.59	91	695007	46.882	ug/l	100
79) 2-Chlorotoluene	12.67	91	406470	46.648	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	507750	46.933	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	65346	47.995	ug/l	99
82) 4-Chlorotoluene	12.77	91	431614	48.280	ug/l	98
83) tert-Butylbenzene	12.99	119	429917	44.922	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	510013	47.757	ug/l	100
85) sec-Butylbenzene	13.17	105	582551	45.962	ug/l	100
86) p-Isopropyltoluene	13.28	119	535858	46.663	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	271161	47.439	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	272097	47.613	ug/l	99
89) n-Butylbenzene	13.61	91	492669	48.776	ug/l	99
90) Hexachloroethane	13.87	117	69299	32.302	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	258764	46.259	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	37120	46.560	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	177835	54.106	ug/l	99
94) Hexachlorobutadiene	15.01	225	74903	38.927	ug/l	99
95) Naphthalene	15.13	128	543770	61.245	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	168663	51.529	ug/l	99

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

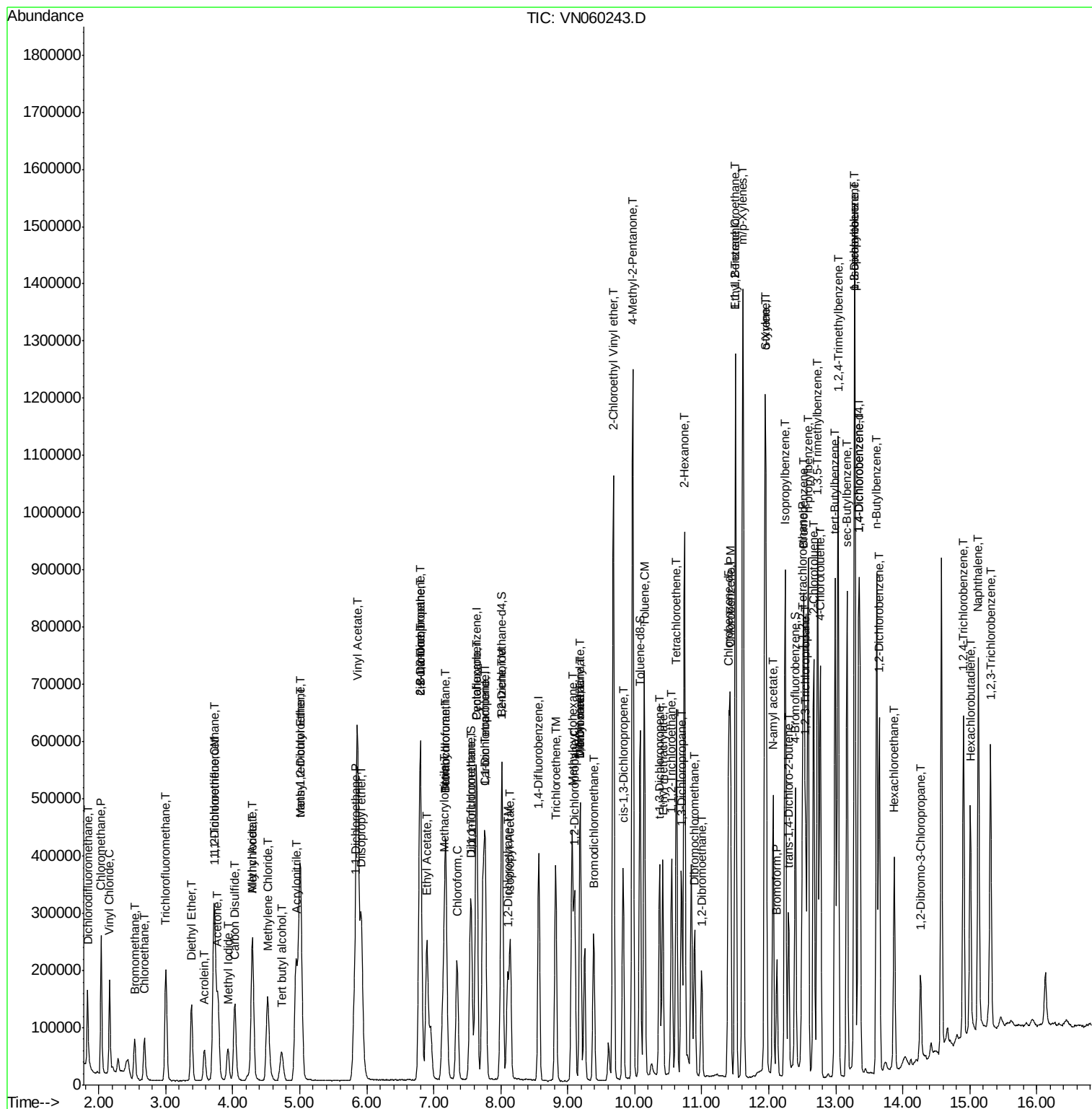
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN022520\
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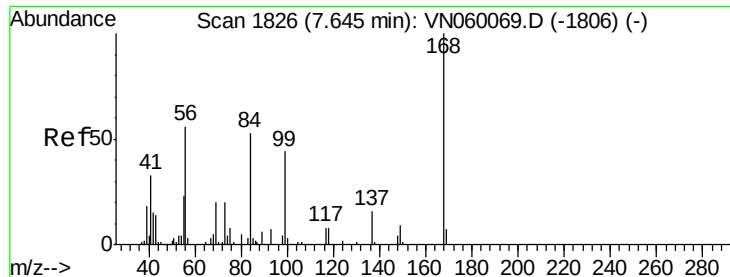
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060243.D

Acq: 25 Feb 2020 18:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 212611

Ion Ratio Lower Upper

168 100

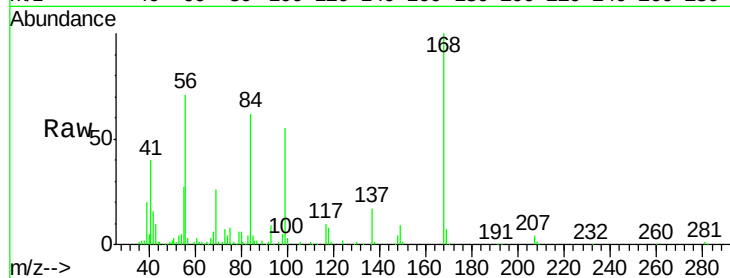
99 55.1 42.7 64.1

Manual Integrations

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2/26/2020 10:44:38 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

60000

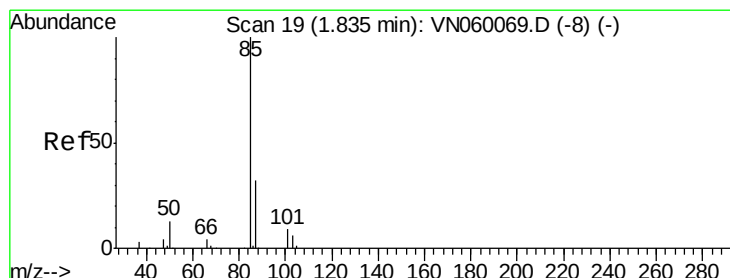
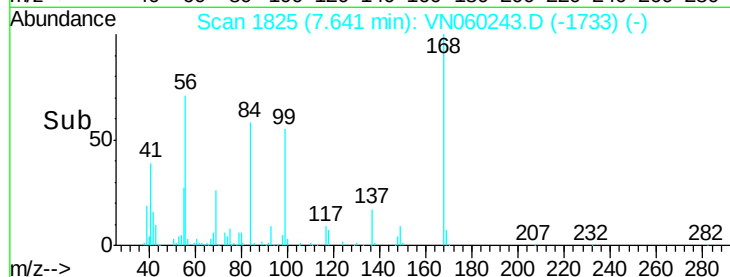
40000

20000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 49.833 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN060243.D

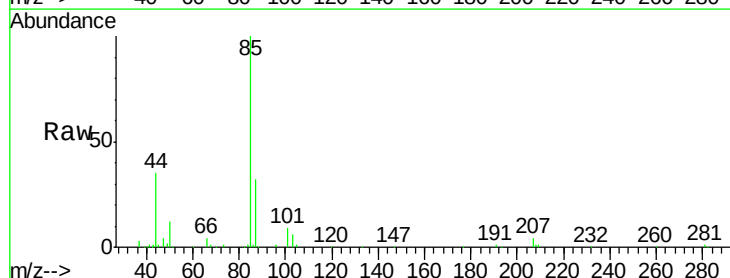
Acq: 25 Feb 2020 18:37

Tgt Ion: 85 Resp: 105904

Ion Ratio Lower Upper

85 100

87 31.6 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

80000

60000

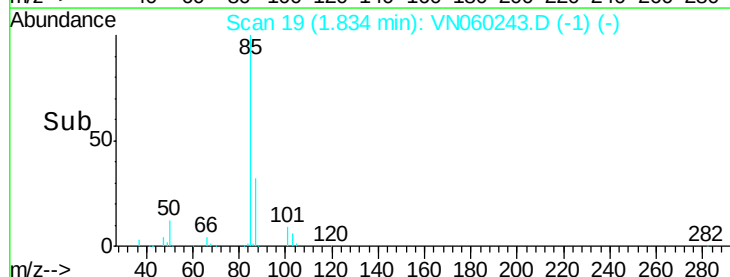
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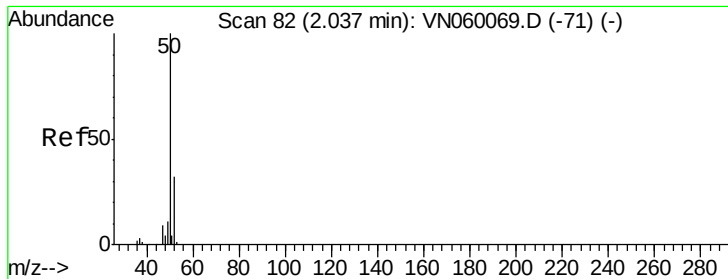
20000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 71.719 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN060243.D

Acq: 25 Feb 2020 18:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 181379

Ion Ratio Lower Upper

50 100

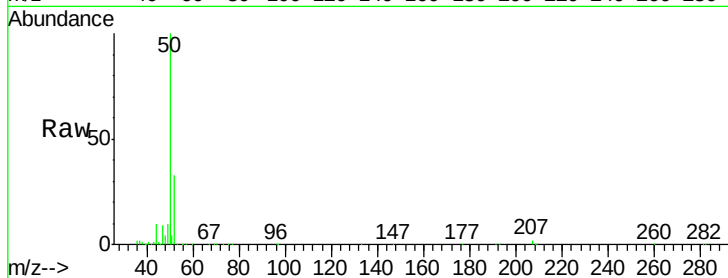
52 32.9 25.6 38.4

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.04

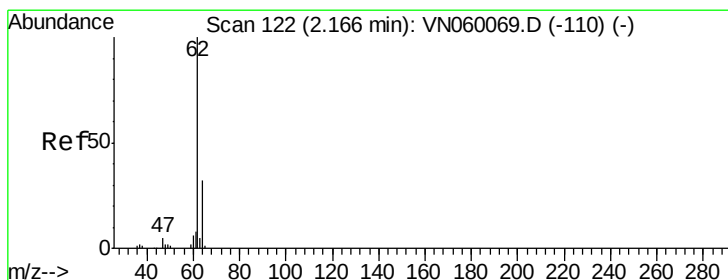
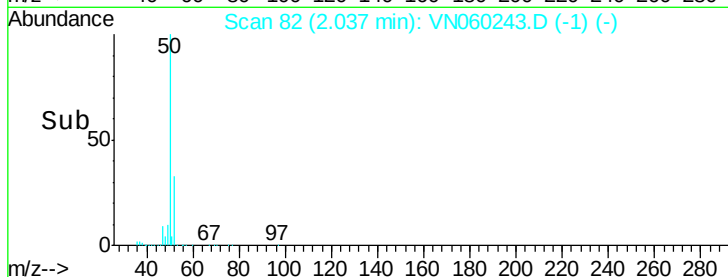
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 51.493 ug/l

RT: 2.16 min Scan# 121

Delta R.T. -0.00 min

Lab File: VN060243.D

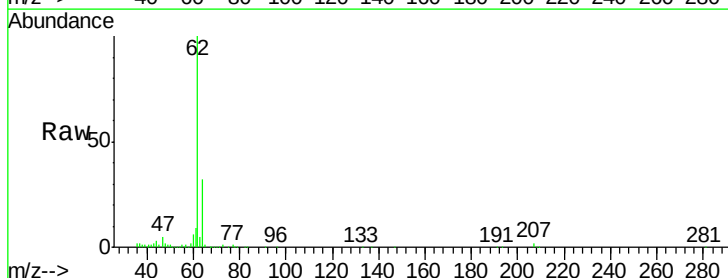
Acq: 25 Feb 2020 18:37

Tgt Ion: 62 Resp: 148438

Ion Ratio Lower Upper

62 100

64 31.5 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.16

100000

80000

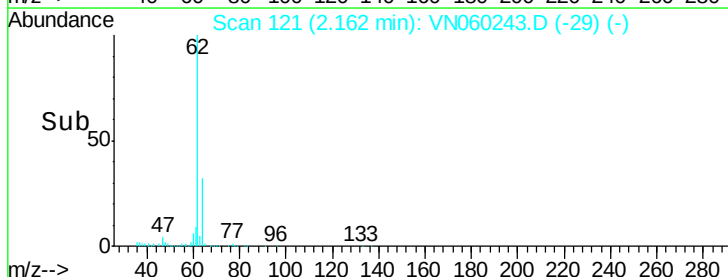
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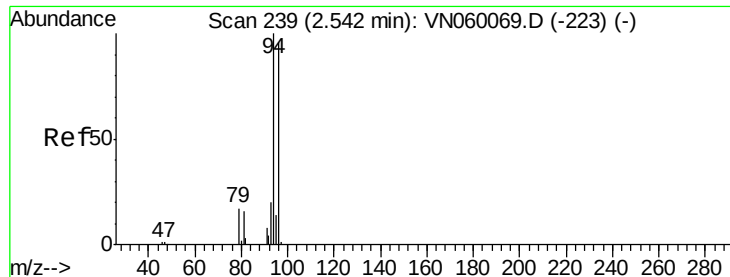
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20000

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Time-->





#5

Bromomethane

Concen: 29.026 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.01 min

Lab File: VN060243.D

Acq: 25 Feb 2020 18:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 51305

Ion Ratio Lower Upper

94 100

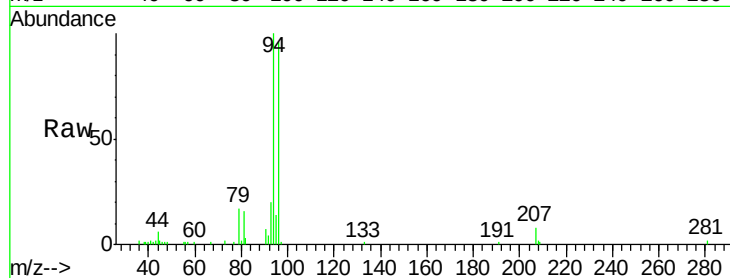
96 94.5 76.7 115.1

Manual Integrations

APPROVED

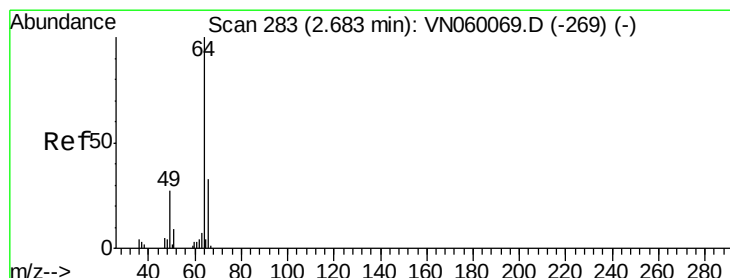
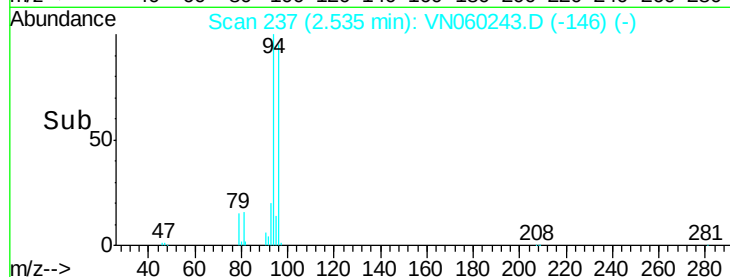
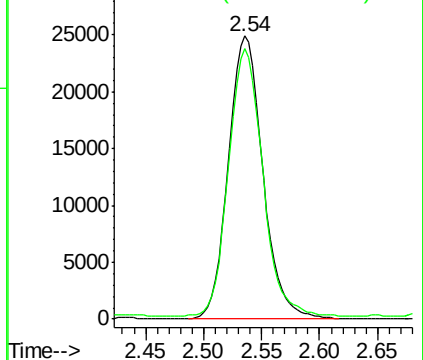
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 53.471 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN060243.D

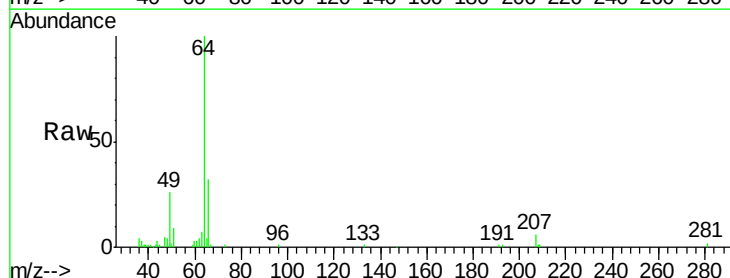
Acq: 25 Feb 2020 18:37

Tgt Ion: 64 Resp: 77962

Ion Ratio Lower Upper

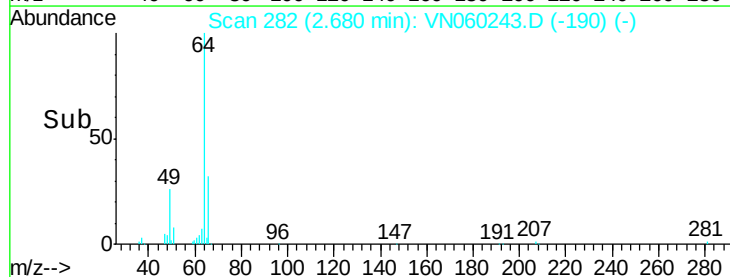
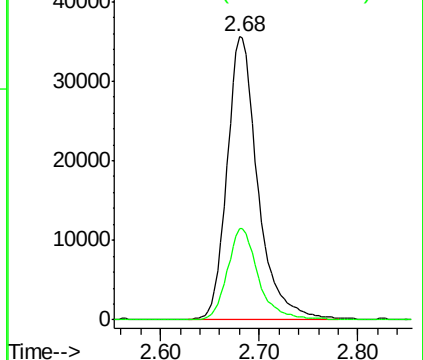
64 100

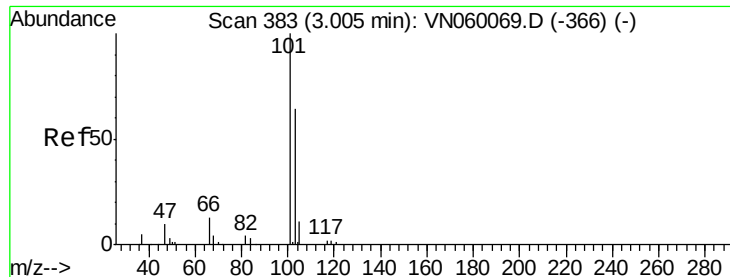
66 32.1 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

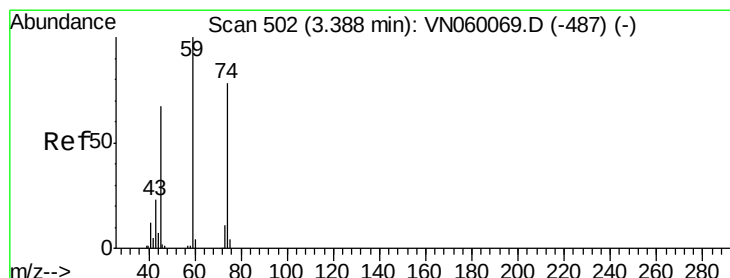
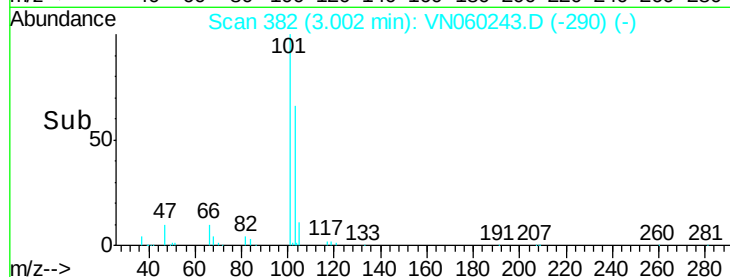
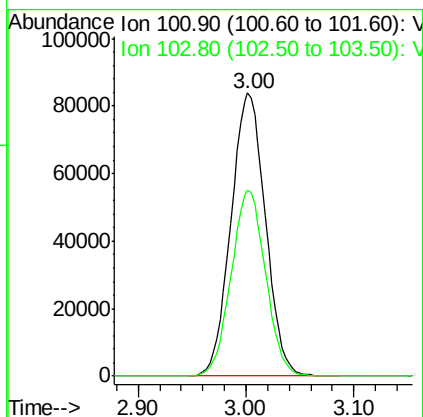
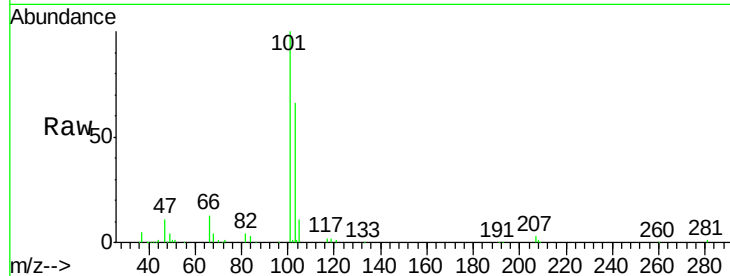
Trichlorofluoromethane
Concen: 50.173 ug/l
RT: 3.00 min Scan# 382
Delta R.T. -0.00 min
Lab File: VN060243.D
Acq: 25 Feb 2020 18:37

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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.0	51.0	76.6

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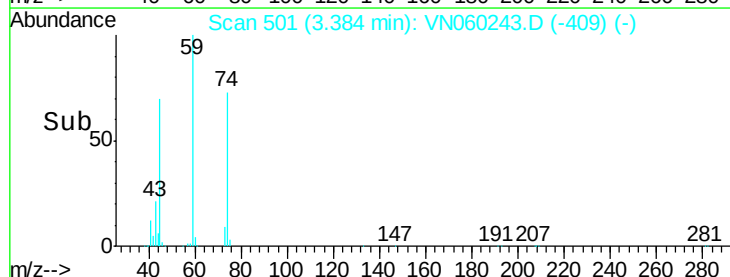
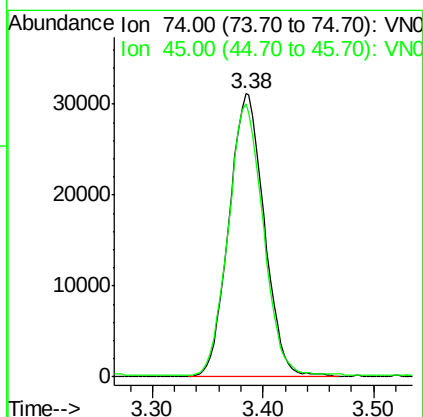
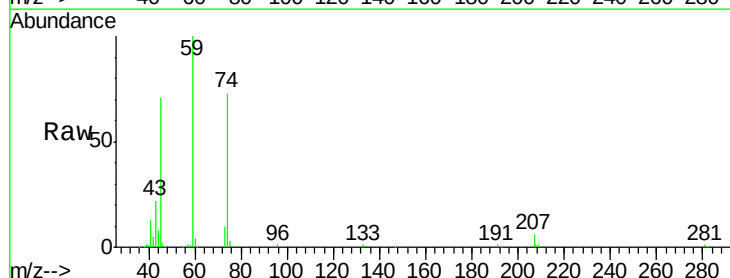
MMDadoda
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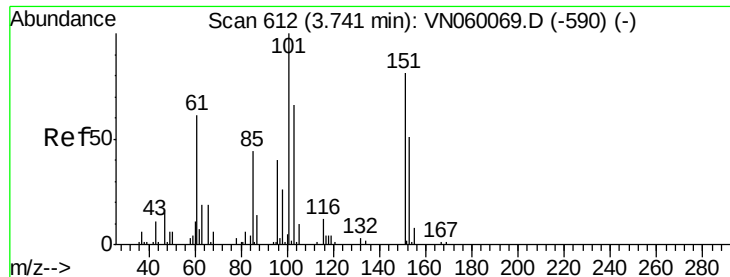


#8

Diethyl Ether
Concen: 55.910 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN060243.D
Acq: 25 Feb 2020 18:37

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.2	44.7	134.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.491 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

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MSVOA_N

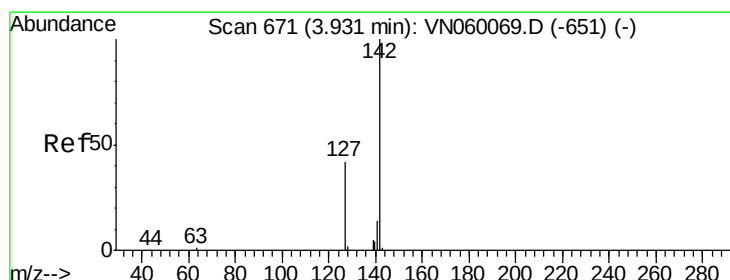
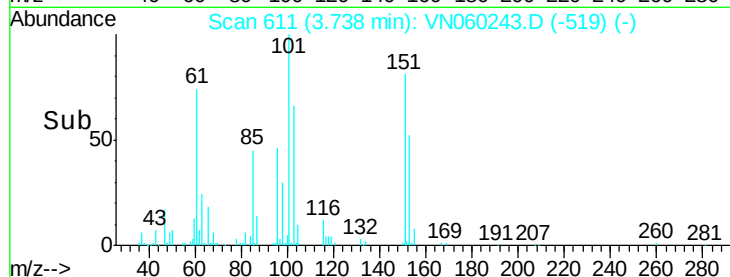
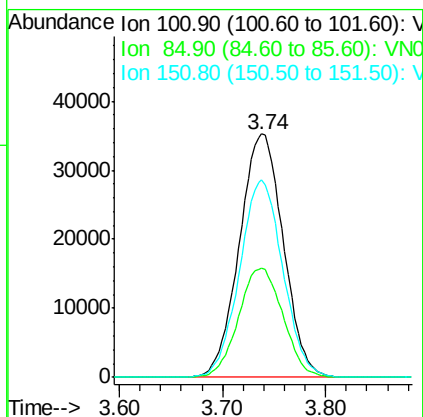
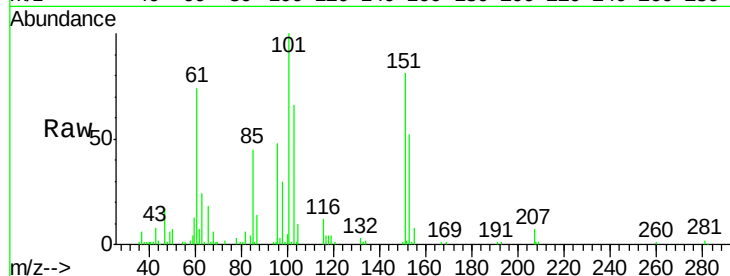
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	104186
Ion Ratio	Lower	Upper	
101	100		
85	45.2	35.1	52.7
151	79.9	65.8	98.6

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#10

Methyl Iodide

Concen: 32.877 ug/l

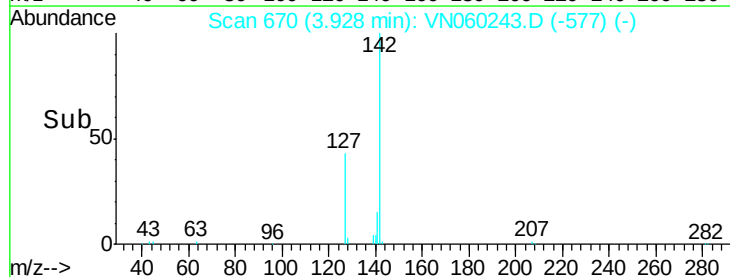
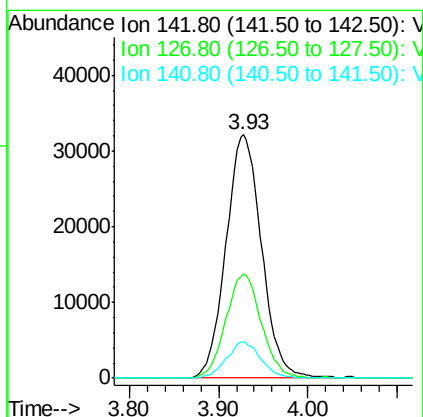
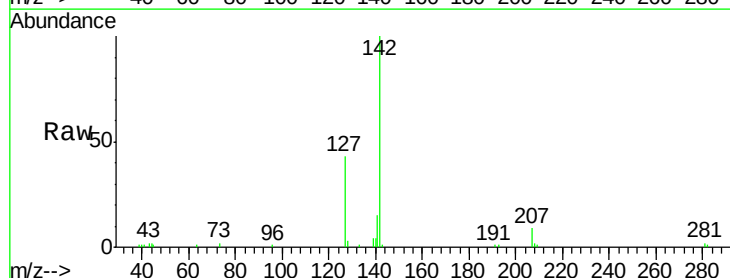
RT: 3.93 min Scan# 670

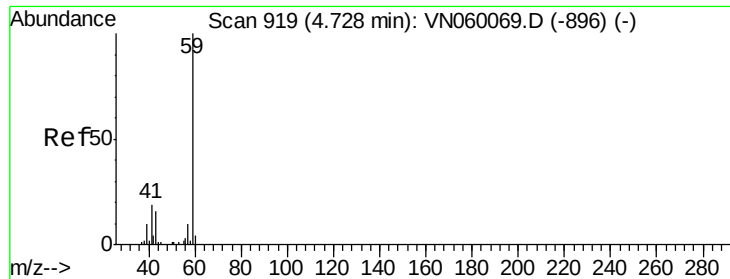
Delta R.T. -0.00 min

Lab File: VN060243.D

Acq: 25 Feb 2020 18:37

Tgt Ion:	142	Resp:	88685
Ion Ratio	Lower	Upper	
142	100		
127	42.7	33.6	50.4
141	14.3	11.4	17.2





#11

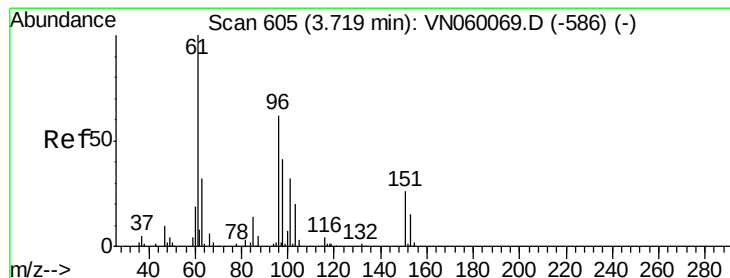
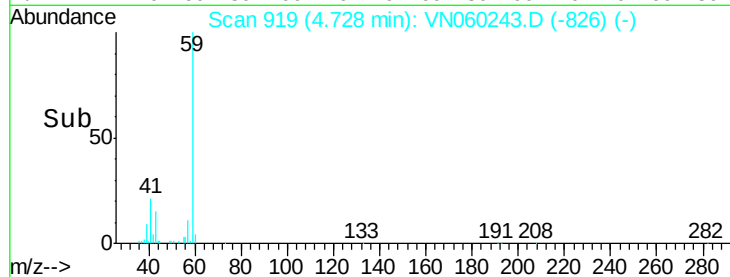
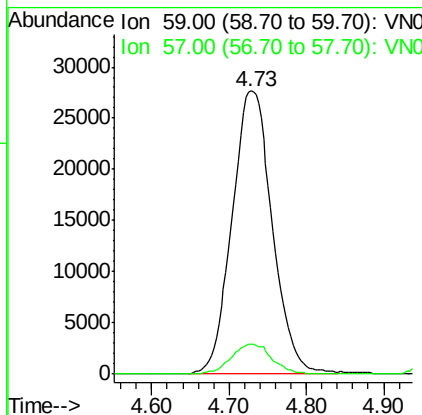
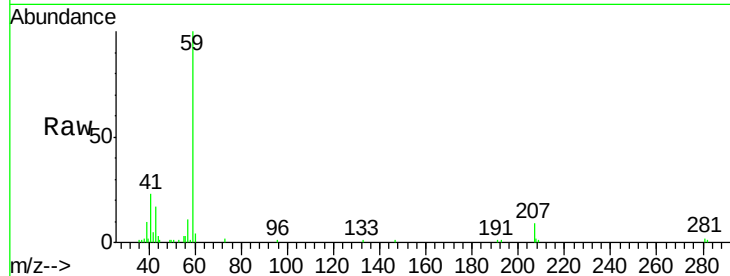
Tert butyl alcohol
Concen: 258.578 ug/l
RT: 4.73 min Scan# 919
Delta R.T. -0.00 min
Lab File: VN060243.D
Acq: 25 Feb 2020 18:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.2	12.4

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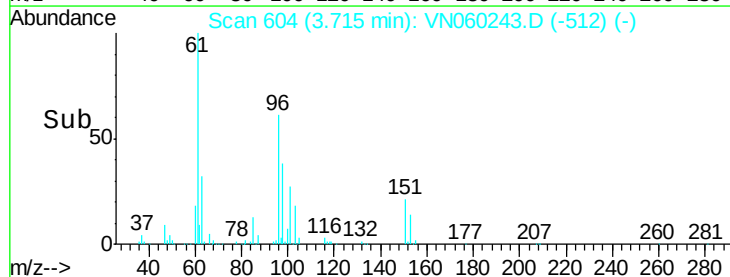
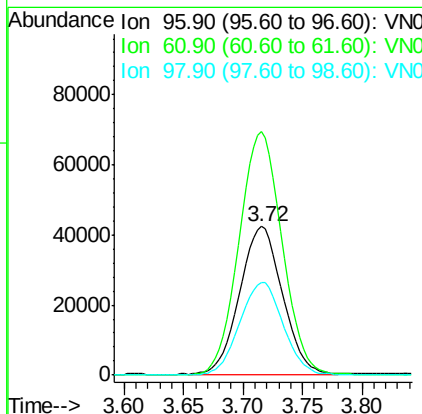
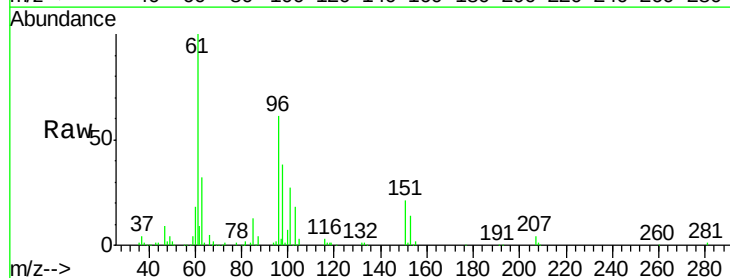
MMDadoda
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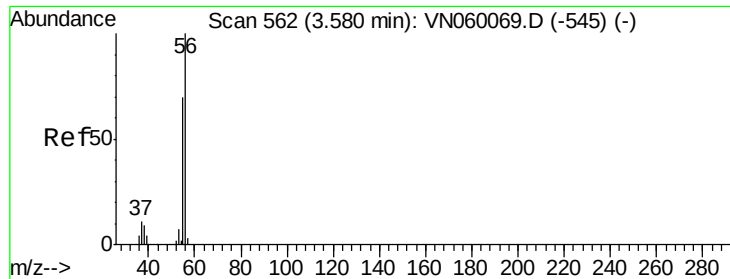


#12

1,1-Dichloroethene
Concen: 51.991 ug/l
RT: 3.72 min Scan# 604
Delta R.T. -0.00 min
Lab File: VN060243.D
Acq: 25 Feb 2020 18:37

Tgt Ion	Ratio	Lower	Upper
96	100		
61	164.7	128.3	192.5
98	62.6	52.2	78.4





#13

Acrolein

Concen: 165.462 ug/l

RT: 3.58 min Scan# 561

Delta R.T. -0.00 min

Lab File: VN060243.D

Acq: 25 Feb 2020 18:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 63318

Ion Ratio Lower Upper

56 100

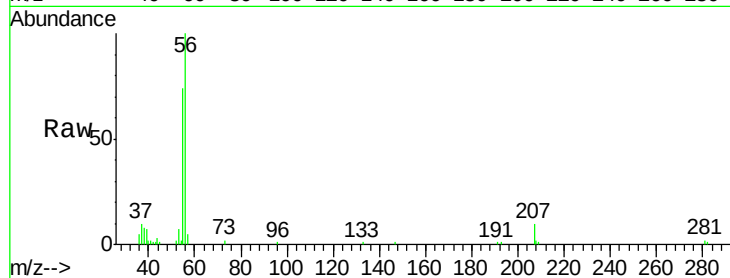
55 71.8 54.8 82.2

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Abundance Ion 56.00 (55.70 to 56.70): VN060069.D (-545) (-)

Ion 55.00 (54.70 to 55.70): VN060069.D (-545) (-)

25000

20000

15000

10000

5000

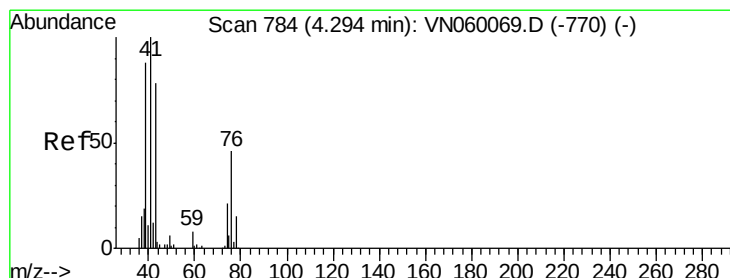
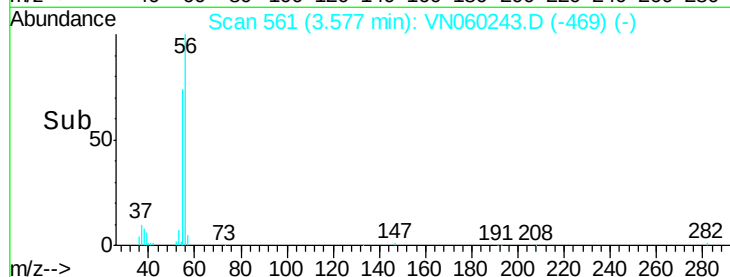
0

3.50

3.60

3.70

Time-->



#14

Allyl chloride

Concen: 56.658 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN060243.D

Acq: 25 Feb 2020 18:37

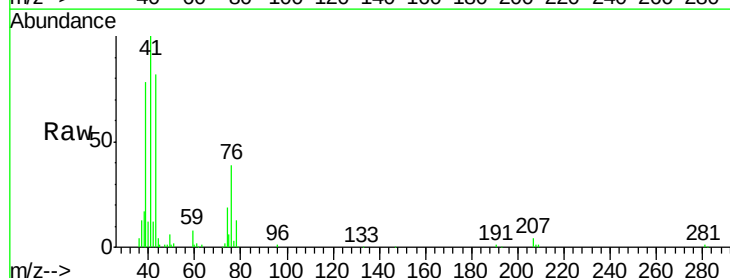
Tgt Ion: 41 Resp: 167629

Ion Ratio Lower Upper

41 100

39 80.3 67.8 101.8

76 38.6 33.9 50.9



Abundance Ion 41.00 (40.70 to 41.70): VN060069.D (-770) (-)

Ion 39.00 (38.70 to 39.70): VN060069.D (-770) (-)

Ion 75.90 (75.60 to 76.60): VN060069.D (-770) (-)

80000

60000

40000

20000

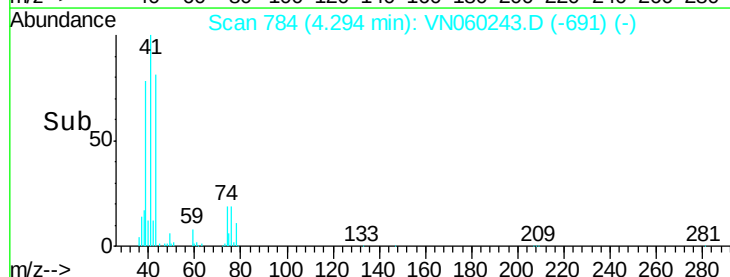
0

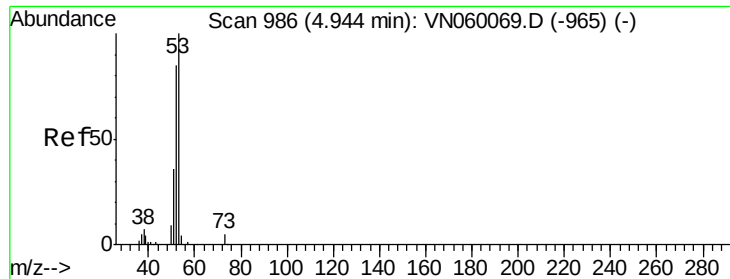
4.20

4.30

4.40

Time-->





#15

Acrylonitrile

Concen: 290.322 ug/l

RT: 4.94 min Scan# 986

Delta R.T. -0.00 min

Lab File: VN060243.D

Acq: 25 Feb 2020 18:37

Instrument :

MSVOA_N

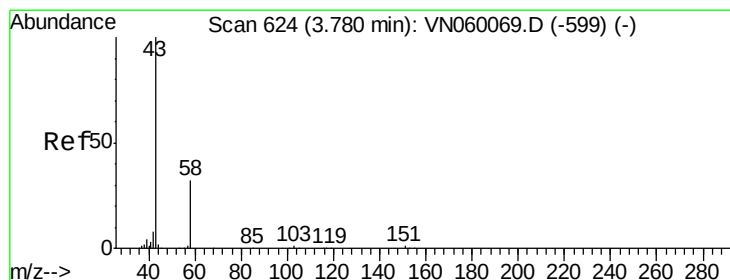
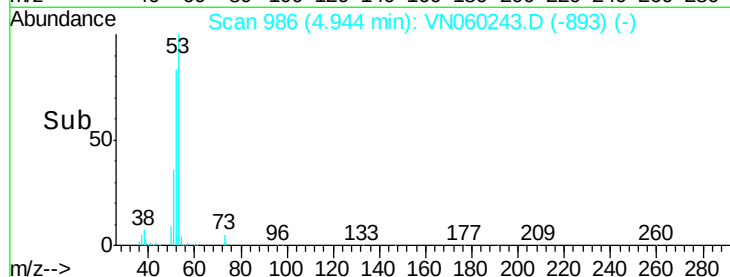
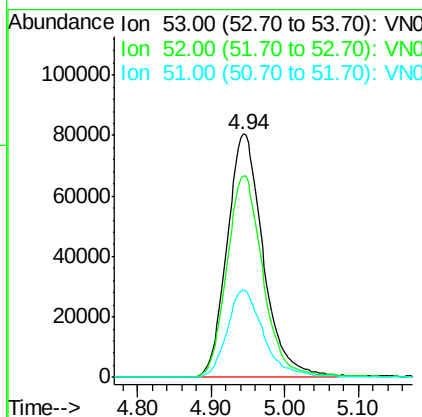
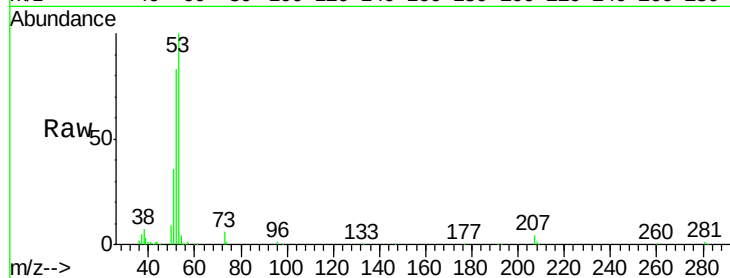
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	274490
Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.8	100.2
51	36.5	29.4	44.0

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#16

Acetone

Concen: 198.084 ug/l

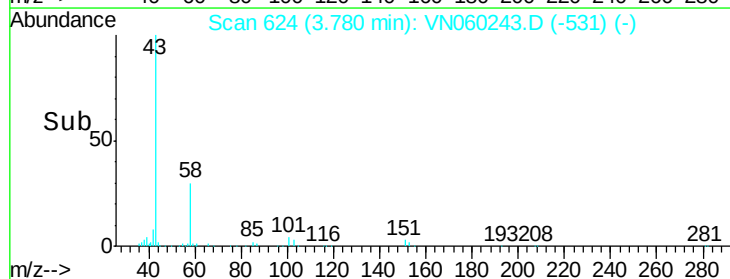
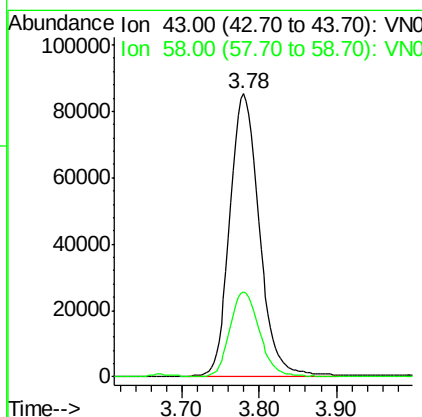
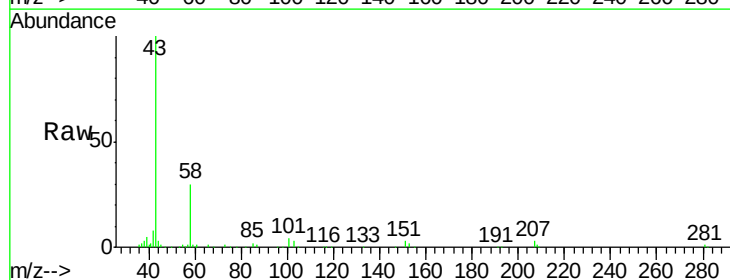
RT: 3.78 min Scan# 624

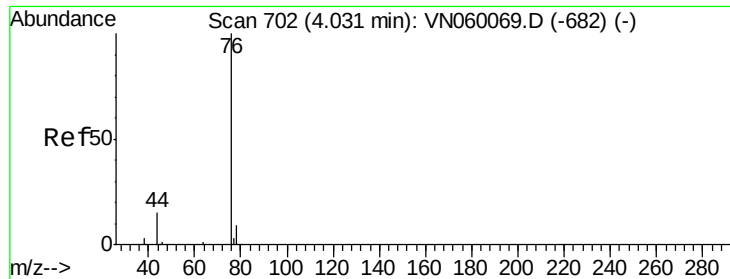
Delta R.T. -0.00 min

Lab File: VN060243.D

Acq: 25 Feb 2020 18:37

Tgt Ion:	43	Resp:	223535
Ion	Ratio	Lower	Upper
43	100		
58	30.0	25.2	37.8





#17

Carbon Disulfide

Concen: 46.788 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.00 min

Lab File: VN060243.D

Acq: 25 Feb 2020 18:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 283483

Ion Ratio Lower Upper

76 100

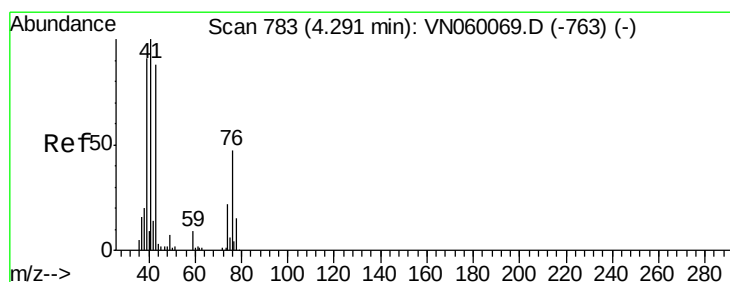
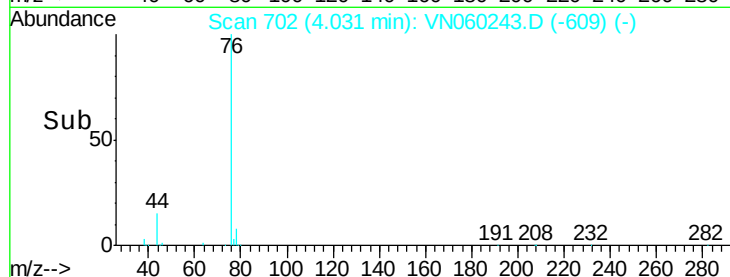
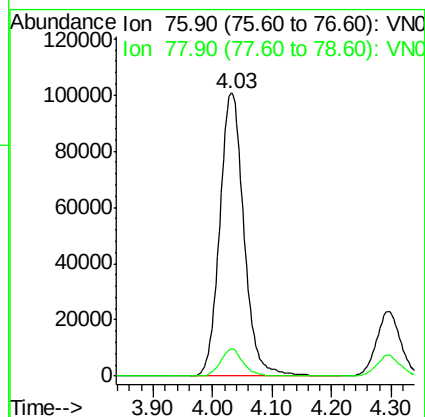
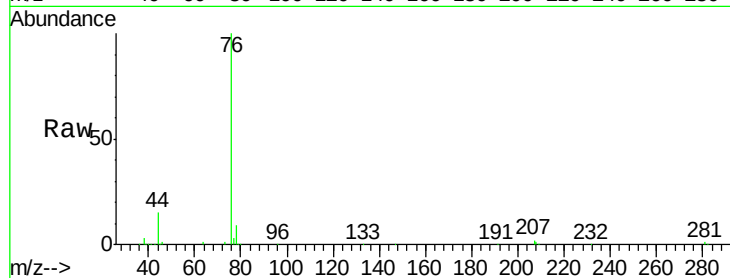
78 9.5 7.0 10.6

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#18

Methyl Acetate

Concen: 69.519 ug/l

RT: 4.29 min Scan# 782

Delta R.T. -0.00 min

Lab File: VN060243.D

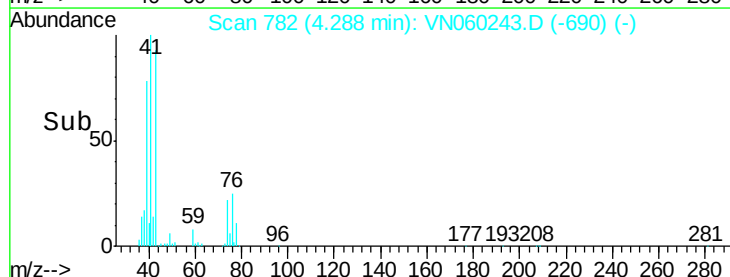
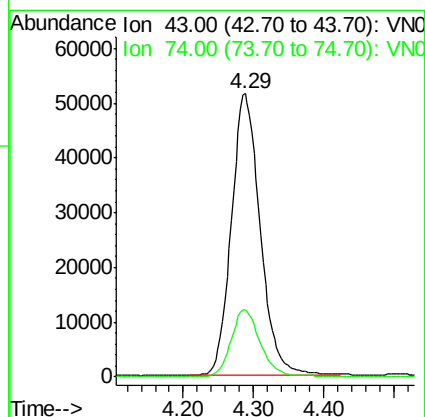
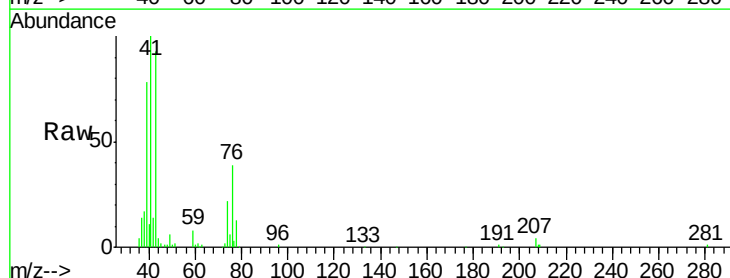
Acq: 25 Feb 2020 18:37

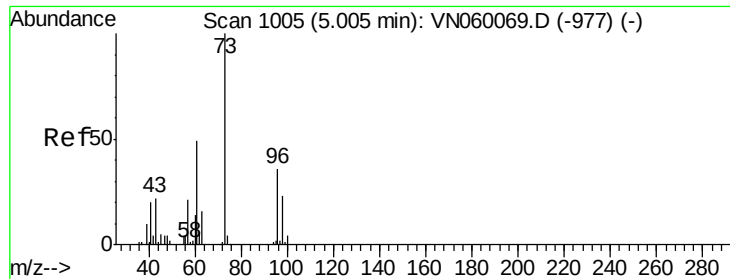
Tgt Ion: 43 Resp: 147371

Ion Ratio Lower Upper

43 100

74 24.2 20.3 30.5





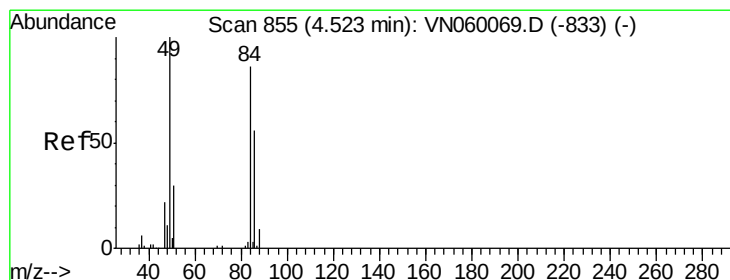
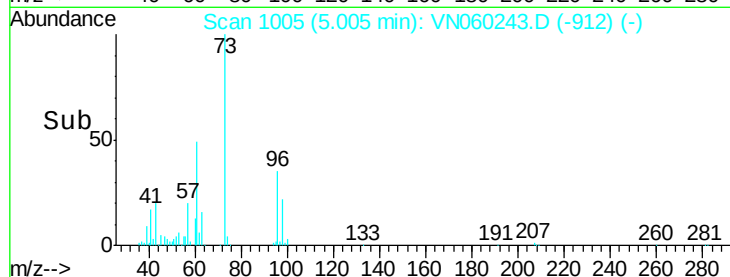
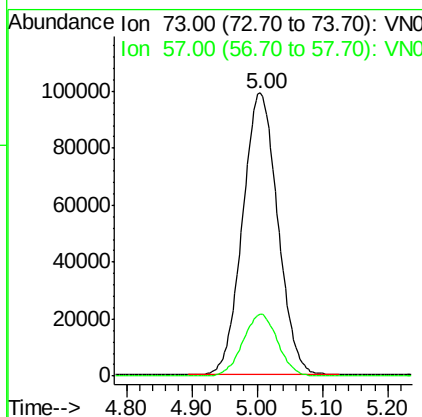
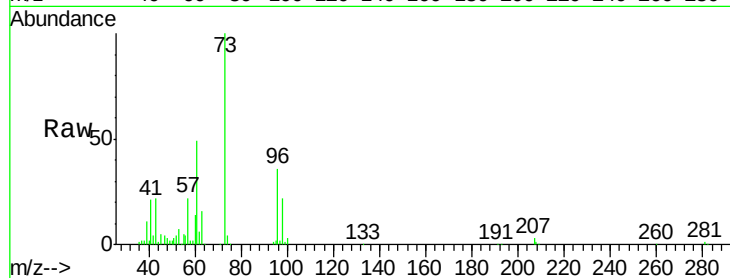
#19
Methvl tert-butyl Ether
Concen: 54.767 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.00 min
Lab File: VN060243.D
Acq: 25 Feb 2020 18:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 370228
Ion Ratio Lower Upper
73 100
57 21.9 17.2 25.8

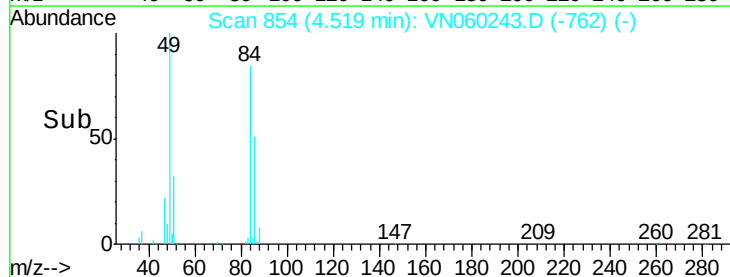
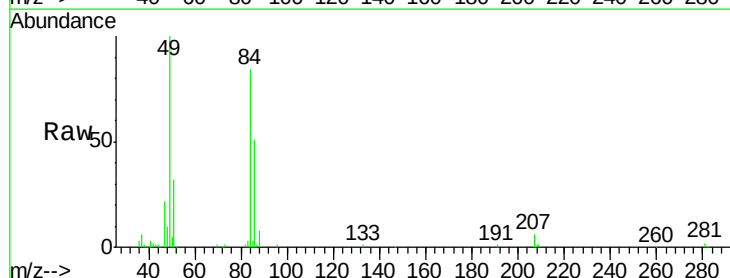
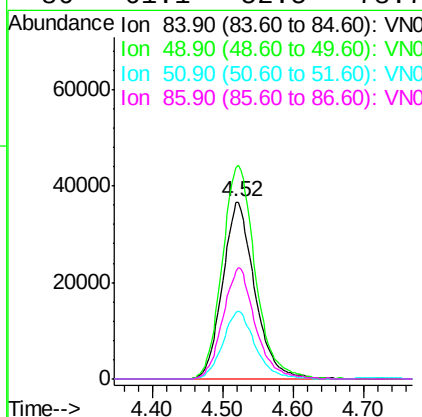
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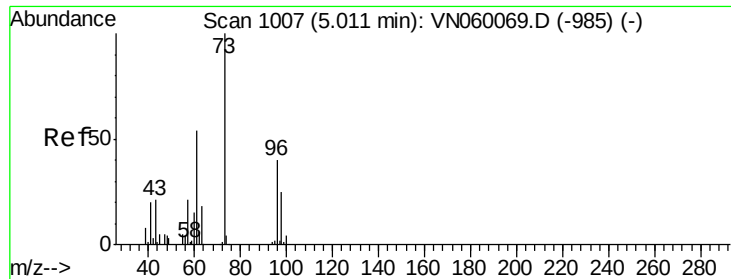
MMDadoda
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#20
Methylene Chloride
Concen: 51.947 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060243.D
Acq: 25 Feb 2020 18:37

Tgt Ion: 84 Resp: 116953
Ion Ratio Lower Upper
84 100
49 119.7 93.4 140.0
51 38.0 28.4 42.6
86 61.1 52.5 78.7





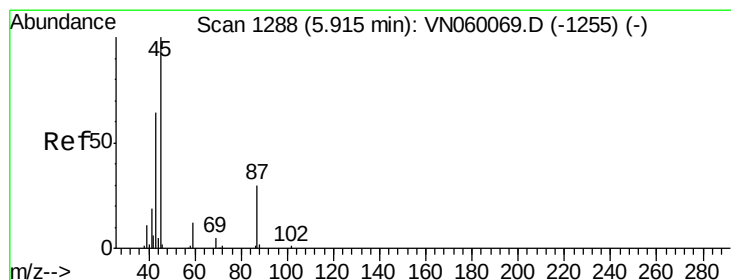
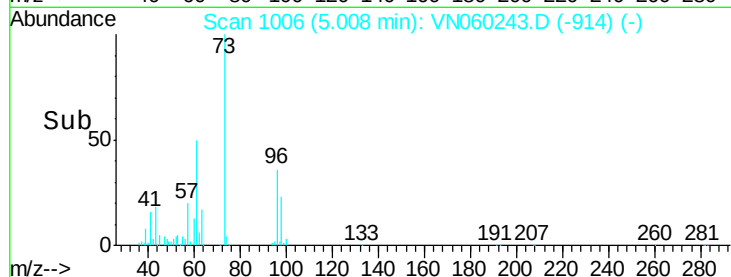
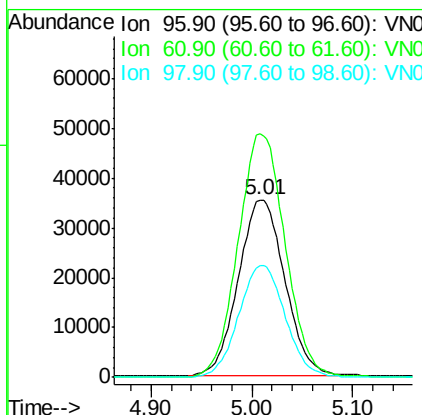
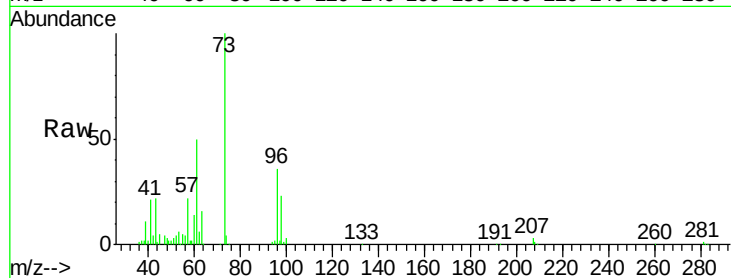
#21
trans-1,2-Dichloroethene
Concen: 51.322 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN060243.D
Acq: 25 Feb 2020 18:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.5	109.3	163.9
98	63.8	51.0	76.6

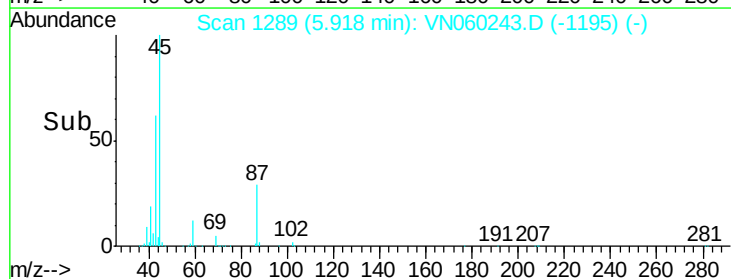
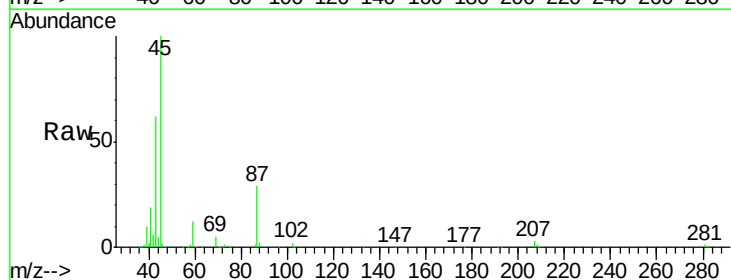
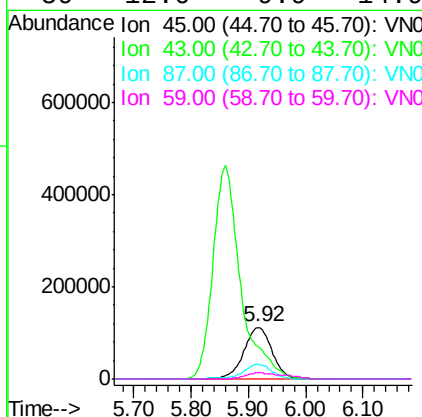
Manual Integrations
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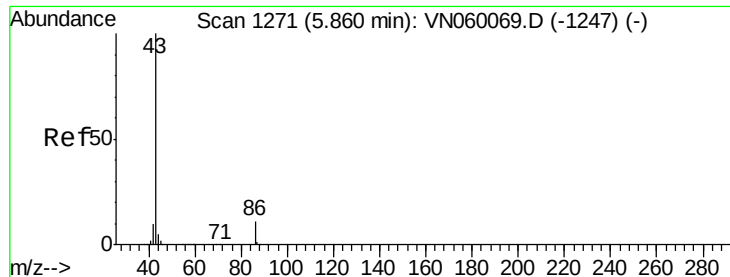
MMDadoda
2/26/2020 10:44:38 AM



#22
Diisopropyl ether
Concen: 59.110 ug/l
RT: 5.92 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VN060243.D
Acq: 25 Feb 2020 18:37

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.6	55.9	83.9
87	28.5	24.5	36.7
59	12.0	9.9	14.9





#23

Vinyl Acetate

Concen: 285.868 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VN060243.D

Acq: 25 Feb 2020 18:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1556604

Ion Ratio Lower Upper

43 100

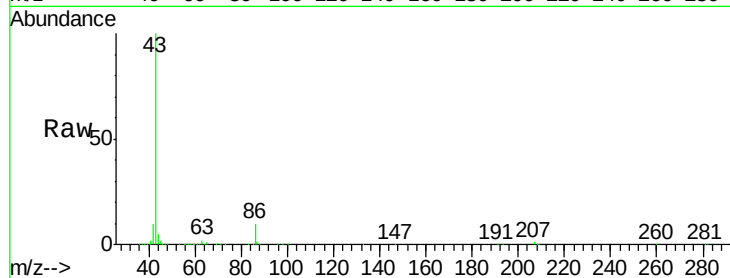
86 10.1 8.9 13.3

Manual Integrations

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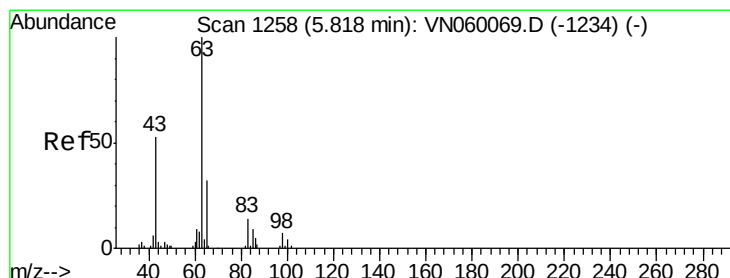
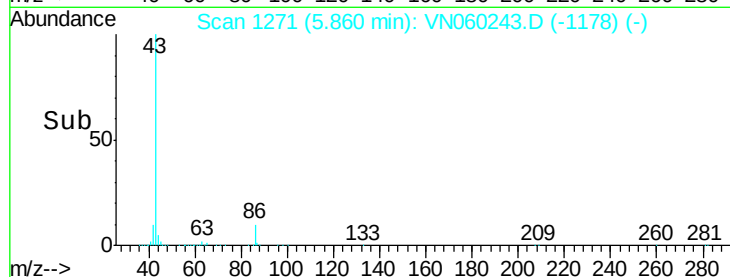
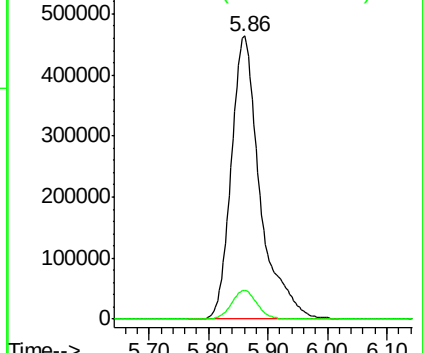
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 54.793 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN060243.D

Acq: 25 Feb 2020 18:37

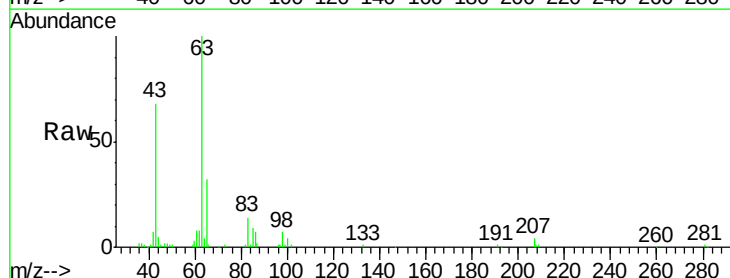
Tgt Ion: 63 Resp: 215230

Ion Ratio Lower Upper

63 100

98 6.5 3.5 10.5

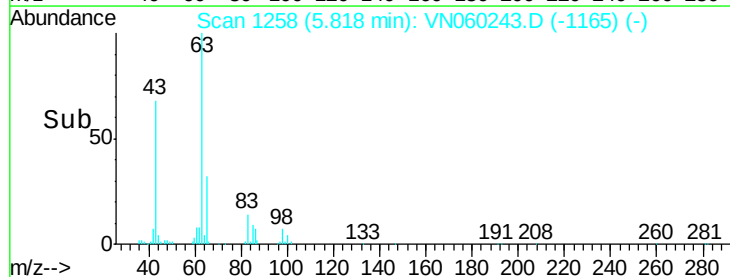
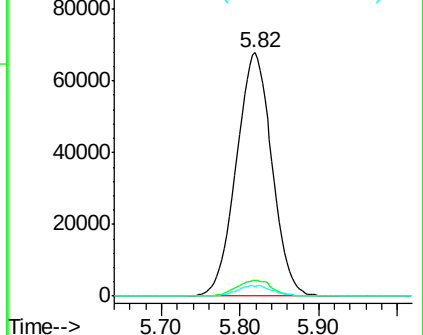
100 4.1 2.2 6.6

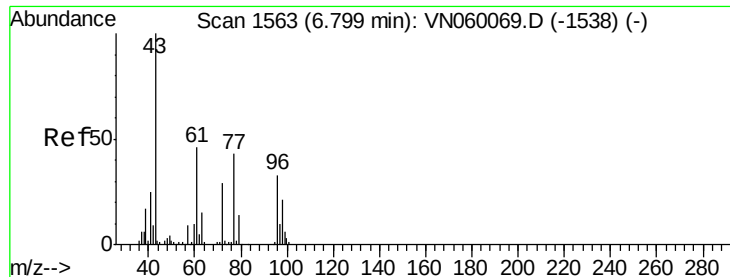


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 261.372 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN060243.D

Acq: 25 Feb 2020 18:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 370957

Ion Ratio Lower Upper

43 100

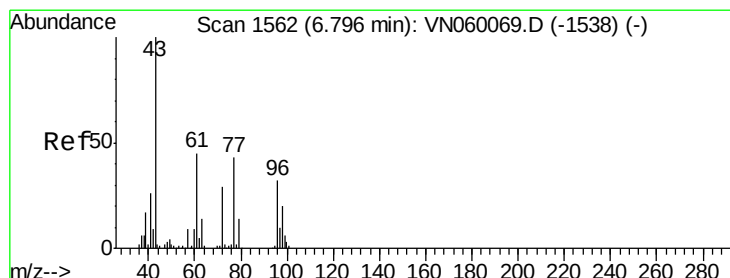
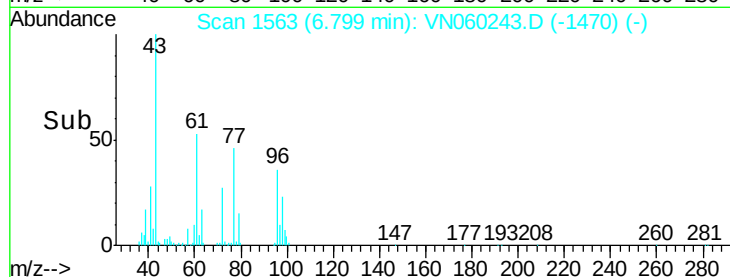
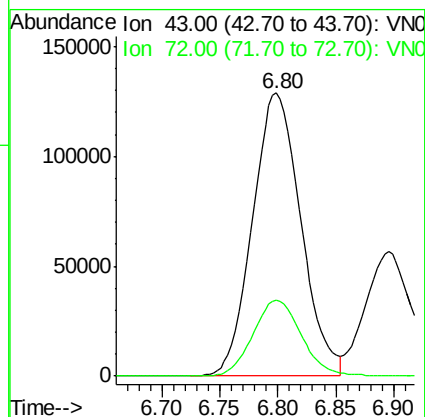
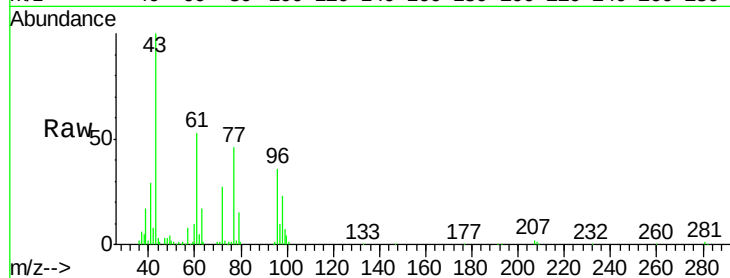
72 27.0 23.3 34.9

Manual Integrations

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2/26/2020 10:44:38 AM



#26

2,2-Dichloropropane

Concen: 50.511 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060243.D

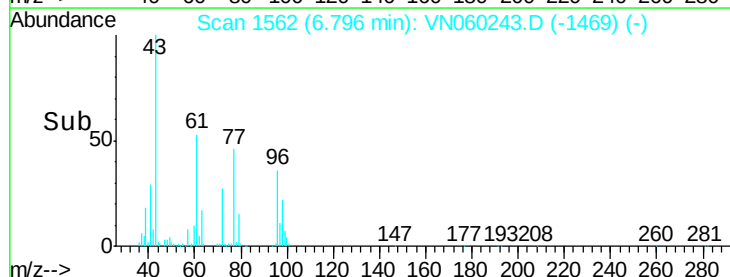
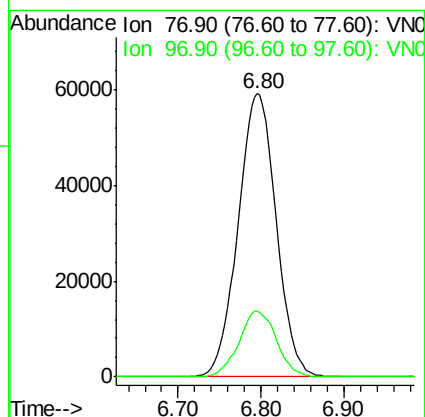
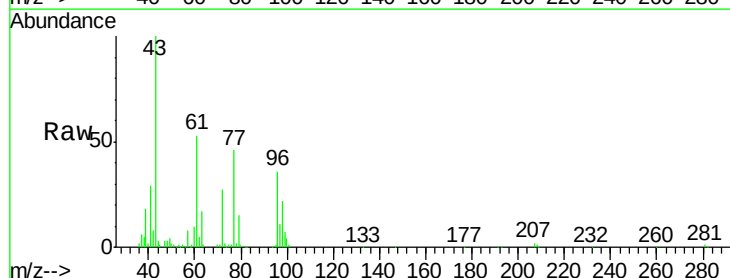
Acq: 25 Feb 2020 18:37

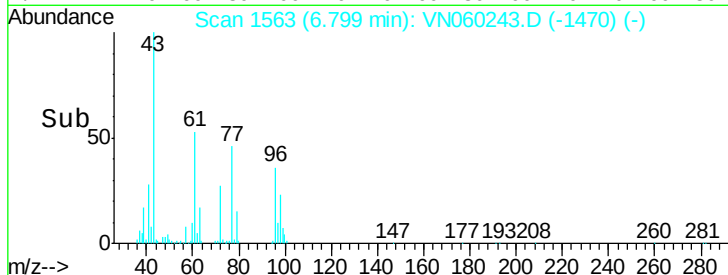
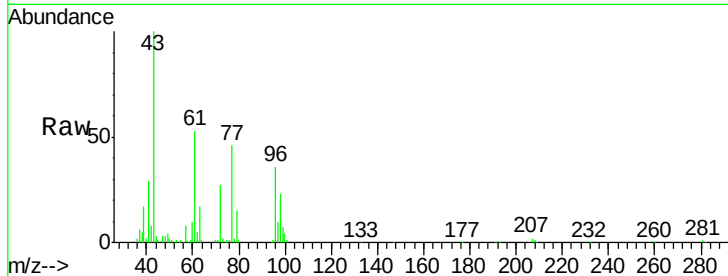
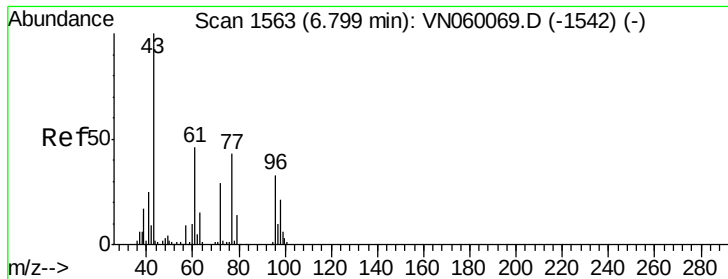
Tgt Ion: 77 Resp: 188453

Ion Ratio Lower Upper

77 100

97 22.9 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 52.331 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN060243.D

Acq: 25 Feb 2020 18:37

Tot Ion:	96	Resp:	134198
Ion	Ratio	Lower	Upper
96	100		
61	148.9	0.0	285.8
98	63.9	0.0	129.6

Instrument :

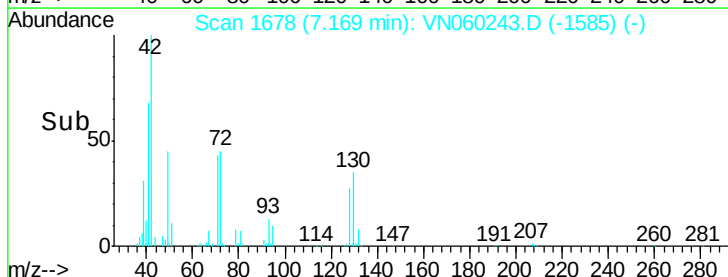
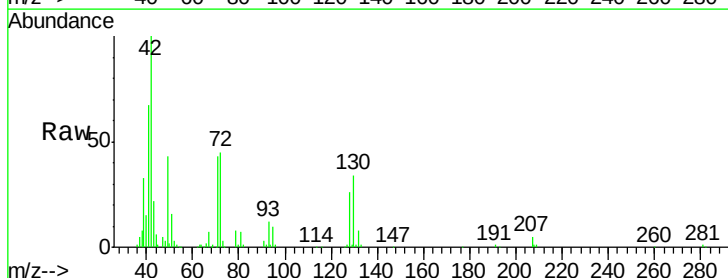
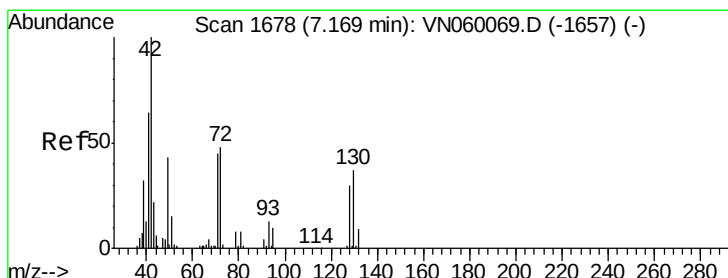
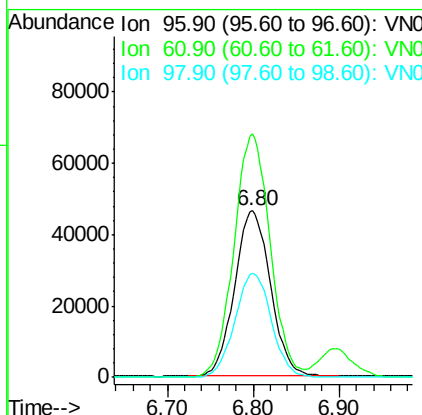
MSVOA_N

ClientSampleId :

VSTDCCC050EC

Manual Integrations
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#28

Bromochloromethane

Concen: 56.358 ug/l

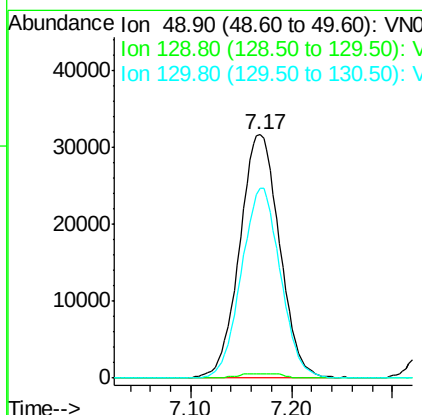
RT: 7.17 min Scan# 1678

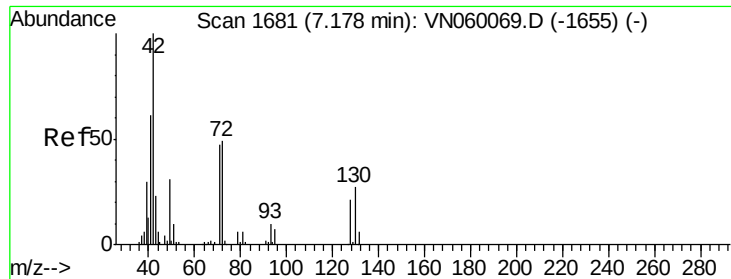
Delta R.T. -0.00 min

Lab File: VN060243.D

Acq: 25 Feb 2020 18:37

Tgt Ion:	49	Resp:	87031
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	2.2
130	76.2	66.8	100.2





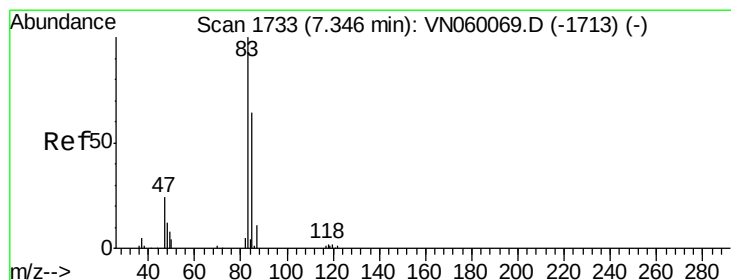
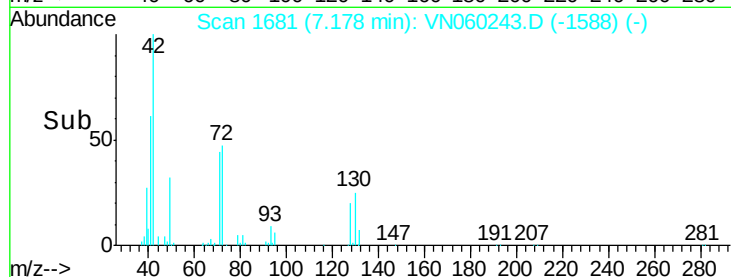
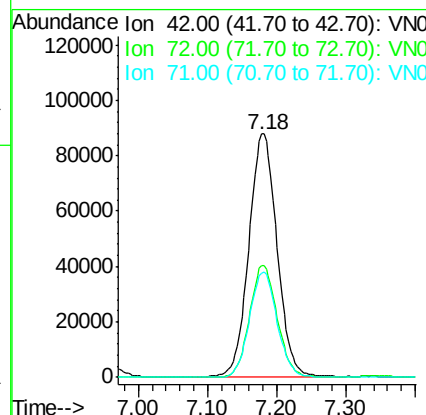
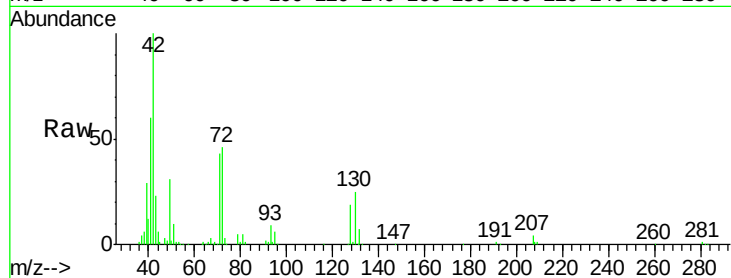
#29
Tetrahydrofuran
Concen: 286.370 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VN060243.D
Acq: 25 Feb 2020 18:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.9	38.2	57.4
71	42.3	36.6	54.8

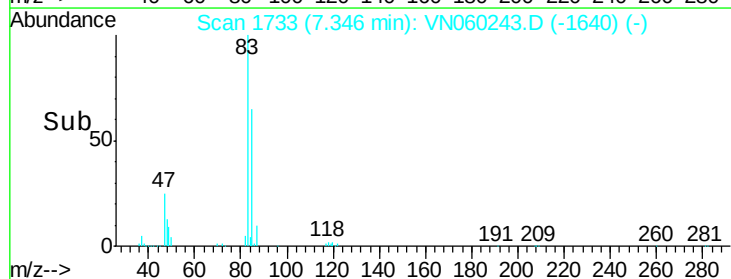
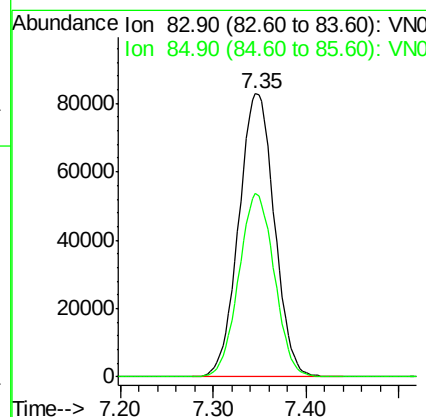
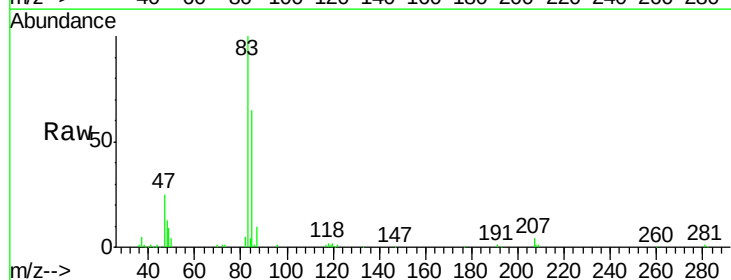
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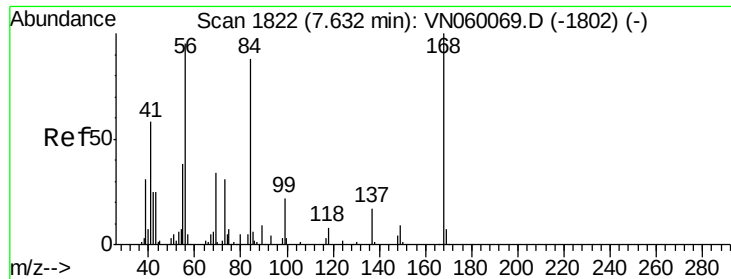
MMDadoda
2/26/2020 10:44:38 AM



#30
Chloroform
Concen: 53.628 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN060243.D
Acq: 25 Feb 2020 18:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.4	77.0





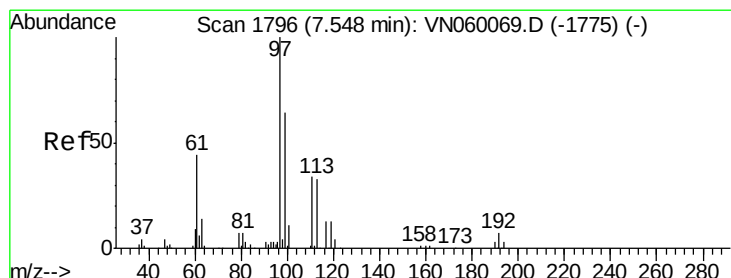
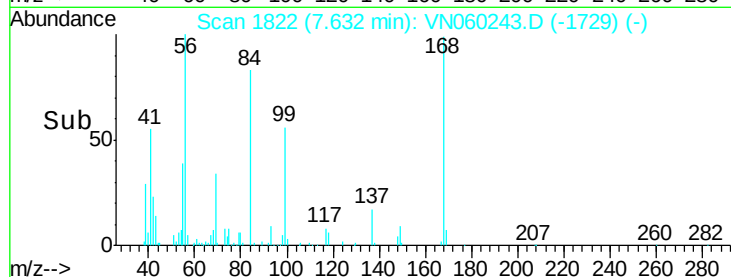
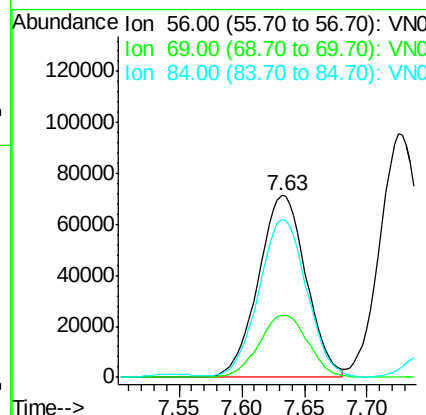
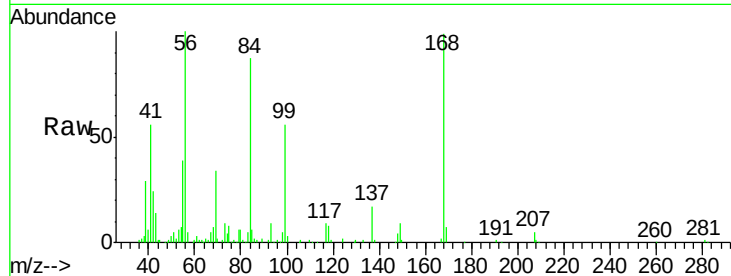
#31
Cyclohexane
Concen: 51.780 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN060243.D
Acq: 25 Feb 2020 18:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	34.1	28.3	42.5	
84	85.7	72.6	108.8	

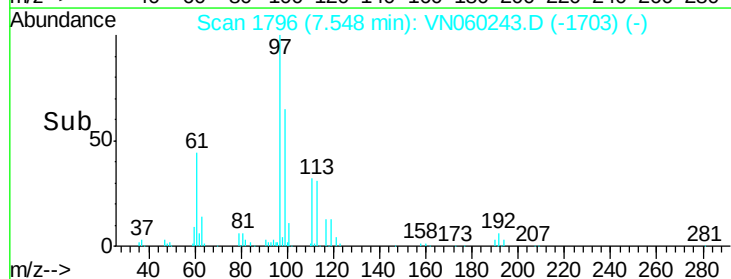
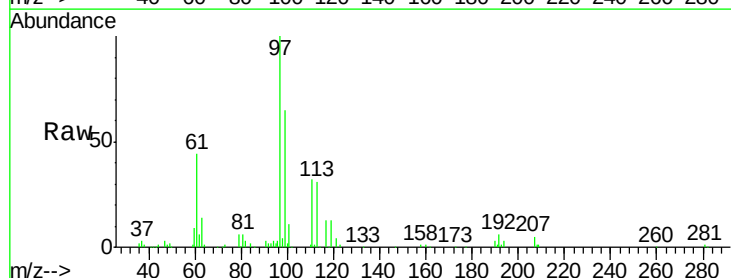
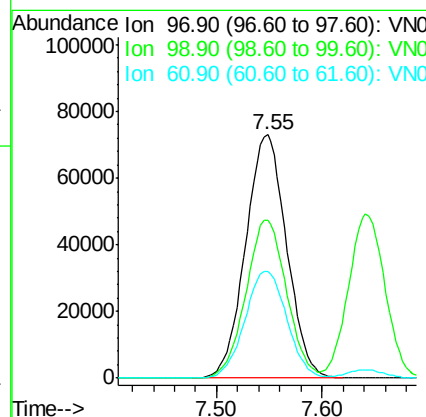
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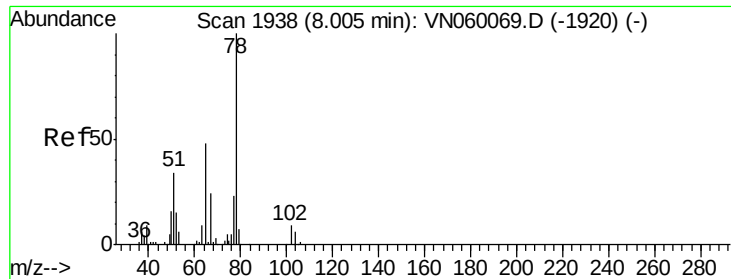
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 52.427 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN060243.D
Acq: 25 Feb 2020 18:37

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	64.3	51.4	77.0	
61	44.9	34.9	52.3	





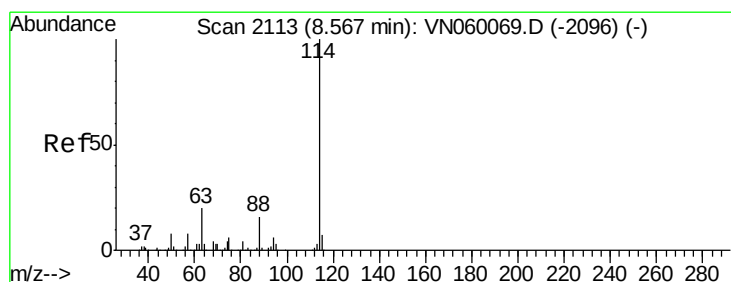
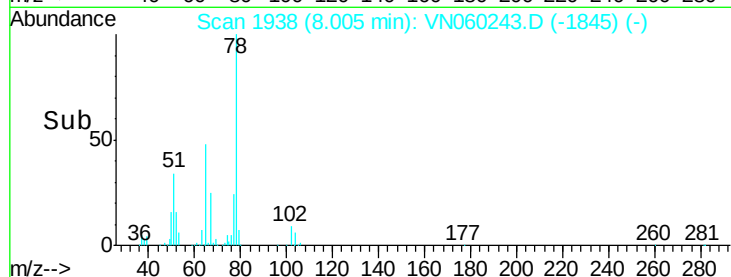
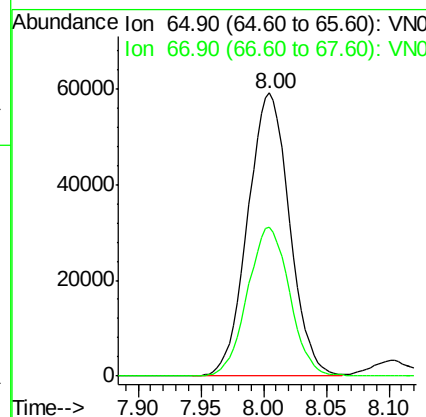
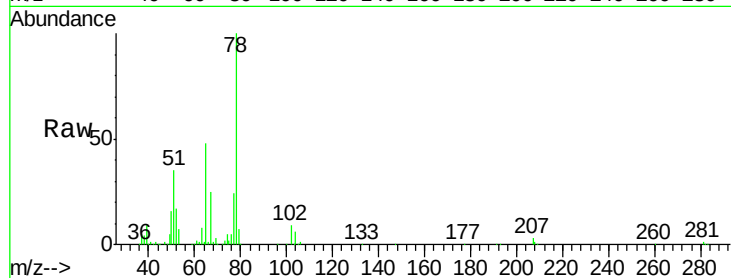
#33
 1,2-Dichloroethane-d4
 Concen: 53.005 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN060243.D
 Acq: 25 Feb 2020 18:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	104.0

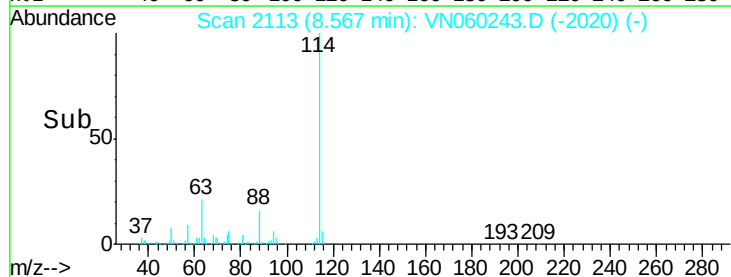
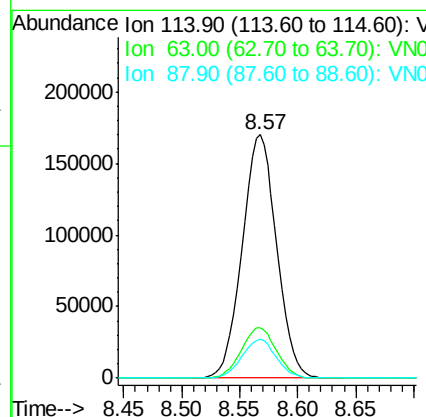
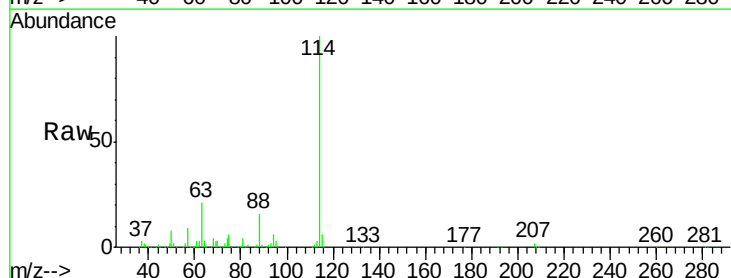
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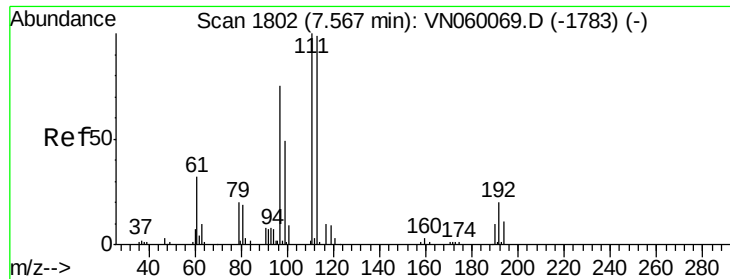
MMDadoda
 2/26/2020 10:44:38 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060243.D
 Acq: 25 Feb 2020 18:37

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	40.0
88	15.8	0.0	31.6





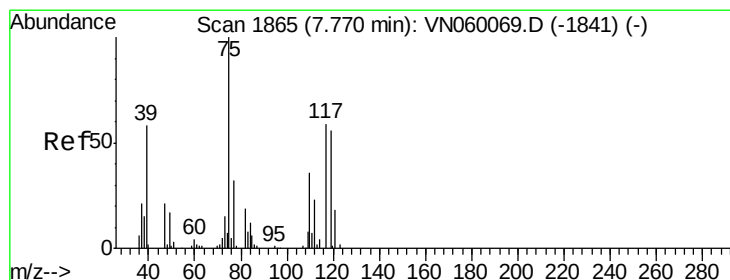
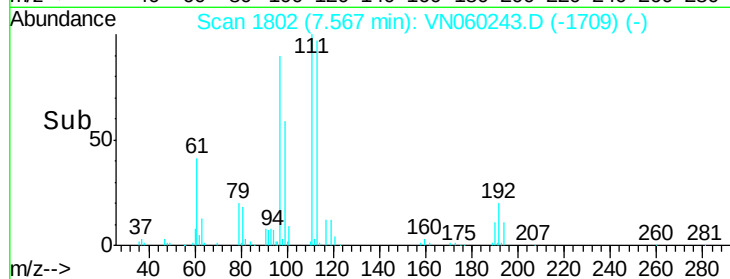
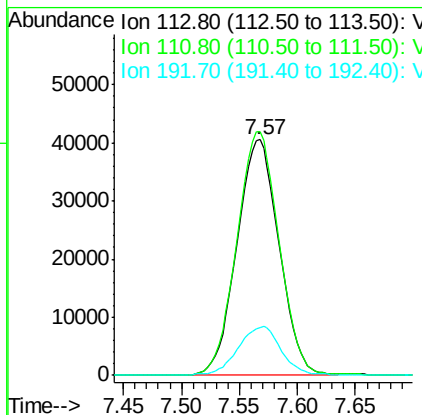
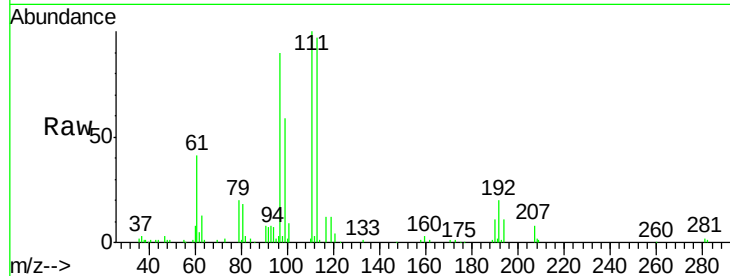
#35
 Dibromofluoromethane
 Concen: 47.771 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN060243.D
 Acq: 25 Feb 2020 18:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.4	122.2
192	21.2	16.2	24.2

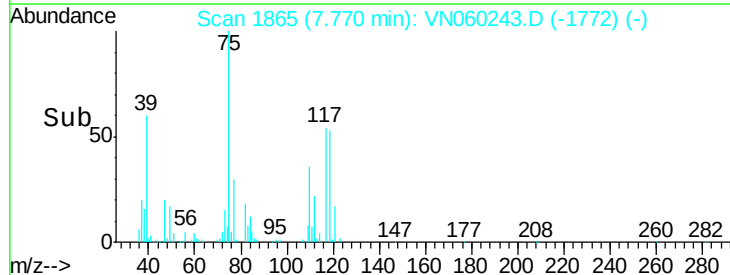
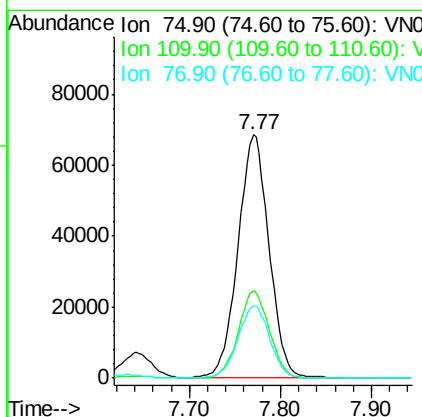
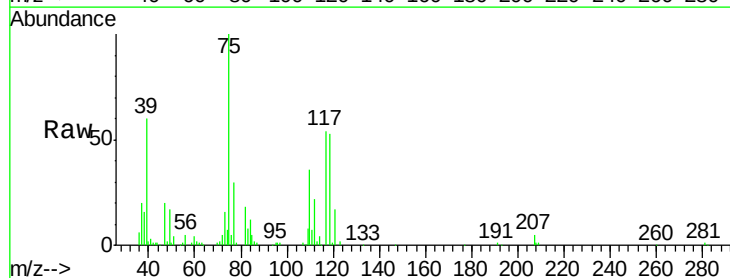
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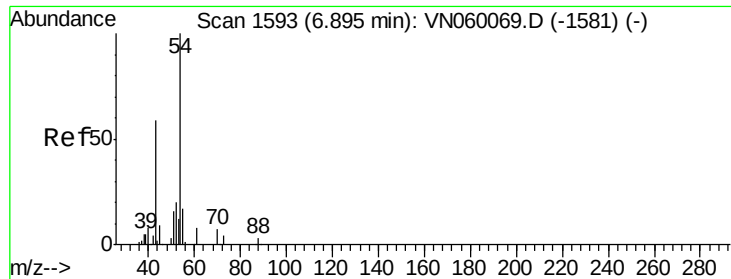
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 49.925 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN060243.D
 Acq: 25 Feb 2020 18:37

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.7	18.1	54.3
77	30.7	25.1	37.7





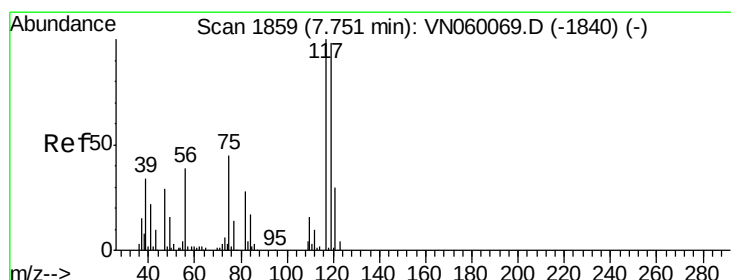
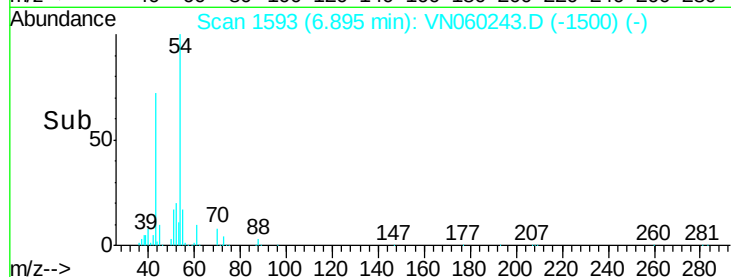
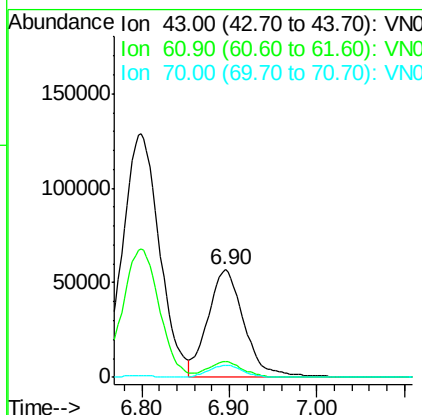
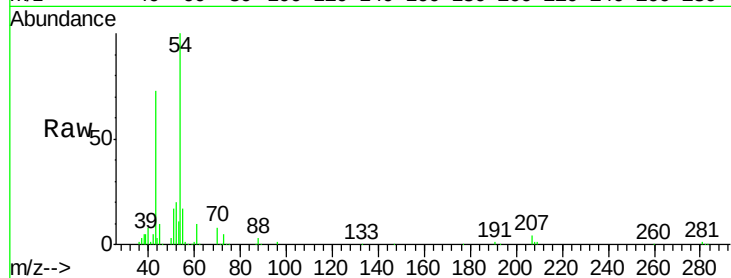
#37
Ethyl Acetate
Concen: 54.723 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. -0.00 min
Lab File: VN060243.D
Acq: 25 Feb 2020 18:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.4	17.2
70	10.8	8.7	13.1

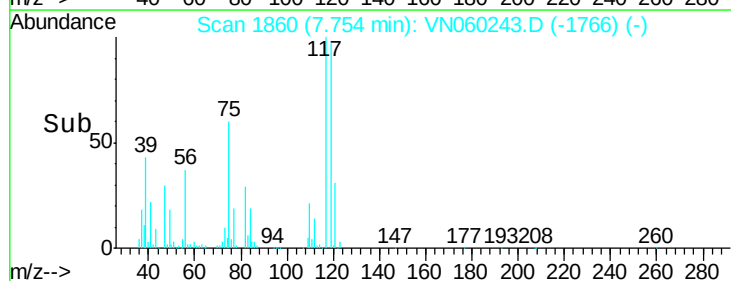
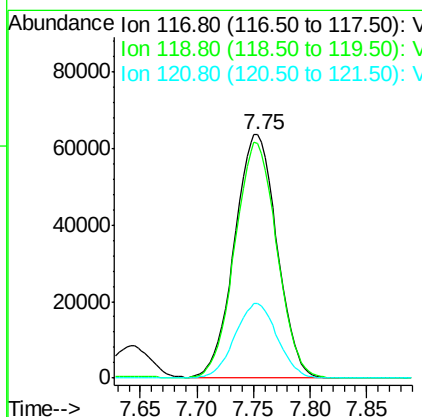
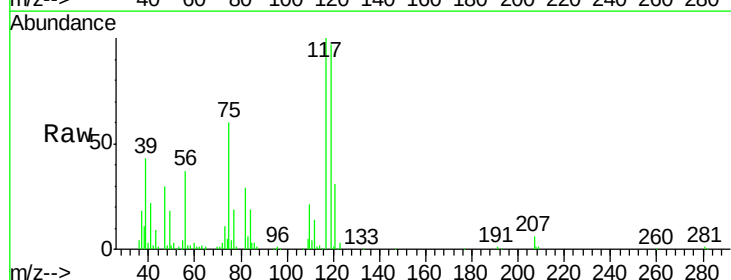
Manual Integrations
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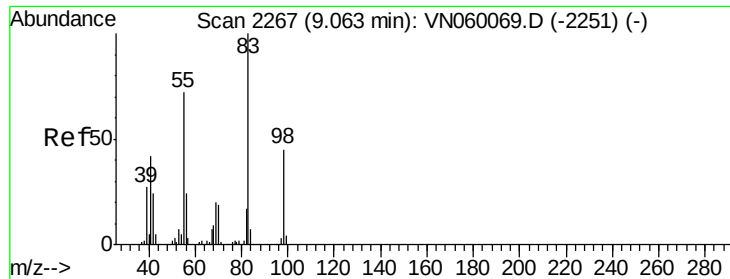
MMDadoda
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#38
Carbon Tetrachloride
Concen: 47.184 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN060243.D
Acq: 25 Feb 2020 18:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.2	78.2	117.4
121	30.7	24.2	36.2





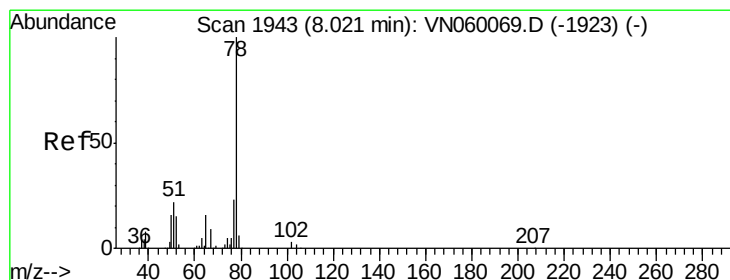
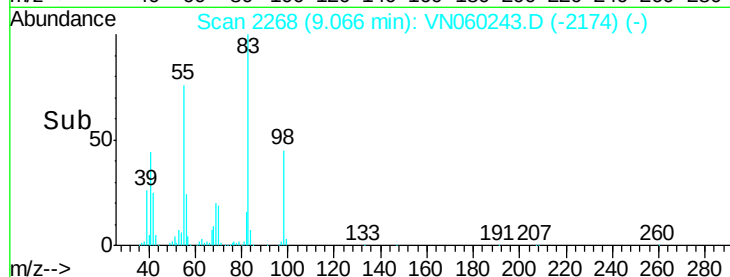
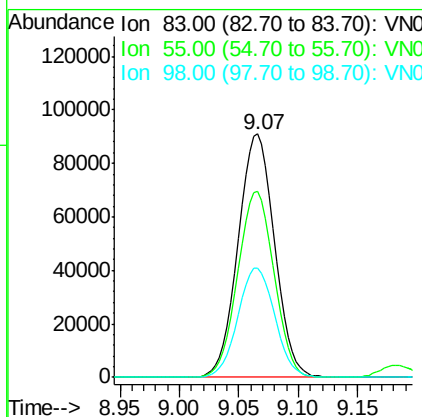
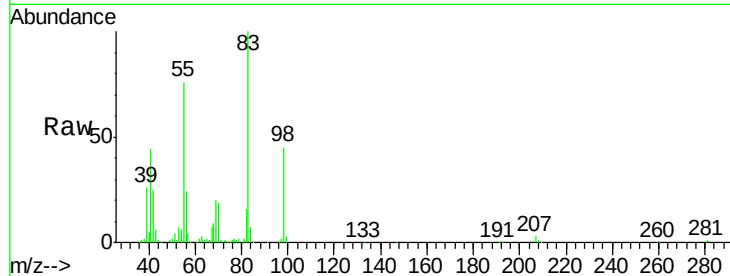
#39
Methylvlcyclohexane
Concen: 48.064 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN060243.D
Acq: 25 Feb 2020 18:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.4	57.8	86.8
98	44.9	36.4	54.6

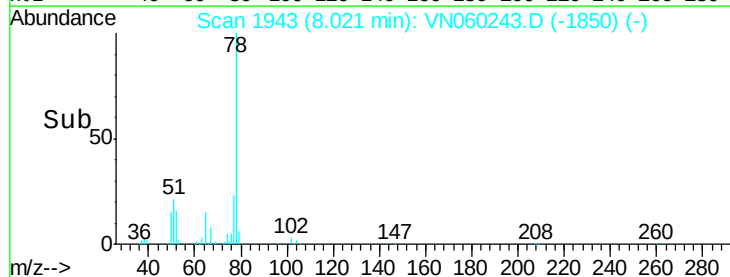
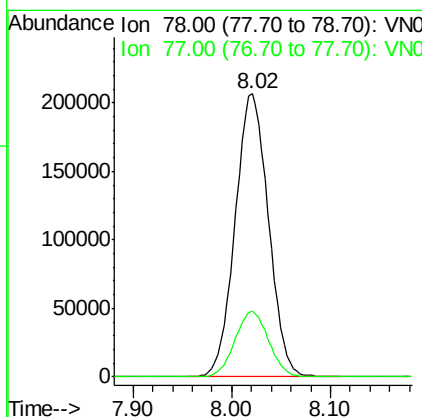
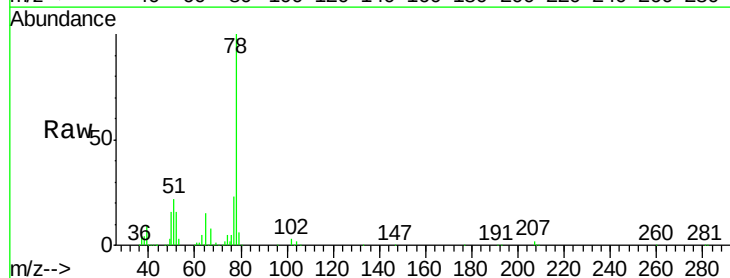
Manual Integrations
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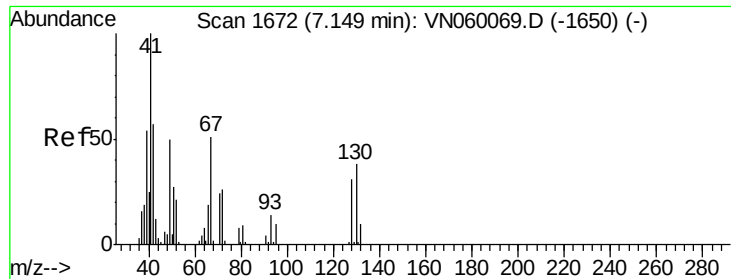
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#40
Benzene
Concen: 50.447 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN060243.D
Acq: 25 Feb 2020 18:37

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.8	28.2





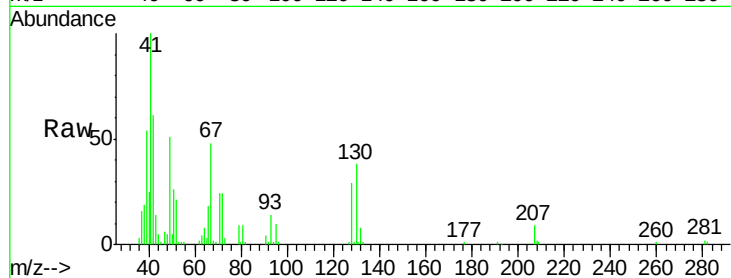
#41
Methacrylonitrile
Concen: 62.601 ug/l m
RT: 7.15 min Scan# 1672
Delta R.T. 0.00 min
Lab File: VN060243.D
Acq: 25 Feb 2020 18:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

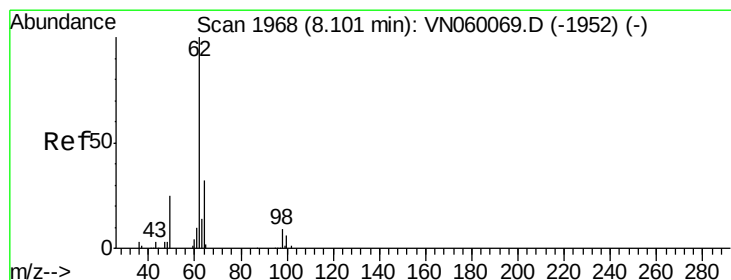
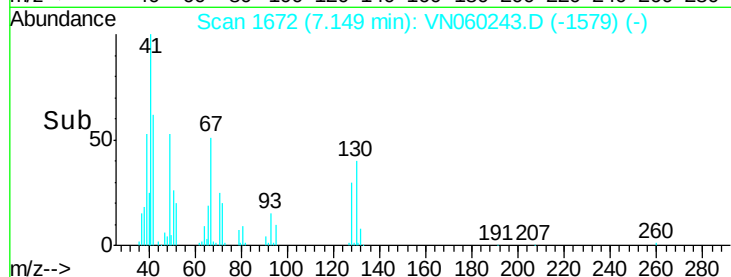
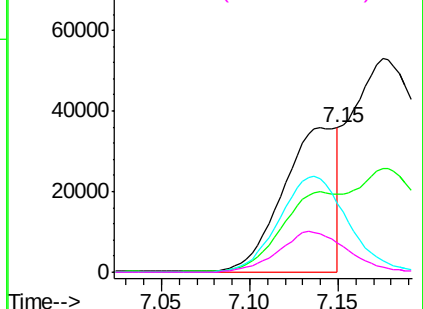
Tot Ion	41	Resp	76822
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Manual Integrations
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2/26/2020 10:44:38 AM

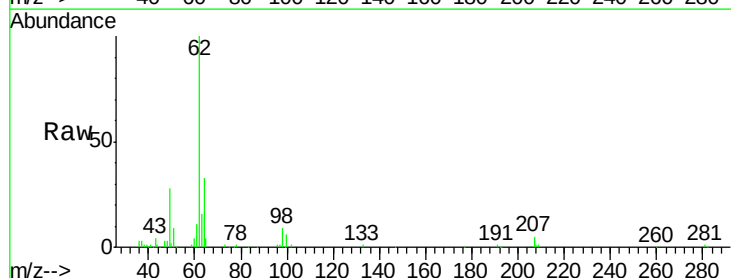


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

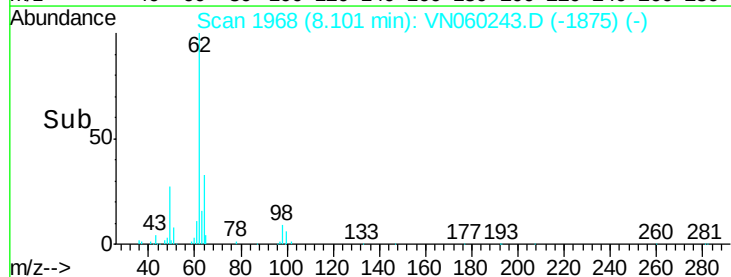
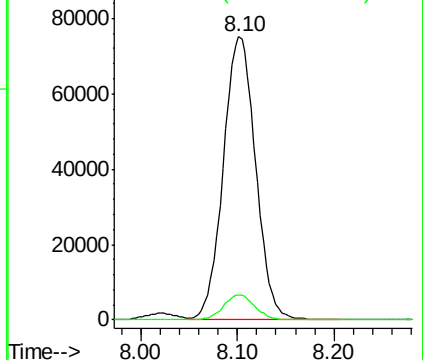


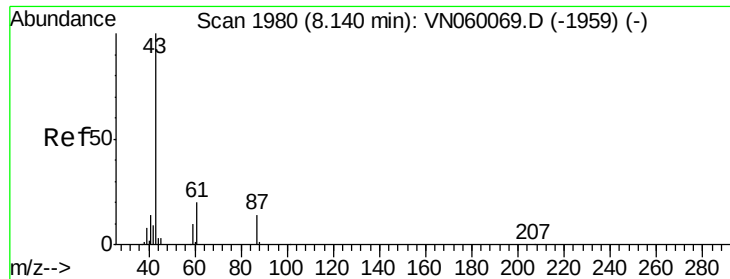
#42
1,2-Dichloroethane
Concen: 51.910 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN060243.D
Acq: 25 Feb 2020 18:37

Tgt Ion	62	Resp	174740
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	18.2



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 55.375 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN060243.D

Acq: 25 Feb 2020 18:37

Instrument :

MSVOA_N

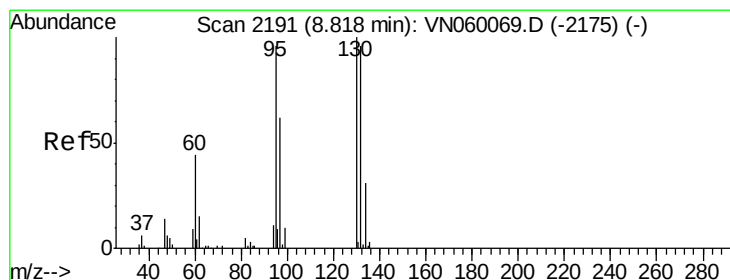
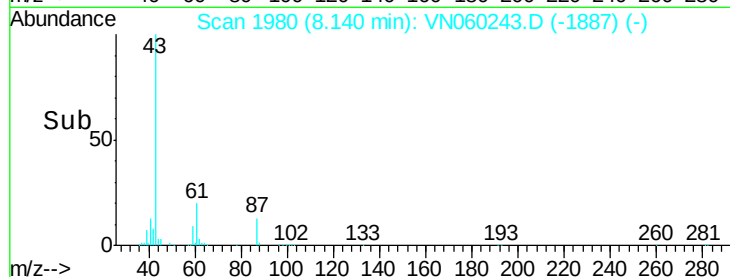
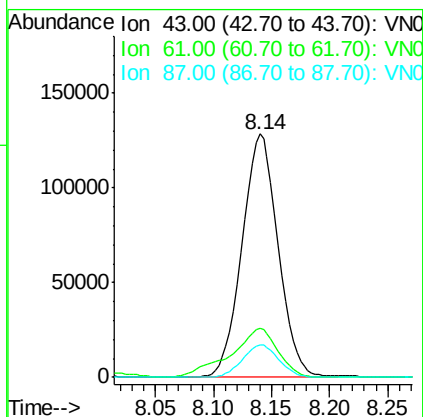
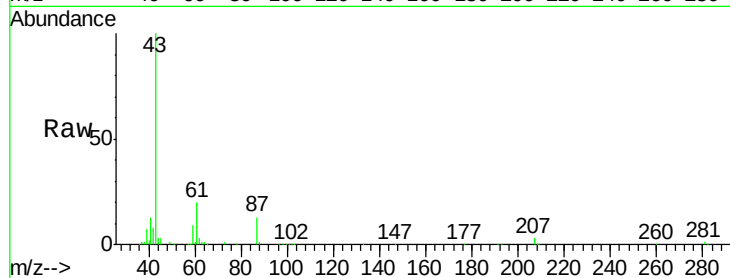
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	276994
Ion	Ratio	Lower	Upper
43	100		
61	26.7	21.8	32.6
87	13.5	11.4	17.2

Manual Integrations
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MMDadoda
2/26/2020 10:44:38 AM



#44

Trichloroethene

Concen: 52.344 ug/l

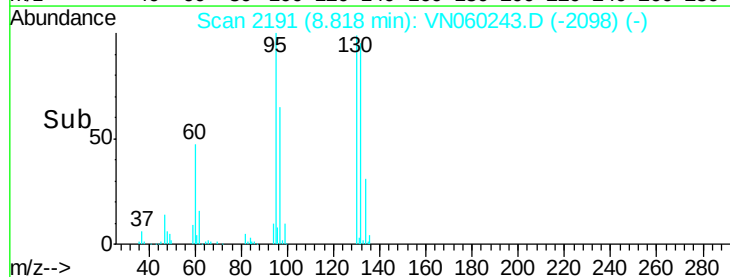
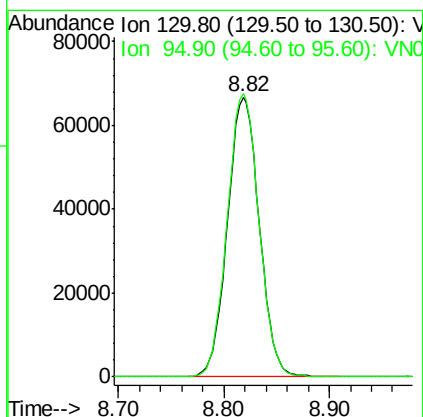
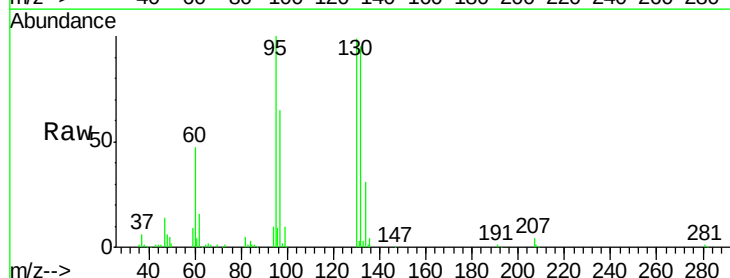
RT: 8.82 min Scan# 2191

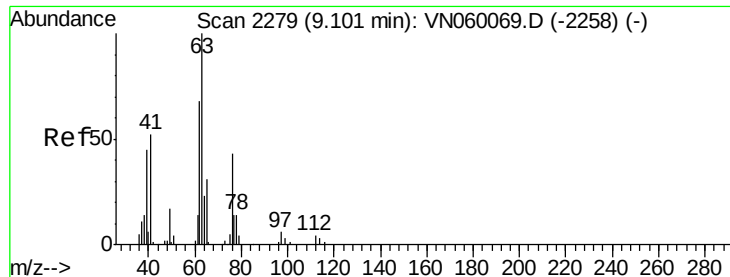
Delta R.T. -0.00 min

Lab File: VN060243.D

Acq: 25 Feb 2020 18:37

Tgt Ion:	130	Resp:	139206
Ion	Ratio	Lower	Upper
130	100		
95	101.2	0.0	192.4





#45

1,2-Dichloropropane

Concen: 54.354 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VN060243.D

Acq: 25 Feb 2020 18:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 129243

Ion Ratio Lower Upper

63 100

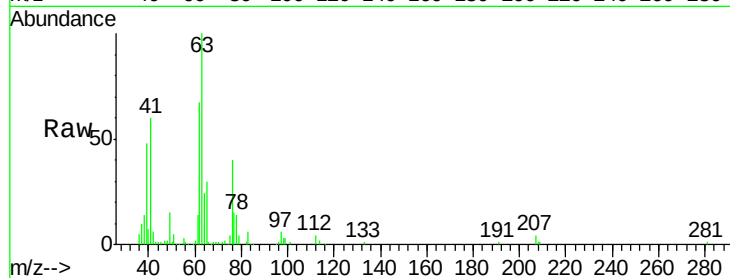
65 30.4 25.0 37.4

Manual Integrations

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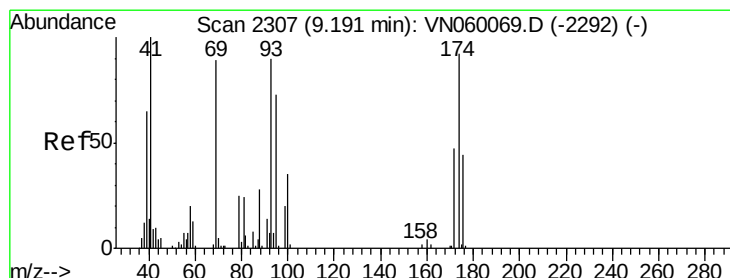
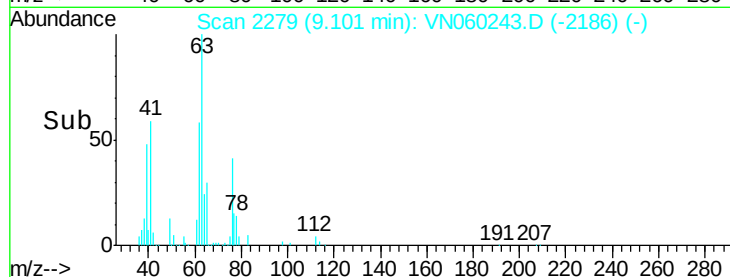
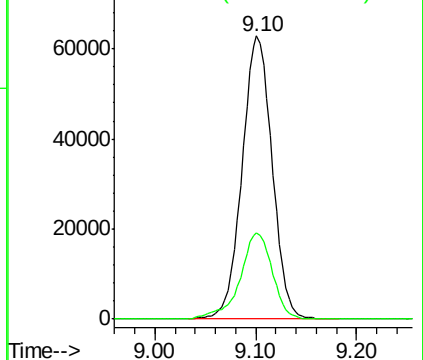
MMDadoda

2/26/2020 10:44:38 AM



Abundance Ion 62.90 (62.60 to 63.60): VN060069.D (-2258) (-)

Ion 64.90 (64.60 to 65.60): VN060069.D (-2258) (-)



#46

Dibromomethane

Concen: 50.985 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN060243.D

Acq: 25 Feb 2020 18:37

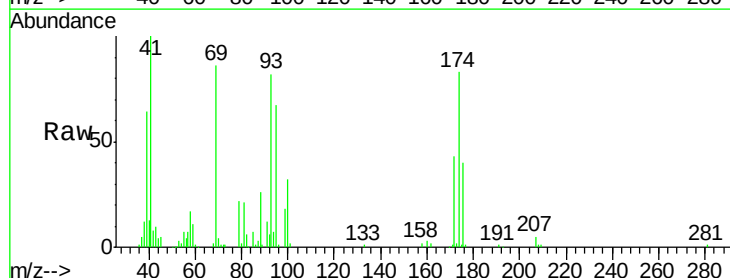
Tgt Ion: 93 Resp: 85673

Ion Ratio Lower Upper

93 100

95 81.0 65.0 97.6

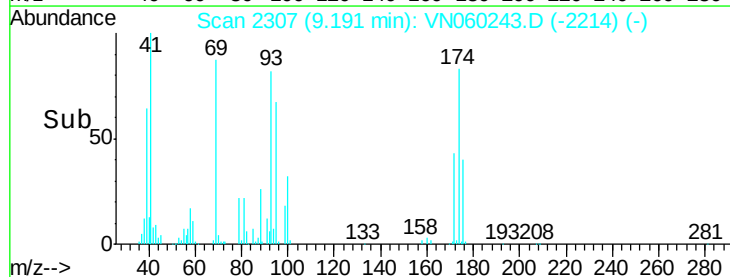
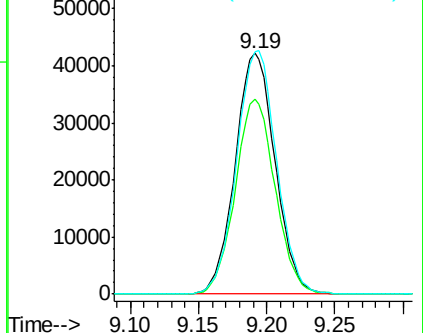
174 101.3 82.3 123.5

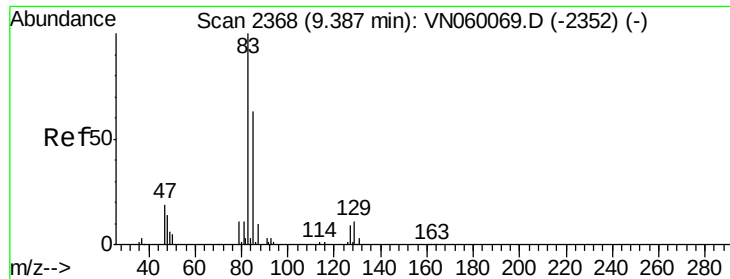


Abundance Ion 92.80 (92.50 to 93.50): VN060069.D (-2292) (-)

Ion 94.80 (94.50 to 95.50): VN060069.D (-2292) (-)

Ion 173.70 (173.40 to 174.40): VN060069.D (-2292) (-)





#47

Bromodichloromethane

Concen: 50.623 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN060243.D

Acq: 25 Feb 2020 18:37

Instrument :

MSVOA_N

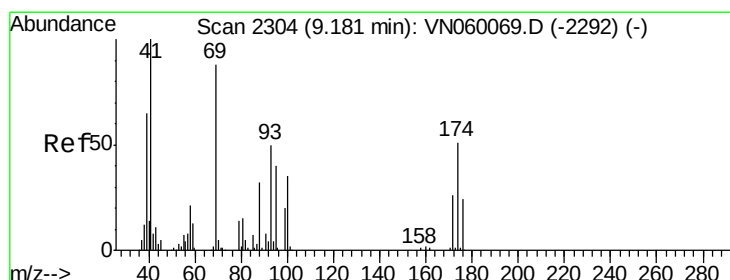
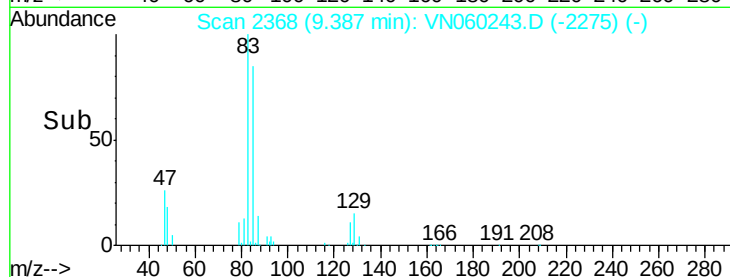
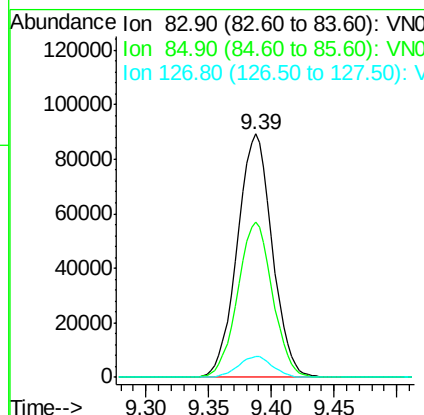
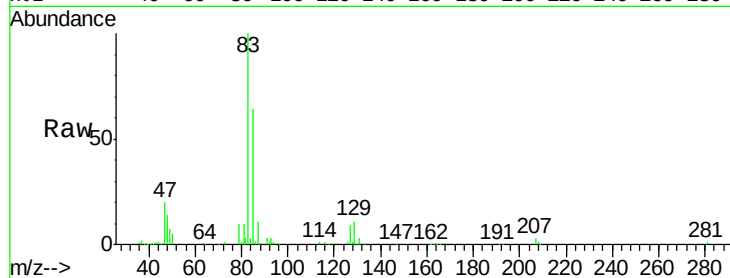
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	172942
Ion	Ratio	Lower	Upper
83	100		
85	63.8	50.6	75.8
127	8.5	7.0	10.6

Manual Integrations
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MMDadoda
2/26/2020 10:44:38 AM



#48

Methyl methacrylate

Concen: 56.823 ug/l

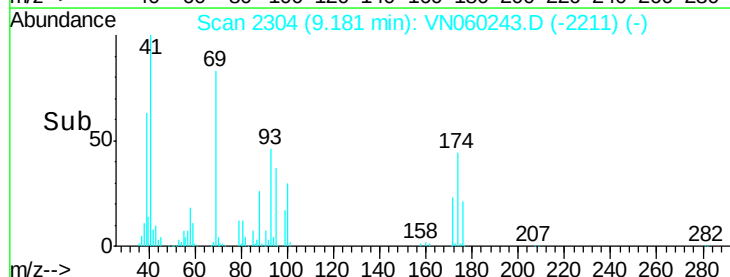
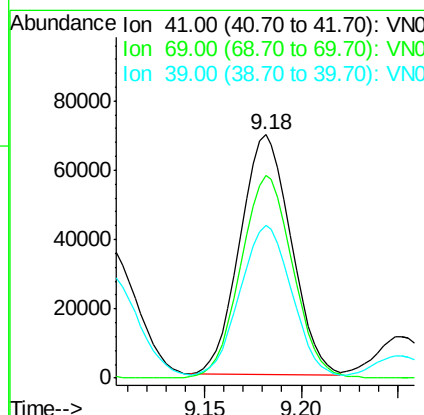
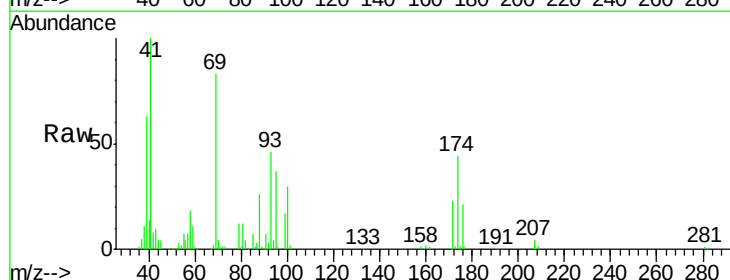
RT: 9.18 min Scan# 2304

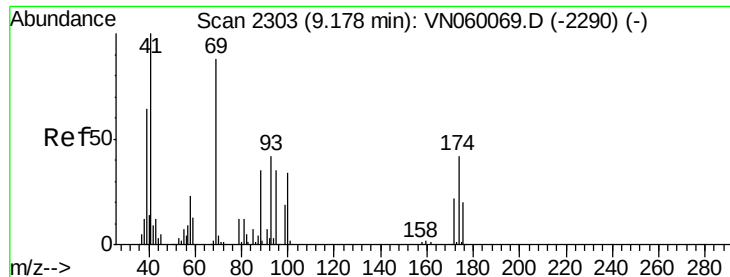
Delta R.T. -0.00 min

Lab File: VN060243.D

Acq: 25 Feb 2020 18:37

Tgt Ion:	41	Resp:	127527
Ion	Ratio	Lower	Upper
41	100		
69	86.1	72.0	108.0
39	64.8	54.1	81.1





#49

1,4-Dioxane

Concen: 1002.069 ug/l

RT: 9.18 min Scan# 2303

Delta R.T. -0.00 min

Lab File: VN060243.D

Acq: 25 Feb 2020 18:37

Instrument :

MSVOA_N

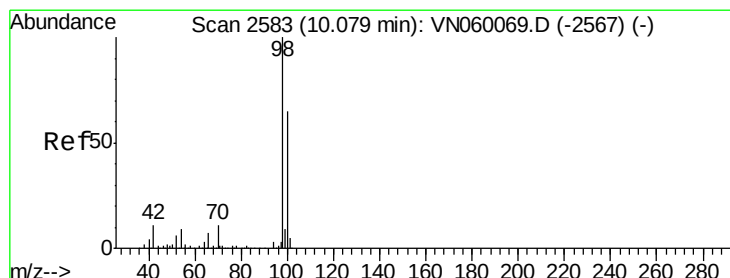
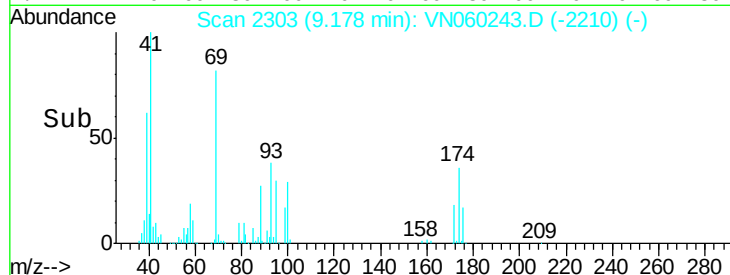
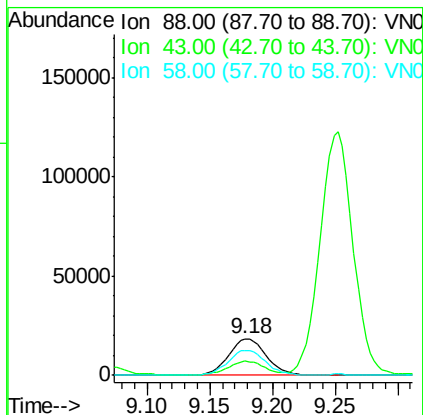
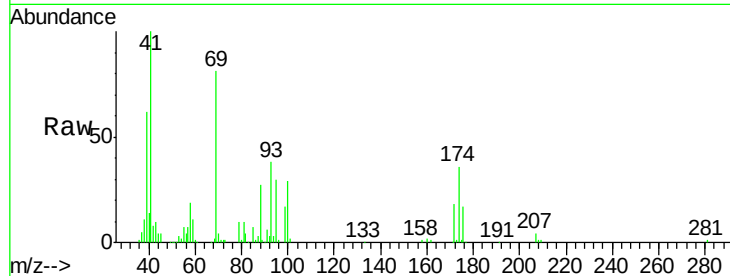
ClientSampleId :

VSTDCCC050EC

Tot Ion:	88	Resp:	38425
Ion	Ratio	Lower	Upper
88	100		
43	35.3	26.2	39.2
58	68.5	53.2	79.8

Manual Integrations
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MMDadoda
2/26/2020 10:44:38 AM



#50

Toluene-d8

Concen: 48.946 ug/l

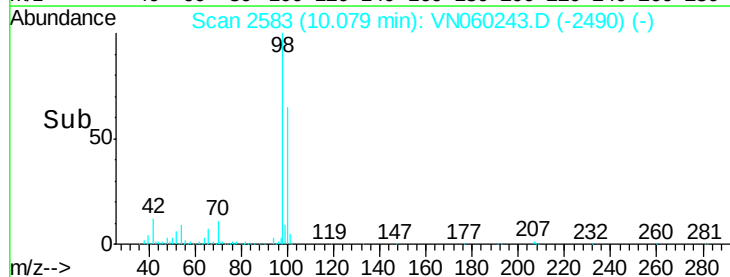
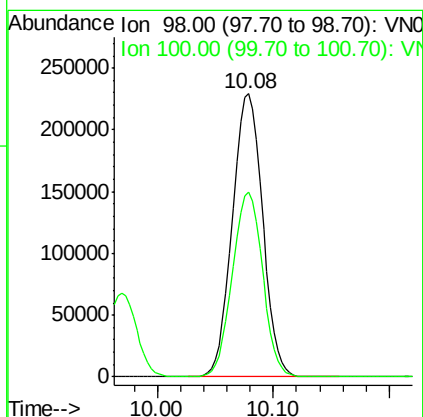
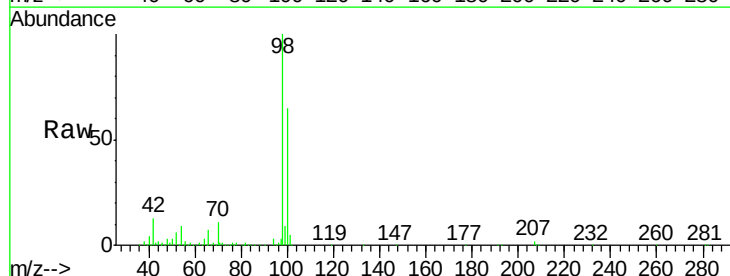
RT: 10.08 min Scan# 2583

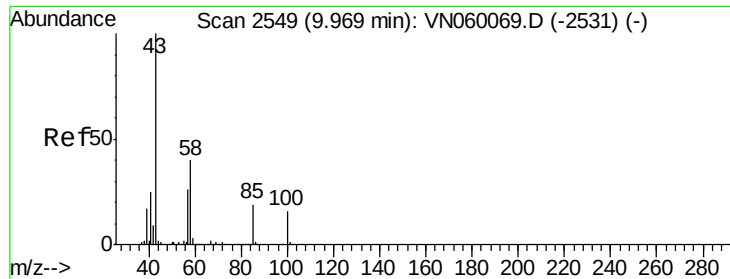
Delta R.T. -0.00 min

Lab File: VN060243.D

Acq: 25 Feb 2020 18:37

Tgt Ion:	98	Resp:	414165
Ion	Ratio	Lower	Upper
98	100		
100	65.2	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 280.255 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN060243.D

Acq: 25 Feb 2020 18:37

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 43 Resp: 811424

Ion Ratio Lower Upper

43 100

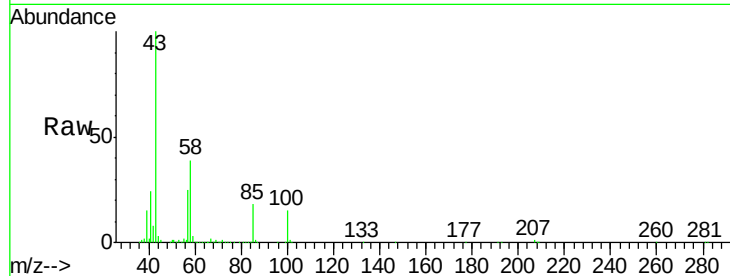
58 39.6 31.8 47.8

Manual Integrations

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MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN060069.D (-2531) (-)

Ion 58.00 (57.70 to 58.70): VN060069.D (-2531) (-)

9.97

400000

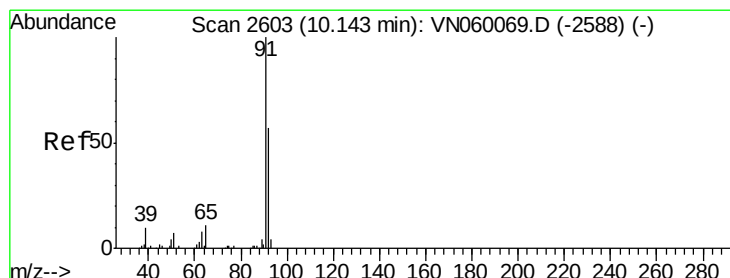
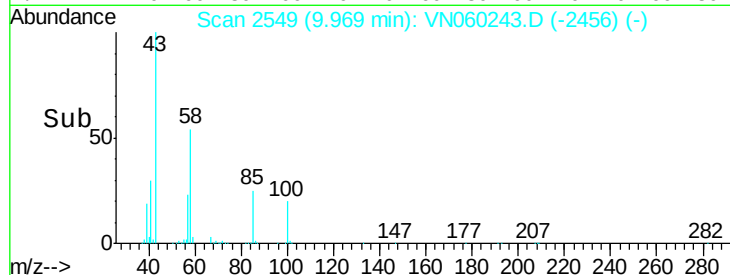
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 49.936 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN060243.D

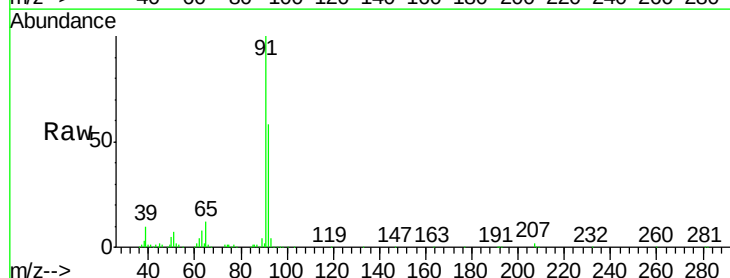
Acq: 25 Feb 2020 18:37

Tgt Ion: 92 Resp: 307554

Ion Ratio Lower Upper

92 100

91 173.3 140.9 211.3



Abundance Ion 92.00 (91.70 to 92.70): VN060069.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN060069.D (-2588) (-)

10.14

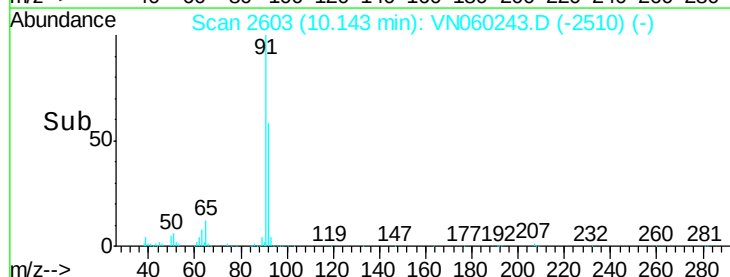
300000

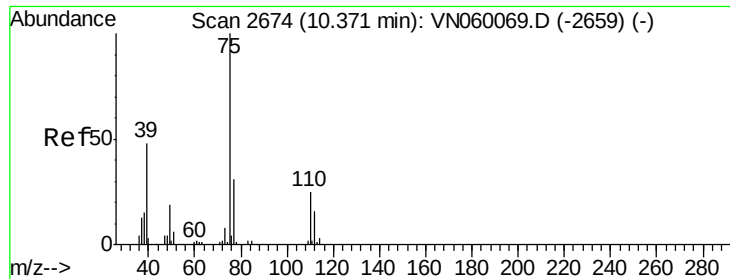
200000

100000

0

Time-->





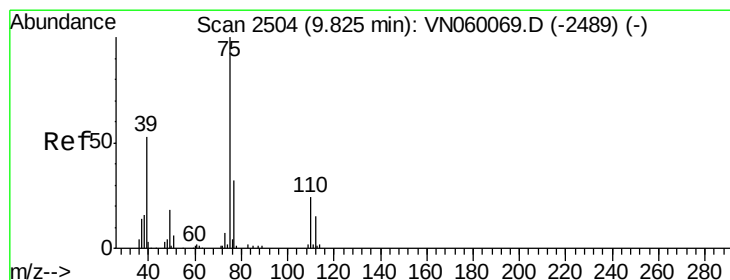
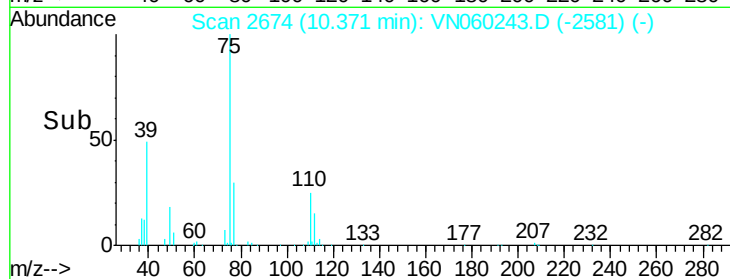
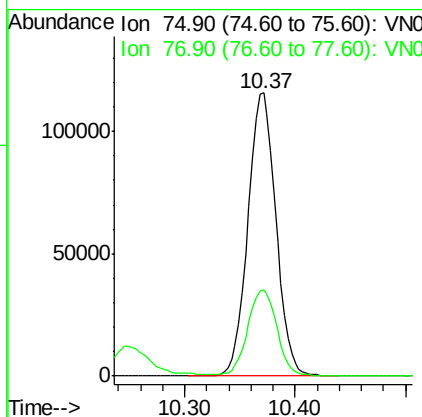
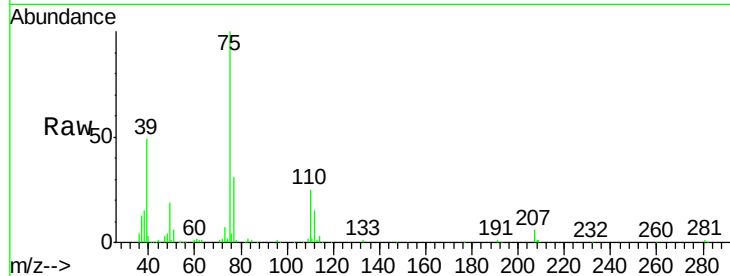
#53
t-1,3-Dichloropropene
Concen: 52.914 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. -0.00 min
Lab File: VN060243.D
Acq: 25 Feb 2020 18:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.2	25.4	38.0

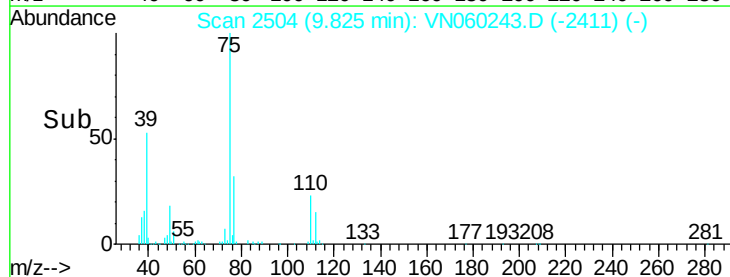
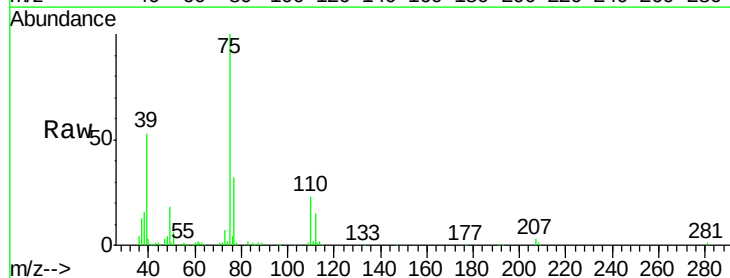
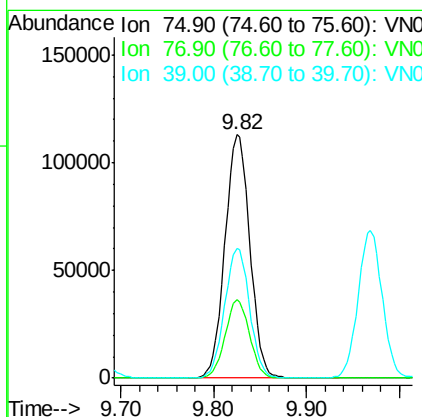
Manual Integrations
APPROVED

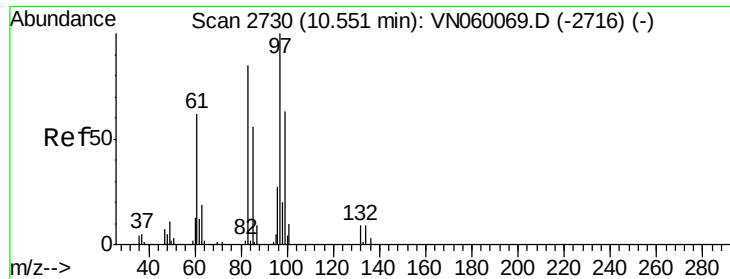
MMDadoda
2/26/2020 10:44:38 AM



#54
cis-1,3-Dichloropropene
Concen: 51.933 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. -0.00 min
Lab File: VN060243.D
Acq: 25 Feb 2020 18:37

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.6	38.4
39	53.3	42.2	63.4





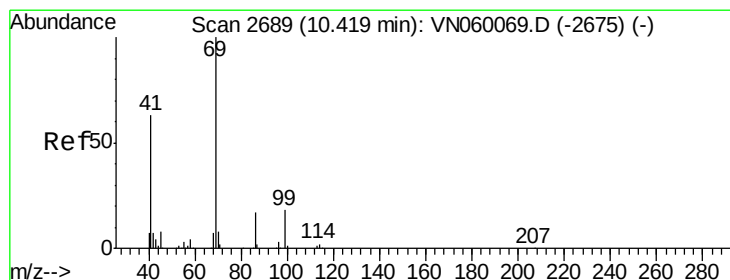
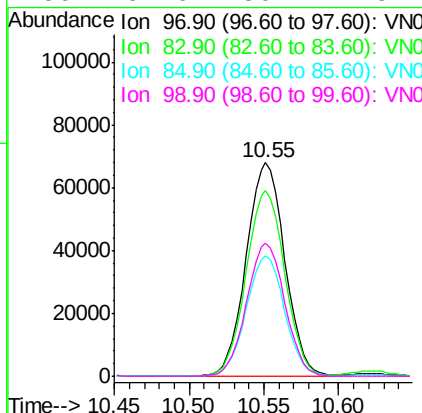
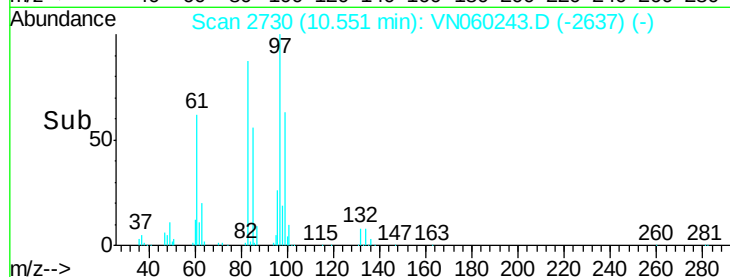
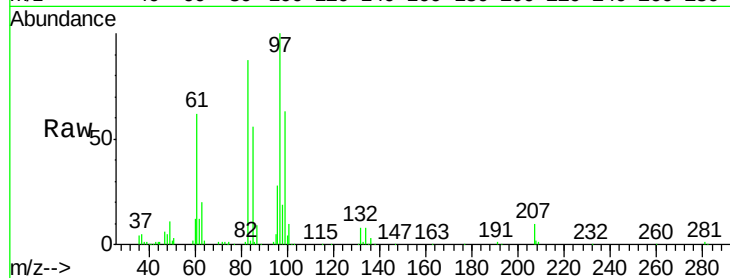
#55
 1,1,2-Trichloroethane
 Concen: 50.880 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VN060243.D
 Acq: 25 Feb 2020 18:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	122253
Ion	Ratio	Lower	Upper
97	100		
83	86.9	67.9	101.9
85	56.4	44.6	67.0
99	62.6	50.1	75.1

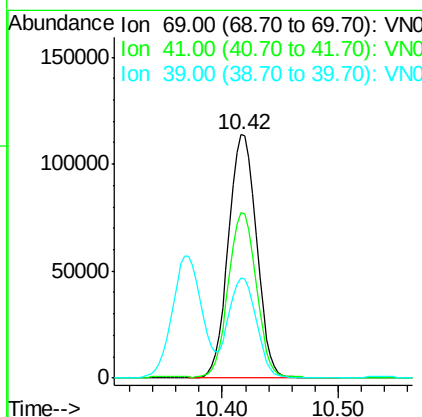
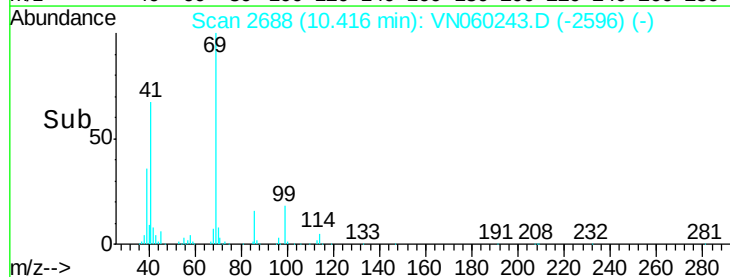
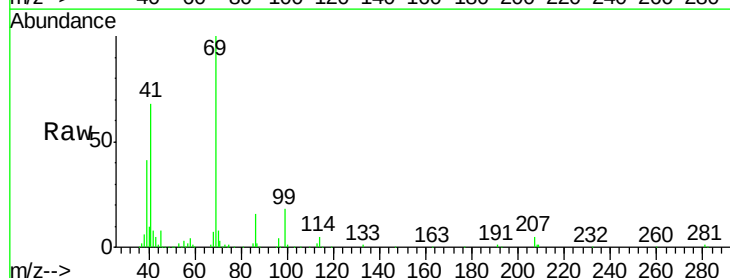
Manual Integrations
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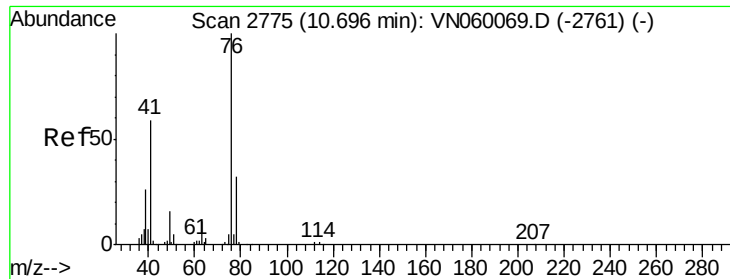
MMDadoda
 2/26/2020 10:44:38 AM



#56
 Ethyl methacrylate
 Concen: 56.447 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. -0.00 min
 Lab File: VN060243.D
 Acq: 25 Feb 2020 18:37

Tgt Ion:	69	Resp:	191865
Ion	Ratio	Lower	Upper
69	100		
41	66.7	51.1	76.7
39	41.2	33.8	50.8





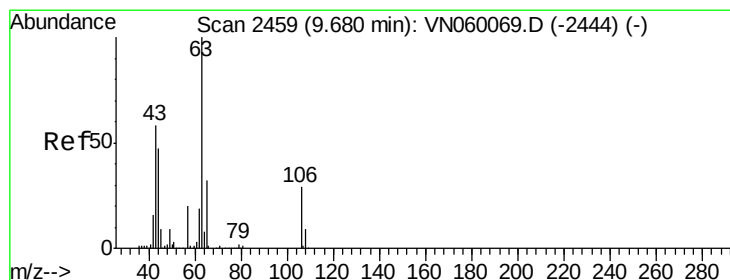
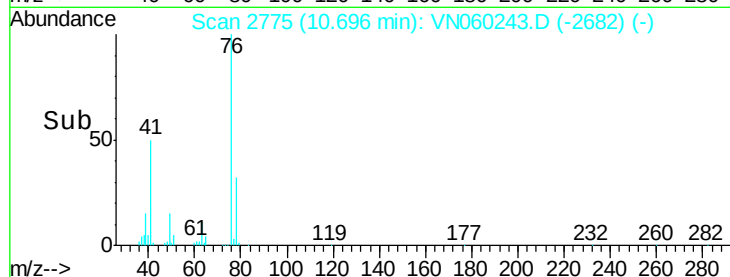
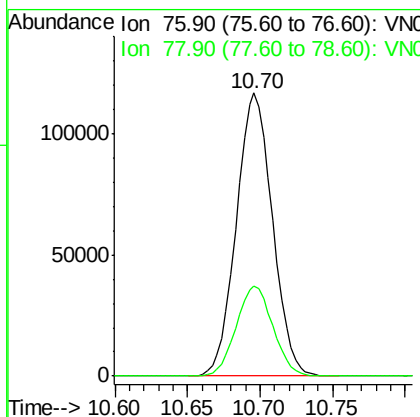
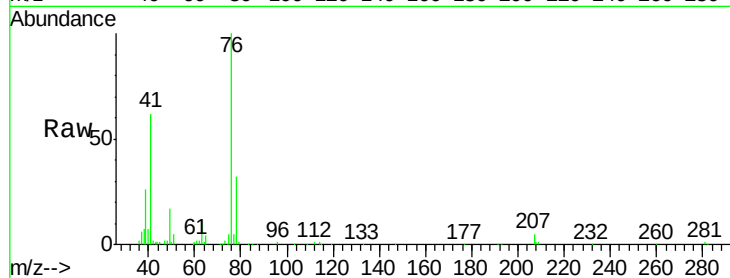
#57
 1,3-Dichloropropane
 Concen: 50.959 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. -0.00 min
 Lab File: VN060243.D
 Acq: 25 Feb 2020 18:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.7	38.5

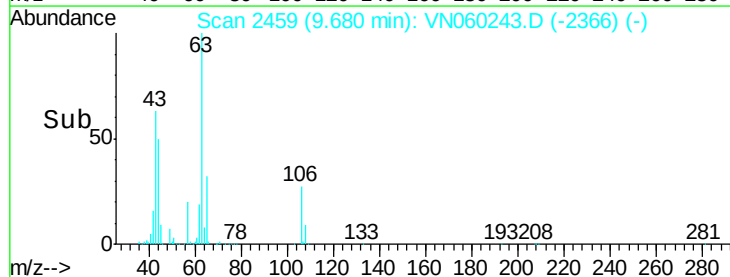
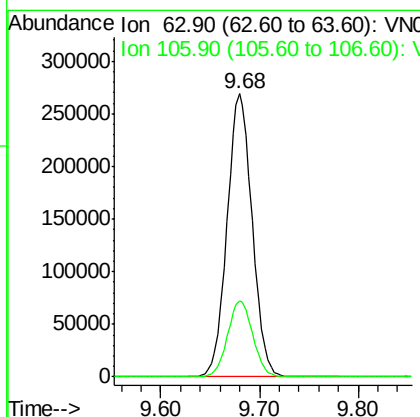
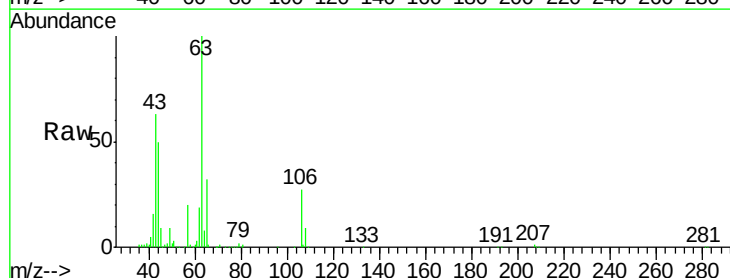
Manual Integrations
 APPROVED

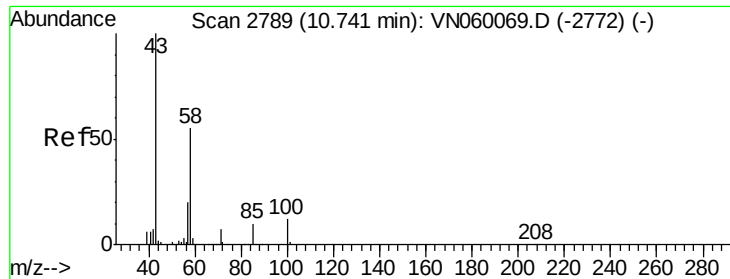
MMDadoda
 2/26/2020 10:44:38 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 301.607 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. -0.00 min
 Lab File: VN060243.D
 Acq: 25 Feb 2020 18:37

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.0	22.9	34.3





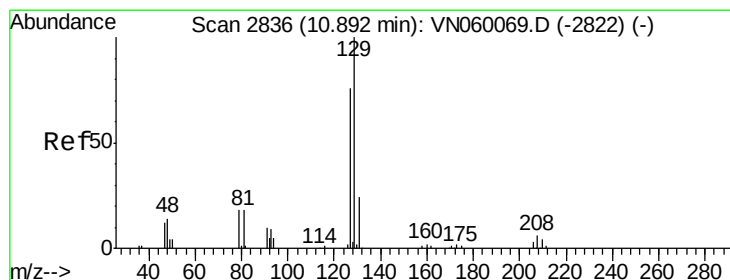
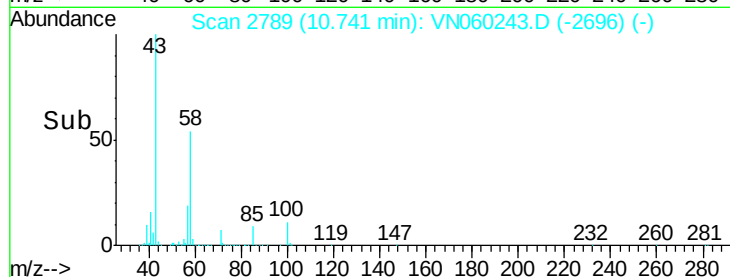
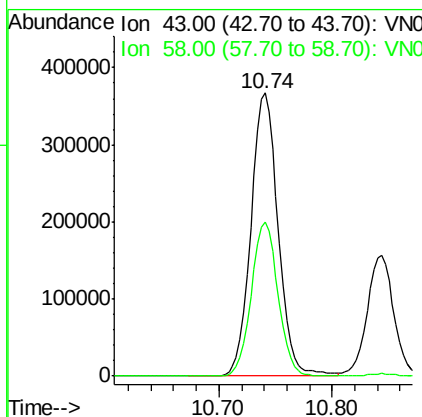
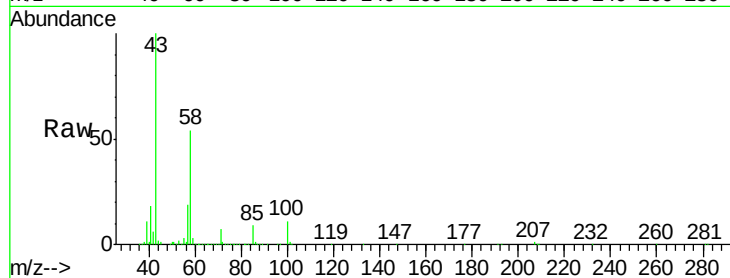
#59
2-Hexanone
Concen: 273.357 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN060243.D
Acq: 25 Feb 2020 18:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 611377
Ion Ratio Lower Upper
43 100
58 53.7 27.5 82.4

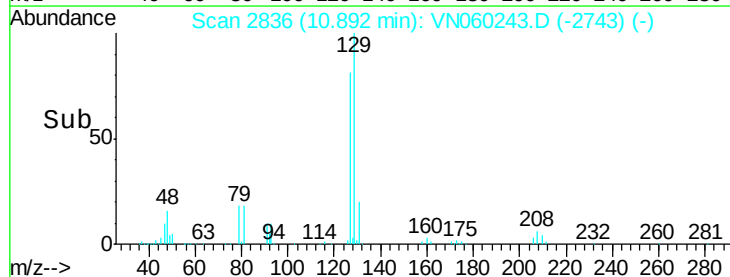
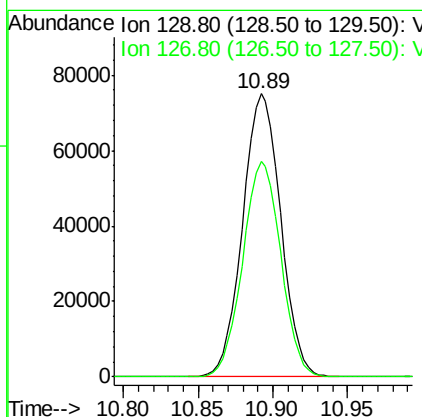
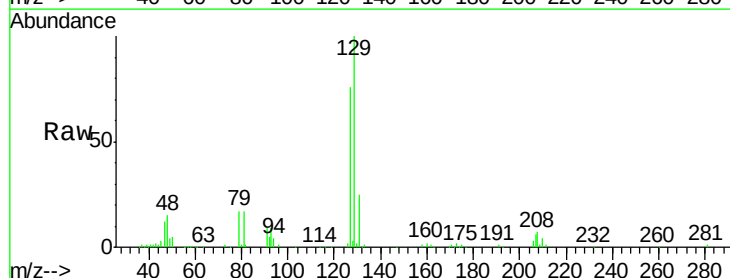
Manual Integrations
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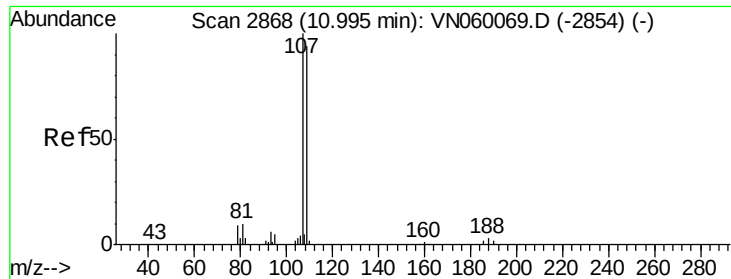
MMDadoda
2/26/2020 10:44:38 AM



#60
Dibromochloromethane
Concen: 48.310 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN060243.D
Acq: 25 Feb 2020 18:37

Tgt Ion: 129 Resp: 133205
Ion Ratio Lower Upper
129 100
127 76.1 38.0 114.1





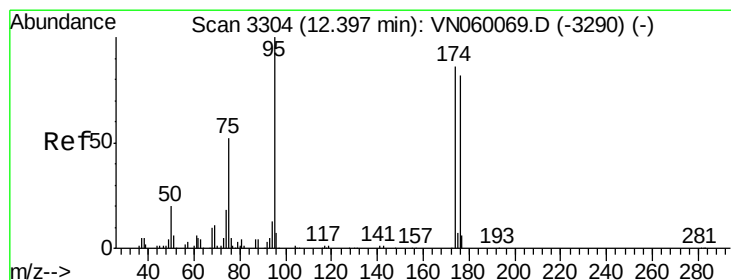
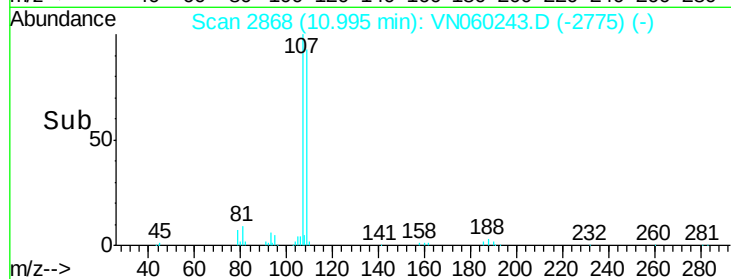
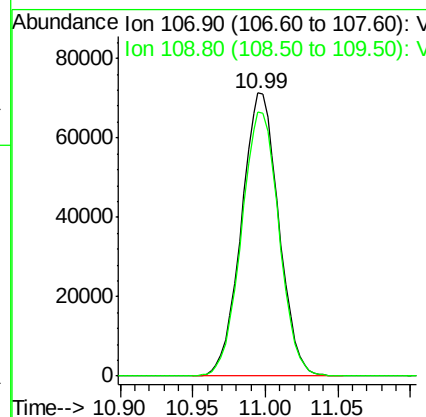
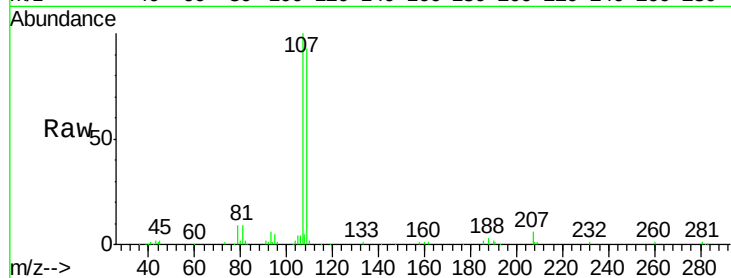
#61
 1,2-Dibromoethane
 Concen: 50.494 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060243.D
 Acq: 25 Feb 2020 18:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.2	75.4	113.0

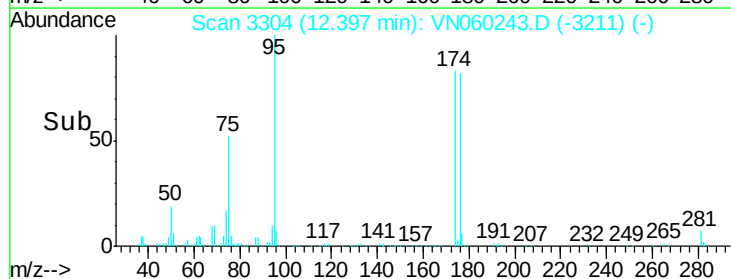
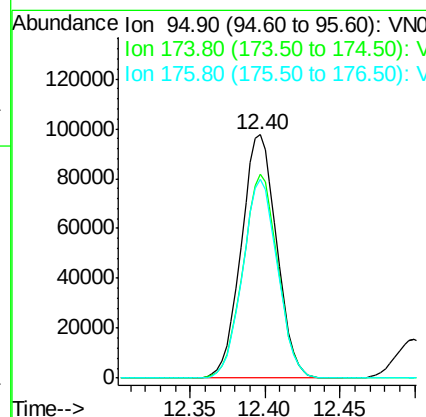
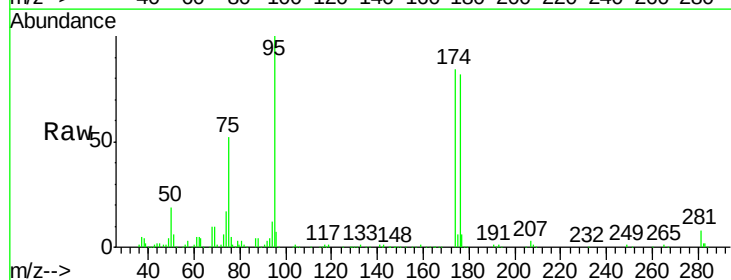
Manual Integrations
 APPROVED

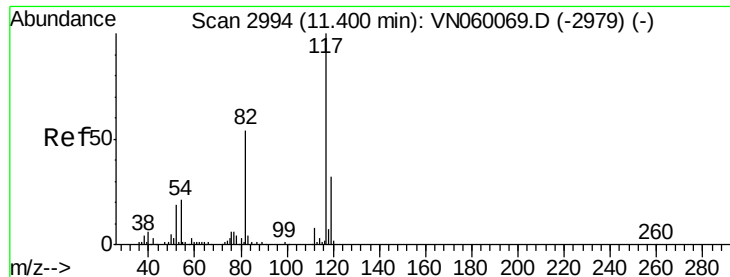
MMDadoda
 2/26/2020 10:44:38 AM



#62
 4-Bromofluorobenzene
 Concen: 51.800 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN060243.D
 Acq: 25 Feb 2020 18:37

Tgt Ion	Ratio	Lower	Upper
95	100		
174	82.0	0.0	169.8
176	80.6	0.0	164.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. -0.00 min

Lab File: VN060243.D

Acq: 25 Feb 2020 18:37

Instrument :

MSVOA_N

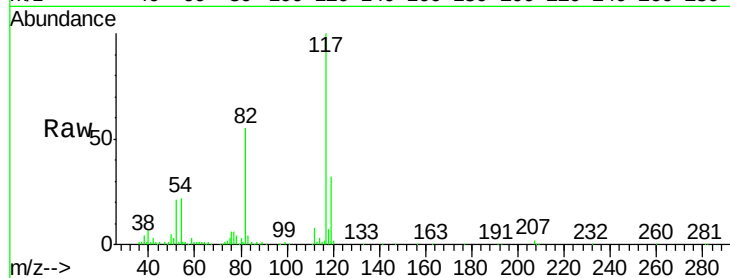
ClientSampleId :

VSTDCCC050EC

Tot Ion:	117	Resp:	331530
Ion Ratio	Lower	Upper	
117	100		
82	55.4	43.4	65.0
119	31.8	25.8	38.6

Manual Integrations
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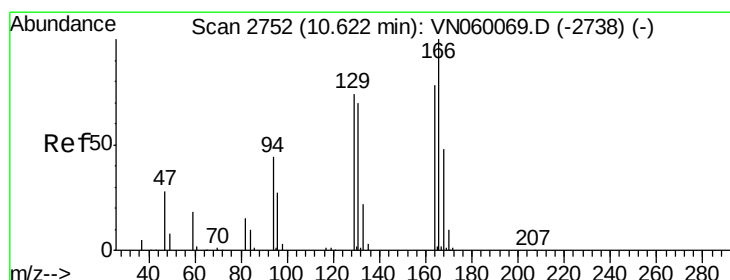
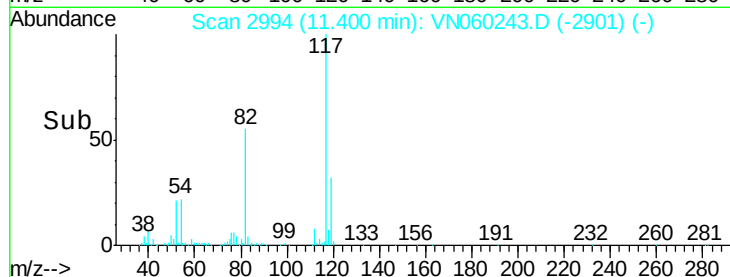
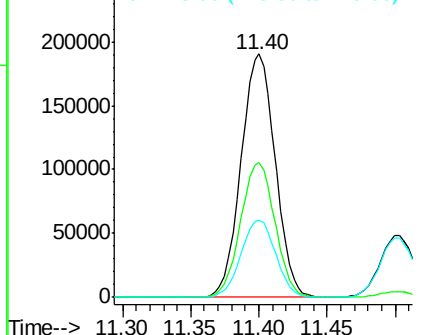


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 59.128 ug/l

RT: 10.62 min Scan# 2752

Delta R.T. -0.00 min

Lab File: VN060243.D

Acq: 25 Feb 2020 18:37

Tgt Ion:	164	Resp:	149018
Ion Ratio	Lower	Upper	
164	100		
166	126.7	101.9	152.9
129	93.3	75.4	113.0
131	90.2	71.4	107.2

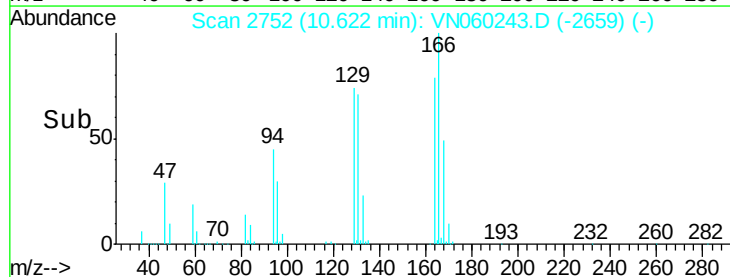
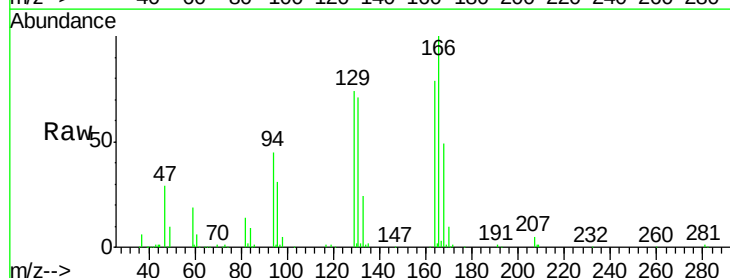
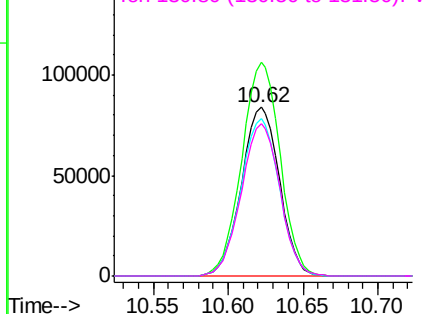
Abundance

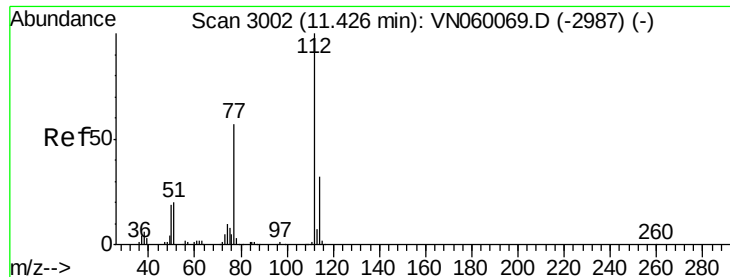
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 48.729 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. -0.00 min

Lab File: VN060243.D

Acq: 25 Feb 2020 18:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 329135

Ion Ratio Lower Upper

112 100

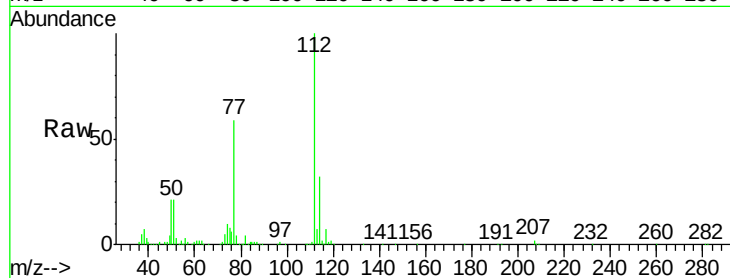
114 31.5 25.4 38.0

Manual Integrations

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

200000

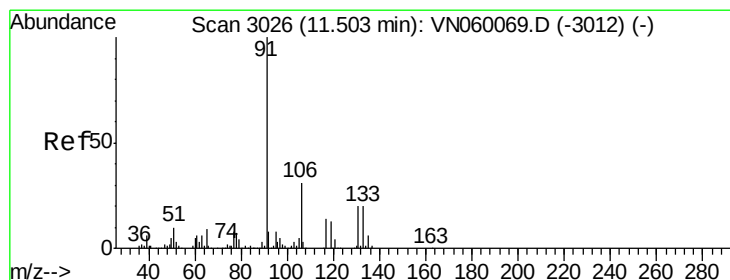
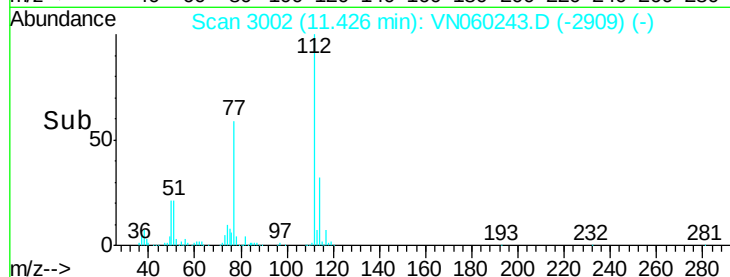
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 48.248 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. -0.00 min

Lab File: VN060243.D

Acq: 25 Feb 2020 18:37

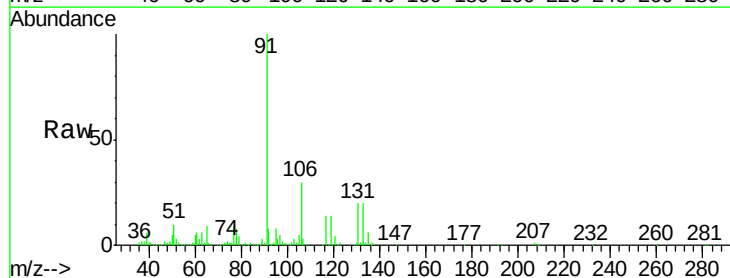
Tgt Ion:131 Resp: 123282

Ion Ratio Lower Upper

131 100

133 96.1 47.9 143.7

119 66.9 32.6 97.7



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.50

80000

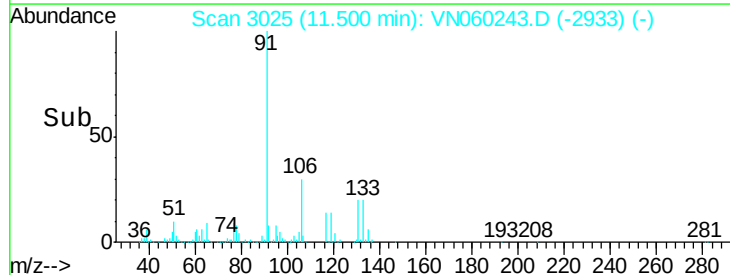
60000

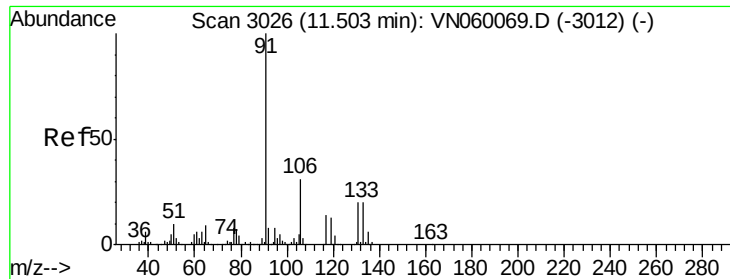
40000

20000

0

Time-->





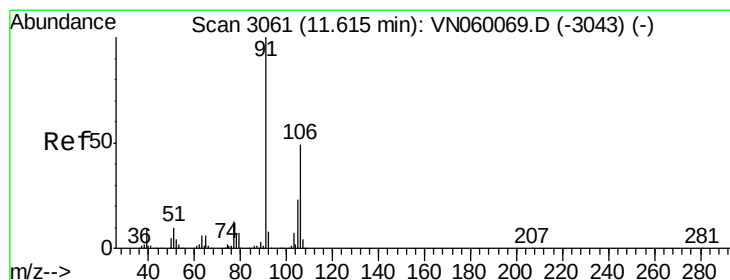
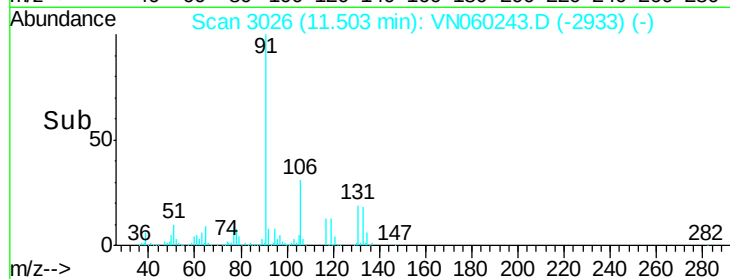
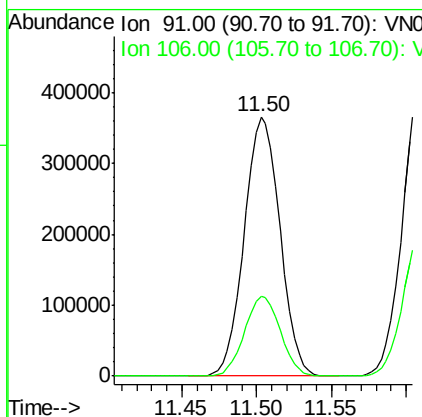
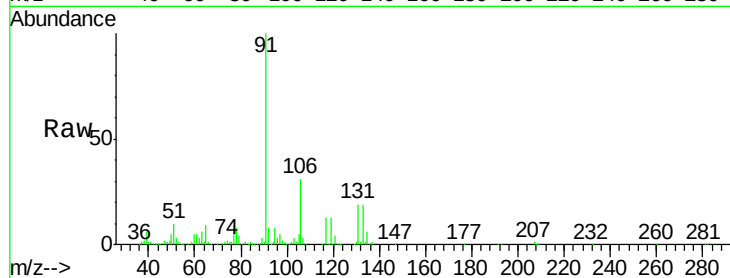
#67
Ethyl Benzene
Concen: 49.881 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN060243.D
Acq: 25 Feb 2020 18:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 607659
Ion Ratio Lower Upper
91 100
106 30.8 25.1 37.7

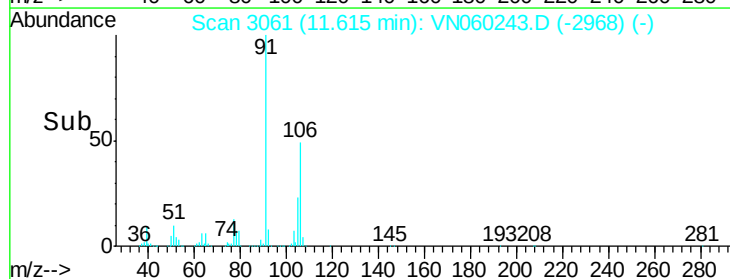
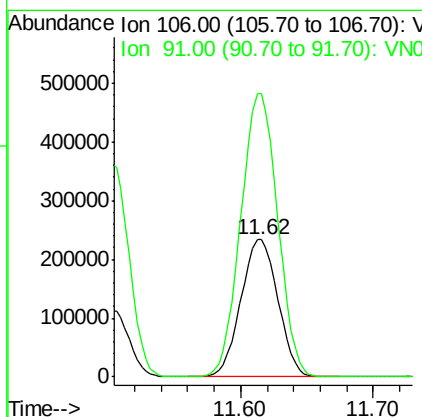
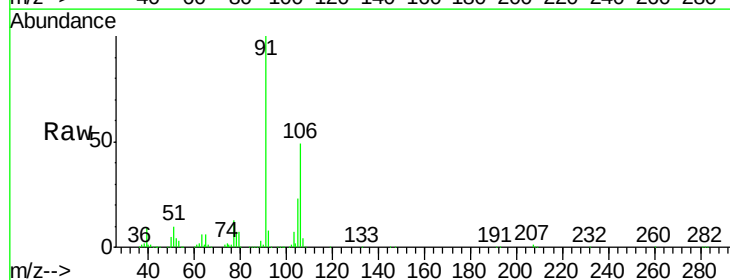
Manual Integrations
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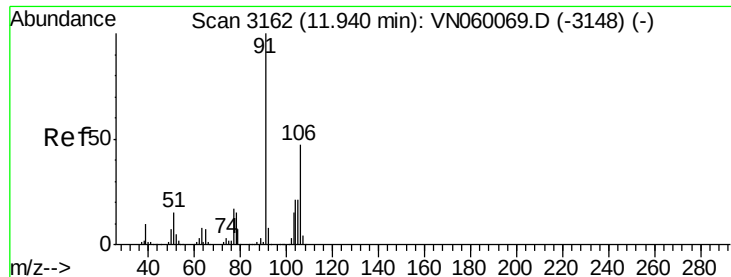
MMDadoda
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#68
m/p-Xylenes
Concen: 99.143 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN060243.D
Acq: 25 Feb 2020 18:37

Tgt Ion: 106 Resp: 453296
Ion Ratio Lower Upper
106 100
91 205.6 162.7 244.1





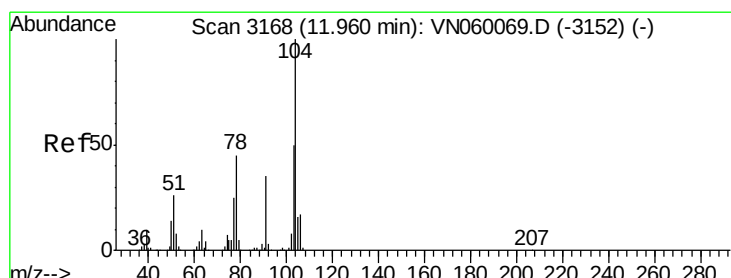
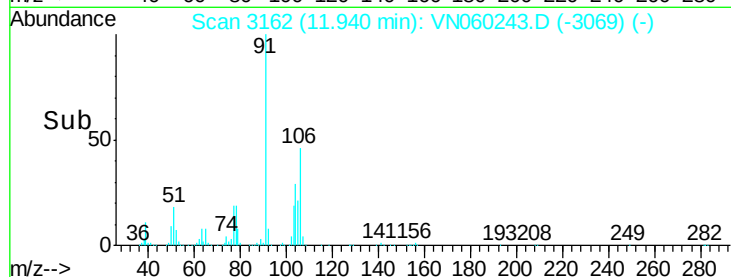
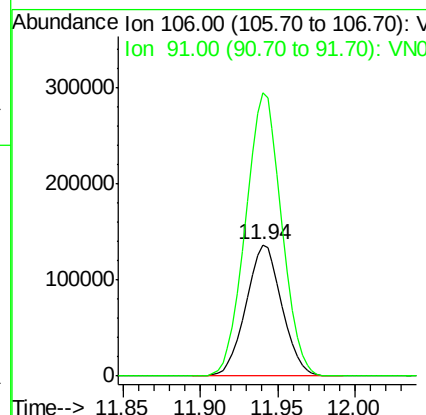
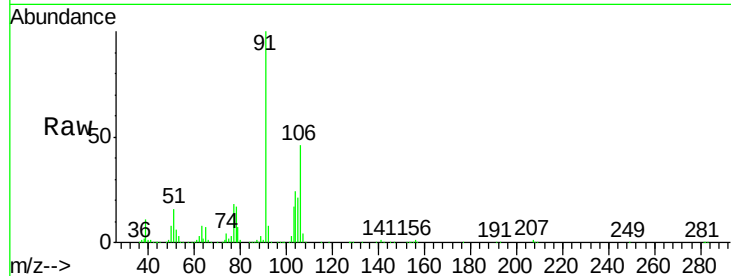
#69
o-Xylene
Concen: 49.957 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060243.D
Acq: 25 Feb 2020 18:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
219921	106			
106	100			
91	217.4	107.2	321.6	

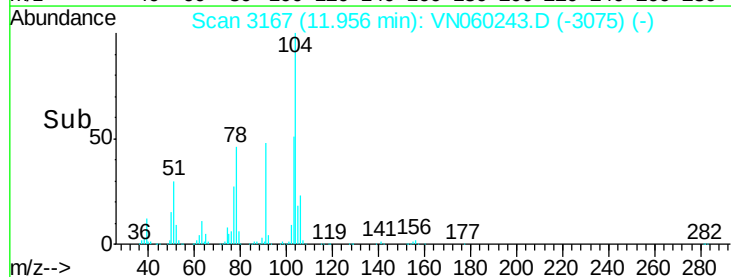
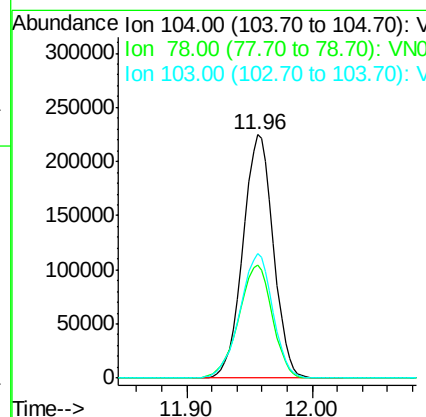
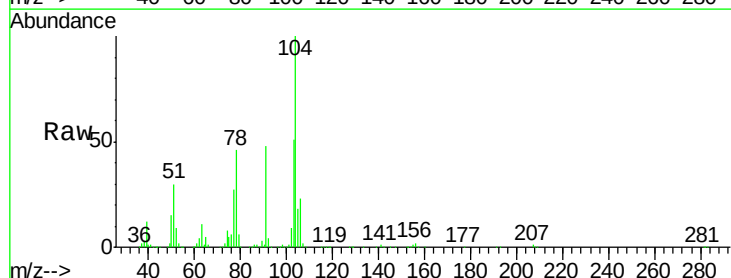
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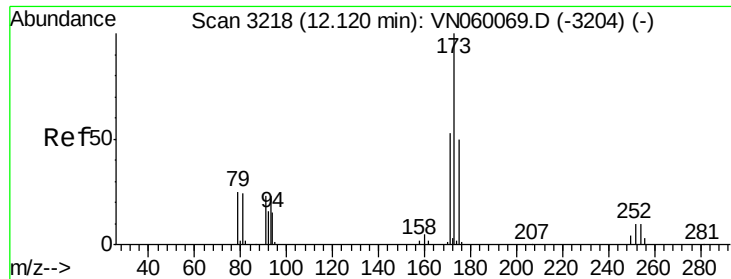
MMDadoda
2/26/2020 10:44:38 AM



#70
Styrene
Concen: 53.298 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060243.D
Acq: 25 Feb 2020 18:37

Tgt Ion	Ion	Ratio	Lower	Upper
378356	104			
104	100			
78	51.4	40.2	60.2	
103	55.4	44.3	66.5	





#71

Bromoform

Concen: 45.965 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. -0.00 min

Lab File: VN060243.D

Acq: 25 Feb 2020 18:37

Instrument :

MSVOA_N

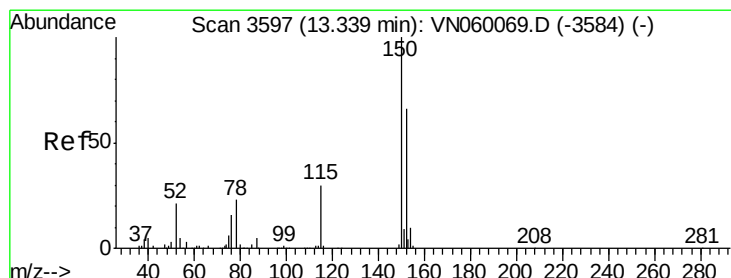
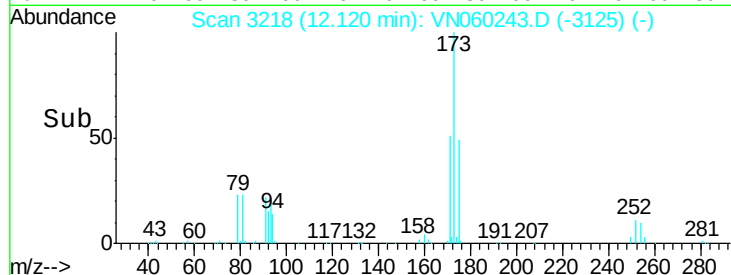
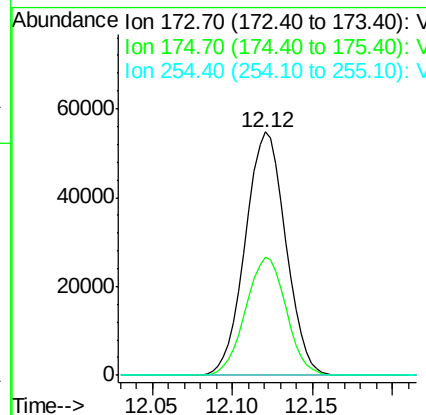
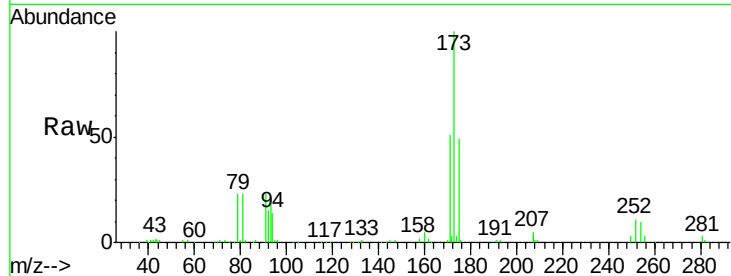
ClientSampleId :

VSTDCCC050EC

Tot Ion:	173	Resp:	94464
Ion Ratio	Lower	Upper	
173	100		
175	48.5	24.9	74.6
254	0.0	0.0	0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

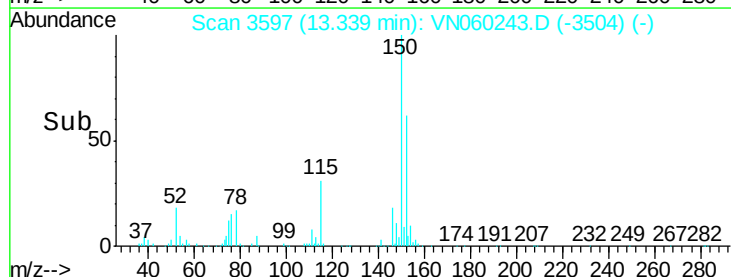
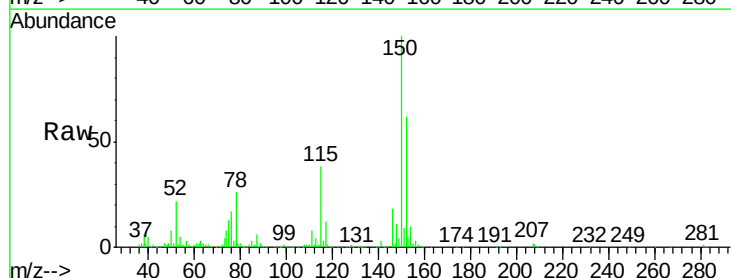
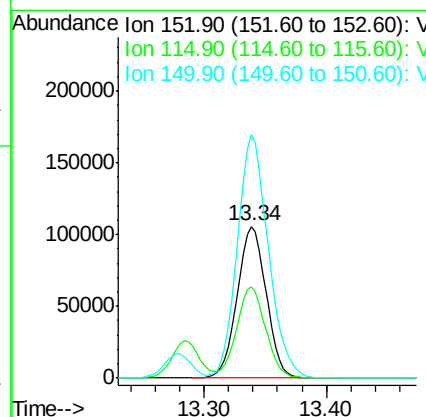
RT: 13.34 min Scan# 3597

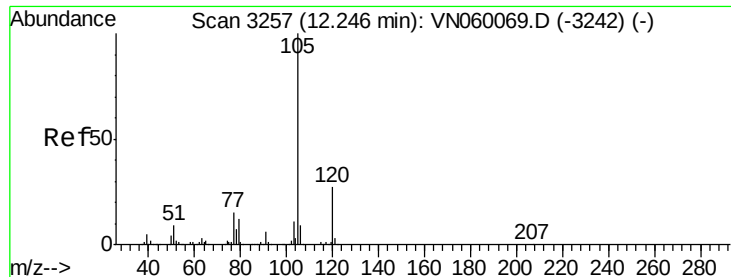
Delta R.T. -0.00 min

Lab File: VN060243.D

Acq: 25 Feb 2020 18:37

Tgt Ion:	152	Resp:	174246
Ion Ratio	Lower	Upper	
152	100		
115	58.9	28.9	86.8
150	171.5	0.0	342.4





#73

Isopropylbenzene

Concen: 45.780 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060243.D

Acq: 25 Feb 2020 18:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 595676

Ion Ratio Lower Upper

105 100

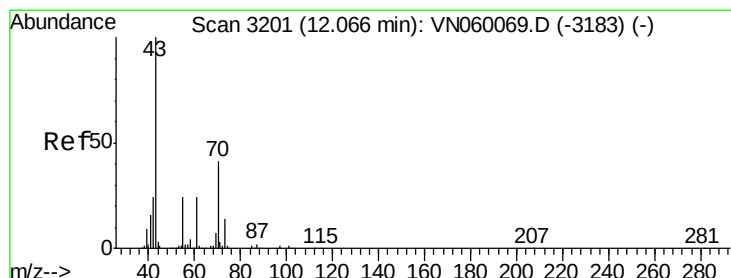
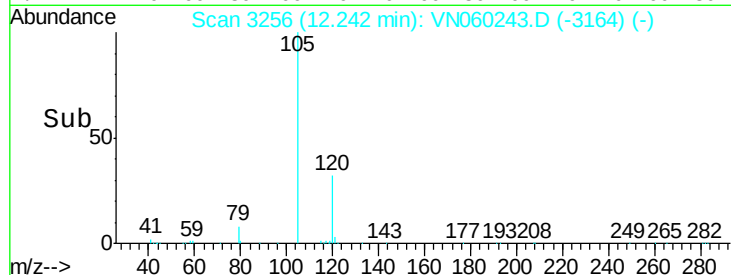
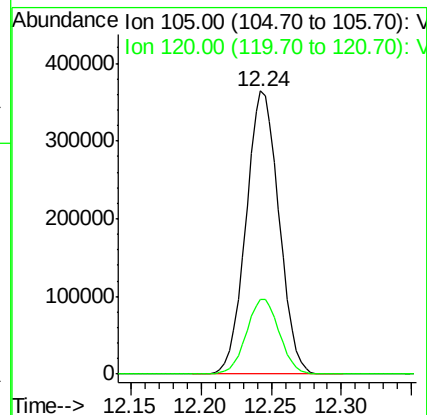
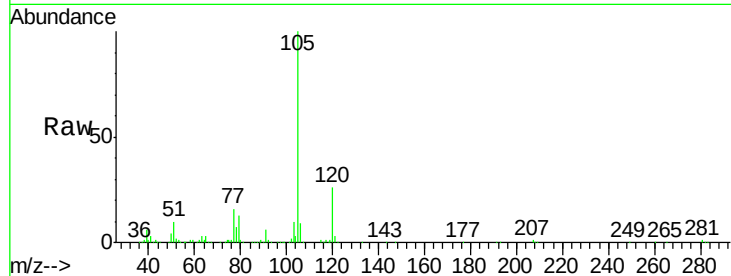
120 26.4 13.3 39.8

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#74

N-ethyl acetate

Concen: 56.050 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060243.D

Acq: 25 Feb 2020 18:37

Tgt Ion: 43 Resp: 262985

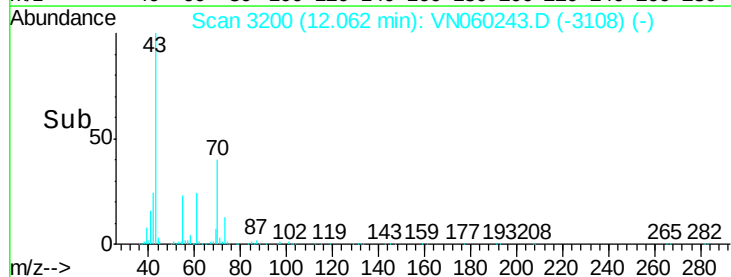
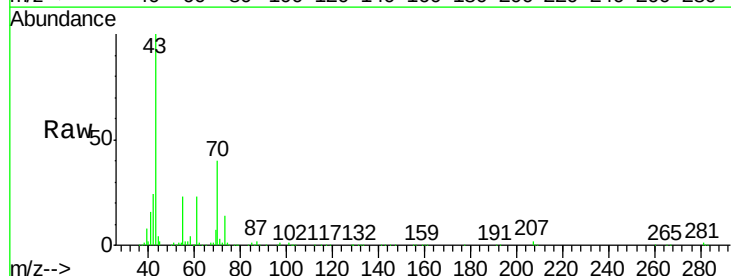
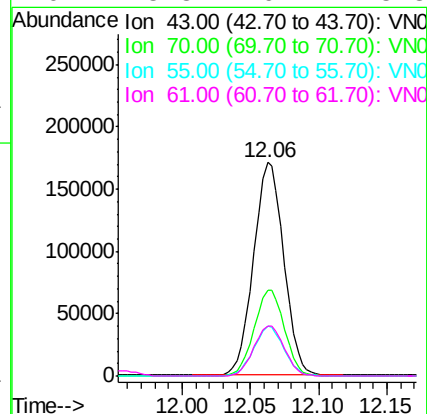
Ion Ratio Lower Upper

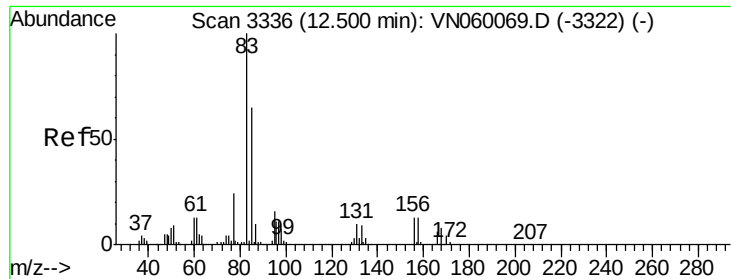
43 100

70 40.8 33.4 50.0

55 23.4 18.8 28.2

61 23.8 19.2 28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 43.093 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060243.D

Acq: 25 Feb 2020 18:37

Instrument :

MSVOA_N

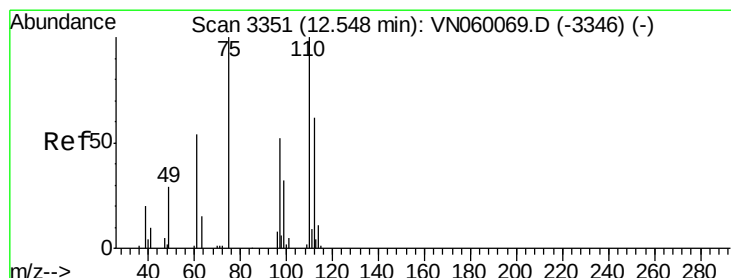
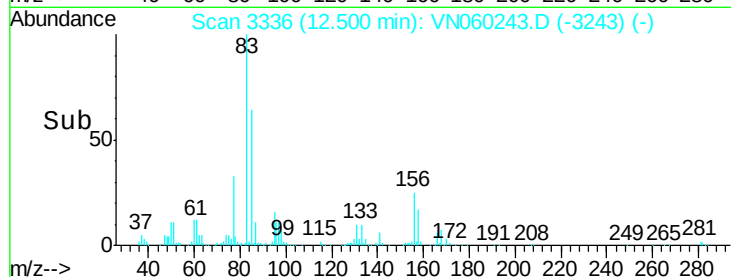
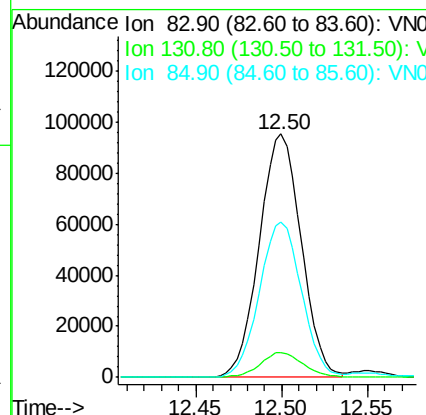
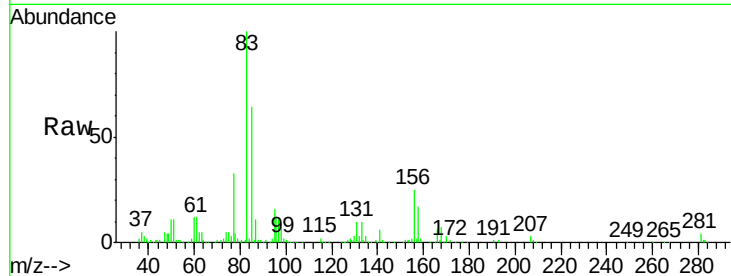
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	161392
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.2	15.6
85	64.0	32.3	96.9

Manual Integrations
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2/26/2020 10:44:38 AM



#76

1,2,3-Trichloropropane

Concen: 47.813 ug/l m

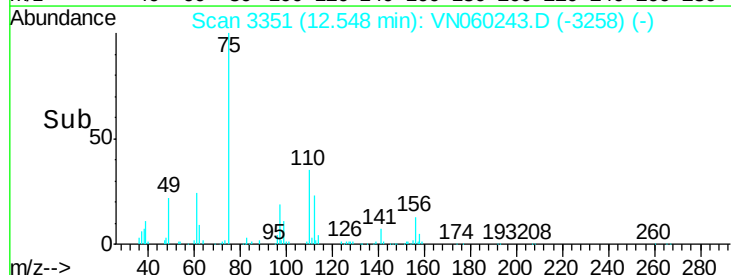
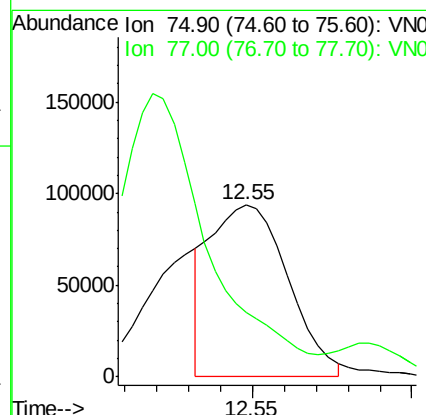
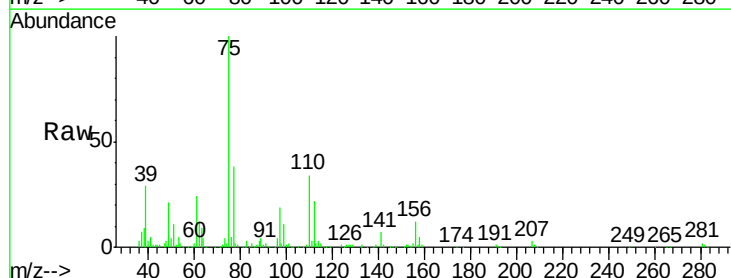
RT: 12.55 min Scan# 3351

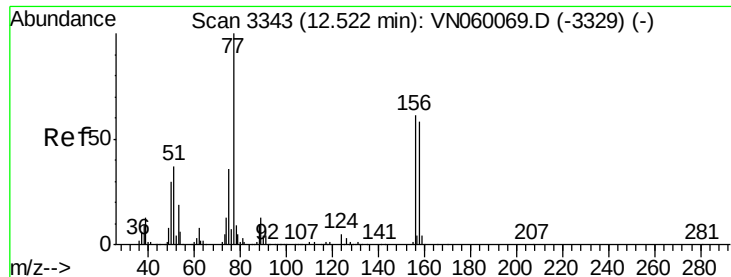
Delta R.T. -0.00 min

Lab File: VN060243.D

Acq: 25 Feb 2020 18:37

Tgt Ion:	75	Resp:	159394
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 62.403 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060243.D

Acq: 25 Feb 2020 18:37

Instrument :

MSVOA_N

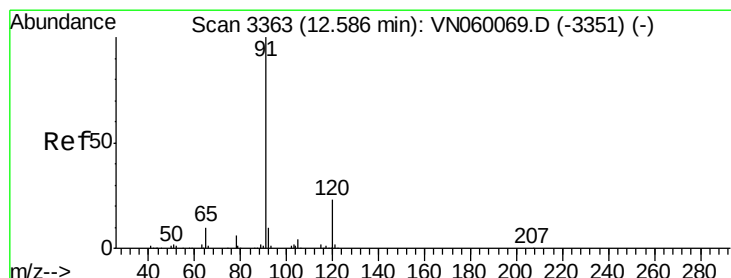
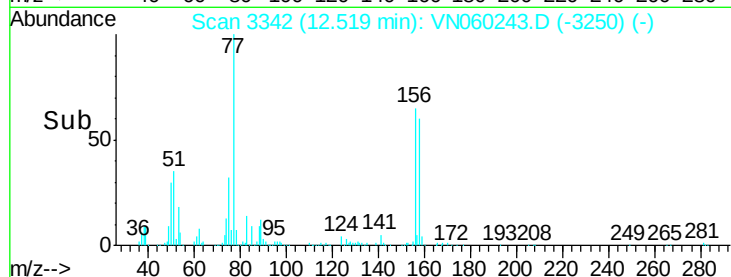
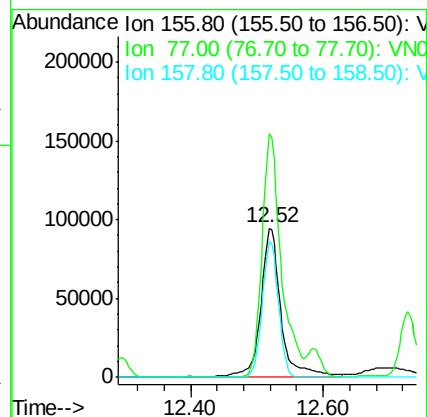
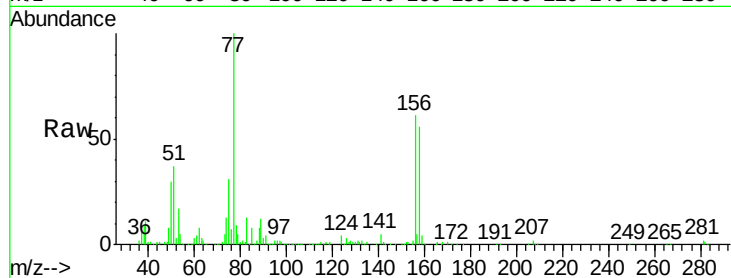
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	201508
Ion Ratio	Lower	Upper	
156	100		
77	153.4	98.7	296.1
158	72.3	48.1	144.4

Manual Integrations
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#78

n-propylbenzene

Concen: 46.882 ug/l

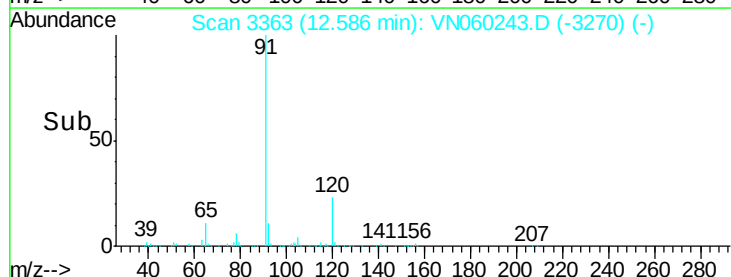
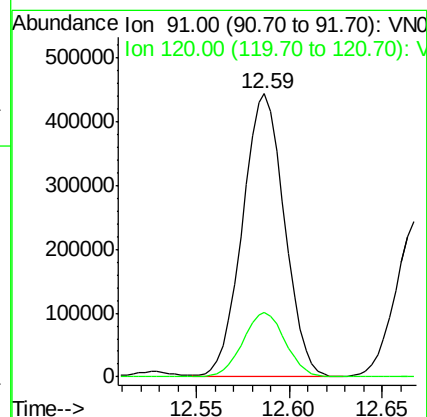
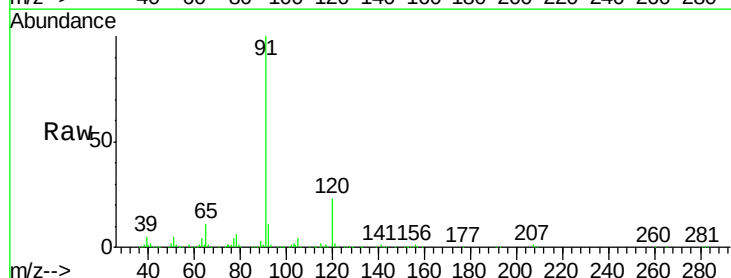
RT: 12.59 min Scan# 3363

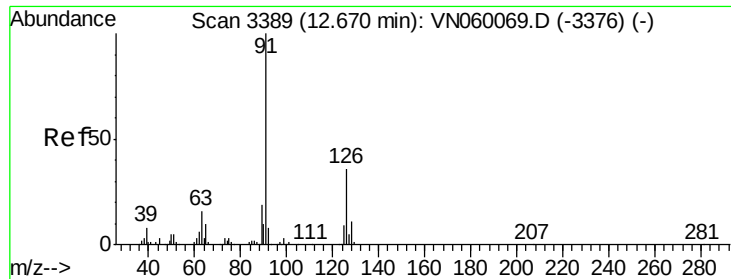
Delta R.T. -0.00 min

Lab File: VN060243.D

Acq: 25 Feb 2020 18:37

Tgt Ion:	91	Resp:	695007
Ion Ratio	Lower	Upper	
91	100		
120	22.9	11.5	34.5





#79

2-Chlorotoluene

Concen: 46.648 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN060243.D

Acq: 25 Feb 2020 18:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 406470

Ion Ratio Lower Upper

91 100

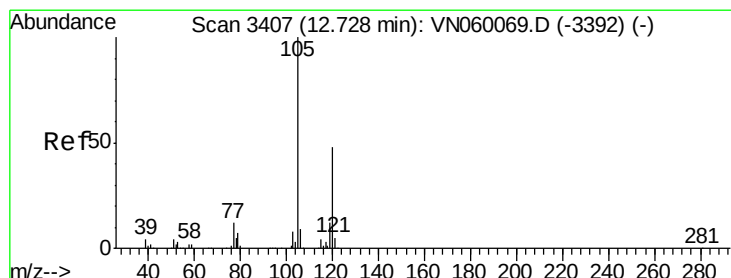
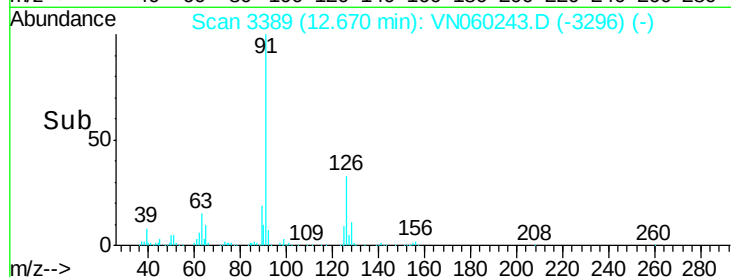
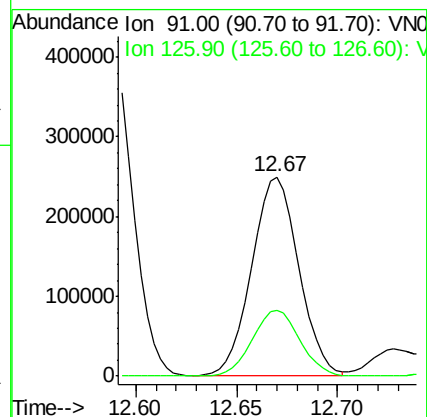
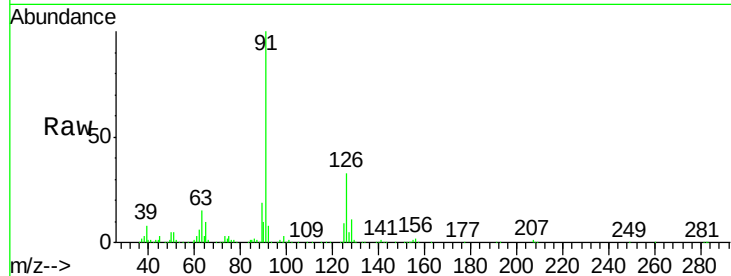
126 33.8 17.4 52.2

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#80

1,3,5-Trimethylbenzene

Concen: 46.933 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060243.D

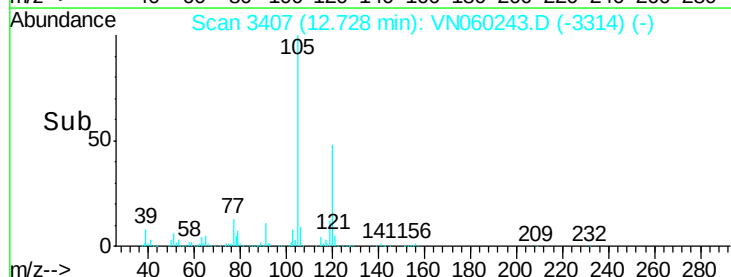
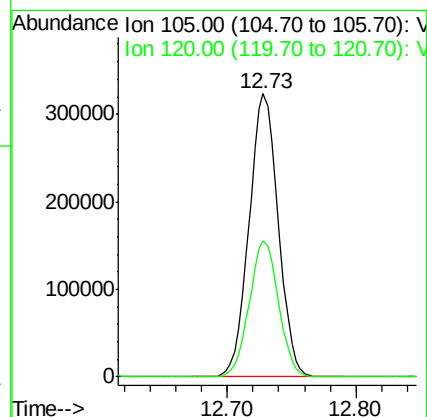
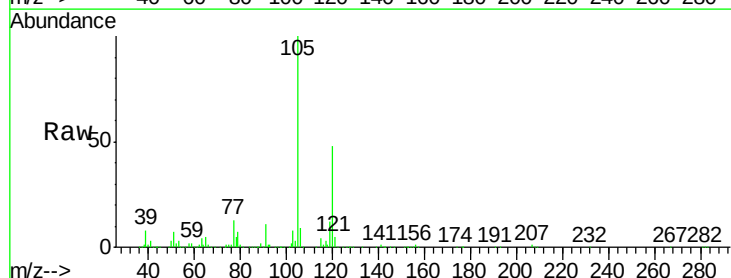
Acq: 25 Feb 2020 18:37

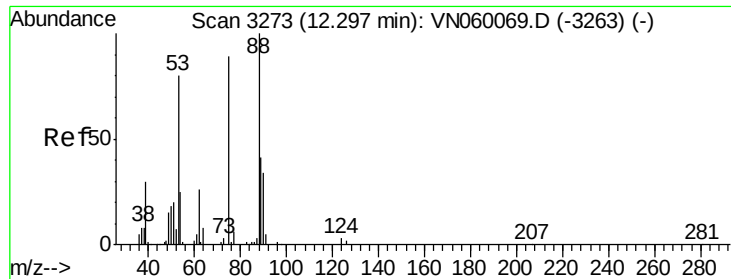
Tgt Ion: 105 Resp: 507750

Ion Ratio Lower Upper

105 100

120 48.2 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 47.995 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. -0.00 min

Lab File: VN060243.D

Acq: 25 Feb 2020 18:37

Instrument :

MSVOA_N

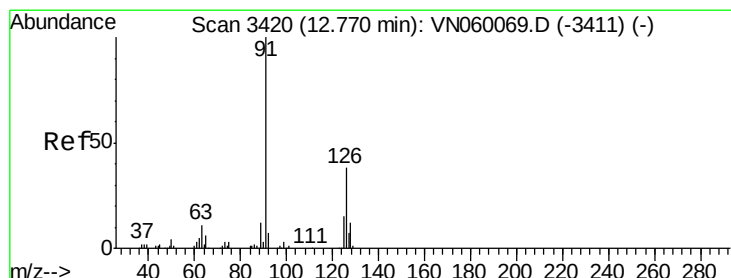
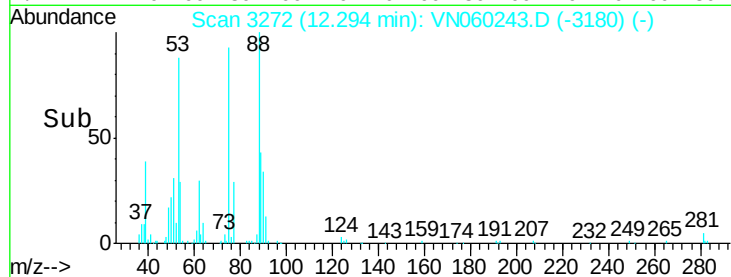
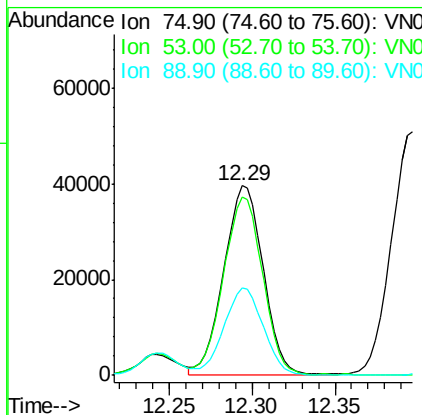
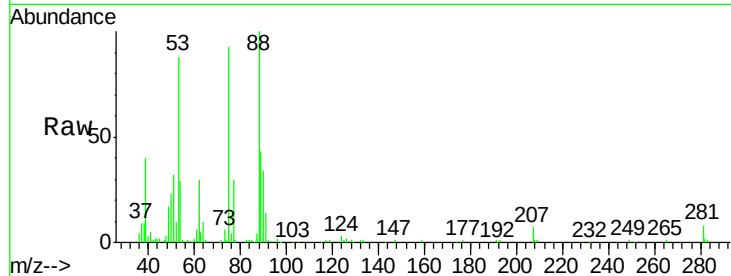
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	65346
Ion	Ratio	Lower	Upper
75	100		
53	93.3	73.9	110.9
89	46.3	37.0	55.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 48.280 ug/l

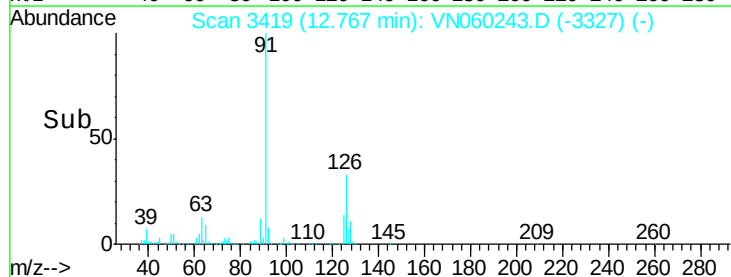
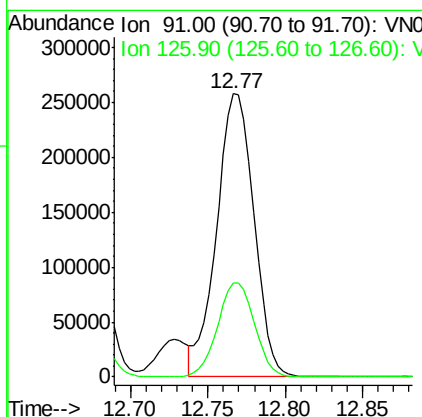
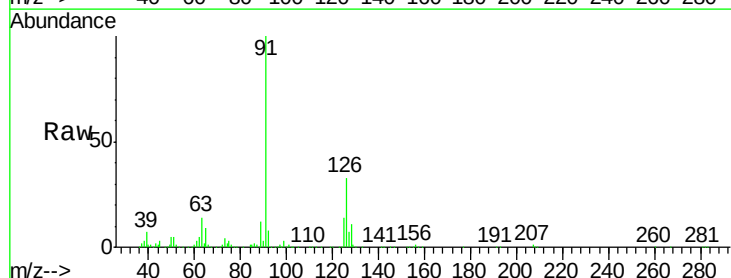
RT: 12.77 min Scan# 3419

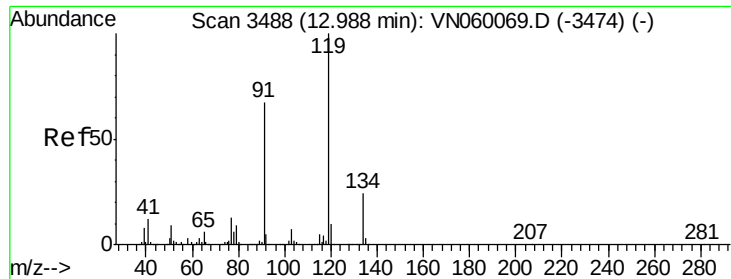
Delta R.T. -0.00 min

Lab File: VN060243.D

Acq: 25 Feb 2020 18:37

Tgt Ion:	91	Resp:	431614
Ion	Ratio	Lower	Upper
91	100		
126	33.0	17.1	51.3





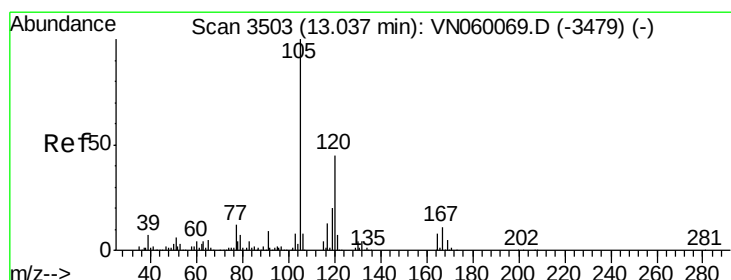
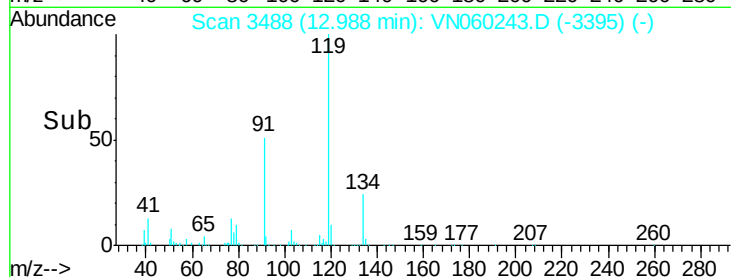
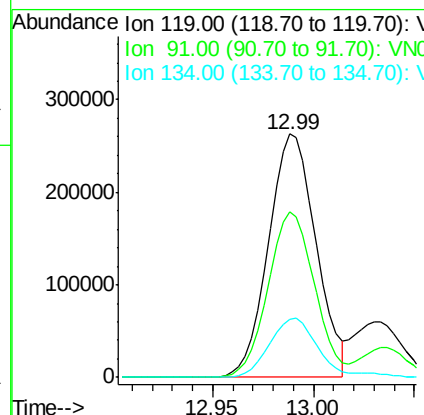
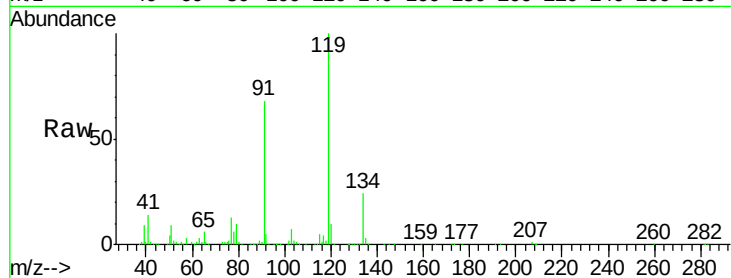
#83
 tert-Butylbenzene
 Concen: 44.922 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. -0.00 min
 Lab File: VN060243.D
 Acq: 25 Feb 2020 18:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.8	32.7	98.1
134	25.3	12.9	38.7

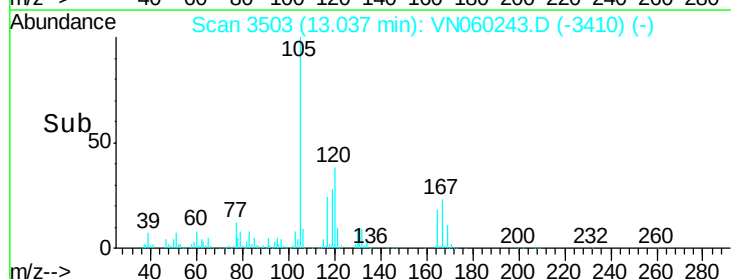
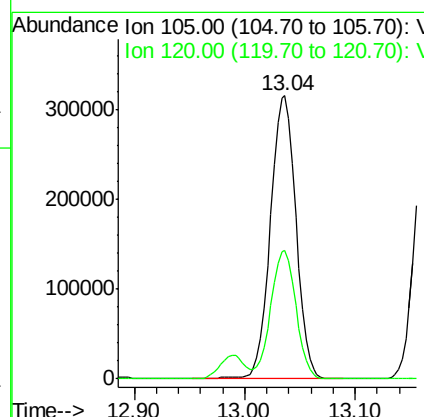
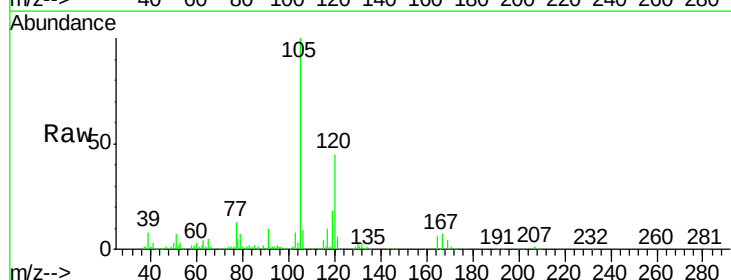
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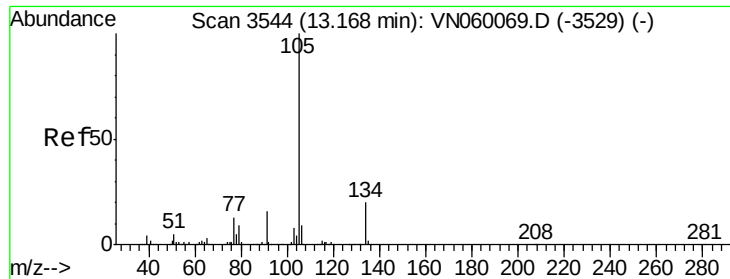
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 47.757 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN060243.D
 Acq: 25 Feb 2020 18:37

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.4	67.3





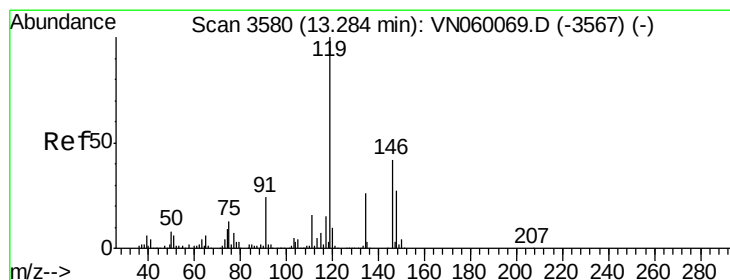
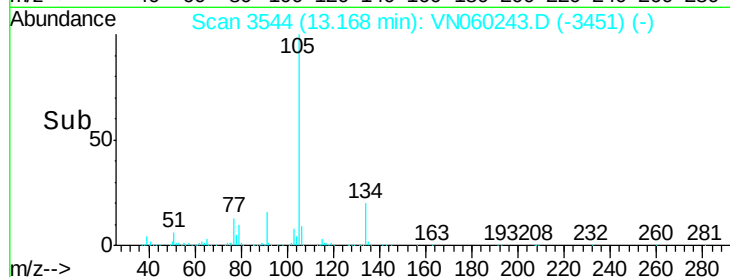
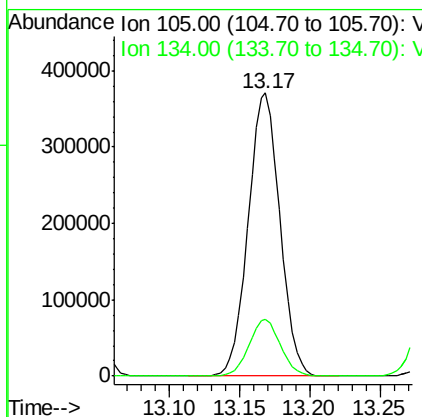
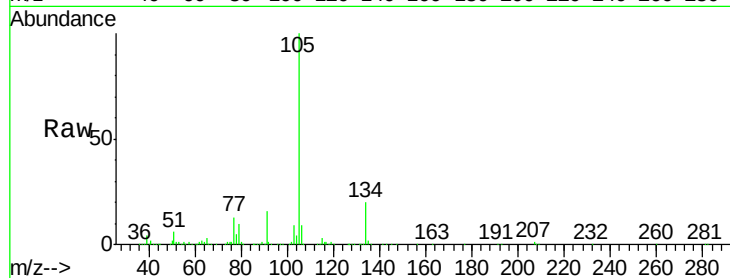
#85
 sec-Butylbenzene
 Concen: 45.962 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. -0.00 min
 Lab File: VN060243.D
 Acq: 25 Feb 2020 18:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.9	9.9	29.7

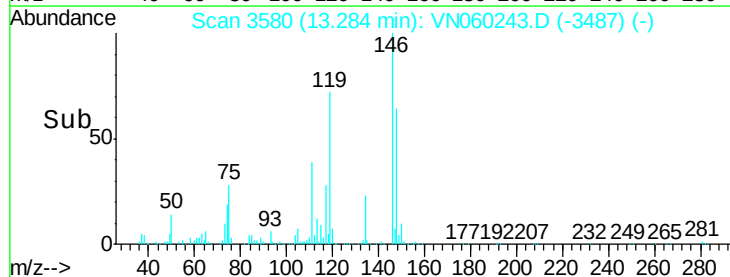
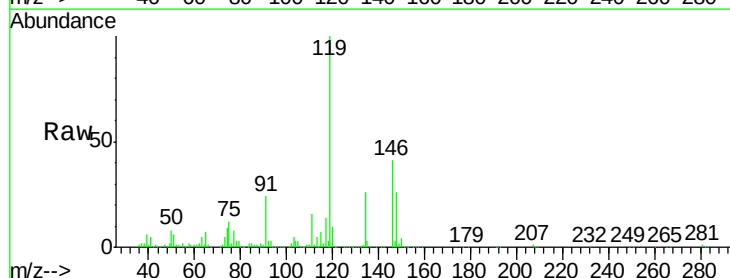
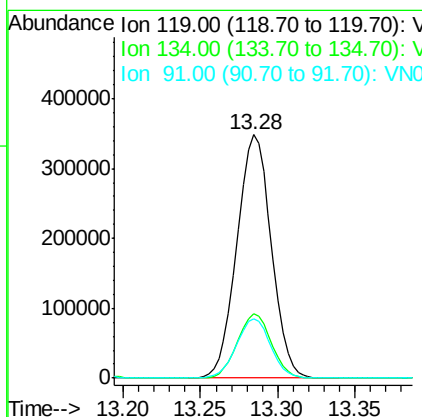
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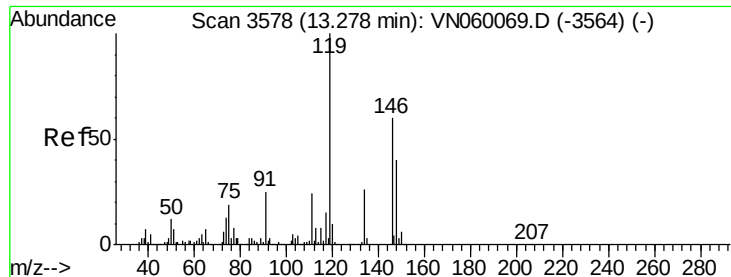
MMDadoda
 2/26/2020 10:44:38 AM



#86
 p-Isopropyltoluene
 Concen: 46.663 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN060243.D
 Acq: 25 Feb 2020 18:37

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.3	39.8
91	24.0	11.9	35.9





#87

1,3-Dichlorobenzene

Concen: 47.439 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. -0.00 min

Lab File: VN060243.D

Acq: 25 Feb 2020 18:37

Instrument :

MSVOA_N

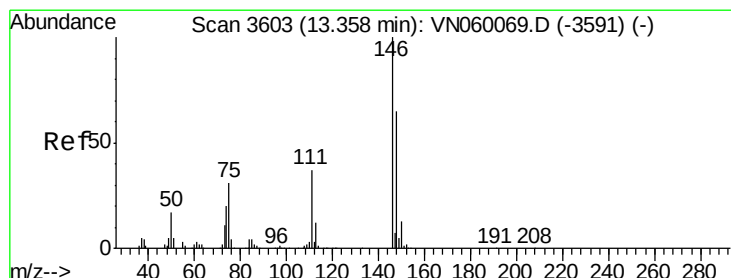
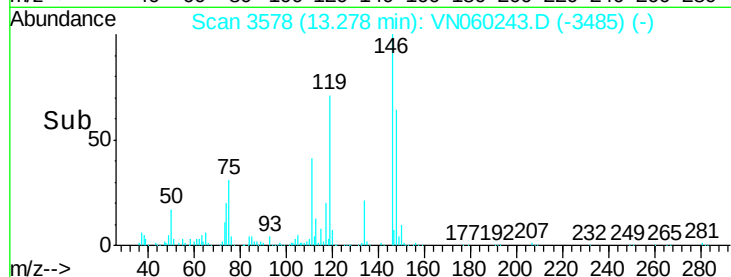
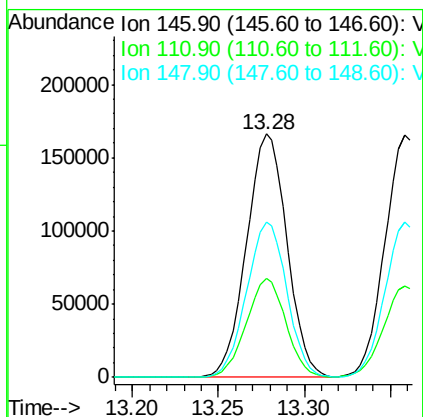
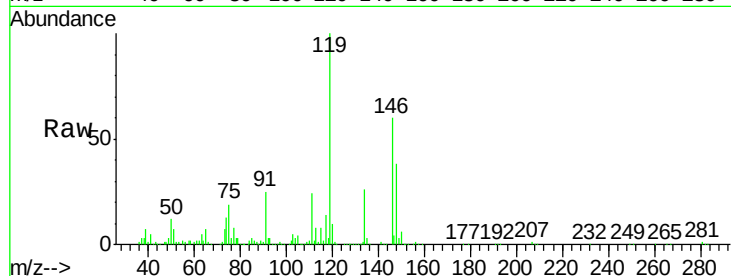
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	271161
Ion Ratio	Lower	Upper	
146	100		
111	39.9	19.8	59.3
148	63.5	32.0	96.2

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#88

1,4-Dichlorobenzene

Concen: 47.613 ug/l

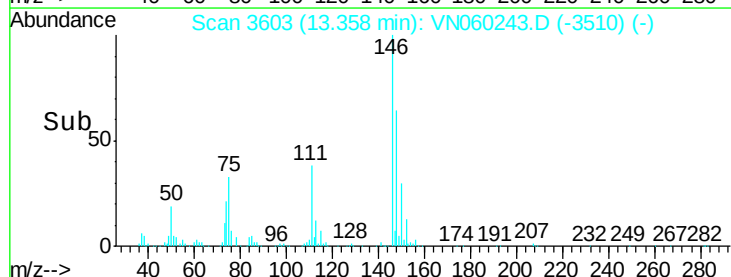
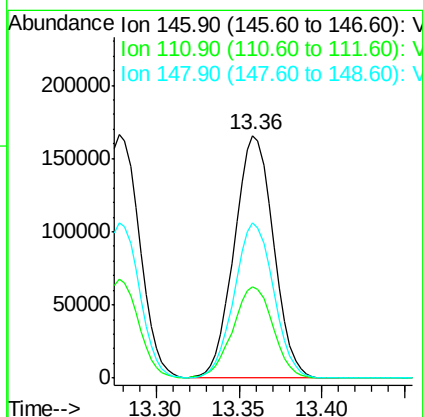
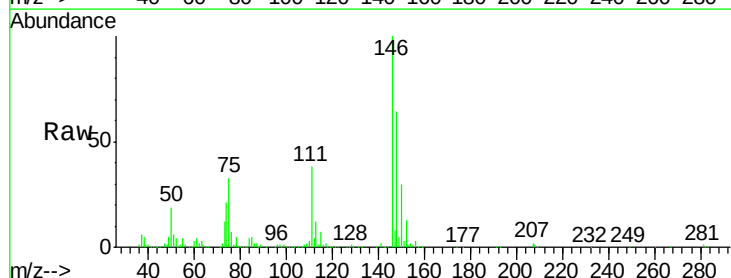
RT: 13.36 min Scan# 3603

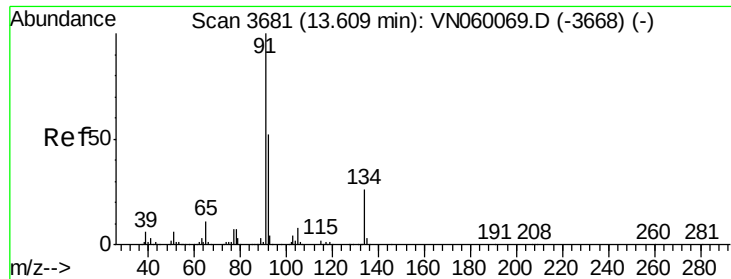
Delta R.T. -0.00 min

Lab File: VN060243.D

Acq: 25 Feb 2020 18:37

Tgt Ion:	146	Resp:	272097
Ion Ratio	Lower	Upper	
146	100		
111	38.5	18.9	56.5
148	64.4	32.0	96.0





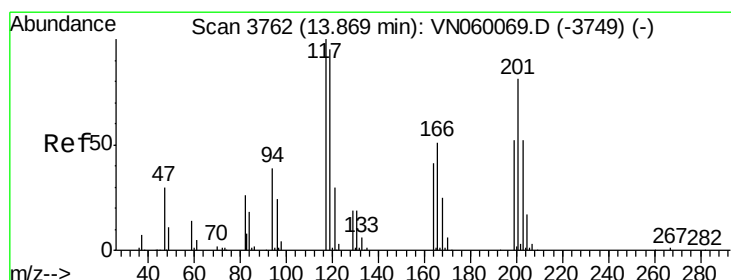
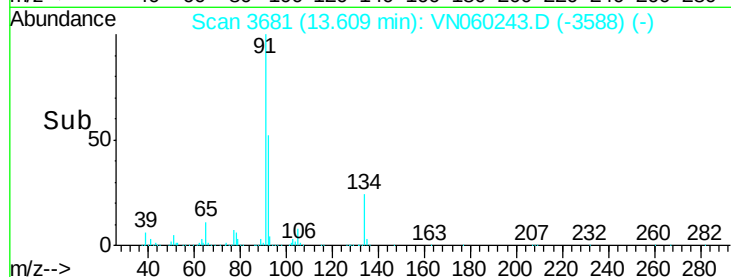
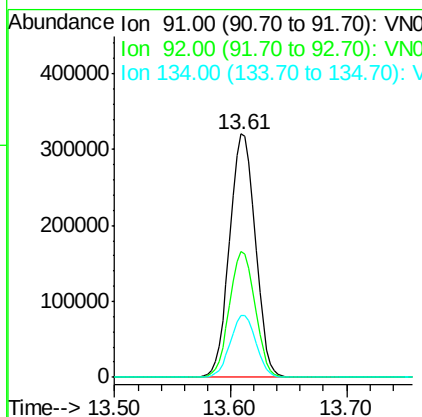
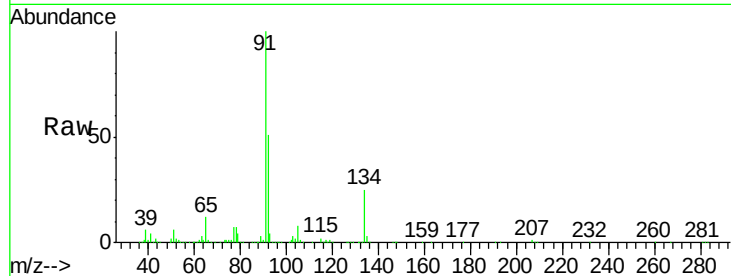
#89
n-Butylbenzene
Concen: 48.776 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN060243.D
Acq: 25 Feb 2020 18:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	26.1	78.2
134	25.5	13.1	39.3

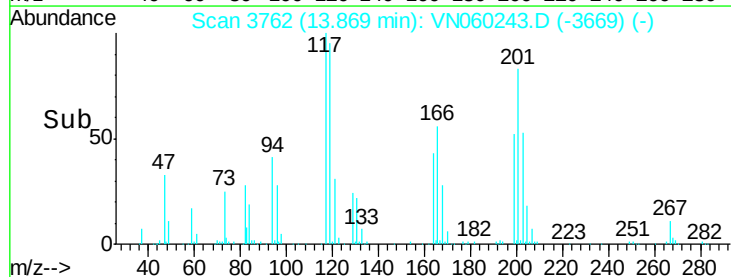
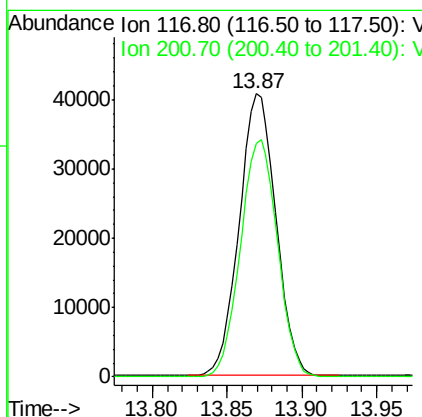
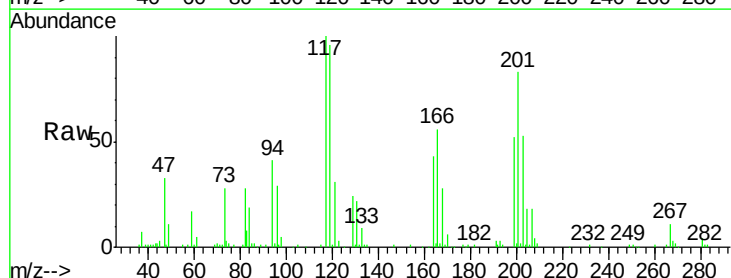
Manual Integrations
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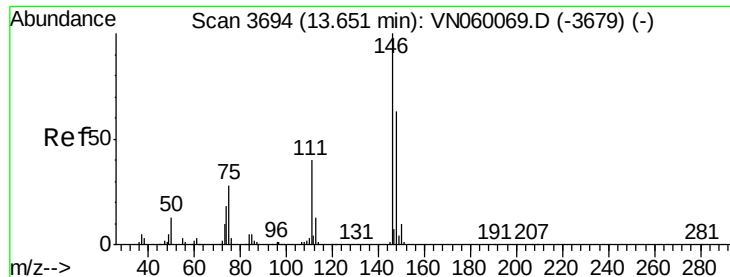
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#90
Hexachloroethane
Concen: 32.302 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN060243.D
Acq: 25 Feb 2020 18:37

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.9	41.7	125.1





#91

1,2-Dichlorobenzene

Concen: 46.259 ug/l

RT: 13.65 min Scan# 3693

Delta R.T. -0.00 min

Lab File: VN060243.D

Acq: 25 Feb 2020 18:37

Instrument :

MSVOA_N

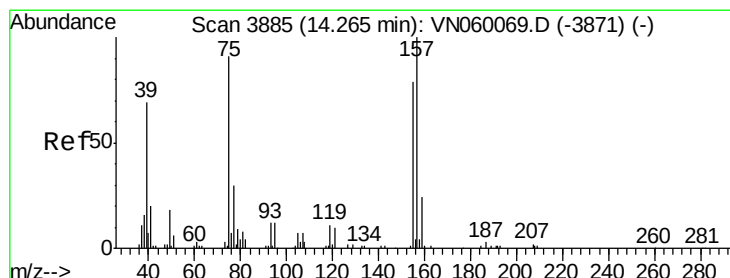
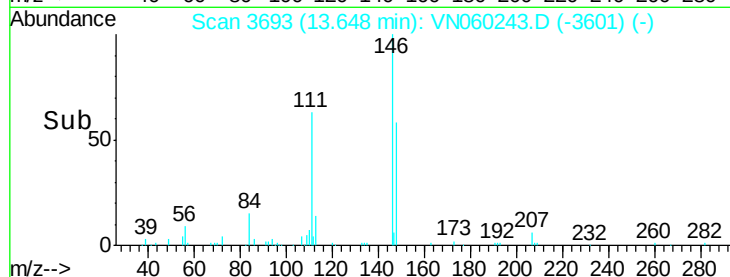
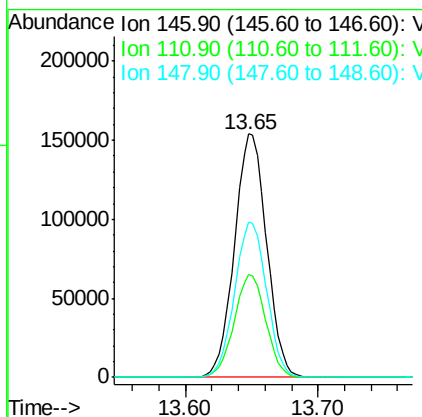
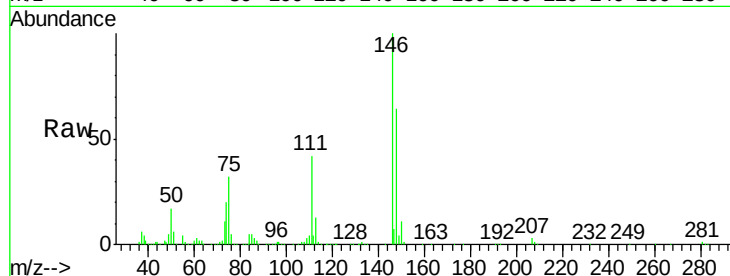
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	258764
Ion Ratio	Lower	Upper	
146	100		
111	41.6	20.1	60.2
148	63.5	31.9	95.5

Manual Integrations
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2/26/2020 10:44:38 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 46.560 ug/l

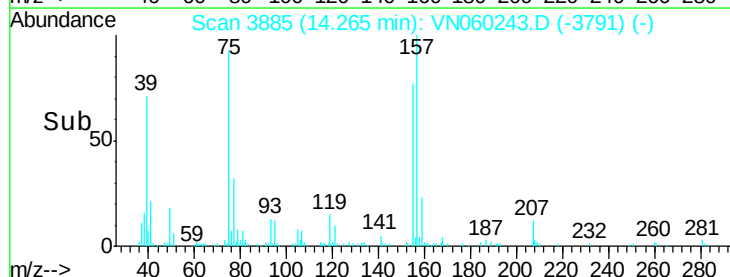
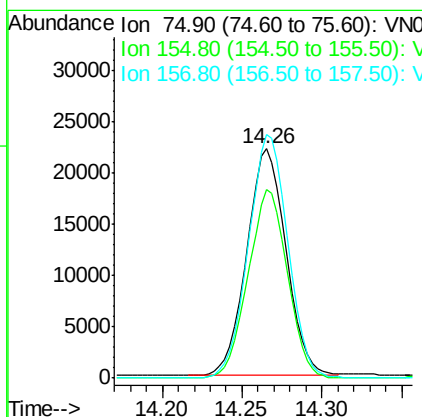
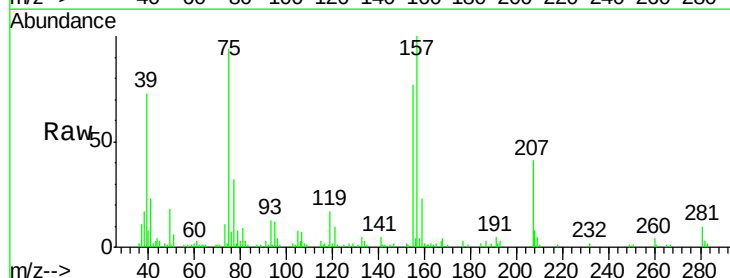
RT: 14.26 min Scan# 3885

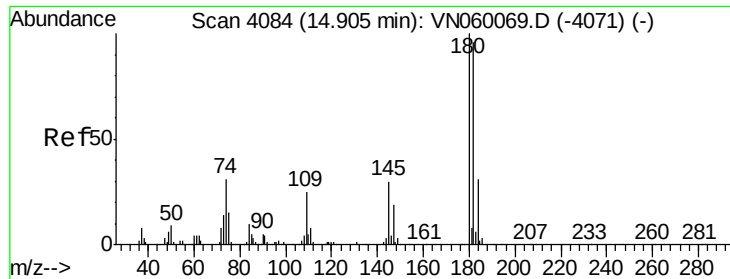
Delta R.T. 0.00 min

Lab File: VN060243.D

Acq: 25 Feb 2020 18:37

Tgt Ion:	75	Resp:	37120
Ion Ratio	Lower	Upper	
75	100		
155	83.0	43.0	129.0
157	108.0	54.9	164.5





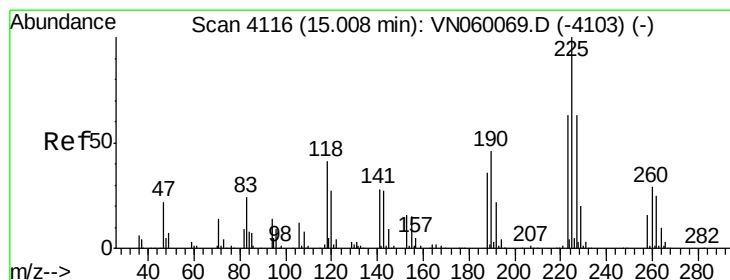
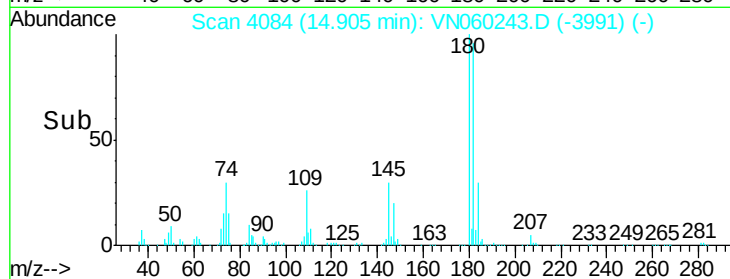
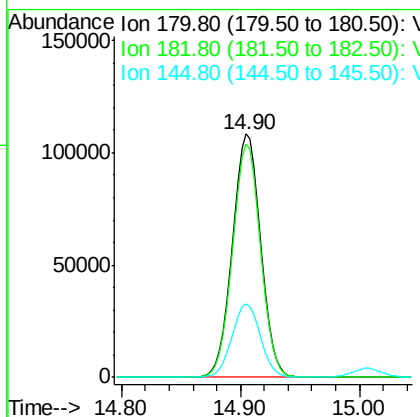
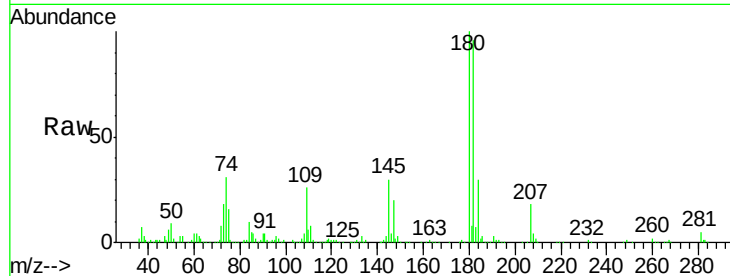
#93
 1,2,4-Trichlorobenzene
 Concen: 54.106 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN060243.D
 Acq: 25 Feb 2020 18:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	177835		
182	95.2	47.9	143.8	
145	30.1	15.2	45.5	

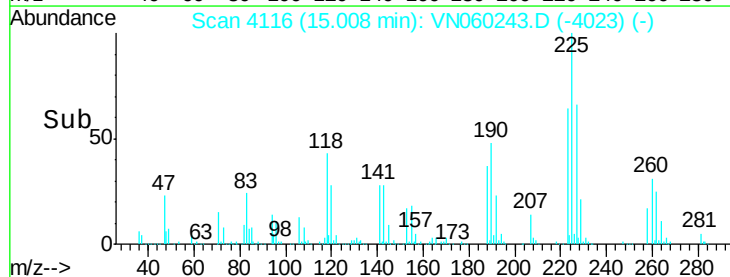
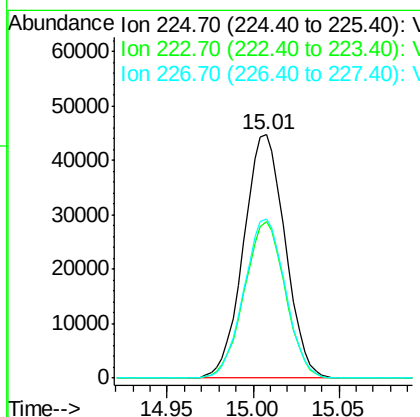
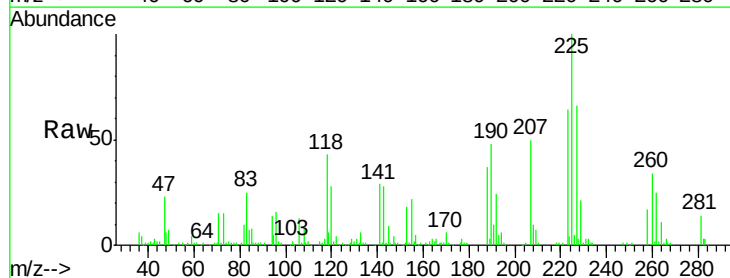
Manual Integrations
 APPROVED

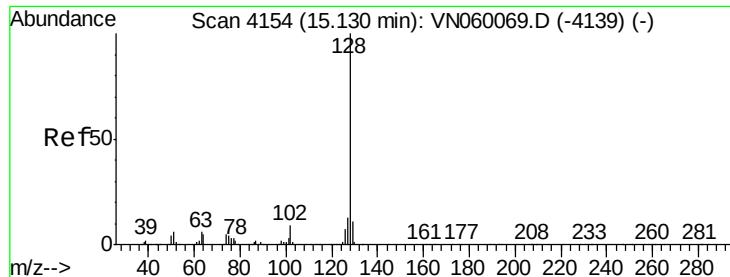
MMDadoda
 2/26/2020 10:44:38 AM



#94
 Hexachlorobutadiene
 Concen: 38.927 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN060243.D
 Acq: 25 Feb 2020 18:37

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	74903		
223	63.4	31.5	94.5	
227	65.1	31.8	95.4	





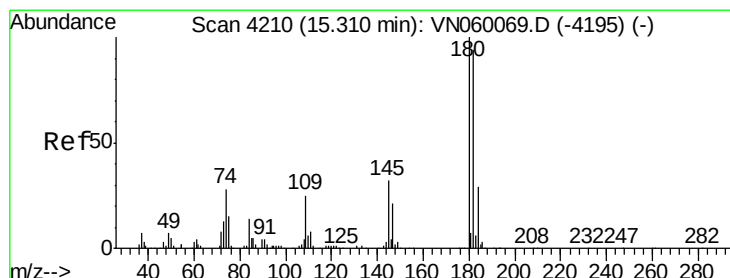
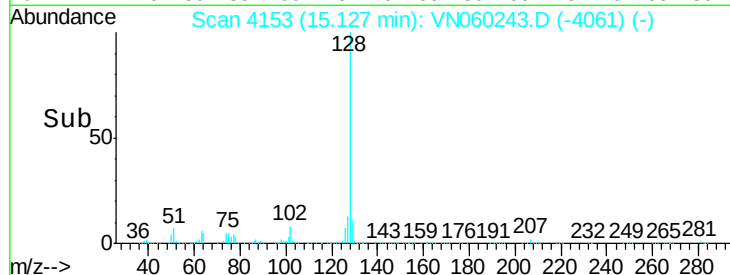
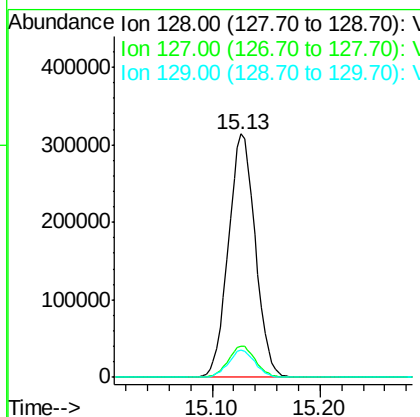
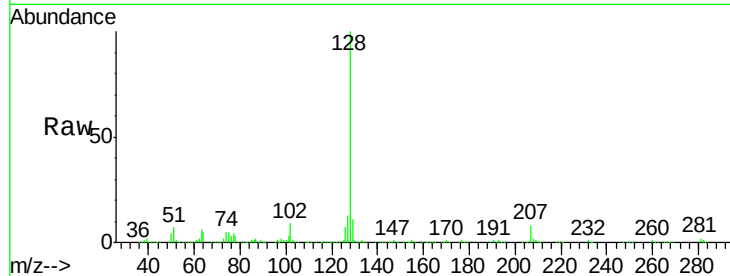
#95
Naphthalene
Concen: 61.245 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. -0.00 min
Lab File: VN060243.D
Acq: 25 Feb 2020 18:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.3	15.5
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
2/26/2020 10:44:38 AM



#96
1,2,3-Trichlorobenzene
Concen: 51.529 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN060243.D
Acq: 25 Feb 2020 18:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.5	142.5
145	33.0	16.1	48.3

