

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031920\
 Data File : VN060626.D
 Acq On : 19 Mar 2020 11:02
 Operator : JC/MD
 Sample : VN0319WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0319WBS01

Manual Integrations
 APPROVED

MMDadoda
 3/20/2020 12:05:33 PM

Quant Time: Mar 20 06:57:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	209756	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	342689	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	309139	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	141794	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	131175	45.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.12%	
35) Dibromofluoromethane	7.56	113	97820	47.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.42%	
50) Toluene-d8	10.08	98	393431	46.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.96%	
62) 4-Bromofluorobenzene	12.40	95	139592	45.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	38659	19.048	ug/l	97
3) Chloromethane	2.04	50	65334	17.236	ug/l	98
4) Vinyl Chloride	2.16	62	53469	18.034	ug/l	98
5) Bromomethane	2.55	94	25282	19.754	ug/l	100
6) Chloroethane	2.68	64	30907	18.097	ug/l	98
7) Trichlorofluoromethane	3.00	101	68867	18.856	ug/l	99
8) Diethyl Ether	3.38	74	27975	19.067	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	40967	19.358	ug/l	99
10) Methyl Iodide	3.92	142	35916	19.073	ug/l	99
11) Tert butyl alcohol	4.72	59	37350	88.198	ug/l	97
12) 1,1-Dichloroethene	3.71	96	41719	18.370	ug/l	99
13) Acrolein	3.58	56	33861	72.146	ug/l	99
14) Allyl chloride	4.29	41	77556	19.417	ug/l	95
15) Acrylonitrile	4.94	53	109090	87.603	ug/l	100
16) Acetone	3.78	43	96109	94.227	ug/l	99
17) Carbon Disulfide	4.03	76	126578	18.327	ug/l	100
18) Methyl Acetate	4.29	43	49778	17.339	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	140775	18.030	ug/l	98
20) Methylene Chloride	4.52	84	45306	18.057	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	44549	18.406	ug/l	97
22) Diisopropyl ether	5.91	45	157860	18.707	ug/l	98
23) Vinyl Acetate	5.86	43	639556	92.889	ug/l	100
24) 1,1-Dichloroethane	5.81	63	85292	18.541	ug/l	99
25) 2-Butanone	6.80	43	146546	88.790	ug/l	99
26) 2,2-Dichloropropane	6.79	77	73984	20.441	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	51519	18.731	ug/l	99
28) Bromochloromethane	7.17	49	41904	19.039	ug/l	99
29) Tetrahydrofuran	7.18	42	98500	84.348	ug/l	99
30) Chloroform	7.34	83	81566	18.495	ug/l	98
31) Cyclohexane	7.63	56	85249	18.382	ug/l	98
32) 1,1,1-Trichloroethane	7.54	97	70678	18.591	ug/l	98
36) 1,1-Dichloropropene	7.77	75	64843	19.541	ug/l	99
37) Ethyl Acetate	6.89	43	66025	18.415	ug/l	99
38) Carbon Tetrachloride	7.75	117	55715	18.734	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	76653	19.438	ug/l	98
40) Benzene	8.02	78	190541	19.022	ug/l	100
41) Methacrylonitrile	7.15	41	31056m	20.296	ug/l	
42) 1,2-Dichloroethane	8.10	62	65453	19.119	ug/l	100
43) Isopropyl Acetate	8.14	43	107737	18.220	ug/l	100
44) Trichloroethene	8.82	130	49090	19.440	ug/l	100
45) 1,2-Dichloropropane	9.10	63	51887	19.630	ug/l	97
46) Dibromomethane	9.19	93	30340	18.987	ug/l	100
47) Bromodichloromethane	9.38	83	62680	18.876	ug/l	100
48) Methyl methacrylate	9.18	41	46913	17.819	ug/l	99
49) 1,4-Dioxane	9.18	88	12742	407.186	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	302719	89.965	ug/l	100
52) Toluene	10.14	92	114540	18.933	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	73323	19.223	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	80432	19.222	ug/l	97
55) 1,1,2-Trichloroethane	10.55	97	44262	19.018	ug/l	99
56) Ethyl methacrylate	10.42	69	66191	18.240	ug/l	97
57) 1,3-Dichloropropane	10.70	76	77677	19.233	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	162100	89.875	ug/l	100
59) 2-Hexanone	10.74	43	213926	88.258	ug/l	100
60) Dibromochloromethane	10.89	129	44847	18.655	ug/l	100
61) 1,2-Dibromoethane	10.99	107	43573	18.618	ug/l	100
64) Tetrachloroethene	10.62	164	48349	19.875	ug/l	99
65) Chlorobenzene	11.42	112	115455	18.839	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	42753	19.268	ug/l	99
67) Ethyl Benzene	11.50	91	220622	19.358	ug/l	99
68) m/p-Xylenes	11.61	106	162513	38.373	ug/l	99
69) o-Xylene	11.94	106	78504	19.418	ug/l	99
70) Styrene	11.96	104	123055	18.611	ug/l	99
71) Bromoform	12.12	173	30882	17.863	ug/l #	99
73) Isopropylbenzene	12.24	105	207029	19.456	ug/l	100
74) N-amyl acetate	12.06	43	88971	18.094	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	59005	18.336	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	53396m	17.452	ug/l	
77) Bromobenzene	12.52	156	48004	18.721	ug/l	99
78) n-propylbenzene	12.59	91	242565	19.294	ug/l	99
79) 2-Chlorotoluene	12.67	91	142504	18.971	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	173322	19.193	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	21516	18.061	ug/l	97
82) 4-Chlorotoluene	12.77	91	146138	19.102	ug/l	100
83) tert-Butylbenzene	12.99	119	143618	19.185	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	172484	19.307	ug/l	99
85) sec-Butylbenzene	13.17	105	193416	19.214	ug/l	100
86) p-Isopropyltoluene	13.28	119	172505	19.057	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	85039	18.804	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	85063	18.722	ug/l	99
89) n-Butylbenzene	13.61	91	155398	19.015	ug/l	100
90) Hexachloroethane	13.87	117	24396	18.541	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	82520	19.083	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	11044	16.204	ug/l	98

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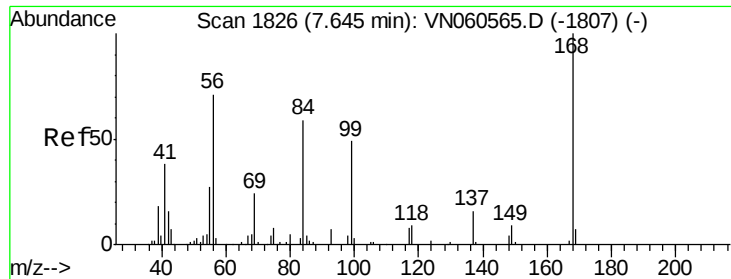
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	47409	17.853	ug/l	99
94) Hexachlorobutadiene	15.01	225	24054	18.478	ug/l	99
95) Naphthalene	15.13	128	133226	16.680	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	45468	17.383	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060626.D

Acq: 19 Mar 2020 11:02

Instrument :

MSVOA_N

ClientSampleId :

VN0319WBS01

Tot Ion:168 Resp: 209756

Ion Ratio Lower Upper

168 100

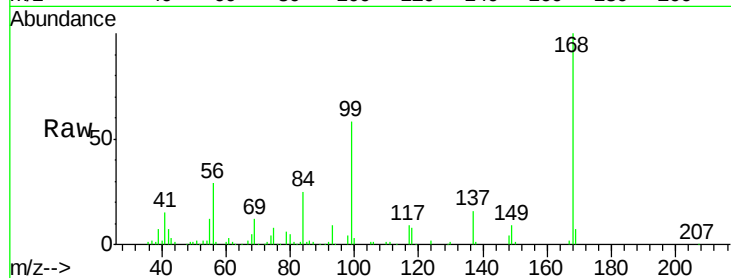
99 58.2 44.0 66.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

80000

60000

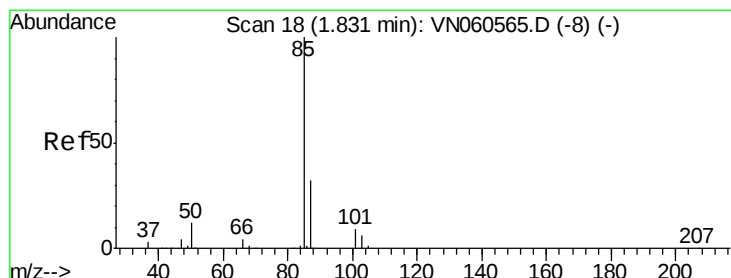
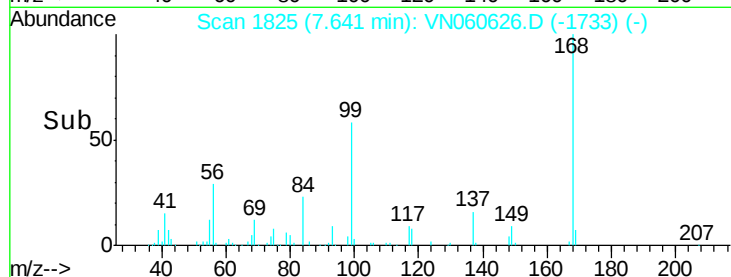
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 19.048 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060626.D

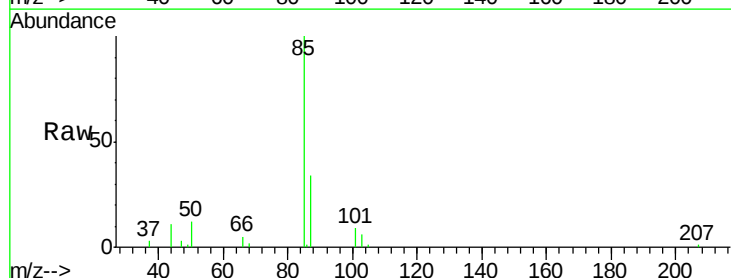
Acq: 19 Mar 2020 11:02

Tgt Ion: 85 Resp: 38659

Ion Ratio Lower Upper

85 100

87 33.7 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

30000

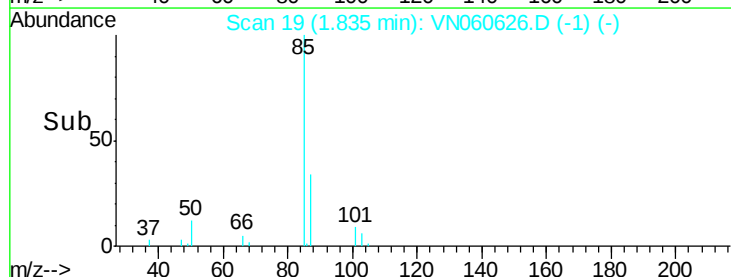
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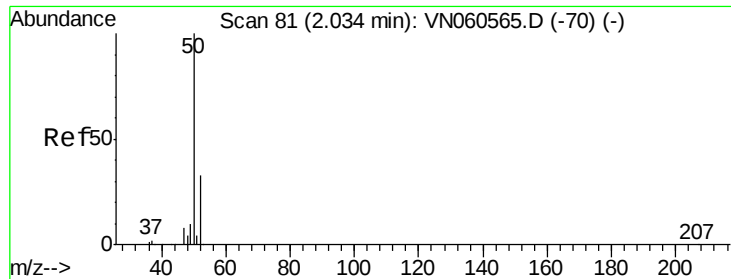
10000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 17.236 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060626.D

Acq: 19 Mar 2020 11:02

Instrument :

MSVOA_N

ClientSampleId :

VN0319WBS01

Tot Ion: 50 Resp: 65334

Ion Ratio Lower Upper

50 100

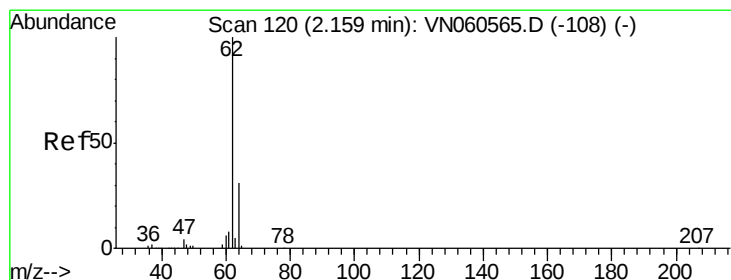
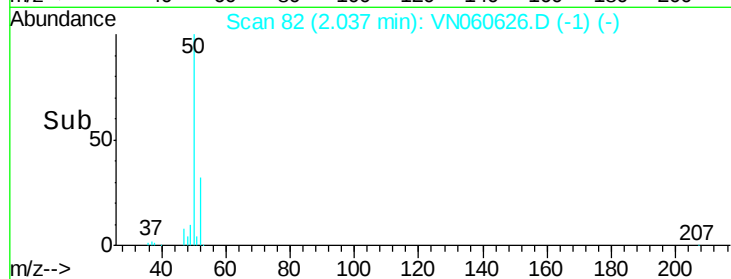
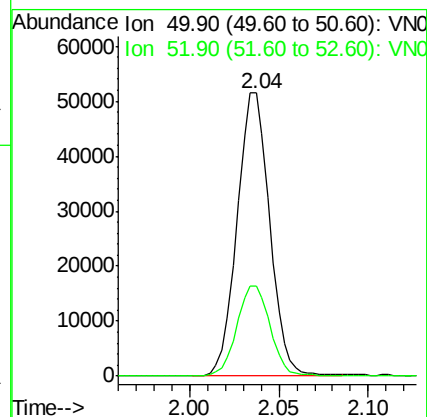
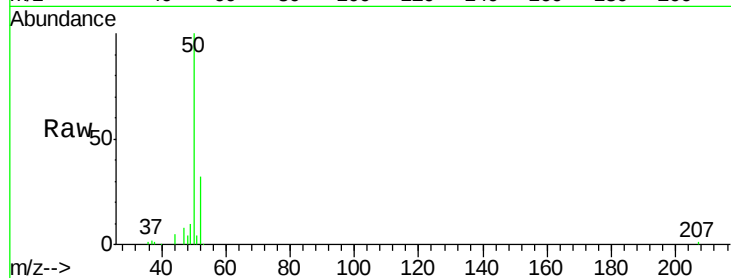
52 31.8 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.034 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060626.D

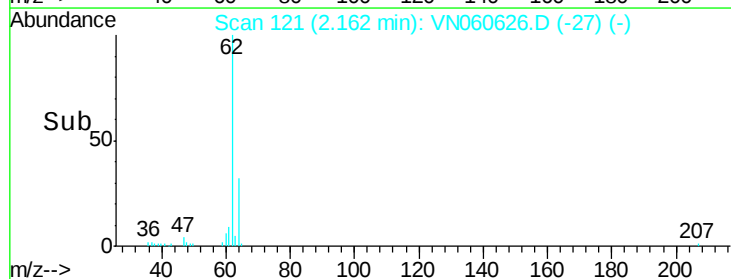
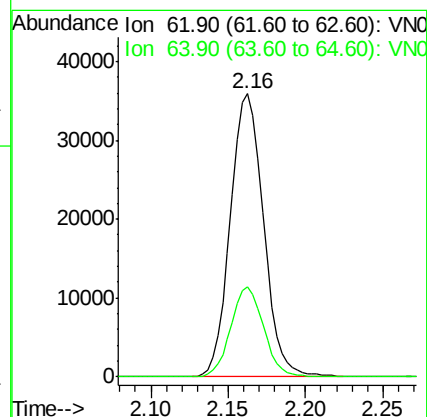
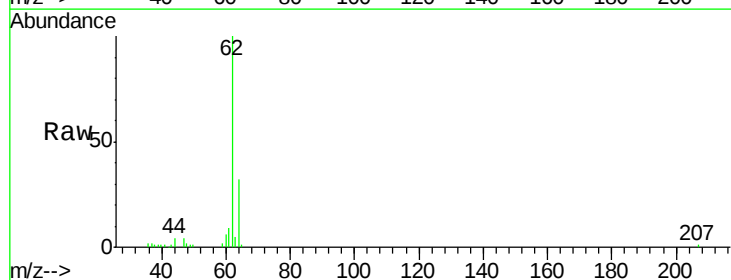
Acq: 19 Mar 2020 11:02

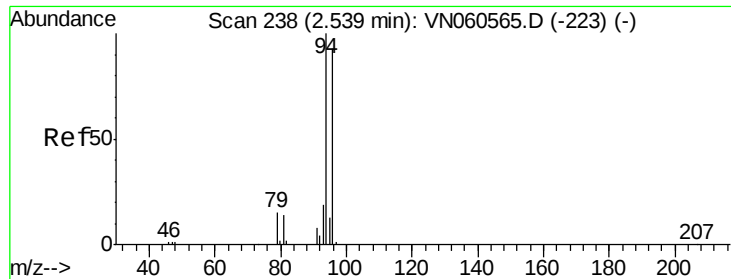
Tgt Ion: 62 Resp: 53469

Ion Ratio Lower Upper

62 100

64 31.8 24.7 37.1





#5

Bromomethane

Concen: 19.754 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN060626.D

Acq: 19 Mar 2020 11:02

Instrument :

MSVOA_N

ClientSampled :

VN0319WBS01

Tot Ion: 94 Resp: 25282

Ion Ratio Lower Upper

94 100

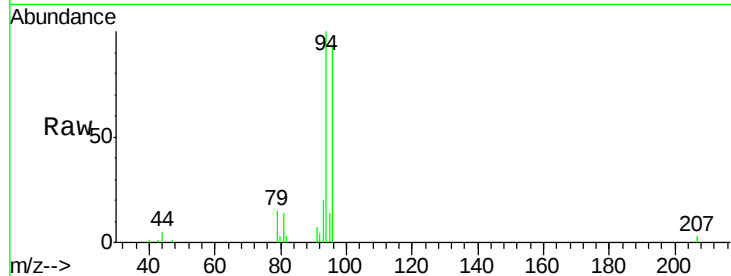
96 93.4 74.6 112.0

Manual Integrations

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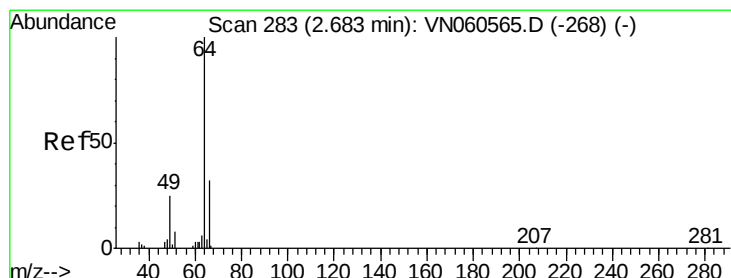
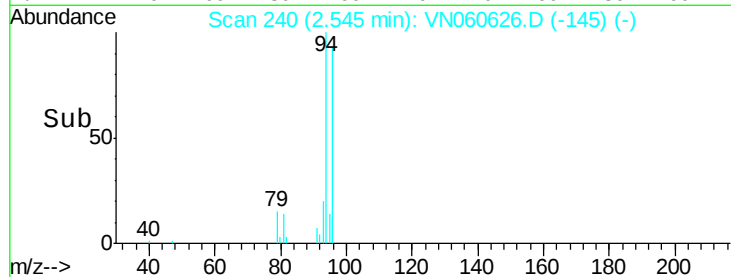
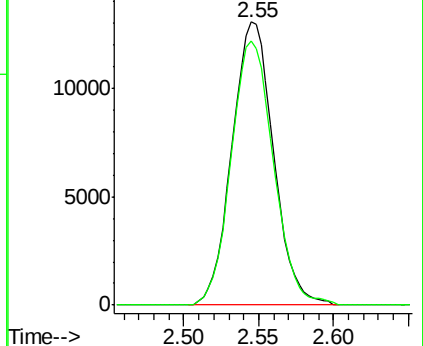
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.097 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN060626.D

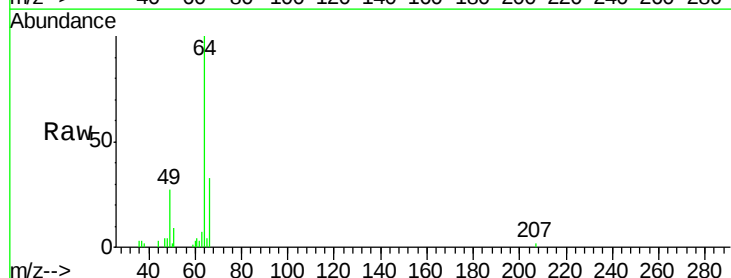
Acq: 19 Mar 2020 11:02

Tgt Ion: 64 Resp: 30907

Ion Ratio Lower Upper

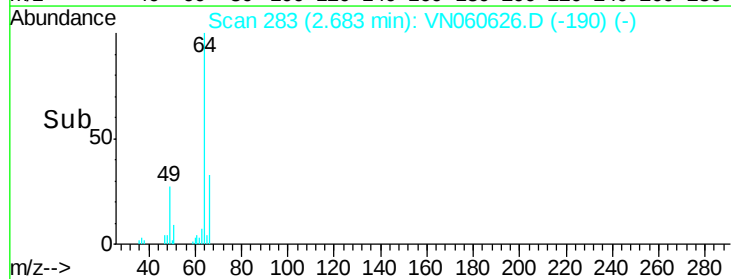
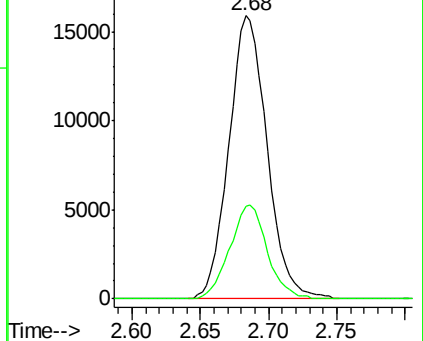
64 100

66 32.6 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

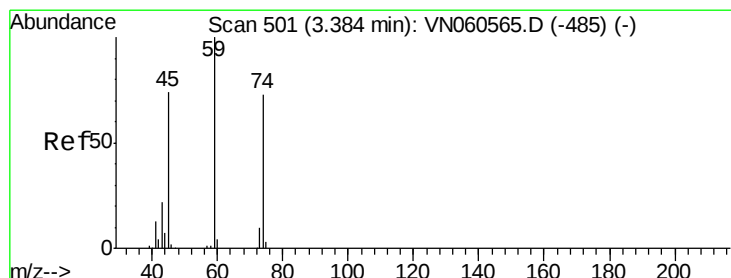
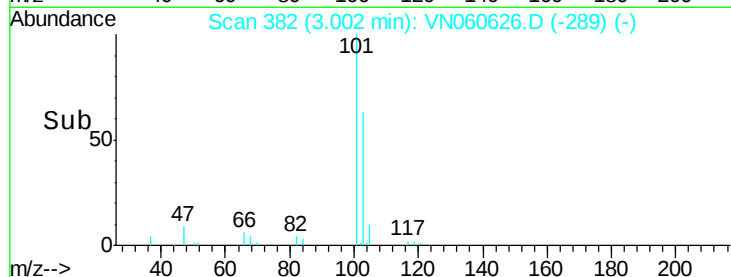
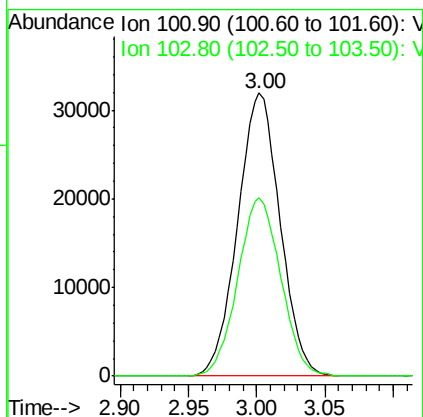
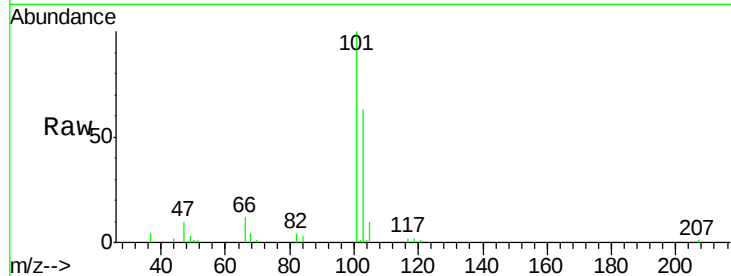
Trichlorofluoromethane
 Concen: 18.856 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. -0.00 min
 Lab File: VN060626.D
 Acq: 19 Mar 2020 11:02

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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.9	50.6	76.0

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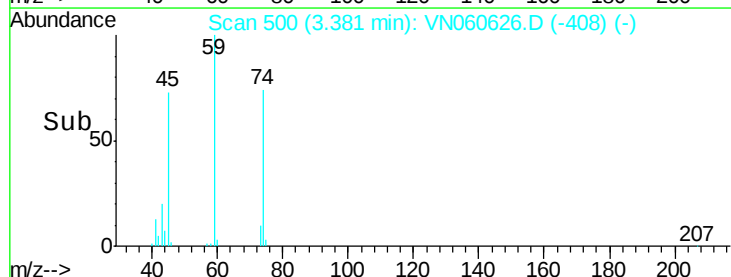
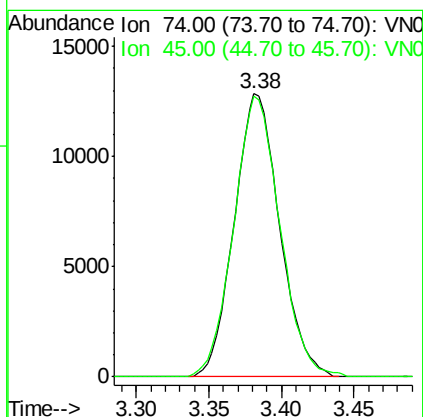
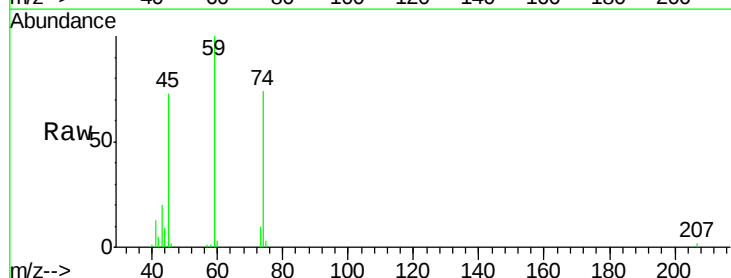
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#8

Diethyl Ether
 Concen: 19.067 ug/l
 RT: 3.38 min Scan# 500
 Delta R.T. -0.00 min
 Lab File: VN060626.D
 Acq: 19 Mar 2020 11:02

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.7	51.3	153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.358 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN060626.D

Acq: 19 Mar 2020 11:02

Instrument :

MSVOA_N

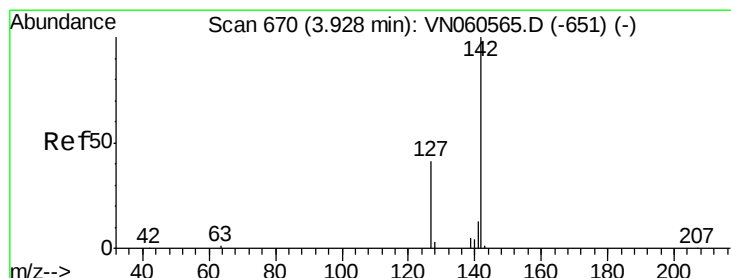
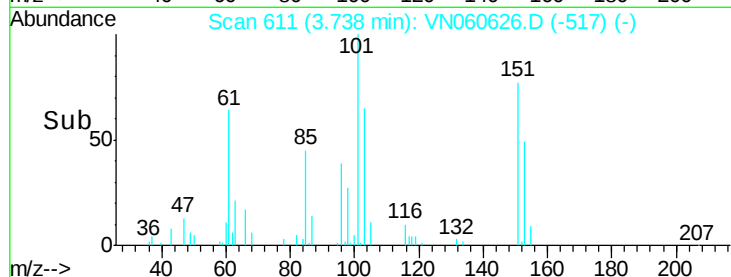
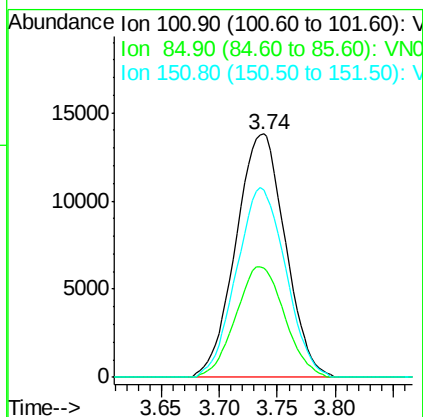
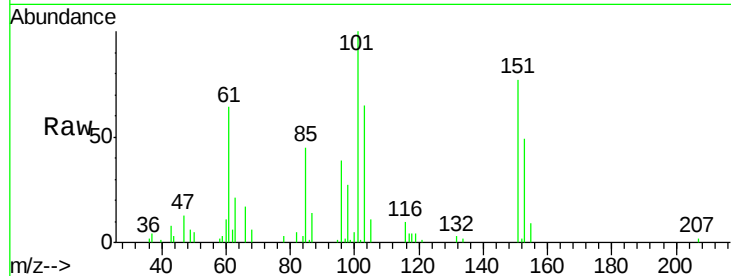
ClientSampled :

VN0319WBS01

Tot Ion:	101	Resp:	40967
Ion Ratio	Lower	Upper	
101	100		
85	44.8	35.6	53.4
151	77.4	61.4	92.2

Manual Integrations
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#10

Methyl Iodide

Concen: 19.073 ug/l

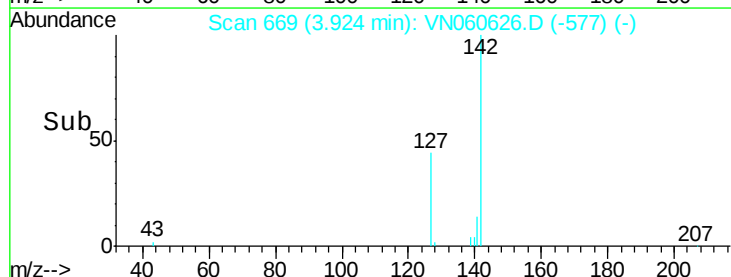
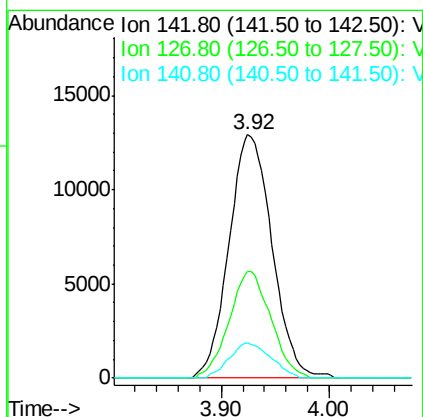
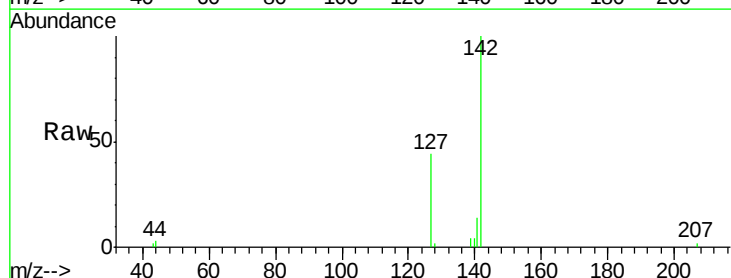
RT: 3.92 min Scan# 669

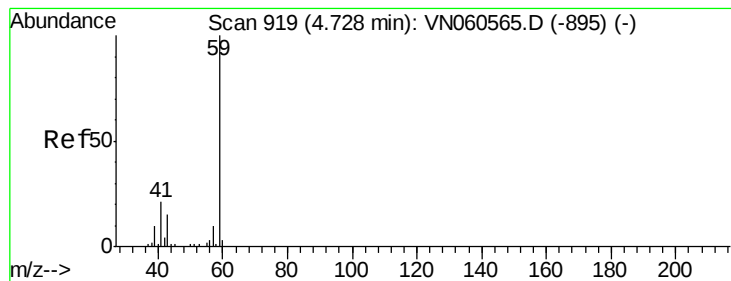
Delta R.T. -0.00 min

Lab File: VN060626.D

Acq: 19 Mar 2020 11:02

Tgt Ion:	142	Resp:	35916
Ion Ratio	Lower	Upper	
142	100		
127	42.3	33.5	50.3
141	13.9	11.0	16.6





#11

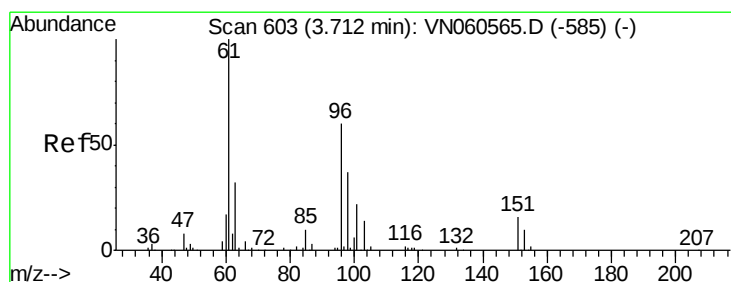
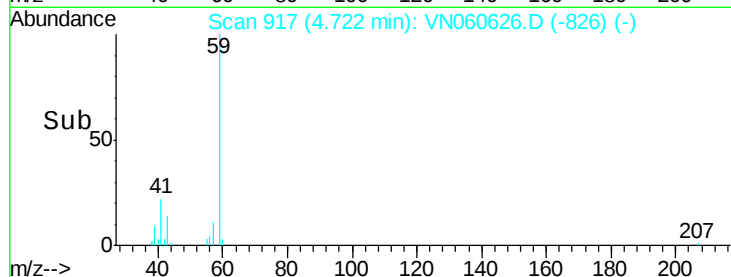
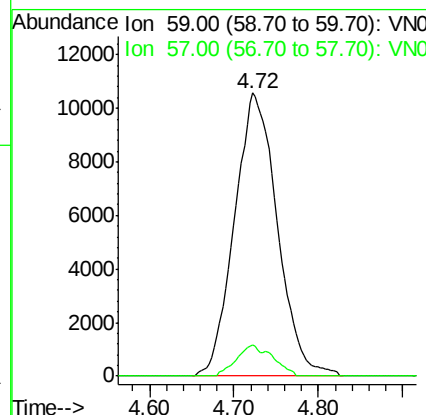
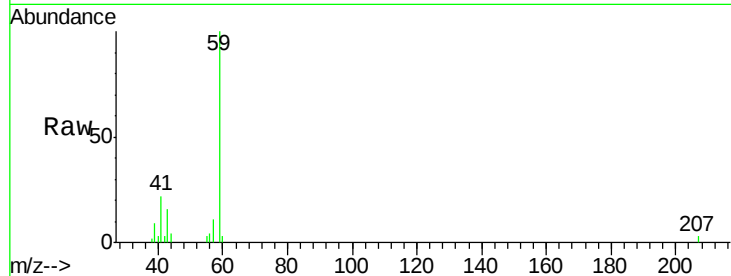
Tert butyl alcohol
Concen: 88.198 ug/l
RT: 4.72 min Scan# 917
Delta R.T. -0.01 min
Lab File: VN060626.D
Acq: 19 Mar 2020 11:02

Instrument :
MSVOA_N
ClientSampleId :
VN0319WBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	37350		
57	9.3		8.2	12.4

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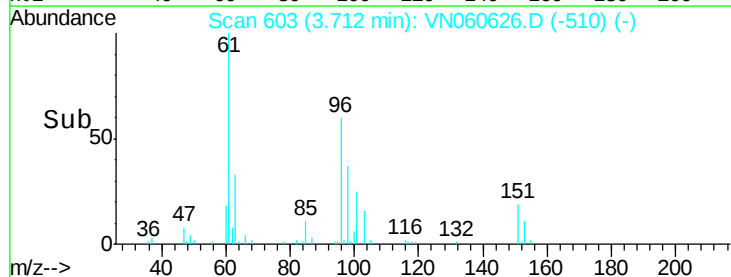
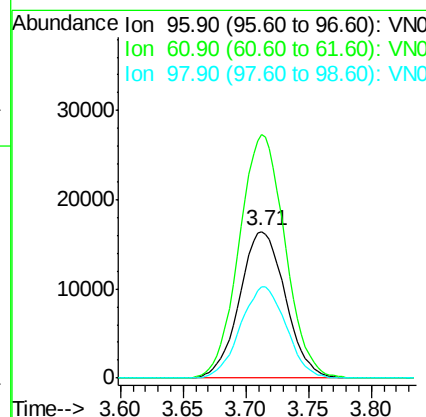
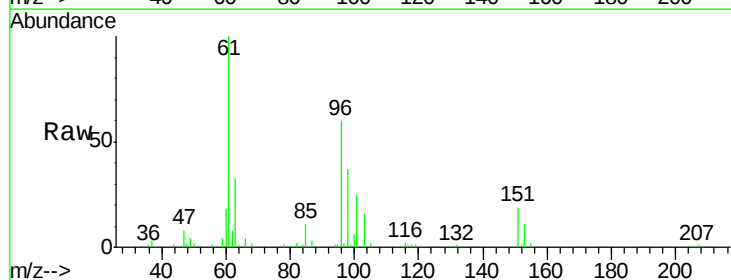
MMDadoda
3/20/2020 12:05:33 PM

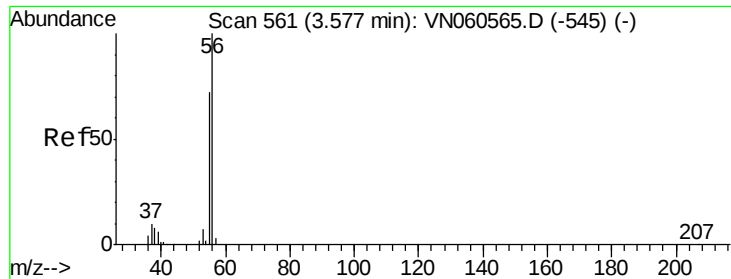


#12

1,1-Dichloroethene
Concen: 18.370 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN060626.D
Acq: 19 Mar 2020 11:02

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	41719		
61	166.4		134.1	201.1
98	62.3		49.9	74.9





#13

Acrolein

Concen: 72.146 ug/l

RT: 3.58 min Scan# 561

Delta R.T. -0.00 min

Lab File: VN060626.D

Acq: 19 Mar 2020 11:02

Instrument :

MSVOA_N

ClientSampleId :

VN0319WBS01

Tot Ion: 56 Resp: 33861

Ion Ratio Lower Upper

56 100

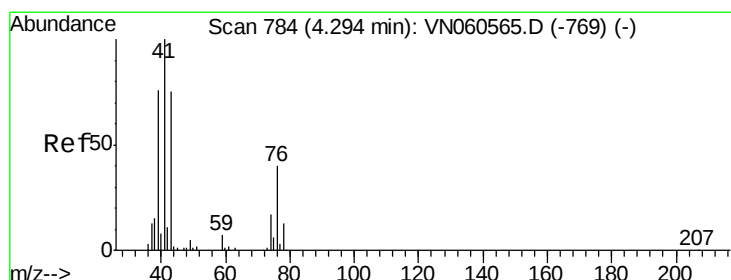
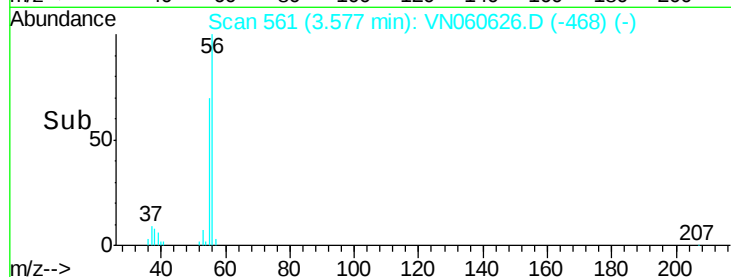
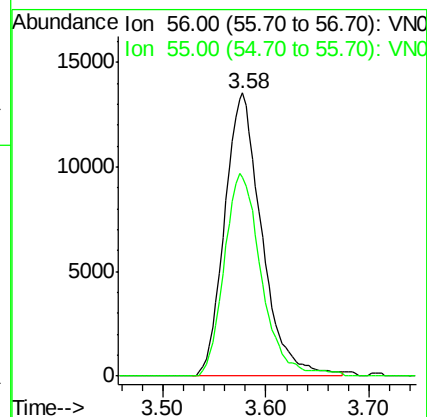
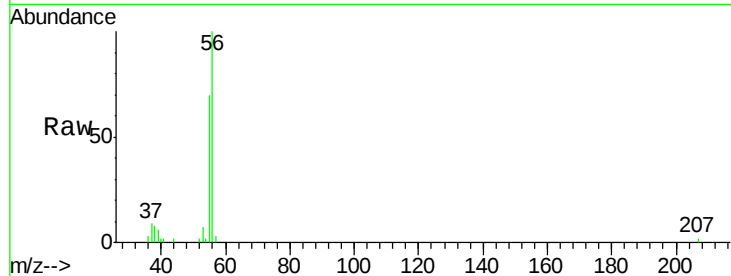
55 72.0 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 19.417 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN060626.D

Acq: 19 Mar 2020 11:02

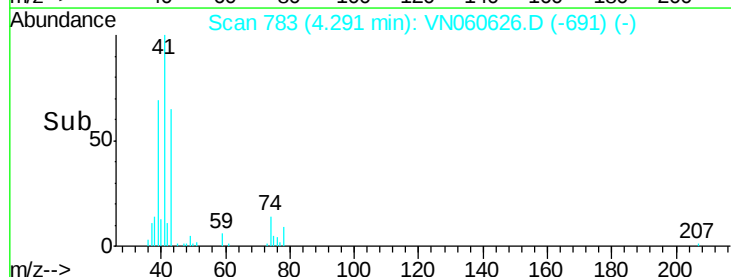
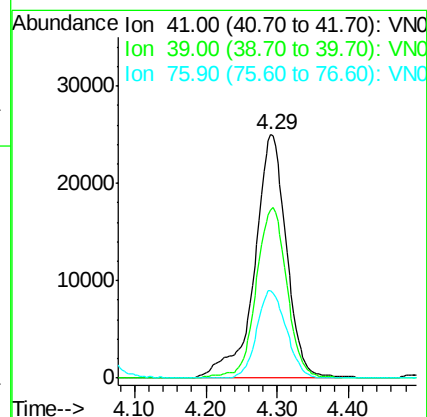
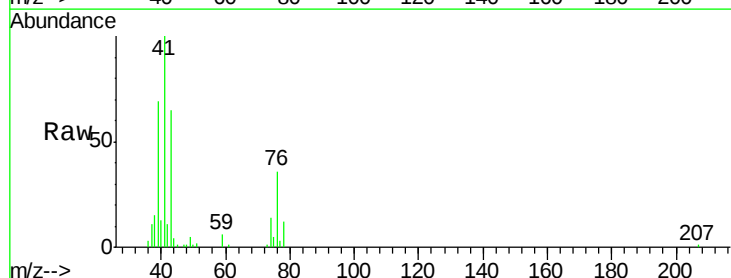
Tgt Ion: 41 Resp: 77556

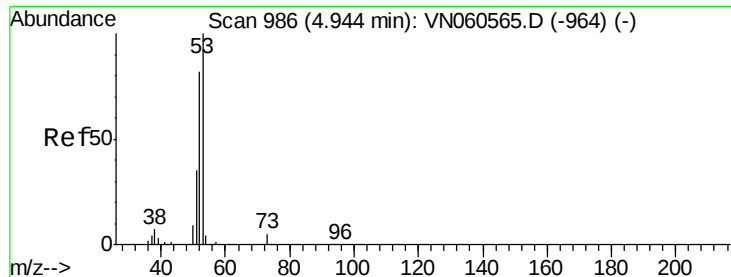
Ion Ratio Lower Upper

41 100

39 67.7 57.8 86.8

76 33.1 28.6 43.0





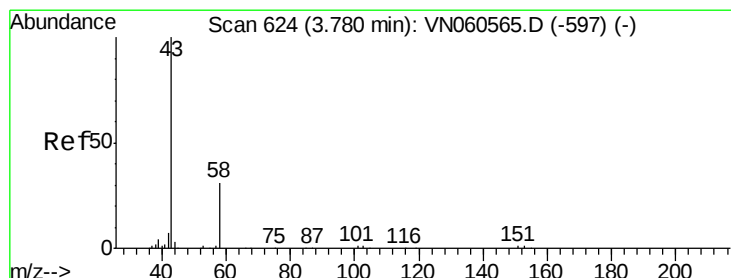
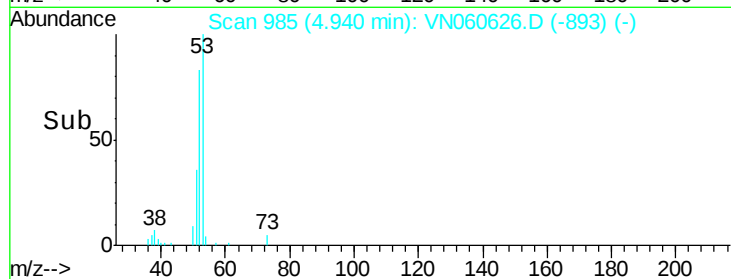
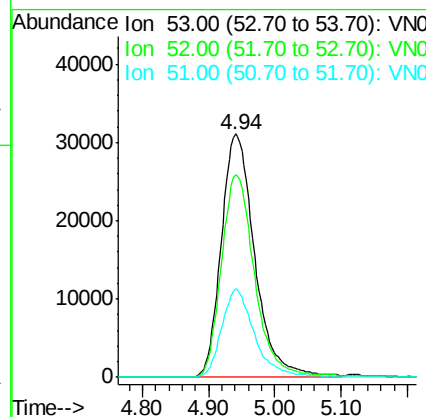
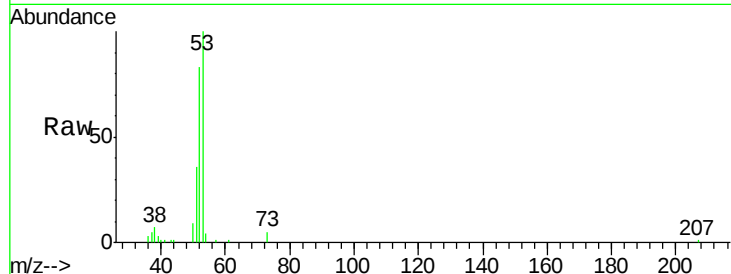
#15
 Acrylonitrile
 Concen: 87.603 ug/l
 RT: 4.94 min Scan# 985
 Delta R.T. -0.00 min
 Lab File: VN060626.D
 Acq: 19 Mar 2020 11:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0319WBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.2	99.4
51	35.7	28.7	43.1

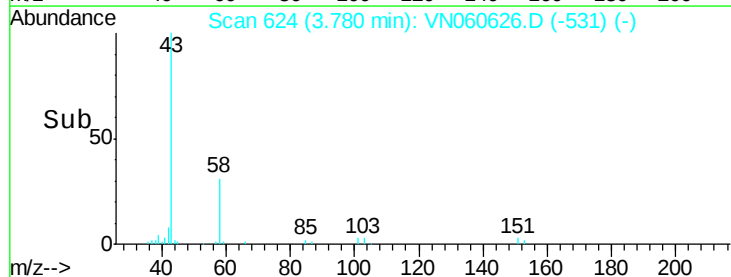
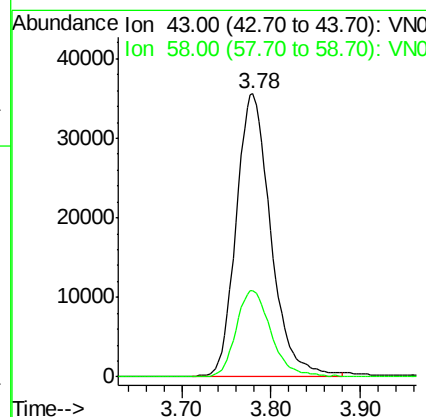
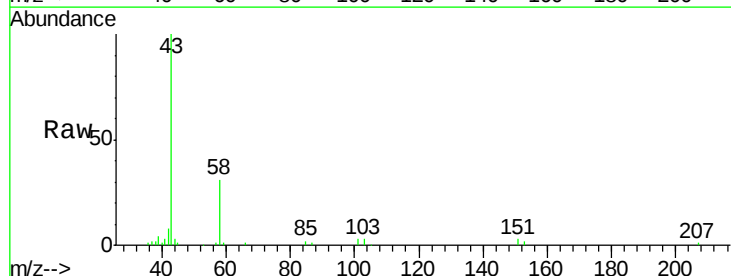
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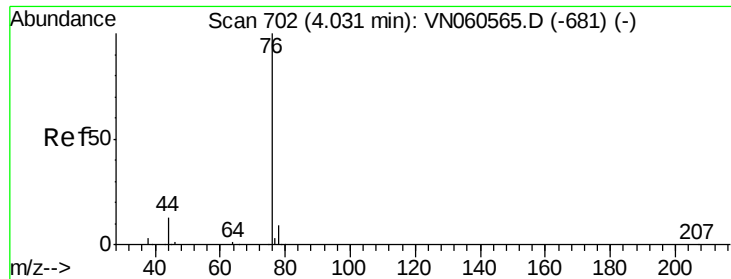
MMDadoda
 3/20/2020 12:05:33 PM



#16
 Acetone
 Concen: 94.227 ug/l
 RT: 3.78 min Scan# 624
 Delta R.T. -0.00 min
 Lab File: VN060626.D
 Acq: 19 Mar 2020 11:02

Tgt Ion	Ratio	Lower	Upper
43	100		
58	30.7	25.1	37.7





#17

Carbon Disulfide

Concen: 18.327 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN060626.D

Acq: 19 Mar 2020 11:02

Instrument :

MSVOA_N

ClientSampleId :

VN0319WBS01

Tot Ion: 76 Resp: 126578

Ion Ratio Lower Upper

76 100

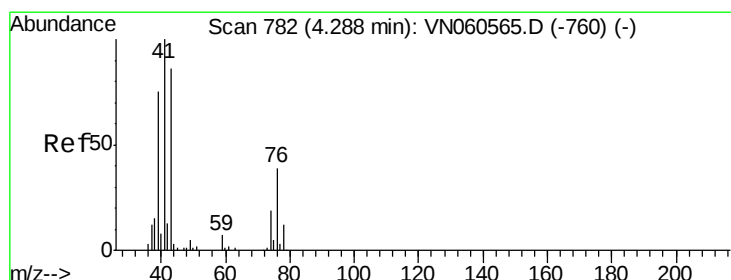
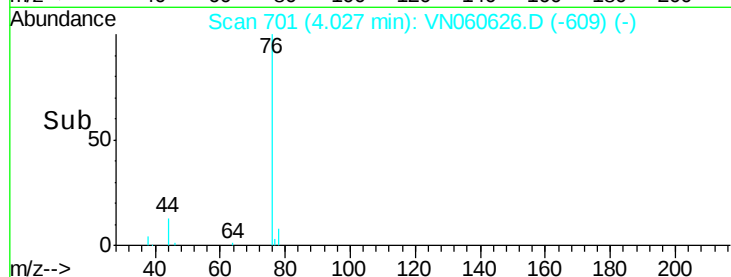
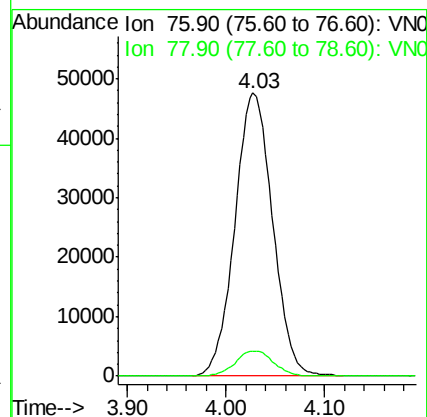
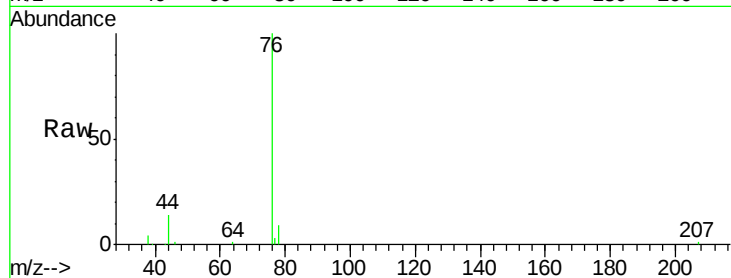
78 8.8 7.2 10.8

Manual Integrations

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#18

Methyl Acetate

Concen: 17.339 ug/l

RT: 4.29 min Scan# 782

Delta R.T. -0.00 min

Lab File: VN060626.D

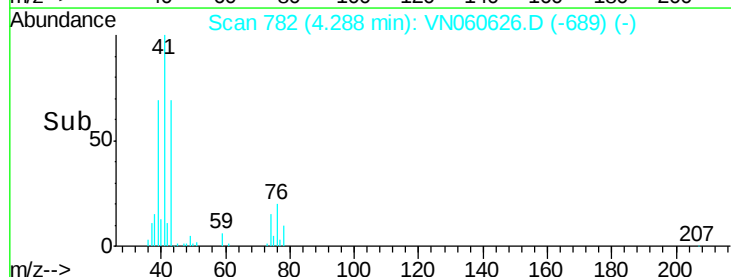
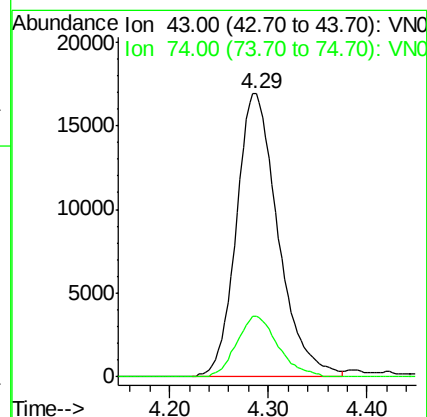
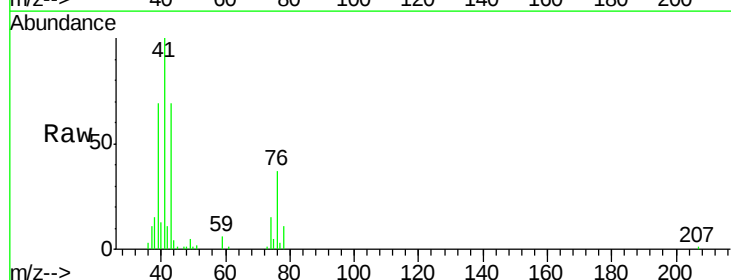
Acq: 19 Mar 2020 11:02

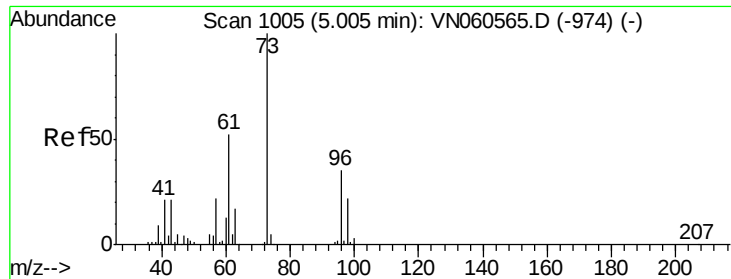
Tgt Ion: 43 Resp: 49778

Ion Ratio Lower Upper

43 100

74 21.2 17.5 26.3





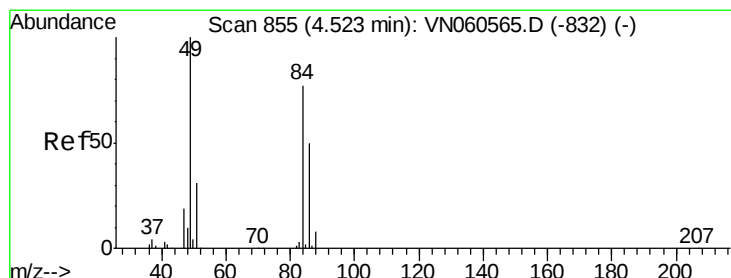
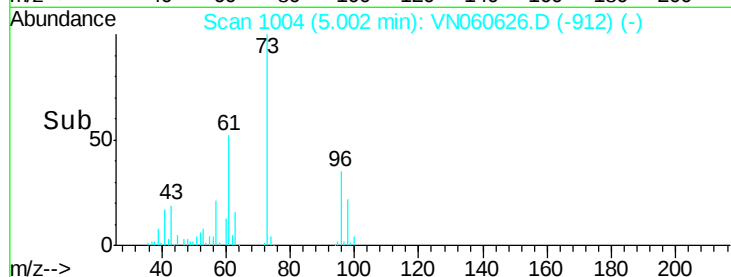
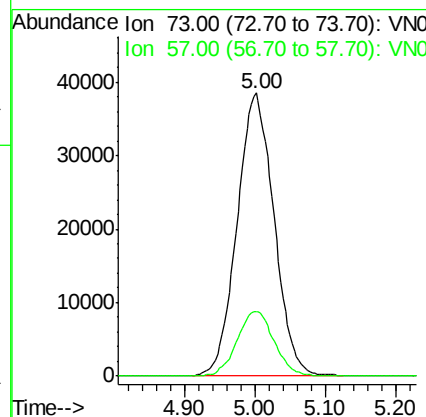
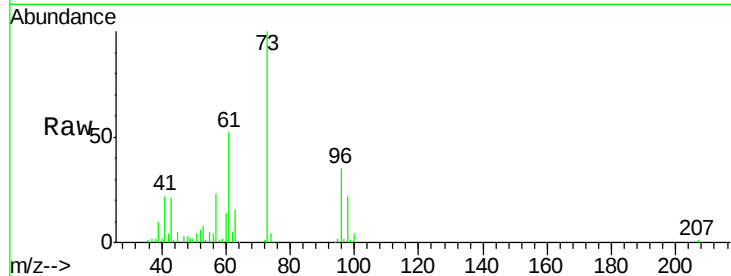
#19
Methvl tert-butvl Ether
Concen: 18.030 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060626.D
Acq: 19 Mar 2020 11:02

Instrument :
MSVOA_N
ClientSampled :
VN0319WBS01

Tot Ion: 73 Resp: 140775
Ion Ratio Lower Upper
73 100
57 22.8 17.5 26.3

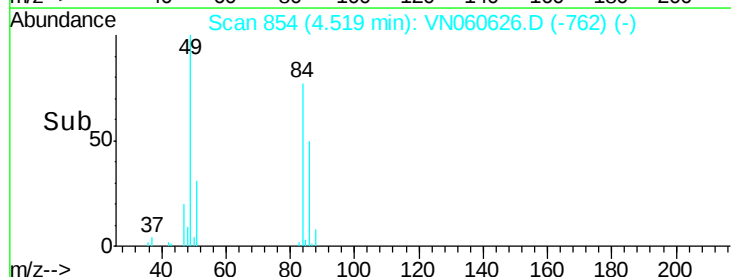
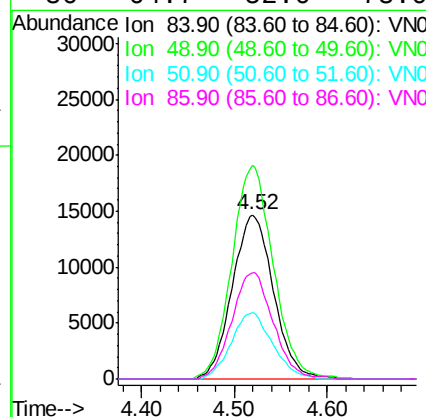
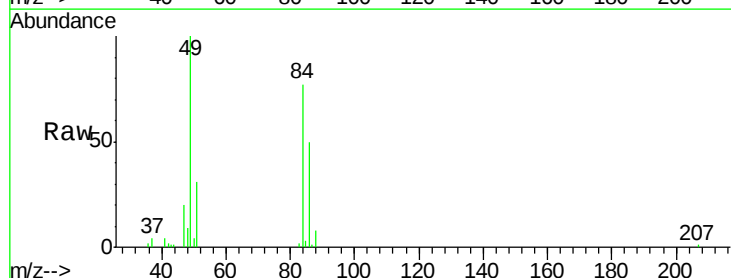
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#20
Methylene Chloride
Concen: 18.057 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060626.D
Acq: 19 Mar 2020 11:02

Tgt Ion: 84 Resp: 45306
Ion Ratio Lower Upper
84 100
49 130.0 103.3 154.9
51 40.4 31.6 47.4
86 64.7 52.0 78.0





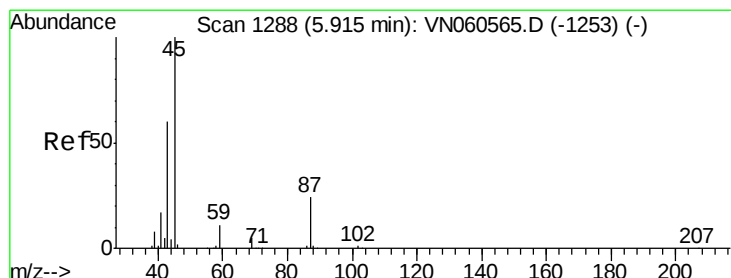
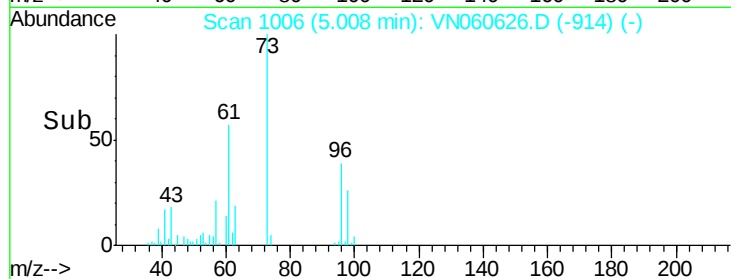
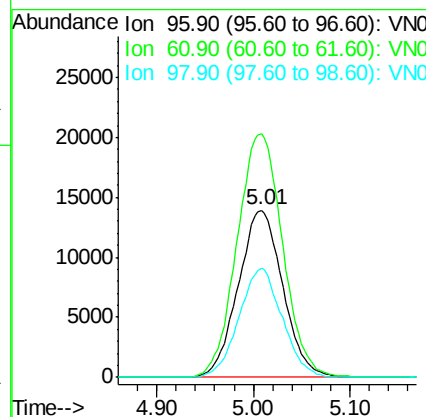
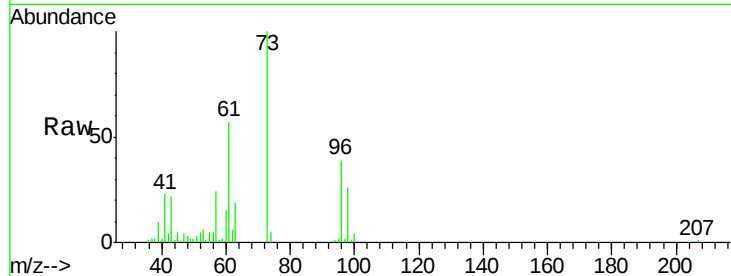
#21
trans-1,2-Dichloroethene
Concen: 18.406 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN060626.D
Acq: 19 Mar 2020 11:02

Instrument :
MSVOA_N
ClientSampleId :
VN0319WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.6	114.4	171.6
98	65.2	48.4	72.6

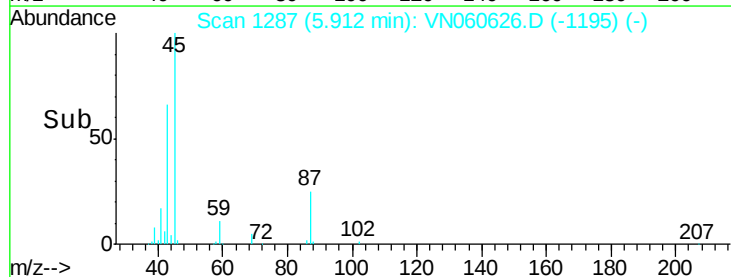
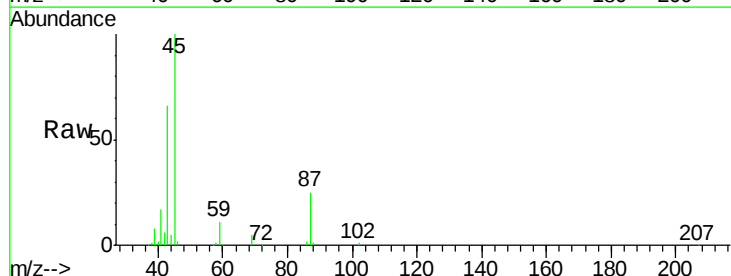
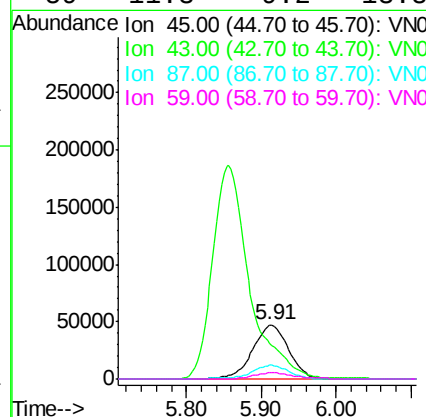
Manual Integrations
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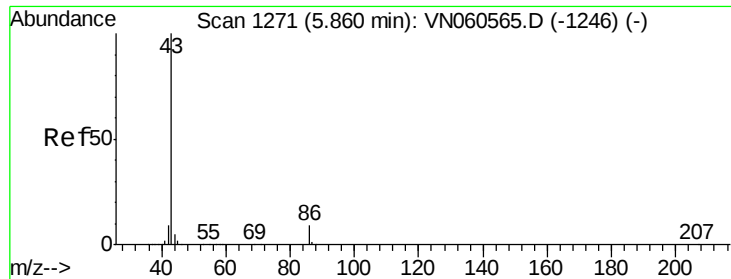
MMDadoda
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#22
Diisopropyl ether
Concen: 18.707 ug/l
RT: 5.91 min Scan# 1287
Delta R.T. -0.00 min
Lab File: VN060626.D
Acq: 19 Mar 2020 11:02

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.6	49.8	74.8
87	25.0	20.1	30.1
59	11.3	9.2	13.8





#23

Vinyl Acetate

Concen: 92.889 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060626.D

Acq: 19 Mar 2020 11:02

Instrument :

MSVOA_N

ClientSampled :

VN0319WBS01

Tot Ion: 43 Resp: 639556

Ion Ratio Lower Upper

43 100

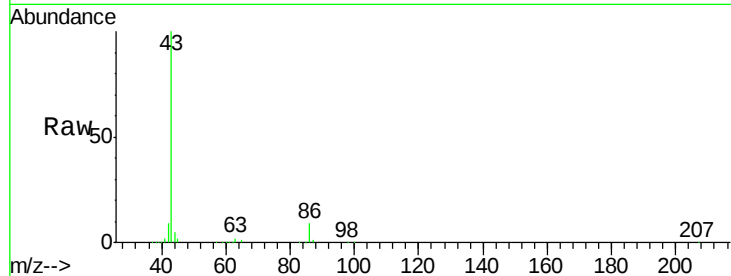
86 9.3 7.6 11.4

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.86

200000

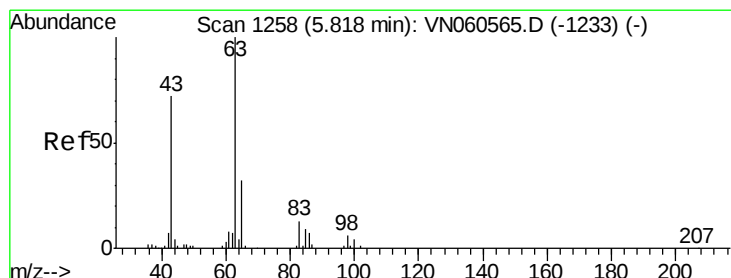
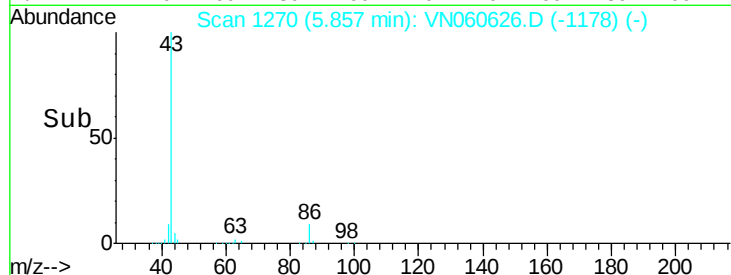
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 18.541 ug/l

RT: 5.81 min Scan# 1256

Delta R.T. -0.01 min

Lab File: VN060626.D

Acq: 19 Mar 2020 11:02

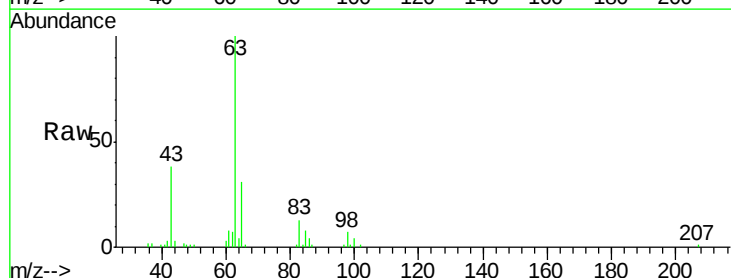
Tgt Ion: 63 Resp: 85292

Ion Ratio Lower Upper

63 100

98 6.5 2.9 8.7

100 3.8 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

5.81

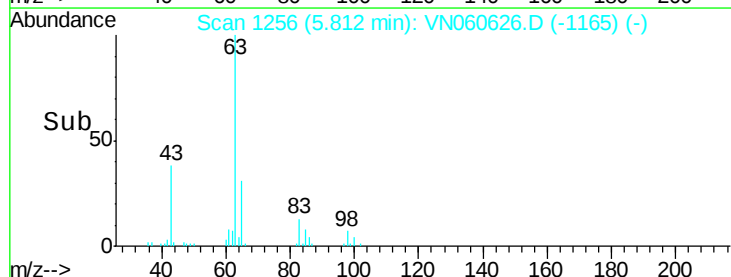
30000

20000

10000

0

Time-->





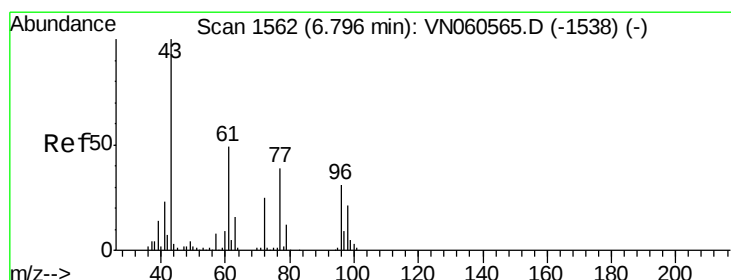
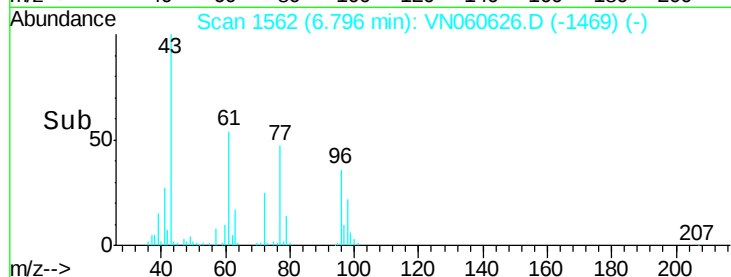
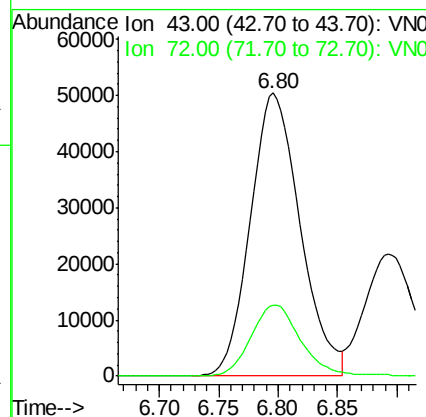
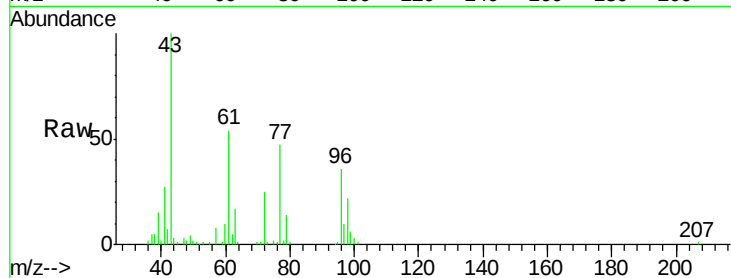
#25
2-Butanone
Concen: 88.790 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. -0.00 min
Lab File: VN060626.D
Acq: 19 Mar 2020 11:02

Instrument :
MSVOA_N
ClientSampleId :
VN0319WBS01

Tot Ion: 43 Resp: 146546
Ion Ratio Lower Upper
43 100
72 25.0 20.4 30.6

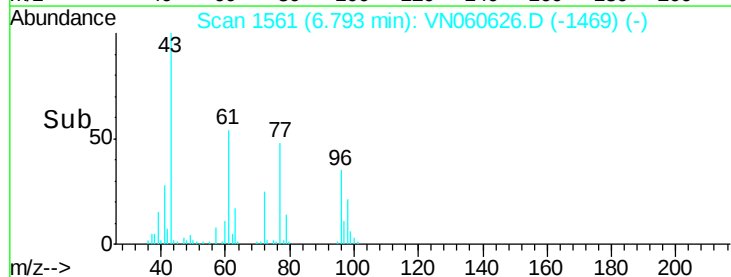
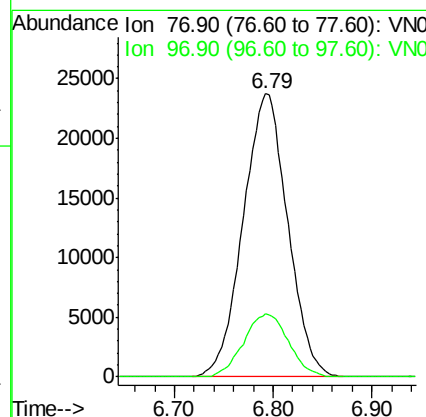
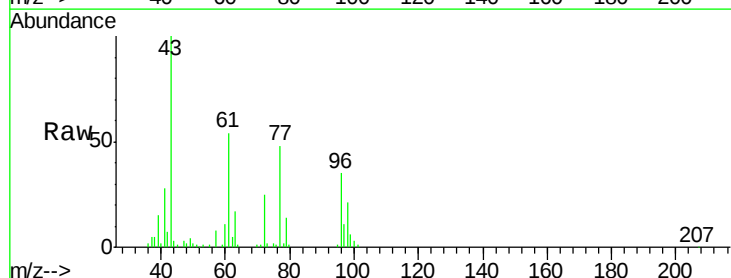
Manual Integrations
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#26
2,2-Dichloropropane
Concen: 20.441 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VN060626.D
Acq: 19 Mar 2020 11:02

Tgt Ion: 77 Resp: 73984
Ion Ratio Lower Upper
77 100
97 22.4 11.4 34.1





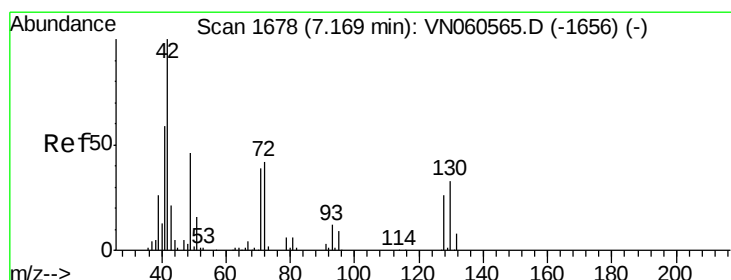
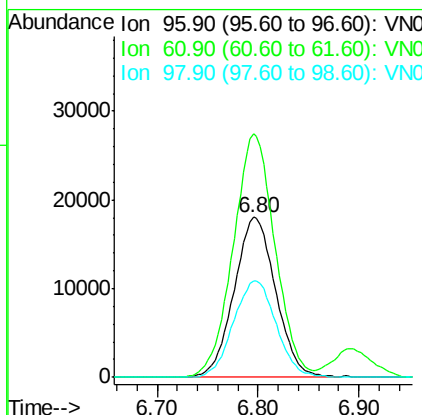
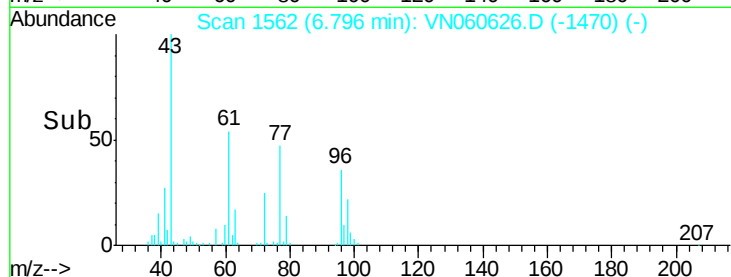
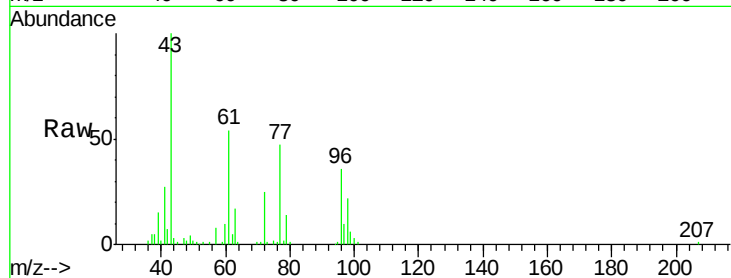
#27
 cis-1,2-Dichloroethene
 Concen: 18.731 ug/l
 RT: 6.80 min Scan# 1562
 Delta R.T. -0.00 min
 Lab File: VN060626.D
 Acq: 19 Mar 2020 11:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0319WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	152.8	0.0	305.6
98	62.1	0.0	127.6

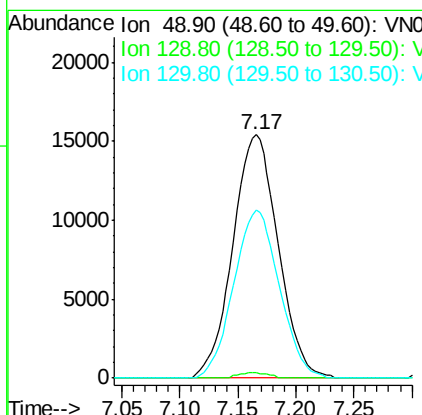
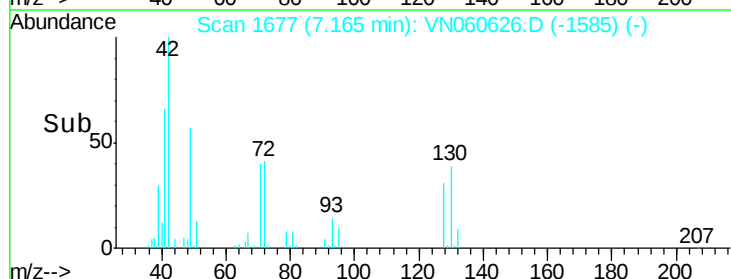
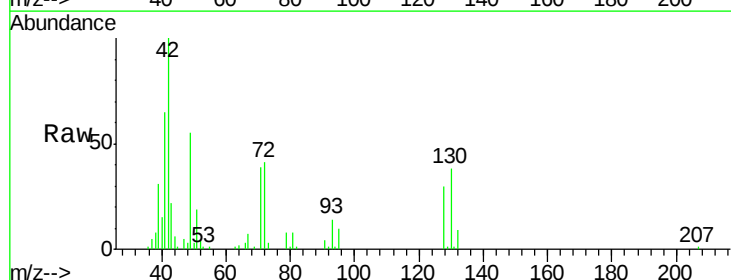
Manual Integrations
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#28
 Bromochloromethane
 Concen: 19.039 ug/l
 RT: 7.17 min Scan# 1677
 Delta R.T. -0.00 min
 Lab File: VN060626.D
 Acq: 19 Mar 2020 11:02

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.4
130	69.3	55.0	82.4





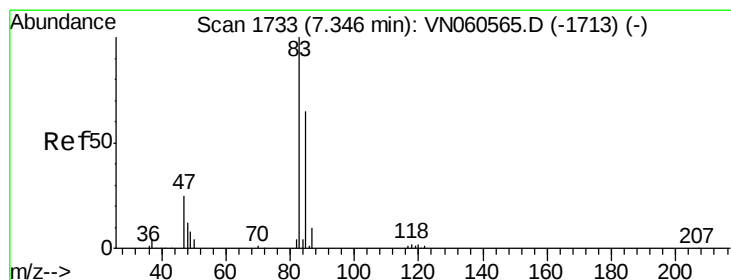
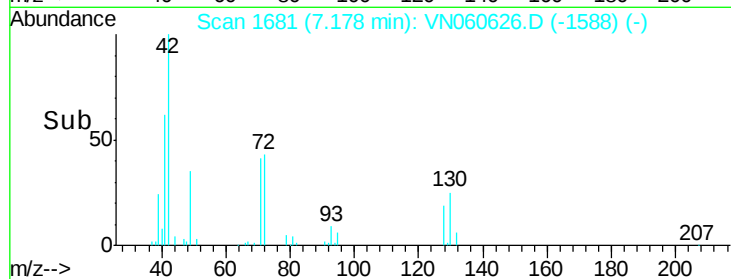
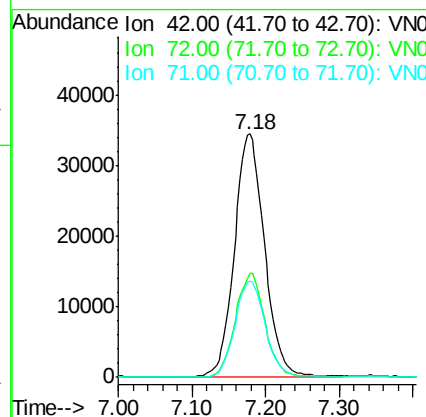
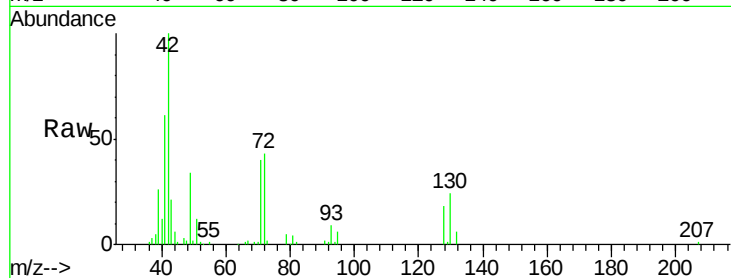
#29
Tetrahydrofuran
Concen: 84.348 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VN060626.D
Acq: 19 Mar 2020 11:02

Instrument :
MSVOA_N
ClientSampleId :
VN0319WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.8	33.2	49.8
71	39.5	31.1	46.7

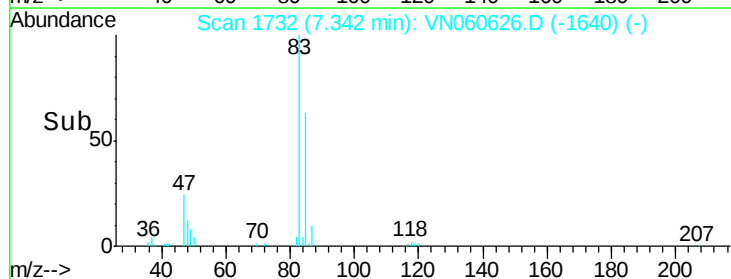
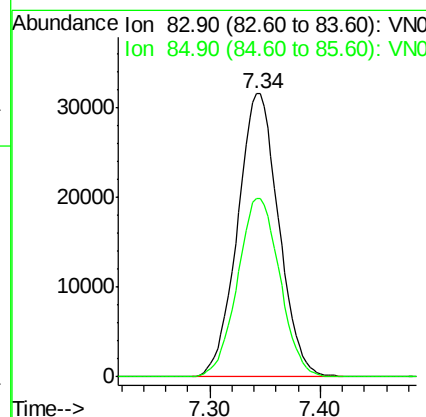
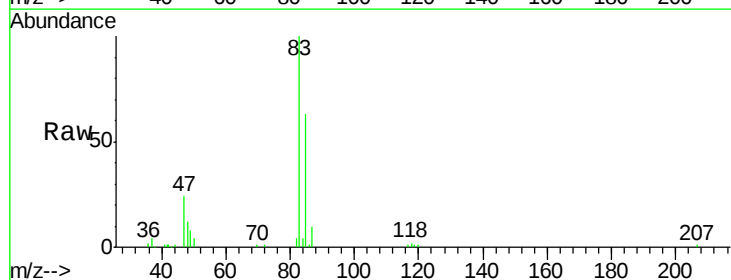
Manual Integrations
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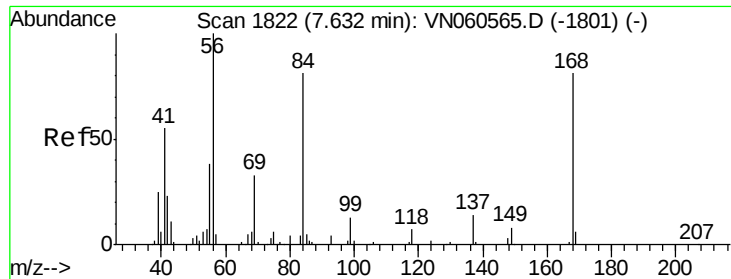
MMDadoda
3/20/2020 12:05:33 PM



#30
Chloroform
Concen: 18.495 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VN060626.D
Acq: 19 Mar 2020 11:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.2	51.8	77.8





#31

Cyclohexane

Concen: 18.382 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VN060626.D

Acq: 19 Mar 2020 11:02

Instrument :

MSVOA_N

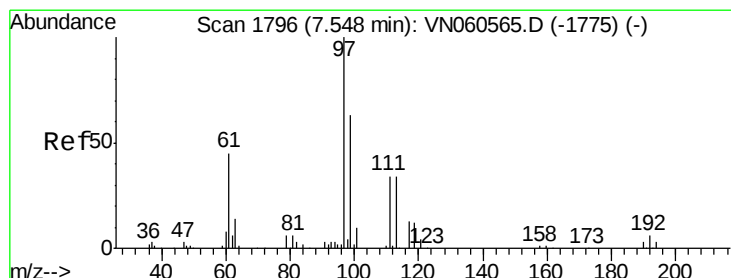
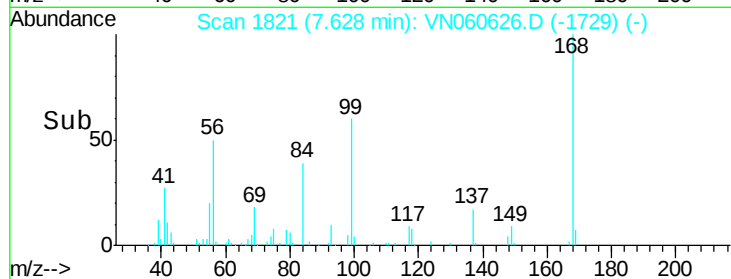
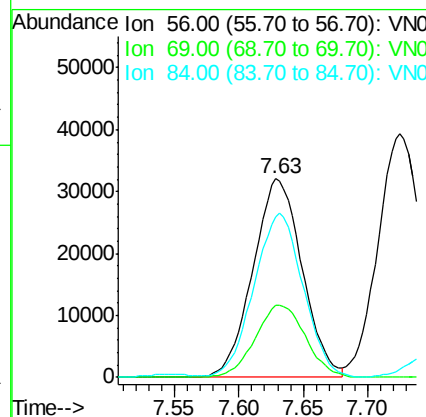
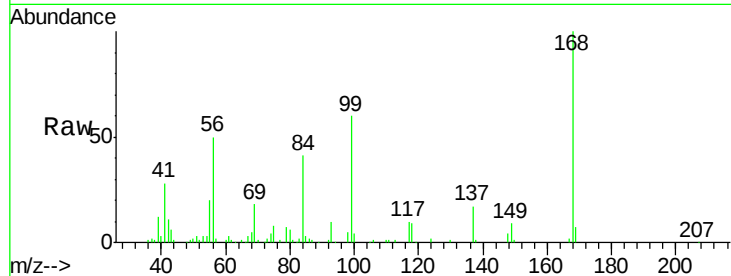
ClientSampled :

VN0319WBS01

Tot Ion:	56	Resp:	85249
Ion Ratio	Lower	Upper	
56	100		
69	36.1	26.6	40.0
84	80.1	64.3	96.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 18.591 ug/l

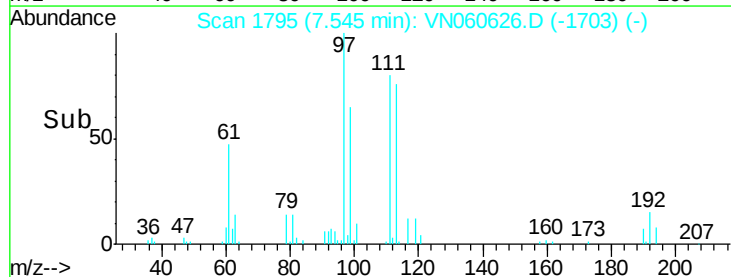
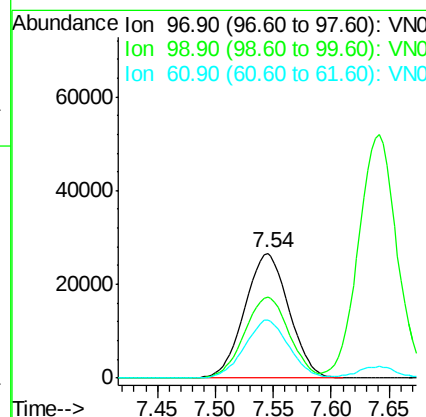
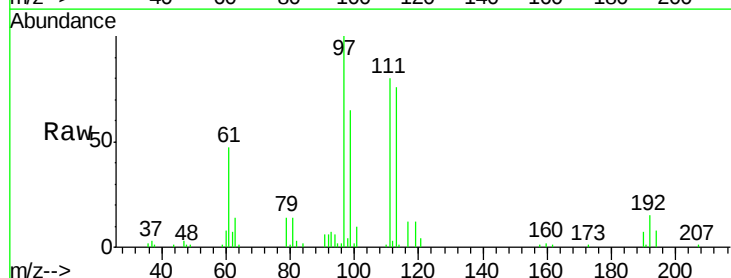
RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN060626.D

Acq: 19 Mar 2020 11:02

Tgt Ion:	97	Resp:	70678
Ion Ratio	Lower	Upper	
97	100		
99	65.3	50.6	75.8
61	46.3	36.2	54.4





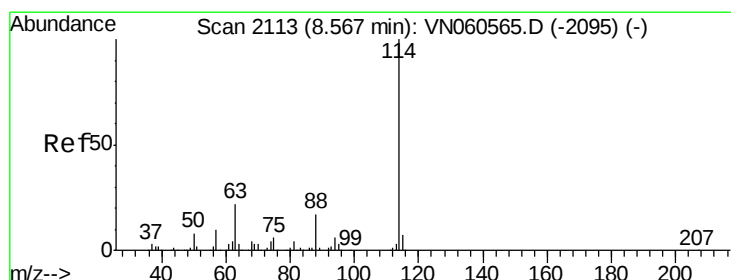
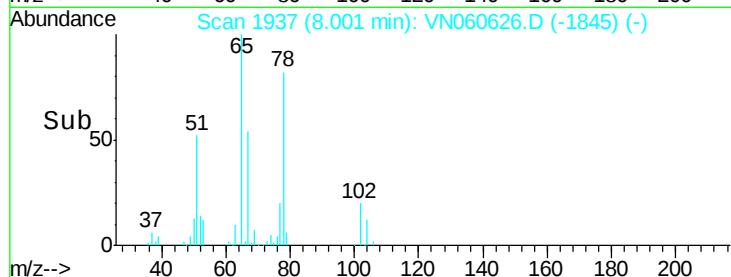
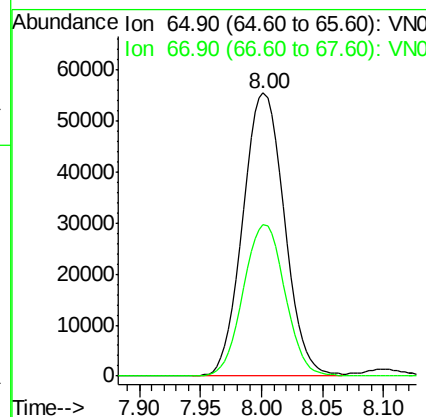
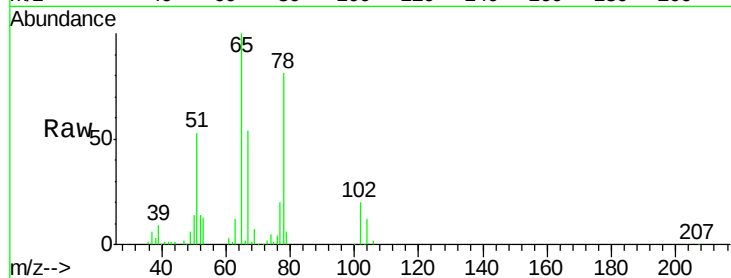
#33
 1,2-Dichloroethane-d4
 Concen: 45.555 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060626.D
 Acq: 19 Mar 2020 11:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0319WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.7	0.0	107.6	

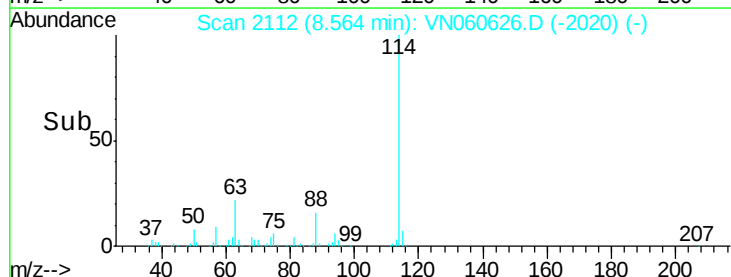
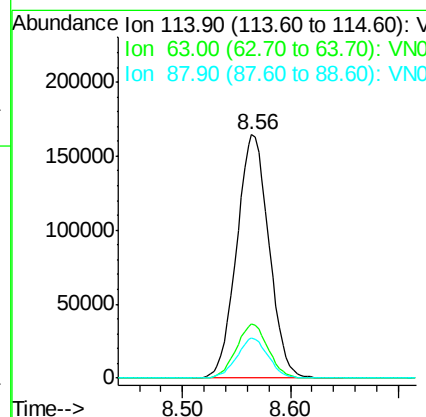
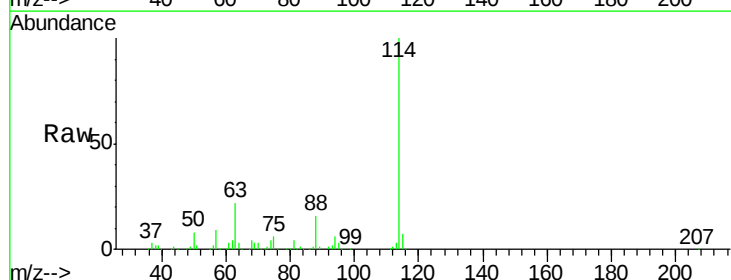
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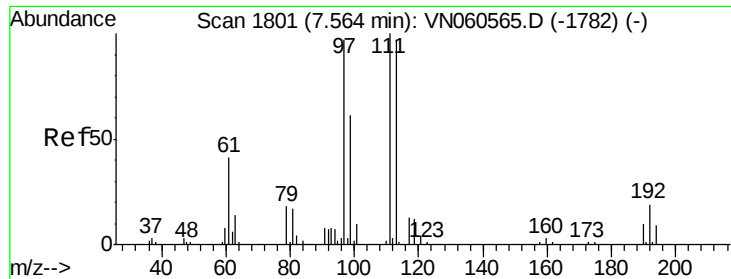
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060626.D
 Acq: 19 Mar 2020 11:02

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.2	0.0	43.8	
88	16.4	0.0	33.0	





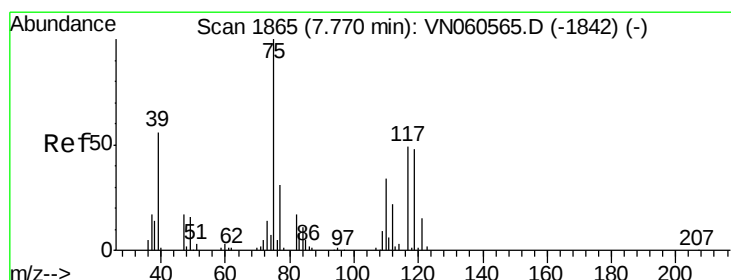
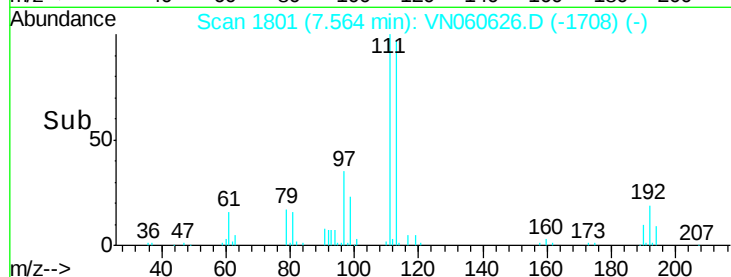
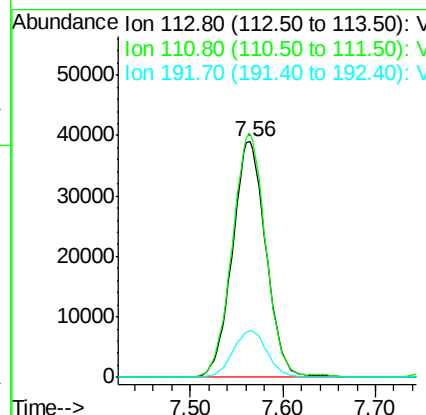
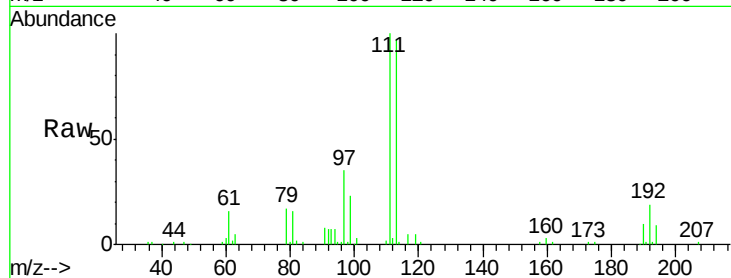
#35
 Dibromofluoromethane
 Concen: 47.207 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060626.D
 Acq: 19 Mar 2020 11:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0319WBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.9	124.3
192	20.0	15.8	23.8

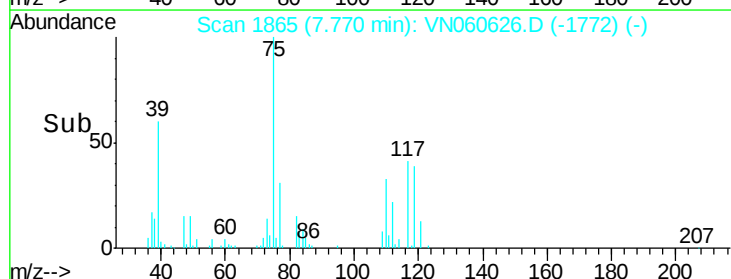
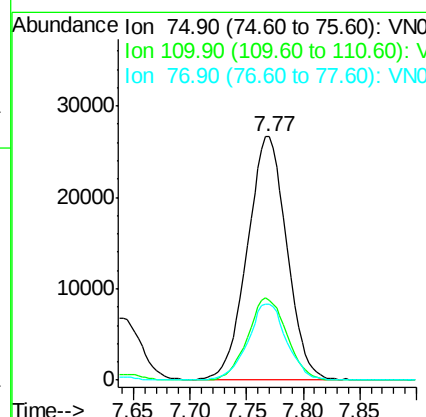
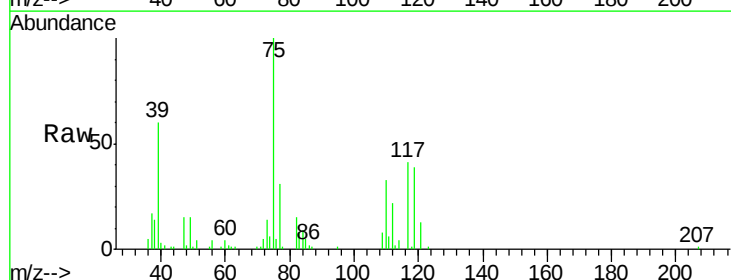
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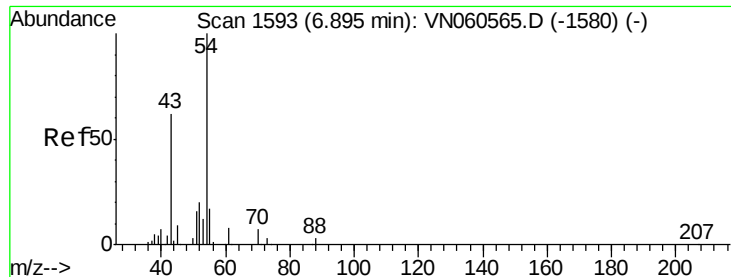
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#36
 1,1-Dichloropropene
 Concen: 19.541 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN060626.D
 Acq: 19 Mar 2020 11:02

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.3	16.9	50.6
77	30.5	24.6	36.8





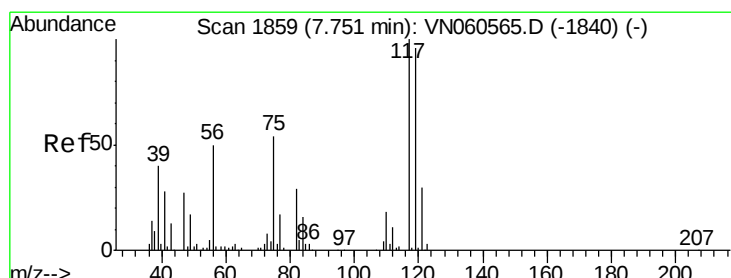
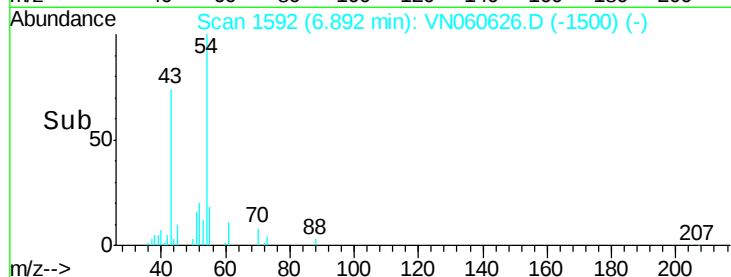
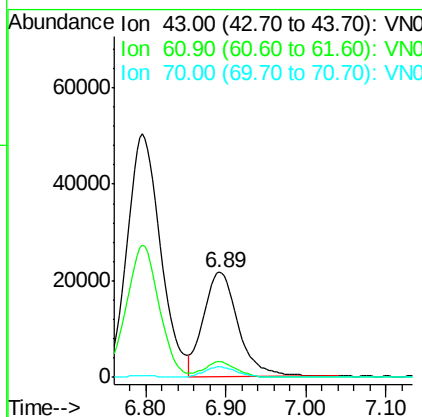
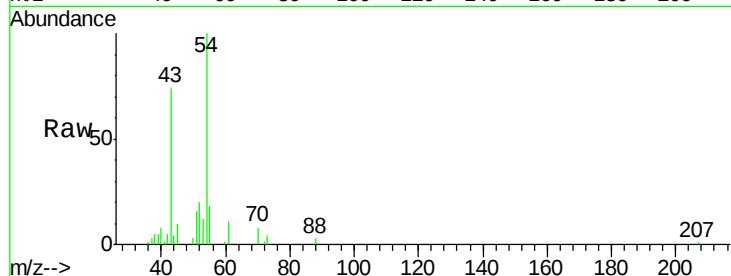
#37
Ethyl Acetate
Concen: 18.415 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060626.D
Acq: 19 Mar 2020 11:02

Instrument :
MSVOA_N
ClientSampleId :
VN0319WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.6	15.8
70	9.4	7.9	11.9

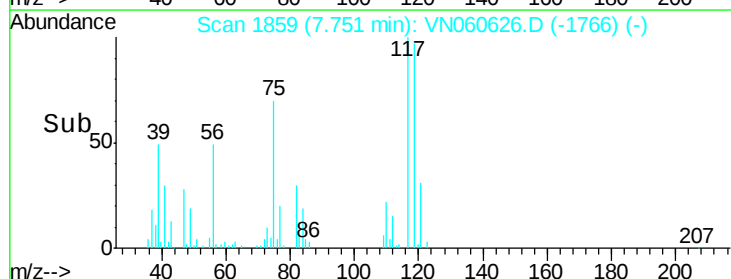
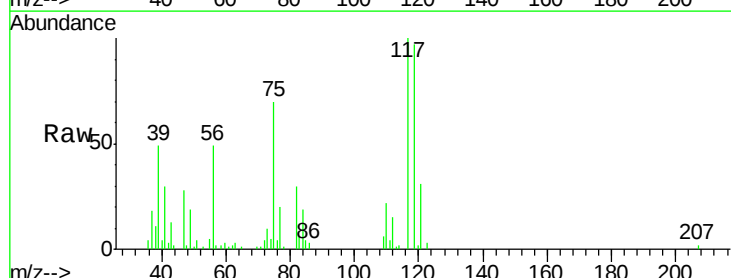
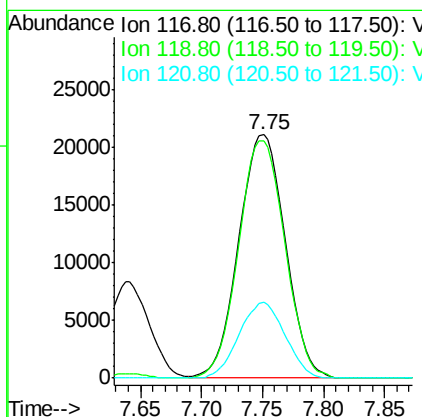
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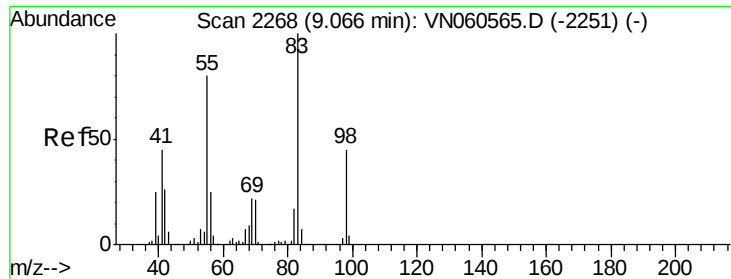
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#38
Carbon Tetrachloride
Concen: 18.734 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN060626.D
Acq: 19 Mar 2020 11:02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.5	76.2	114.2
121	31.2	23.7	35.5





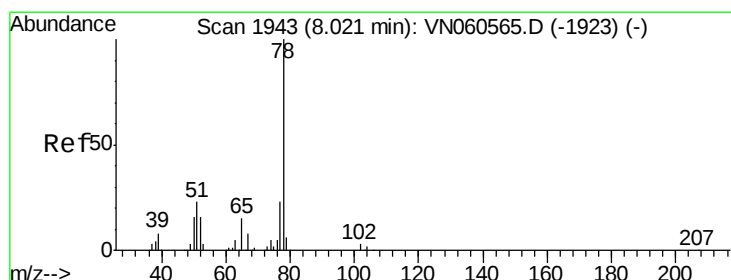
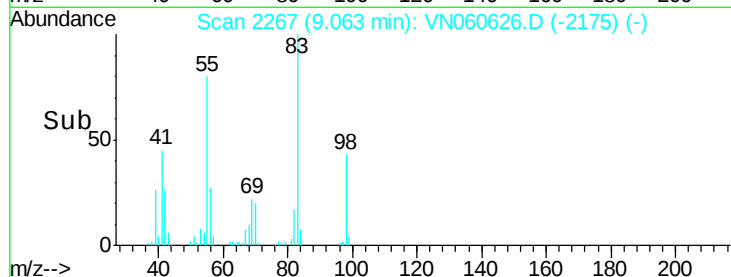
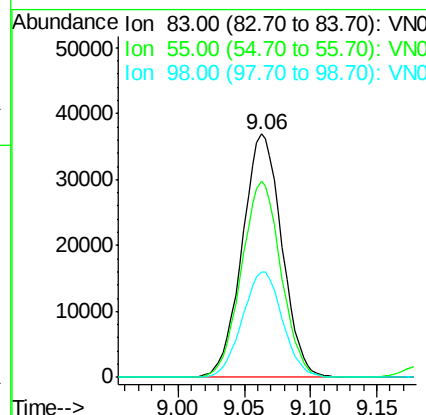
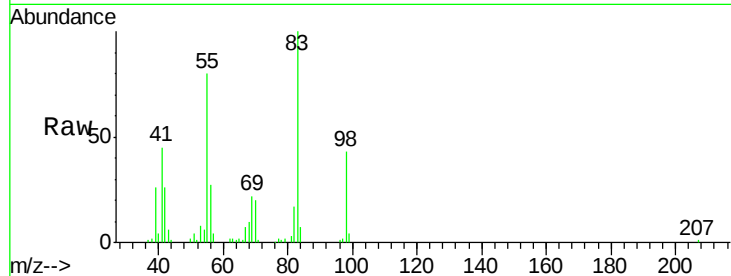
#39
Methvlcvclohexane
Concen: 19.438 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060626.D
Acq: 19 Mar 2020 11:02

Instrument :
MSVOA_N
ClientSampleId :
VN0319WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.4	63.6	95.4
98	43.1	36.0	54.0

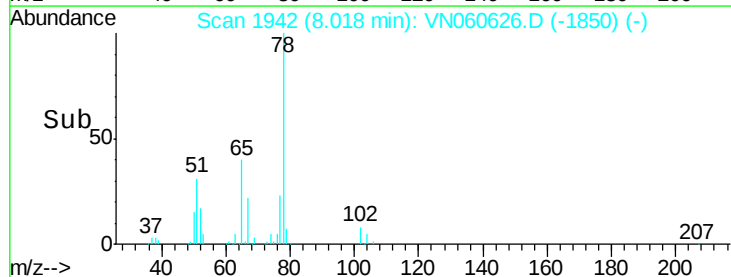
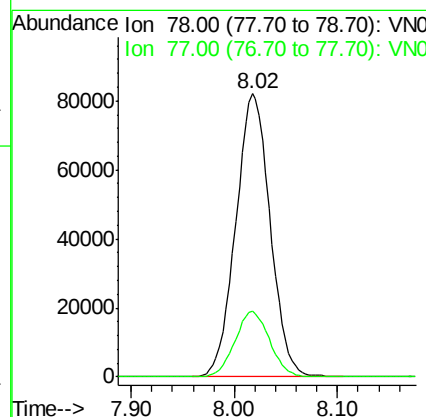
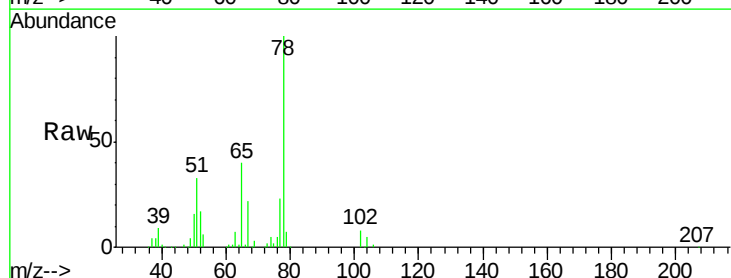
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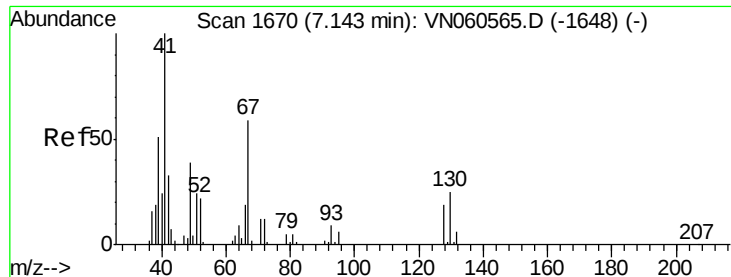
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#40
Benzene
Concen: 19.022 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060626.D
Acq: 19 Mar 2020 11:02

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.6	28.0





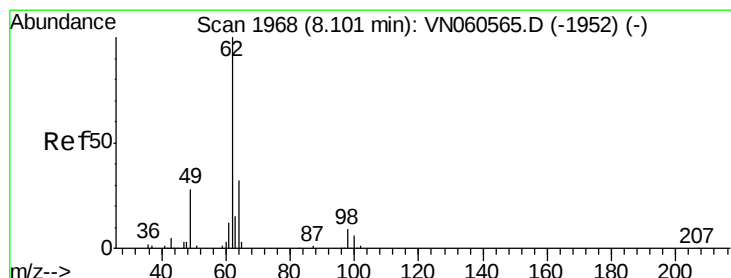
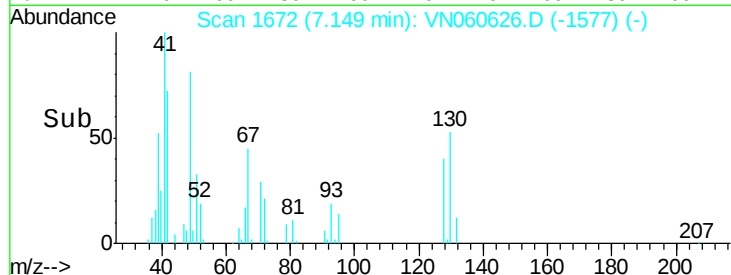
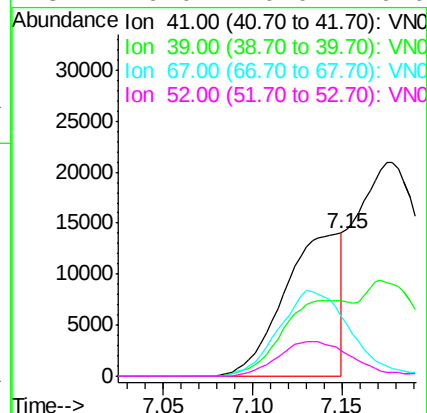
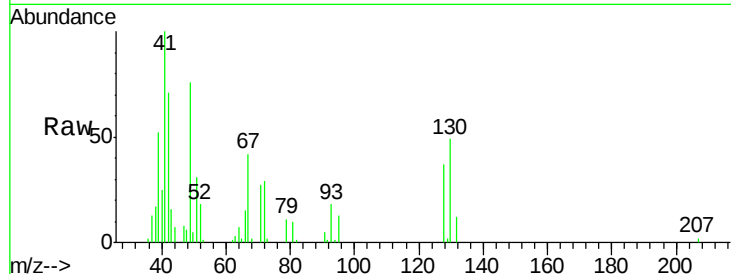
#41
Methacrylonitrile
Concen: 20.296 ug/l m
RT: 7.15 min Scan# 1672
Delta R.T. 0.01 min
Lab File: VN060626.D
Acq: 19 Mar 2020 11:02

Instrument :
MSVOA_N
ClientSampleId :
VN0319WBS01

Tot Ion	41	Resp:	31056
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

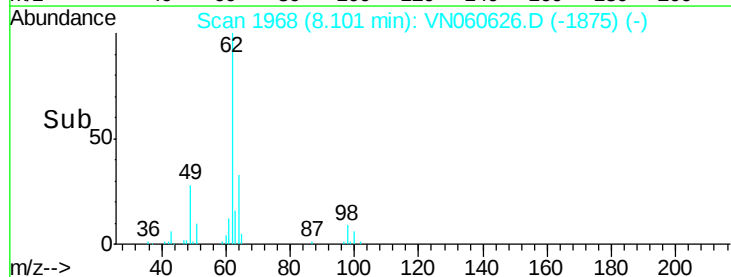
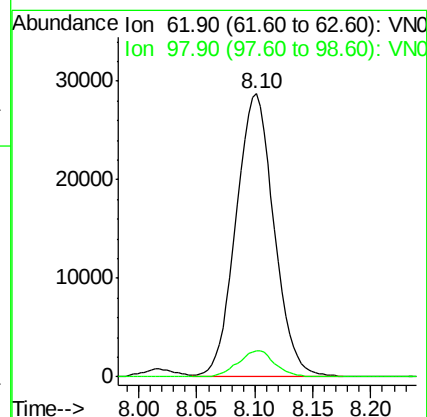
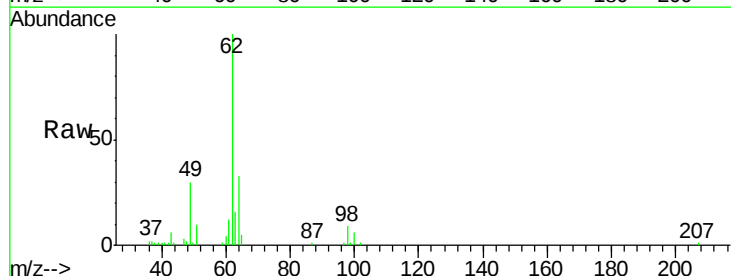
Manual Integrations
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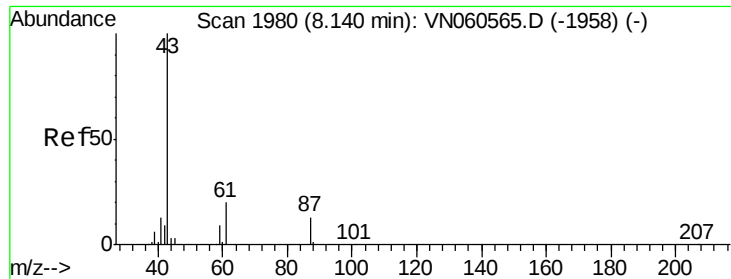
MMDadoda
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#42
1,2-Dichloroethane
Concen: 19.119 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN060626.D
Acq: 19 Mar 2020 11:02

Tgt Ion	62	Resp:	65453
Ion Ratio	Lower	Upper	
62	100		
98	8.9	0.0	17.8





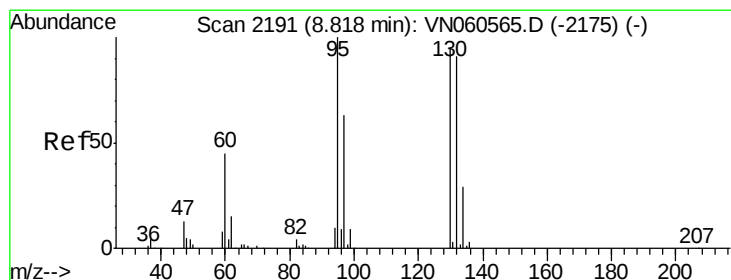
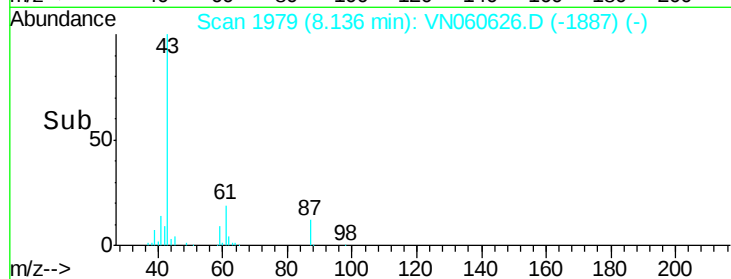
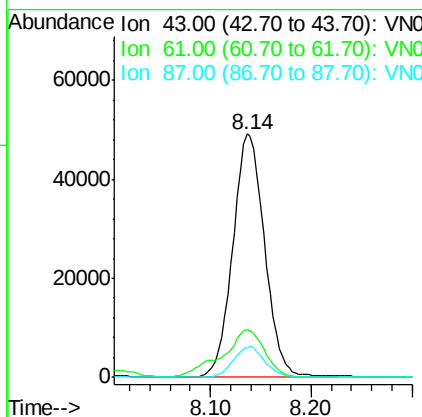
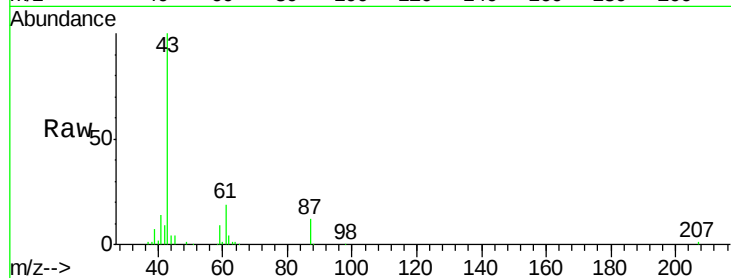
#43
Isopropyl Acetate
Concen: 18.220 ug/l
RT: 8.14 min Scan# 1979
Delta R.T. -0.00 min
Lab File: VN060626.D
Acq: 19 Mar 2020 11:02

Instrument :
MSVOA_N
ClientSampled :
VN0319WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.9	20.7	31.1
87	12.3	9.8	14.8

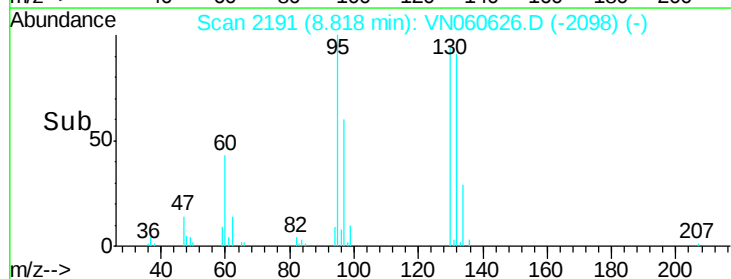
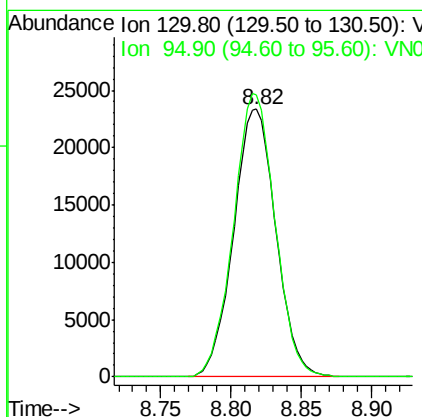
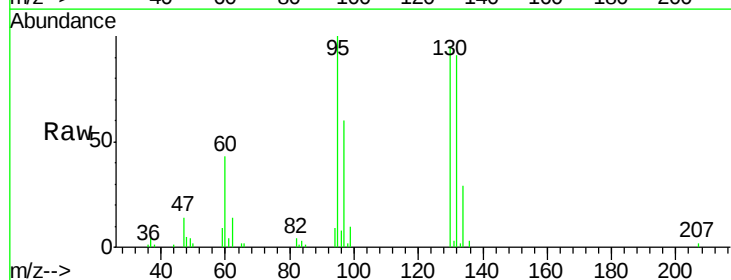
Manual Integrations
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#44
Trichloroethene
Concen: 19.440 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. -0.00 min
Lab File: VN060626.D
Acq: 19 Mar 2020 11:02

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.3	0.0	211.2





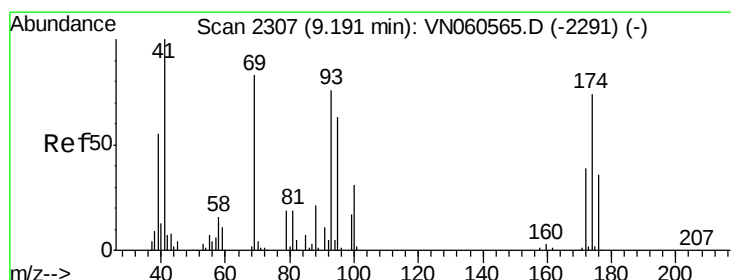
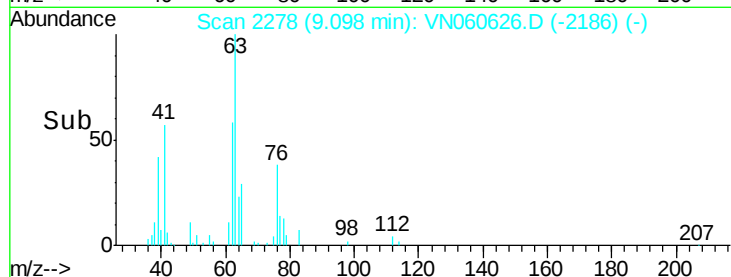
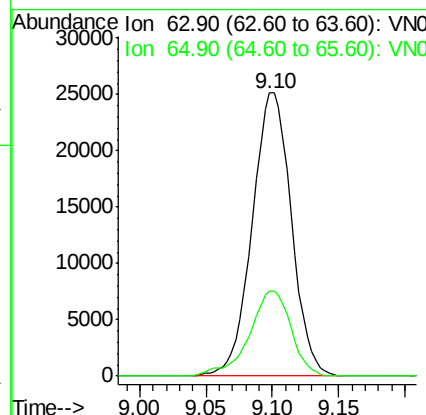
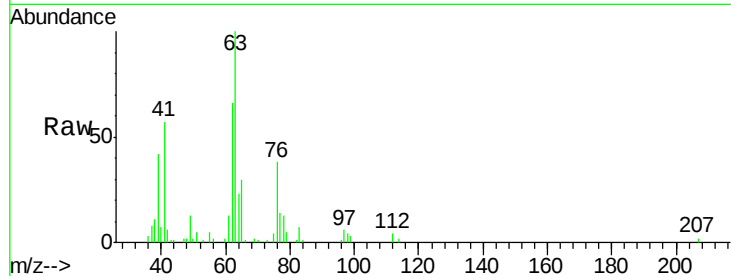
#45
 1,2-Dichloropropane
 Concen: 19.630 ug/l
 RT: 9.10 min Scan# 2278
 Delta R.T. -0.00 min
 Lab File: VN060626.D
 Acq: 19 Mar 2020 11:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0319WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.1	25.4	38.0

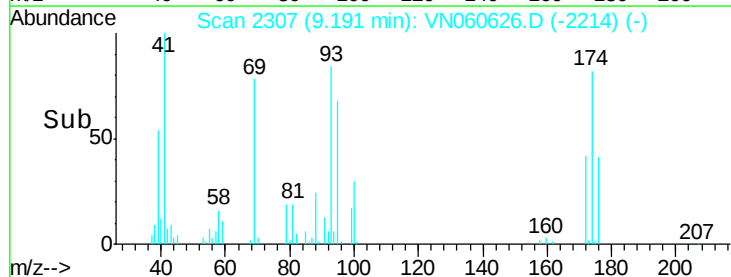
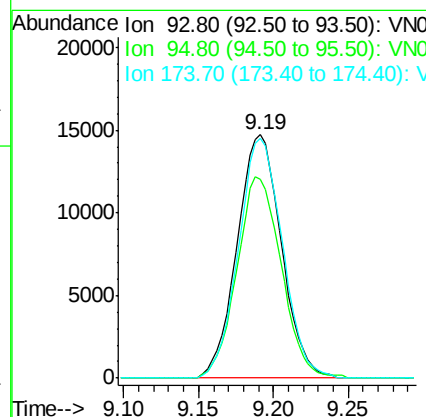
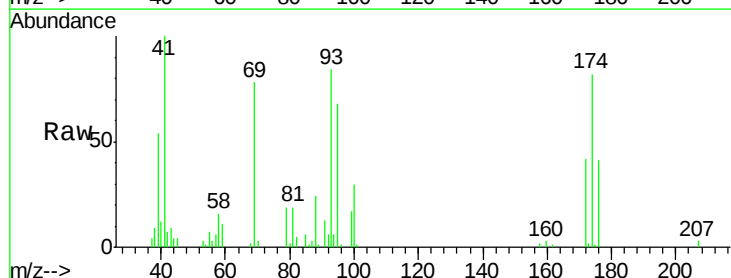
Manual Integrations
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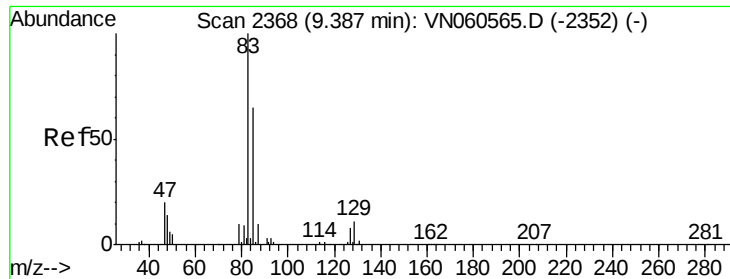
MMDadoda
 3/20/2020 12:05:33 PM



#46
 Dibromomethane
 Concen: 18.987 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN060626.D
 Acq: 19 Mar 2020 11:02

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.9	66.2	99.4
174	97.5	77.9	116.9





#47

Bromodichloromethane

Concen: 18.876 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN060626.D

Acq: 19 Mar 2020 11:02

Instrument :

MSVOA_N

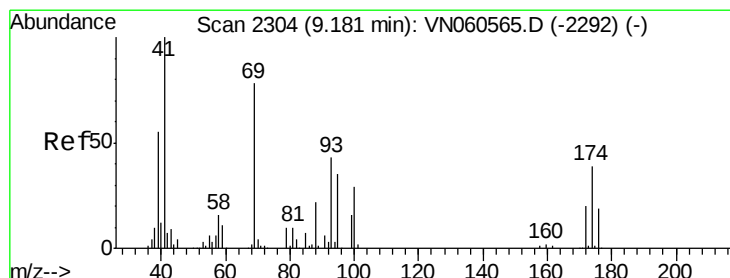
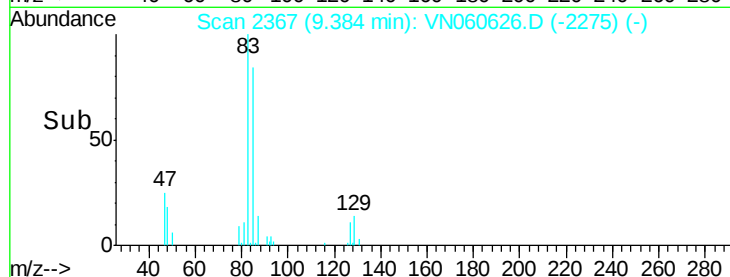
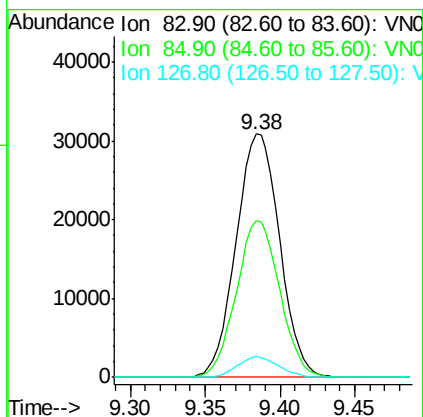
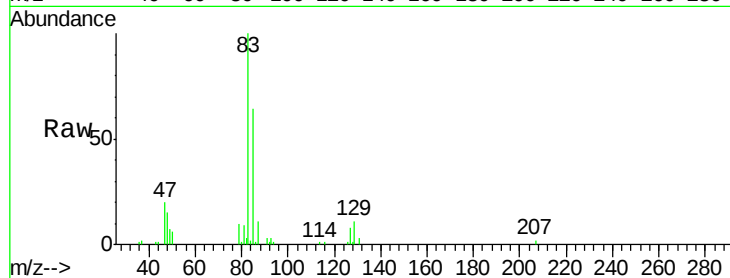
ClientSampleId :

VN0319WBS01

Tot Ion:	83	Resp:	62680
Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.8	77.6
127	8.5	6.5	9.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 17.819 ug/l

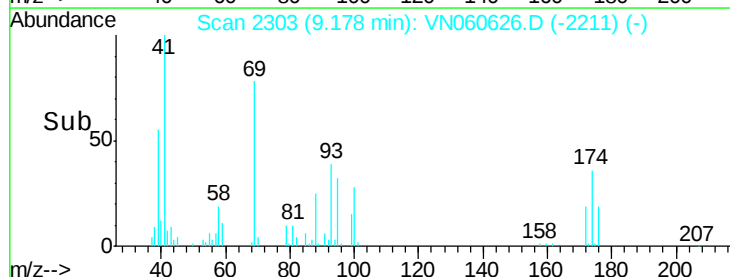
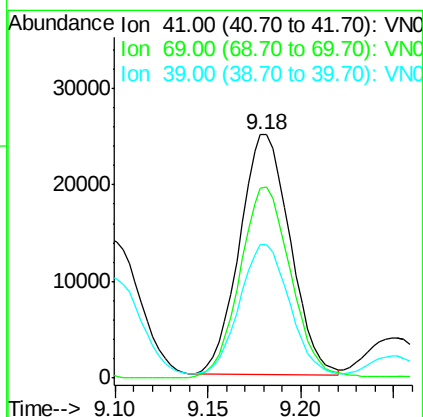
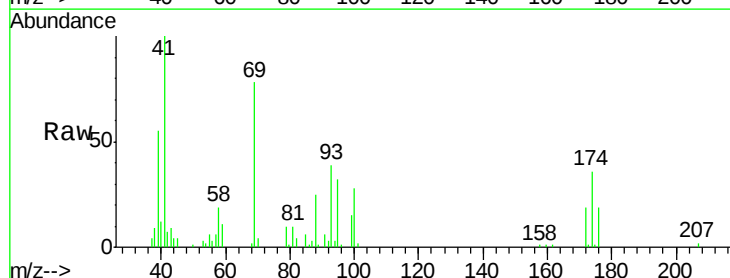
RT: 9.18 min Scan# 2303

Delta R.T. -0.00 min

Lab File: VN060626.D

Acq: 19 Mar 2020 11:02

Tgt Ion:	41	Resp:	46913
Ion	Ratio	Lower	Upper
41	100		
69	80.8	65.4	98.0
39	53.6	44.0	66.0





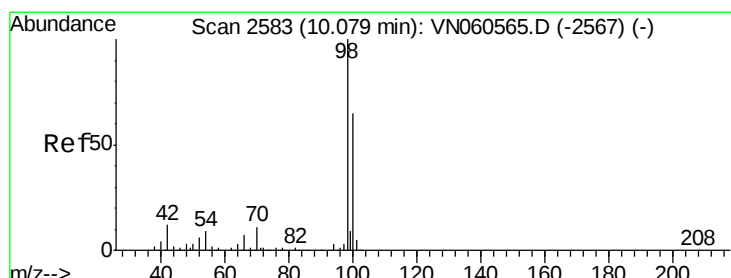
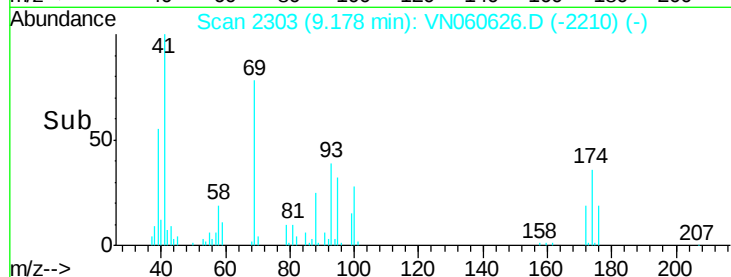
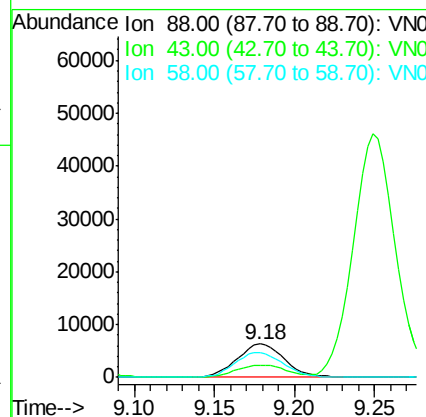
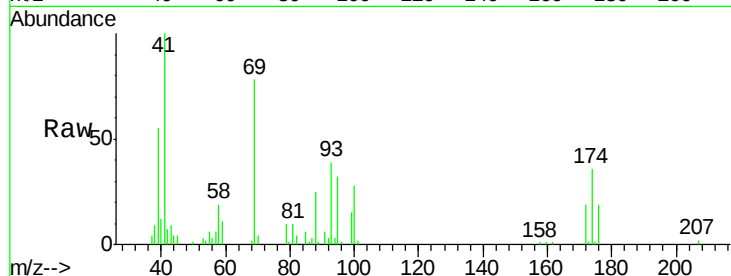
#49
1,4-Dioxane
Concen: 407.186 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VN060626.D
Acq: 19 Mar 2020 11:02

Instrument :
MSVOA_N
ClientSampleId :
VN0319WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.5	30.8	46.2
58	75.4	59.8	89.8

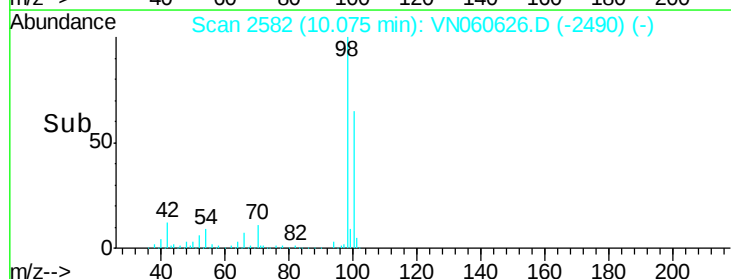
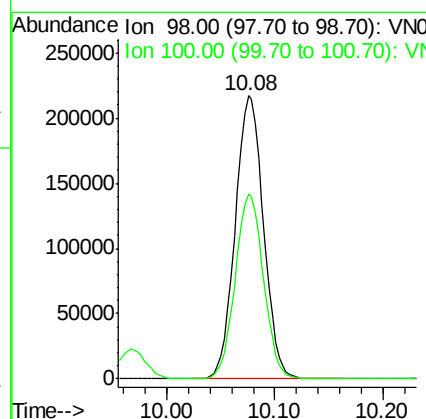
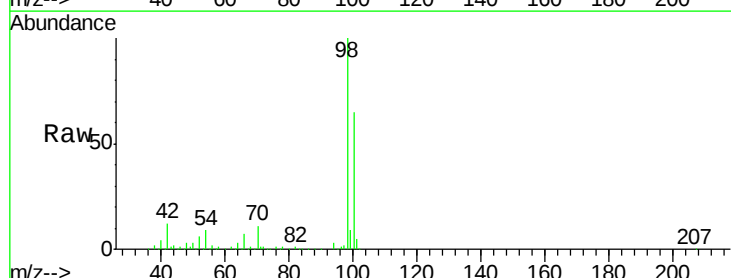
Manual Integrations
APPROVED

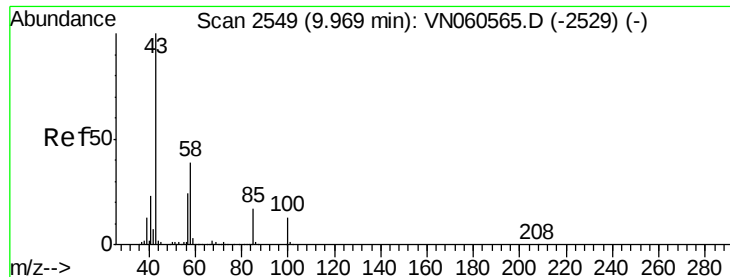
MMDadoda
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#50
Toluene-d8
Concen: 46.484 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060626.D
Acq: 19 Mar 2020 11:02

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.4	51.8	77.8





#51

4-Methyl-2-Pentanone

Concen: 89.965 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060626.D

Acq: 19 Mar 2020 11:02

Instrument :

MSVOA_N

ClientSampled :

VN0319WBS01

Tot Ion: 43 Resp: 302719

Ion Ratio Lower Upper

43 100

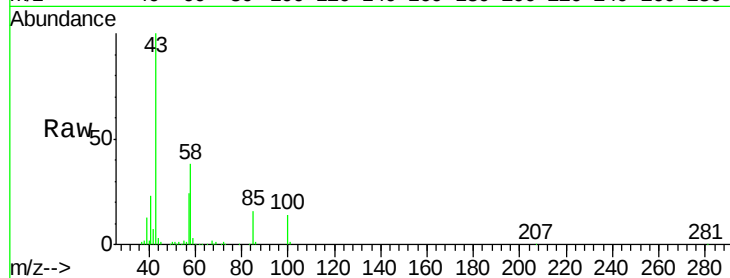
58 38.3 30.8 46.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN060565.D (-2529) (-)

Ion 58.00 (57.70 to 58.70): VN060565.D (-2529) (-)

9.97

150000

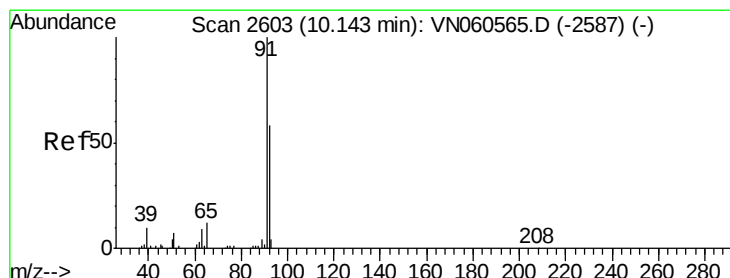
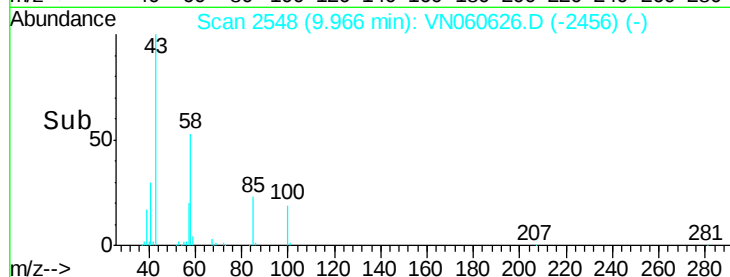
100000

50000

0

9.90 9.95 10.00

Time-->



#52

Toluene

Concen: 18.933 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. -0.00 min

Lab File: VN060626.D

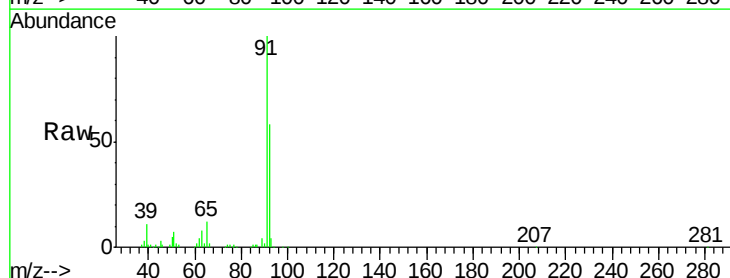
Acq: 19 Mar 2020 11:02

Tgt Ion: 92 Resp: 114540

Ion Ratio Lower Upper

92 100

91 174.7 137.6 206.4



Abundance Ion 92.00 (91.70 to 92.70): VN060565.D (-2587) (-)

Ion 91.00 (90.70 to 91.70): VN060565.D (-2587) (-)

10.14

120000

100000

80000

60000

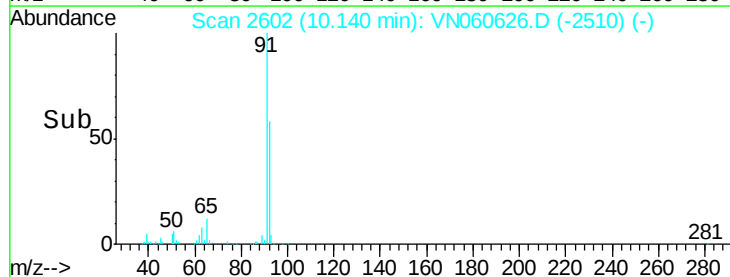
40000

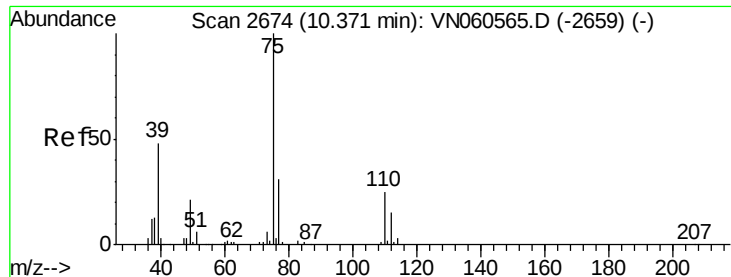
20000

0

10.05 10.10 10.15 10.20

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.223 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN060626.D

Acq: 19 Mar 2020 11:02

Instrument :

MSVOA_N

ClientSampleId :

VN0319WBS01

Tot Ion: 75 Resp: 73323

Ion Ratio Lower Upper

75 100

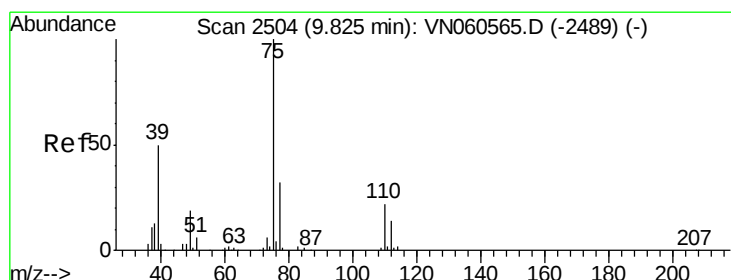
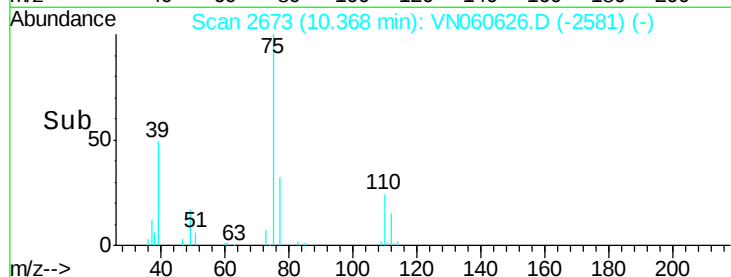
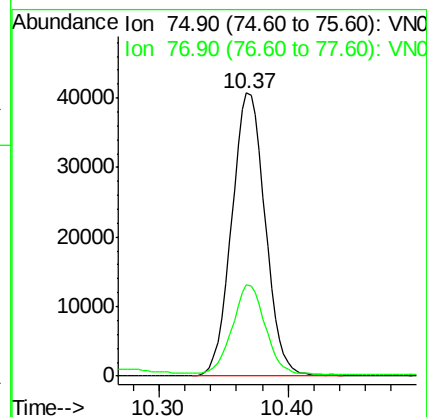
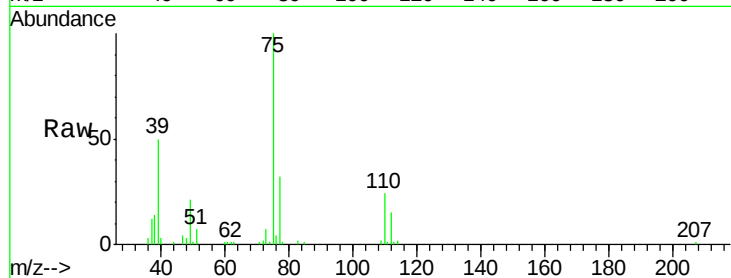
77 31.6 25.1 37.7

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 19.222 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. -0.00 min

Lab File: VN060626.D

Acq: 19 Mar 2020 11:02

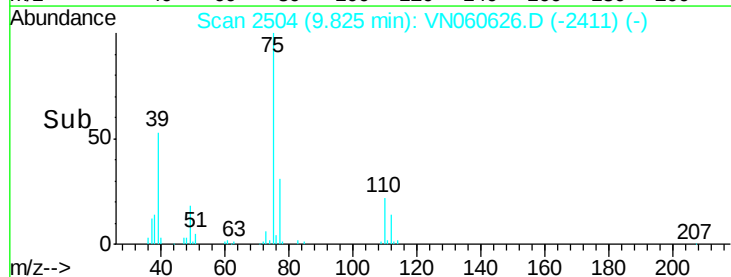
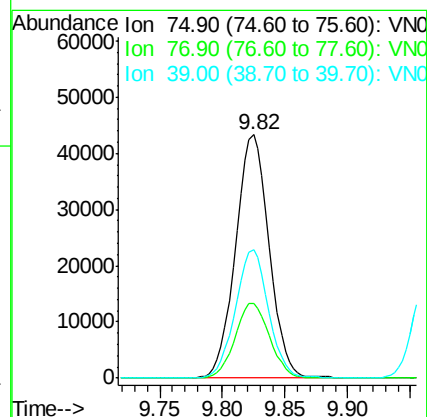
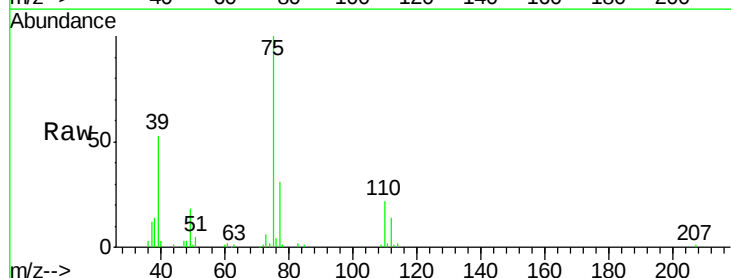
Tgt Ion: 75 Resp: 80432

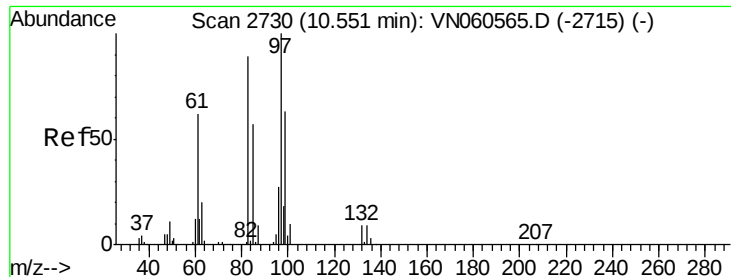
Ion Ratio Lower Upper

75 100

77 30.7 25.4 38.0

39 52.9 40.2 60.4





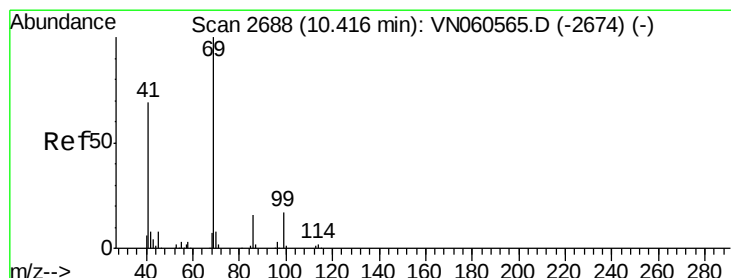
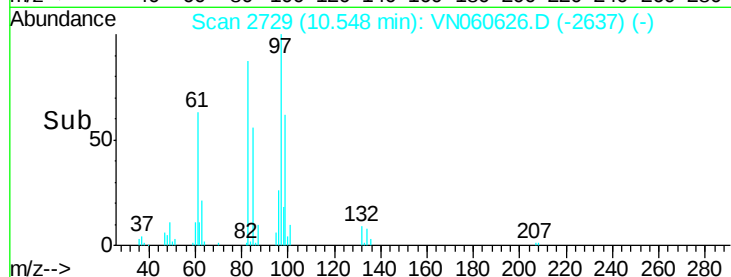
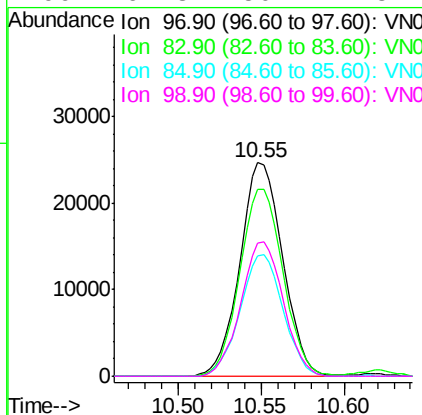
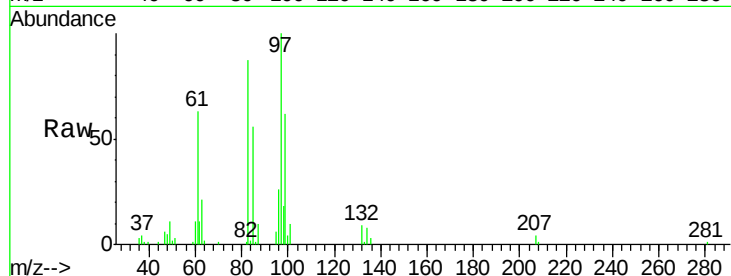
#55
 1,1,2-Trichloroethane
 Concen: 19.018 ug/l
 RT: 10.55 min Scan# 2729
 Delta R.T. -0.00 min
 Lab File: VN060626.D
 Acq: 19 Mar 2020 11:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0319WBS01

Tot Ion:	97	Resp:	44262
Ion	Ratio	Lower	Upper
97	100		
83	87.5	71.3	106.9
85	56.4	45.2	67.8
99	62.3	50.1	75.1

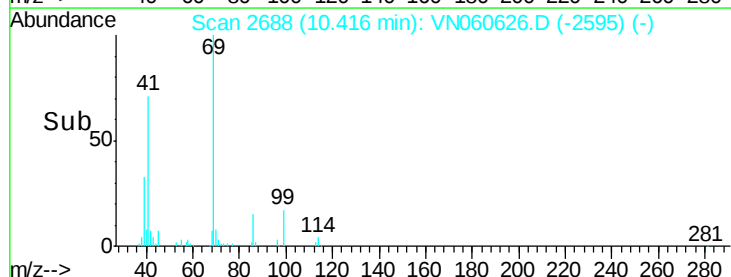
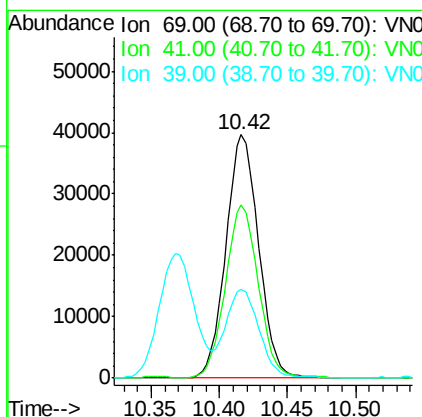
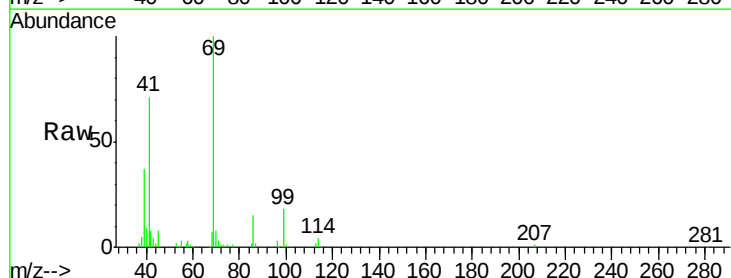
Manual Integrations
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#56
 Ethyl methacrylate
 Concen: 18.240 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. -0.00 min
 Lab File: VN060626.D
 Acq: 19 Mar 2020 11:02

Tgt Ion:	69	Resp:	66191
Ion	Ratio	Lower	Upper
69	100		
41	72.0	55.4	83.2
39	38.1	29.4	44.0





#57

1,3-Dichloropropane

Concen: 19.233 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. -0.00 min

Lab File: VN060626.D

Acq: 19 Mar 2020 11:02

Instrument :

MSVOA_N

ClientSampleId :

VN0319WBS01

Tot Ion: 76 Resp: 77677

Ion Ratio Lower Upper

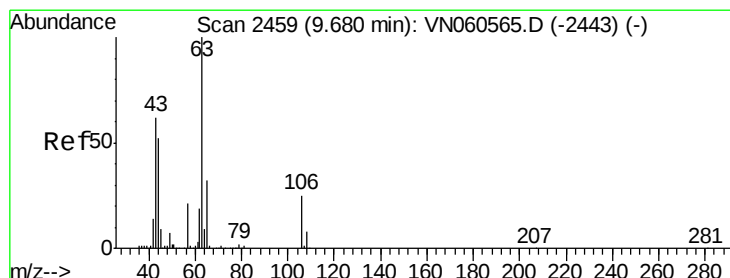
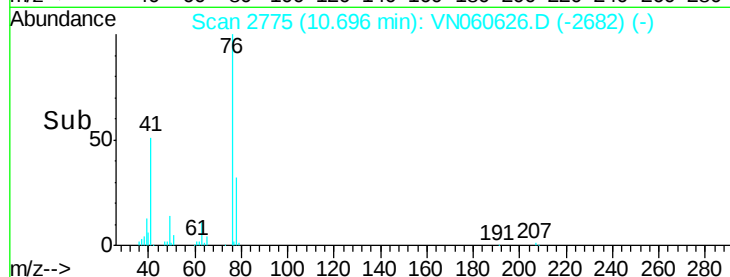
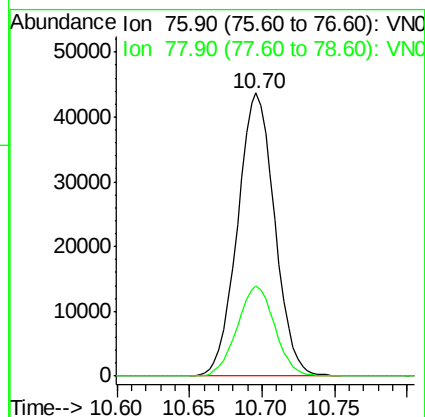
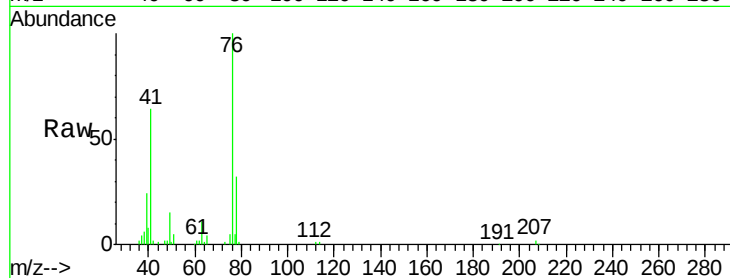
76 100

78 32.2 25.8 38.6

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 89.875 ug/l

RT: 9.68 min Scan# 2458

Delta R.T. -0.00 min

Lab File: VN060626.D

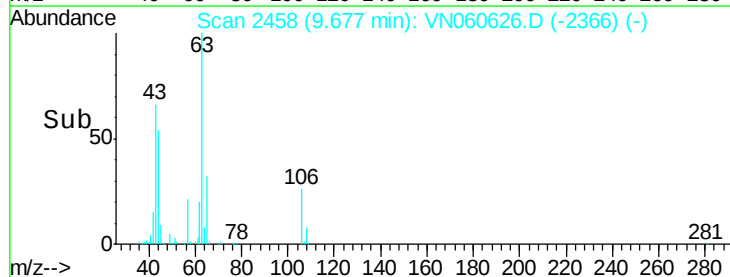
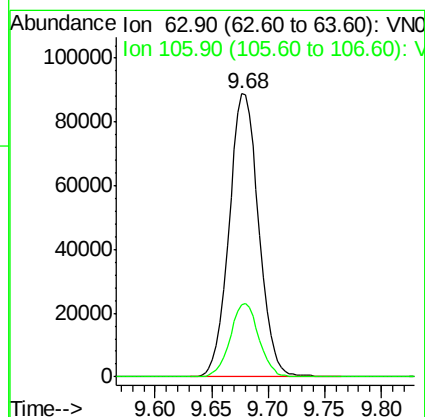
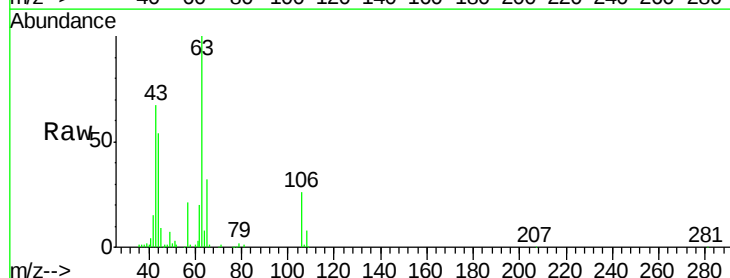
Acq: 19 Mar 2020 11:02

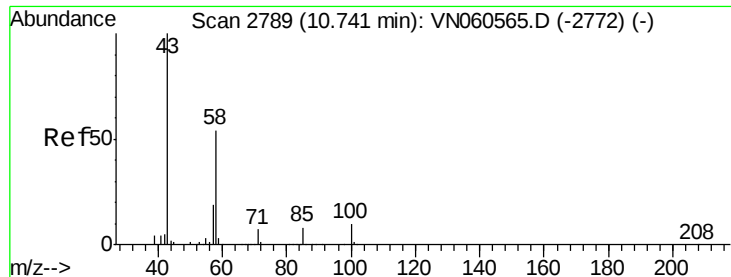
Tgt Ion: 63 Resp: 162100

Ion Ratio Lower Upper

63 100

106 25.2 20.0 30.0





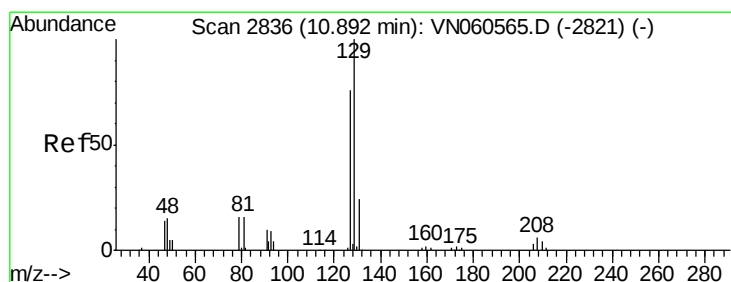
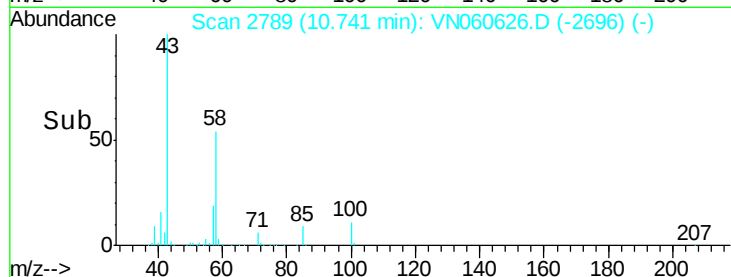
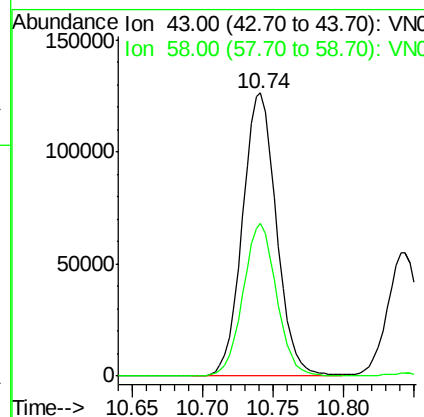
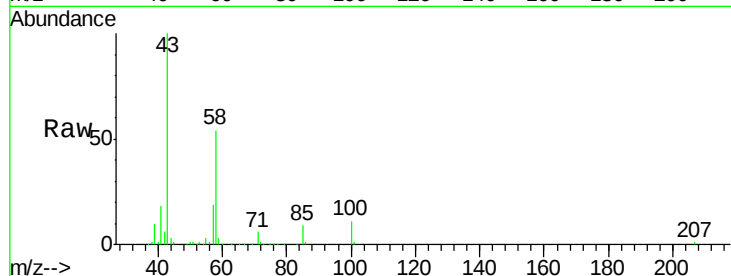
#59
2-Hexanone
Concen: 88.258 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN060626.D
Acq: 19 Mar 2020 11:02

Instrument :
MSVOA_N
ClientSampled :
VN0319WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.1	26.7	80.1

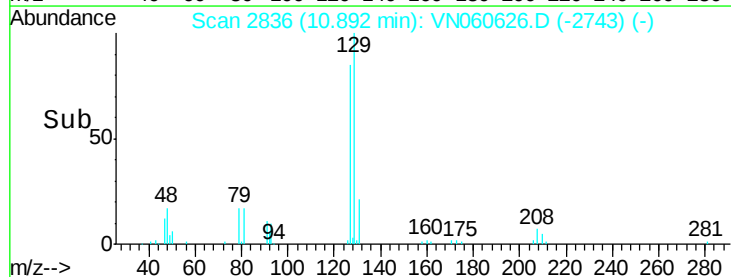
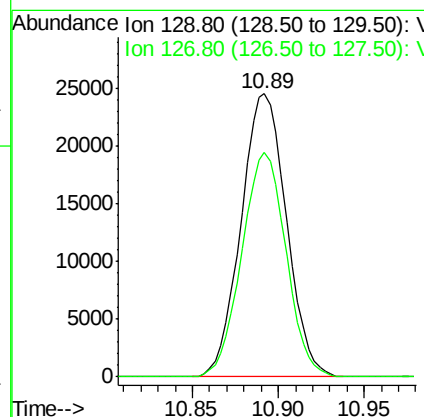
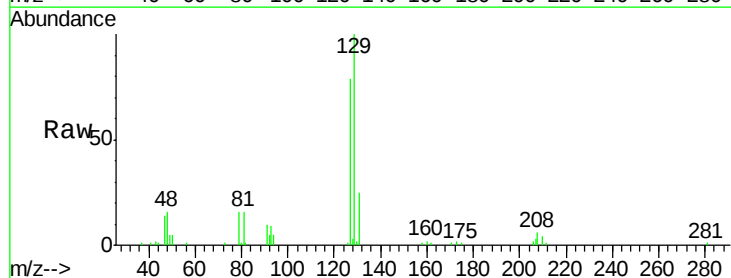
Manual Integrations
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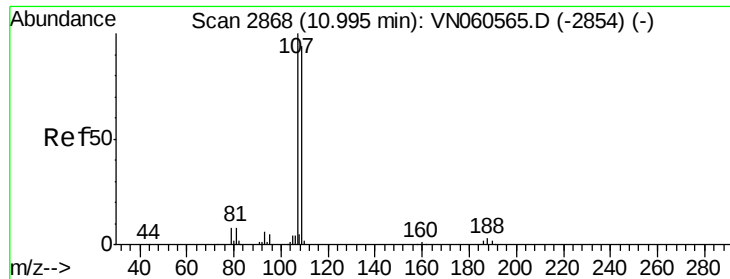
MMDadoda
3/20/2020 12:05:33 PM



#60
Dibromochloromethane
Concen: 18.655 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN060626.D
Acq: 19 Mar 2020 11:02

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.2	38.5	115.5





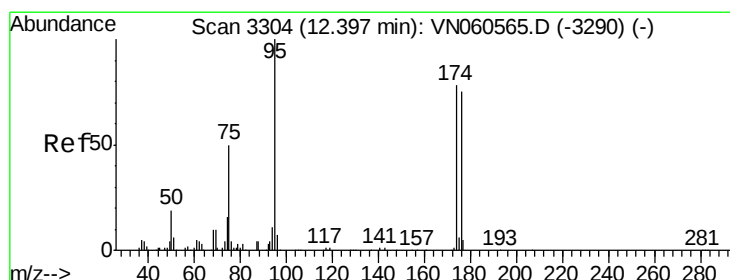
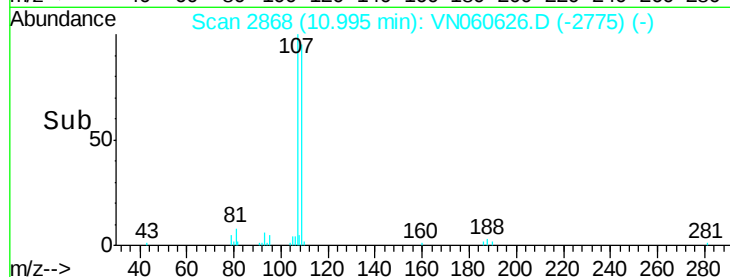
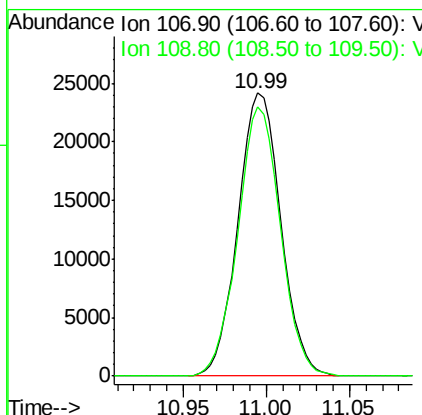
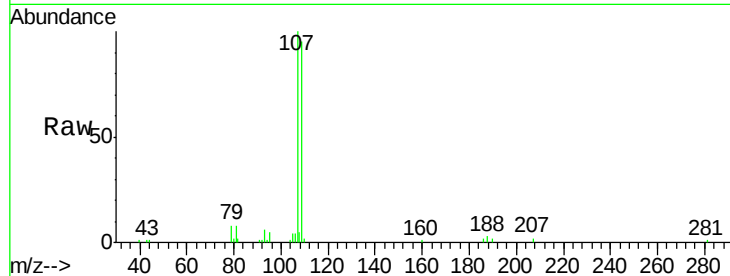
#61
1,2-Dibromoethane
Concen: 18.618 ug/l
RT: 10.99 min Scan# 2868
Delta R.T. -0.00 min
Lab File: VN060626.D
Acq: 19 Mar 2020 11:02

Instrument :
MSVOA_N
ClientSampleId :
VN0319WBS01

Tot Ion:107 Resp: 43573
Ion Ratio Lower Upper
107 100
109 94.5 75.4 113.2

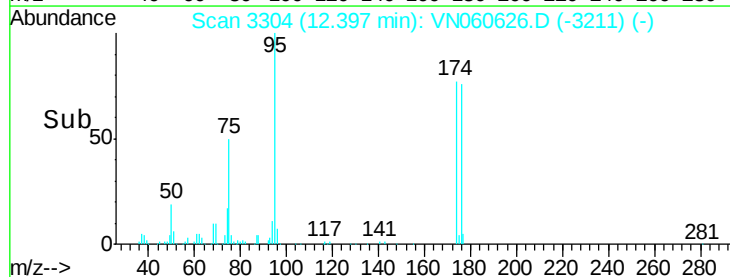
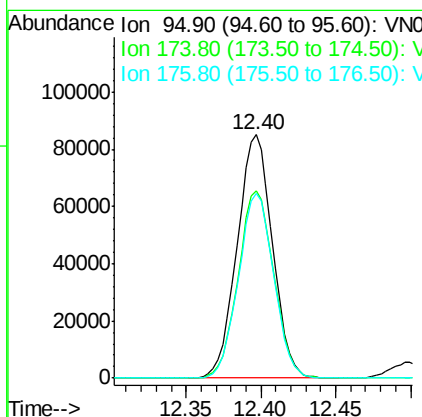
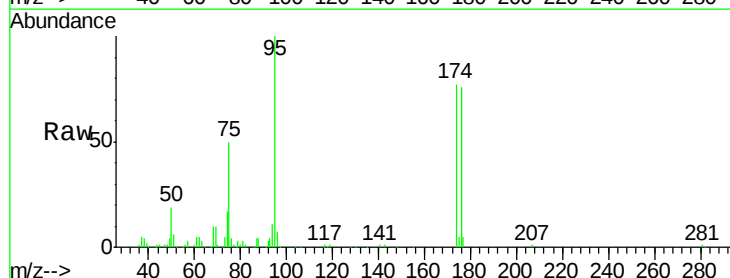
Manual Integrations
APPROVED

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3/20/2020 12:05:33 PM



#62
4-Bromofluorobenzene
Concen: 45.002 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN060626.D
Acq: 19 Mar 2020 11:02

Tgt Ion: 95 Resp: 139592
Ion Ratio Lower Upper
95 100
174 77.8 0.0 157.6
176 75.9 0.0 150.6





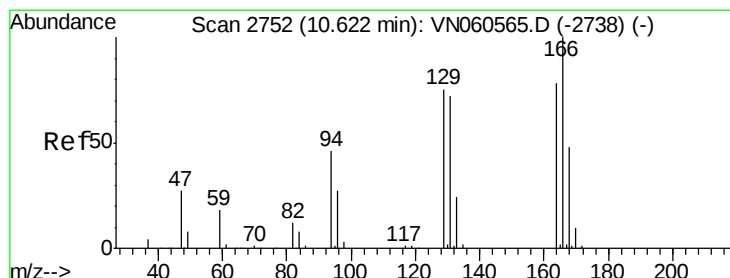
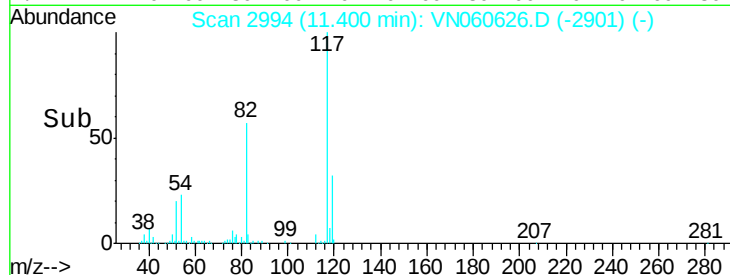
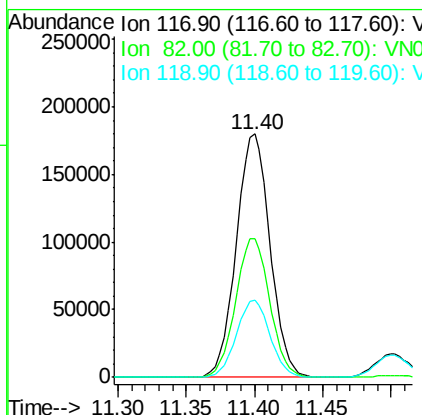
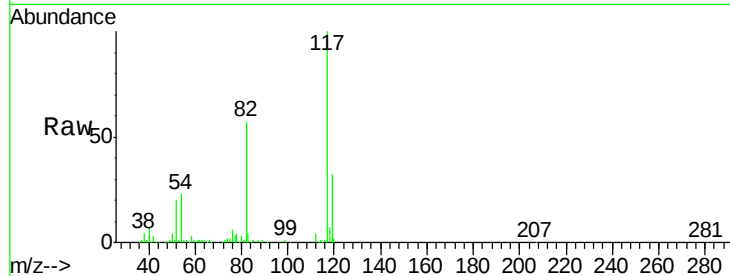
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060626.D
Acq: 19 Mar 2020 11:02

Instrument :
MSVOA_N
ClientSampleId :
VN0319WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.9	46.7	70.1
119	31.7	25.5	38.3

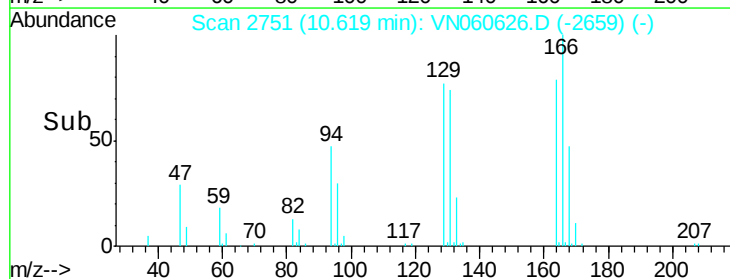
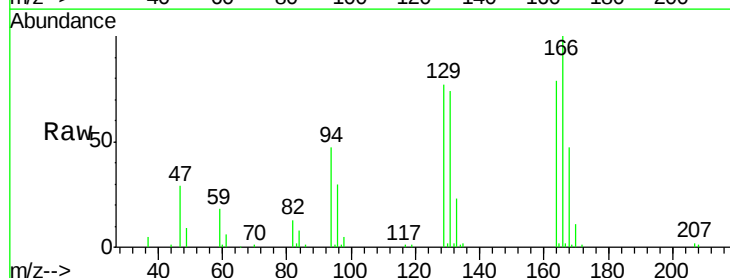
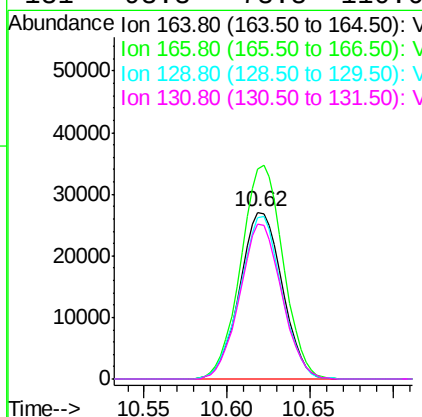
Manual Integrations
APPROVED

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3/20/2020 12:05:33 PM



#64
Tetrachloroethene
Concen: 19.875 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060626.D
Acq: 19 Mar 2020 11:02

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.8	102.7	154.1
129	97.0	77.2	115.8
131	93.3	73.8	110.6





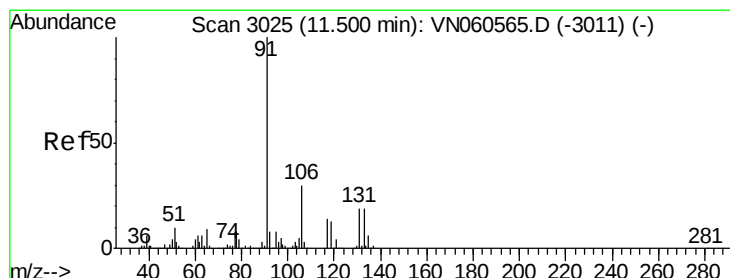
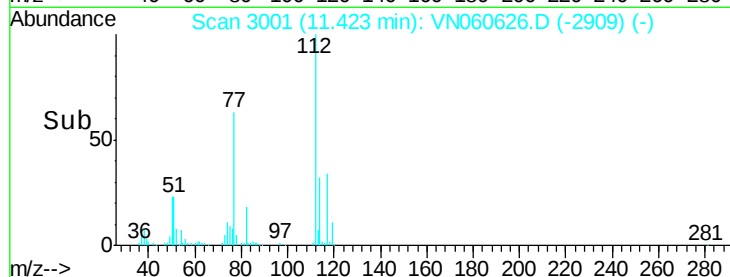
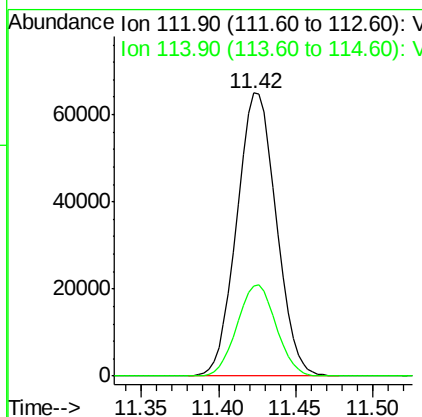
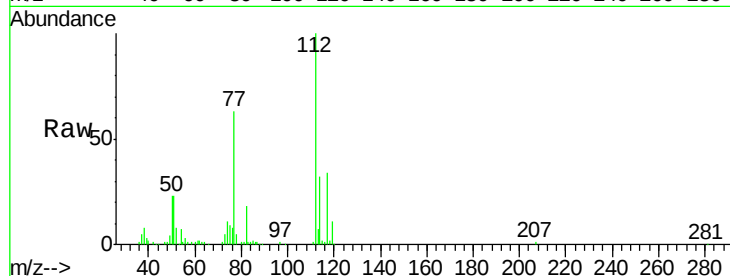
#65
Chlorobenzene
Concen: 18.839 ug/l
RT: 11.42 min Scan# 3001
Delta R.T. -0.00 min
Lab File: VN060626.D
Acq: 19 Mar 2020 11:02

Instrument :
MSVOA_N
ClientSampled :
VN0319WBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.8	38.6

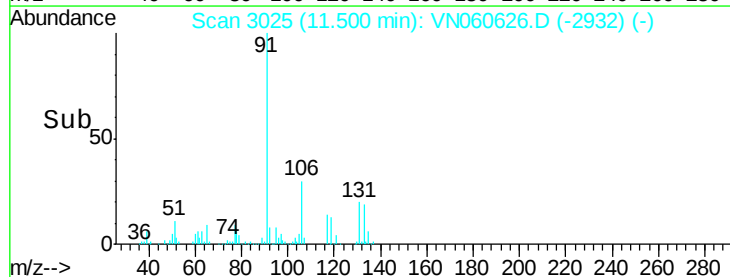
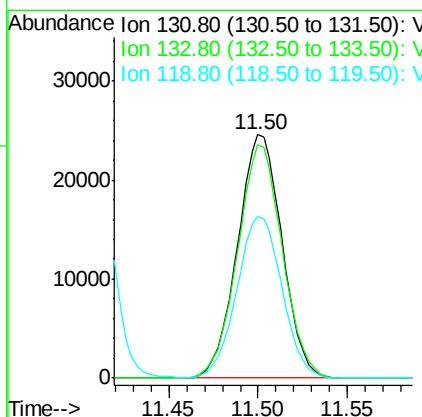
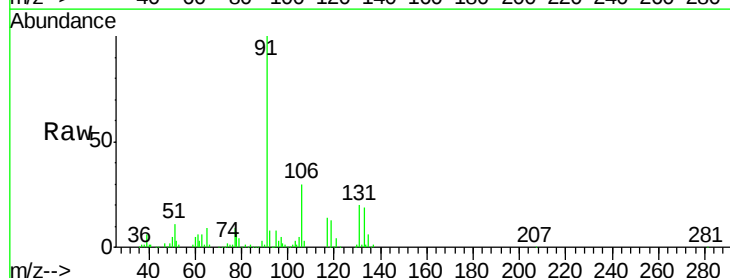
Manual Integrations
APPROVED

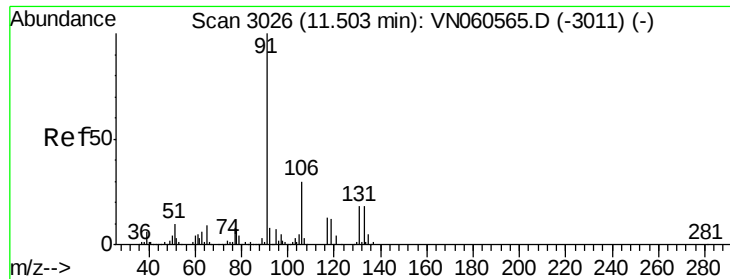
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.268 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060626.D
Acq: 19 Mar 2020 11:02

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.6	48.9	146.8
119	67.2	33.9	101.7





#67

Ethyl Benzene

Concen: 19.358 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060626.D

Acq: 19 Mar 2020 11:02

Instrument :

MSVOA_N

ClientSampleId :

VN0319WBS01

Tot Ion: 91 Resp: 220622

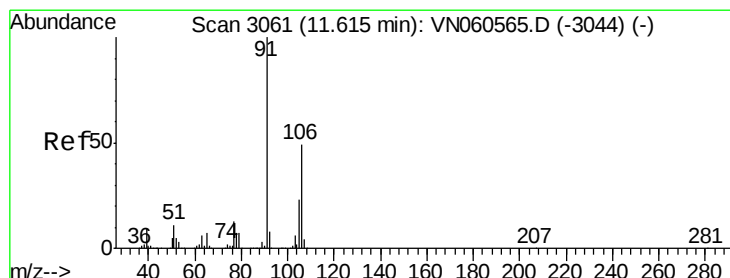
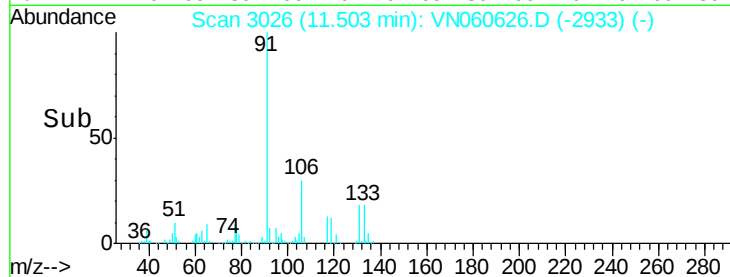
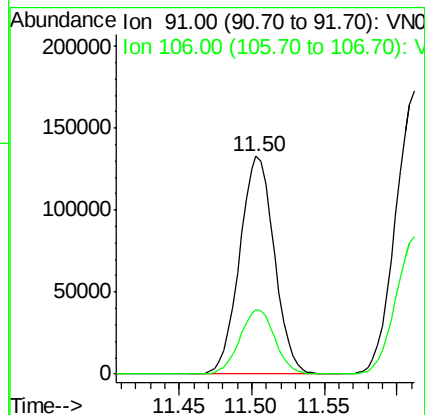
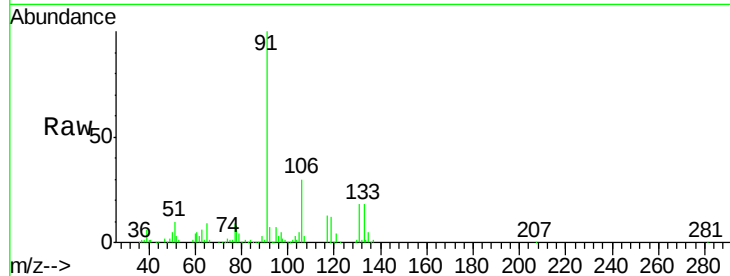
Ion Ratio Lower Upper

91 100

106 29.7 24.2 36.2

Manual Integrations
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#68

m/p-Xylenes

Concen: 38.373 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. -0.00 min

Lab File: VN060626.D

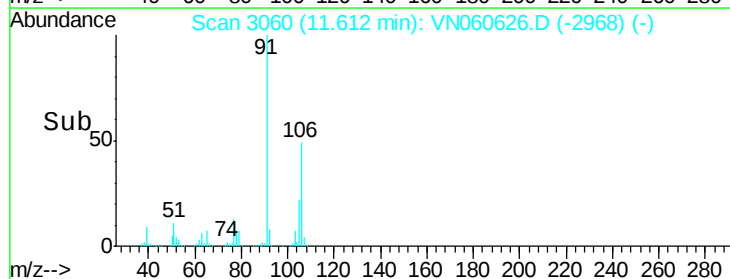
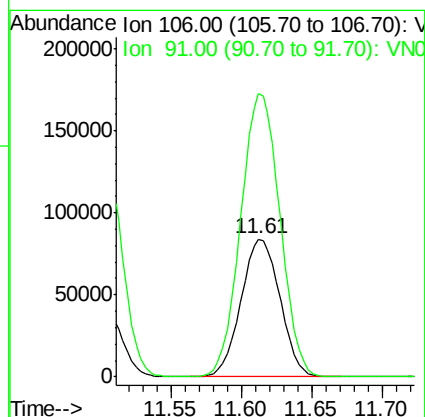
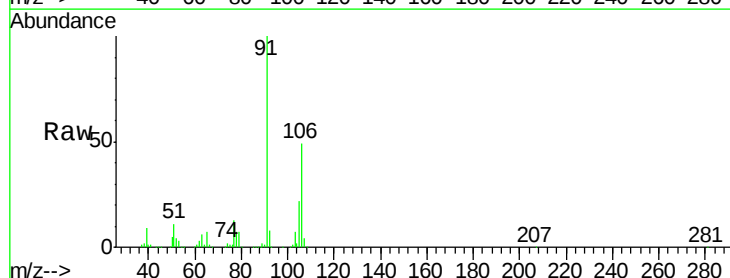
Acq: 19 Mar 2020 11:02

Tgt Ion: 106 Resp: 162513

Ion Ratio Lower Upper

106 100

91 207.4 165.0 247.4





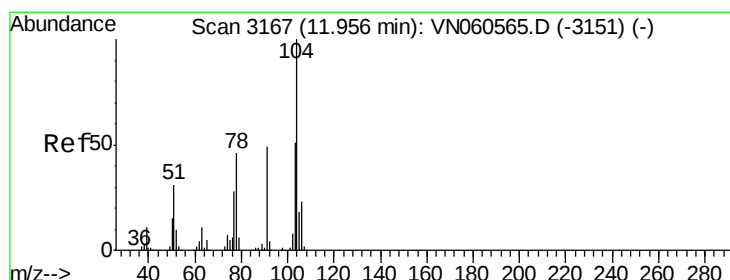
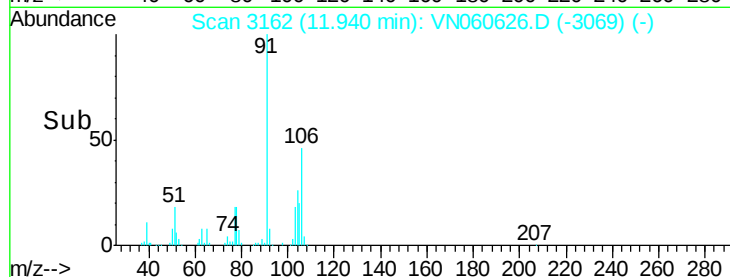
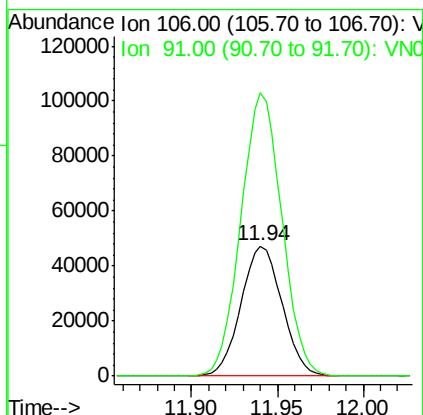
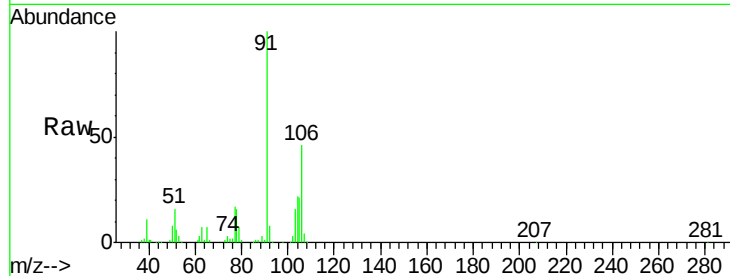
#69
o-Xylene
Concen: 19.418 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060626.D
Acq: 19 Mar 2020 11:02

Instrument :
MSVOA_N
ClientSampleId :
VN0319WBS01

Tot Ion:106 Resp: 78504
Ion Ratio Lower Upper
106 100
91 216.9 109.5 328.4

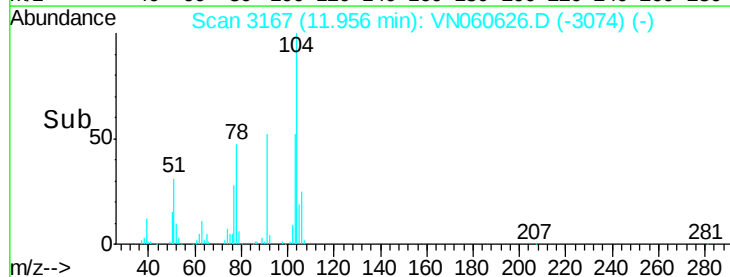
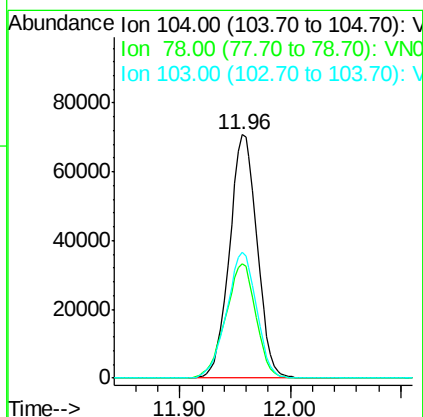
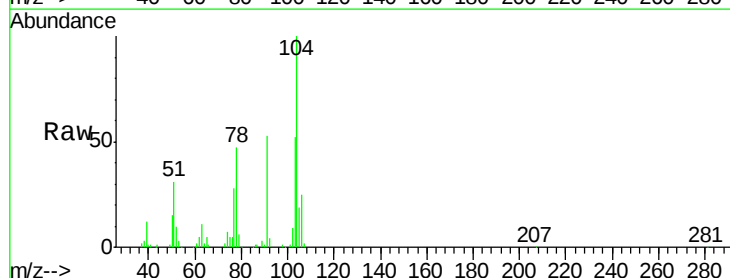
Manual Integrations
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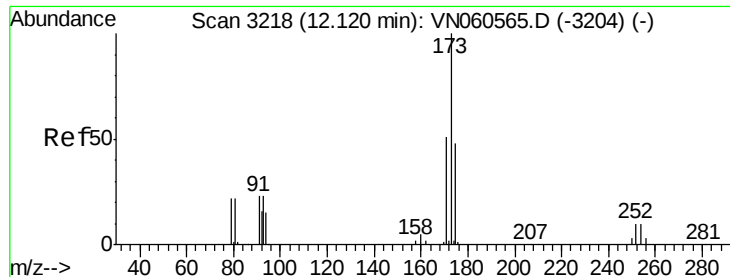
MMDadoda
3/20/2020 12:05:33 PM



#70
Styrene
Concen: 18.611 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060626.D
Acq: 19 Mar 2020 11:02

Tgt Ion:104 Resp: 123055
Ion Ratio Lower Upper
104 100
78 51.4 41.2 61.8
103 55.8 44.0 66.0





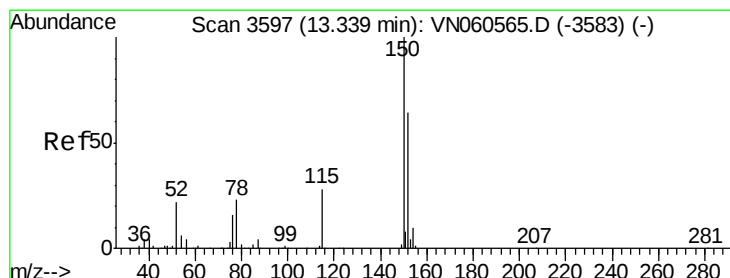
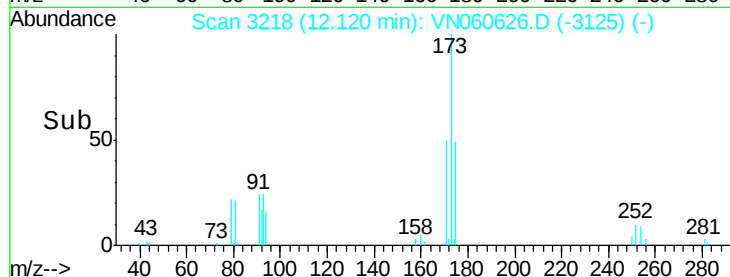
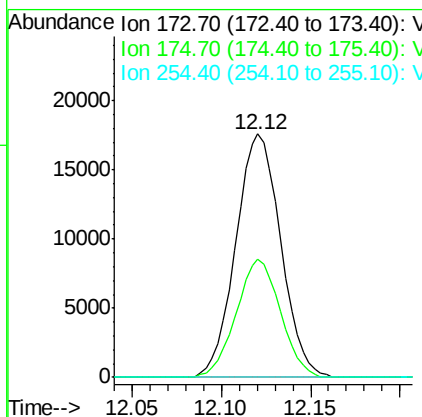
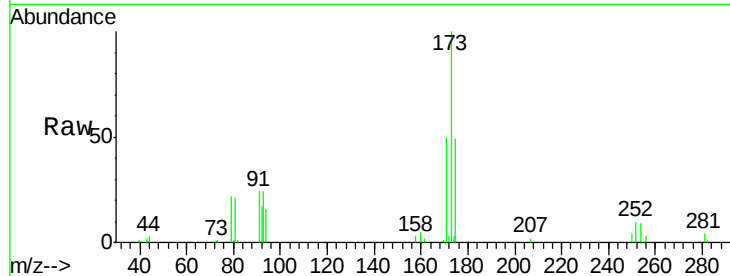
#71
Bromoform
Concen: 17.863 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN060626.D
Acq: 19 Mar 2020 11:02

Instrument :
MSVOA_N
ClientSampleId :
VN0319WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.5	24.1	72.4
254	0.0	0.0	0.0

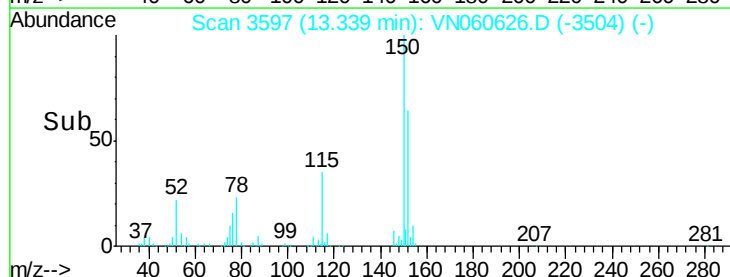
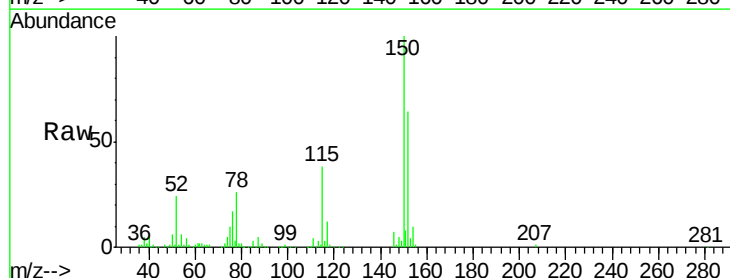
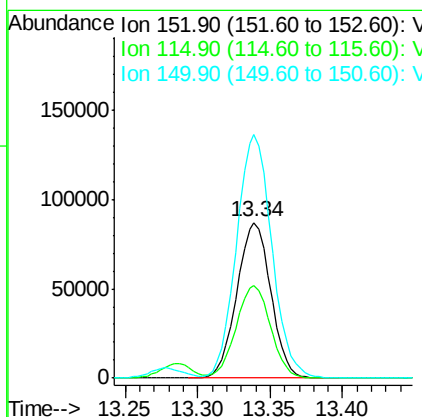
Manual Integrations
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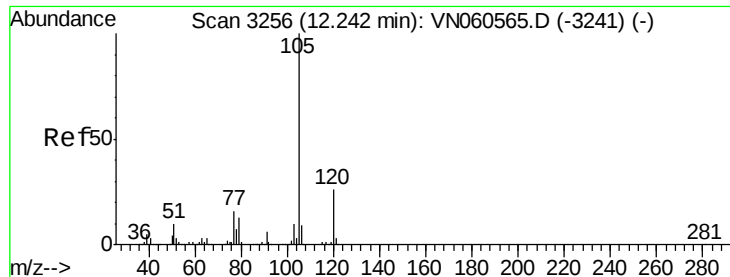
MMDadoda
3/20/2020 12:05:33 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060626.D
Acq: 19 Mar 2020 11:02

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.3	30.2	90.6
150	163.6	0.0	350.2





#73

Isopropylbenzene

Concen: 19.456 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060626.D

Acq: 19 Mar 2020 11:02

Instrument :

MSVOA_N

ClientSampleId :

VN0319WBS01

Tot Ion:105 Resp: 207029

Ion Ratio Lower Upper

105 100

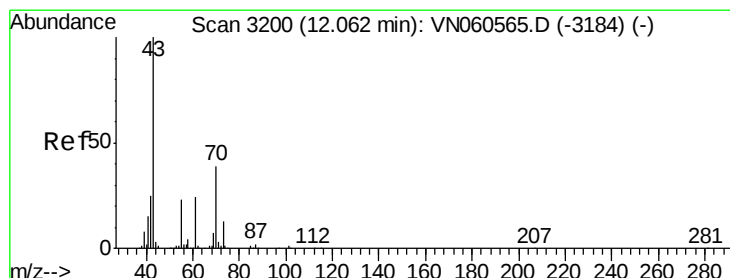
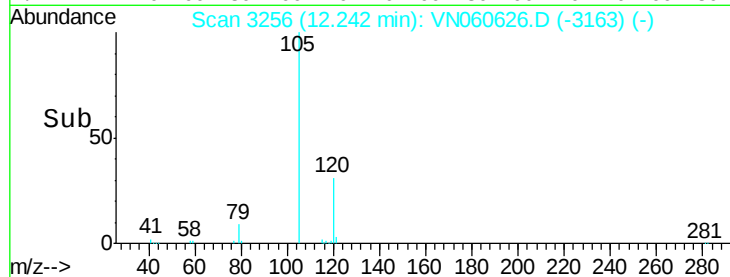
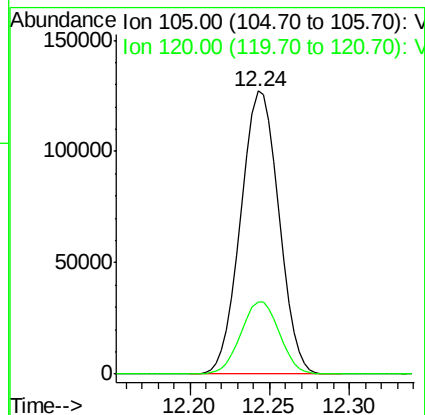
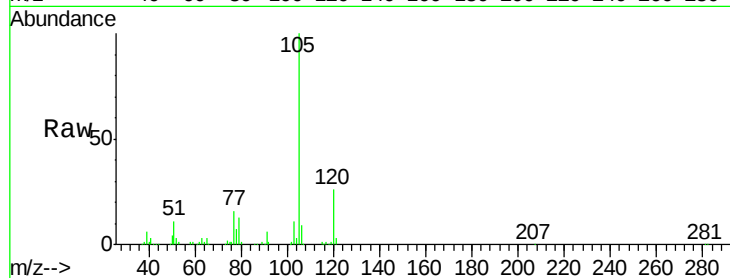
120 25.9 13.1 39.1

Manual Integrations

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#74

N-ethyl acetate

Concen: 18.094 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060626.D

Acq: 19 Mar 2020 11:02

Tgt Ion: 43 Resp: 88971

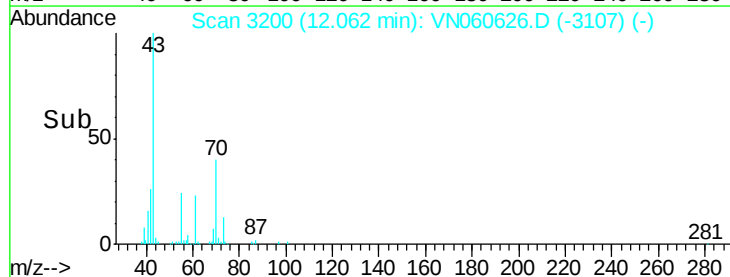
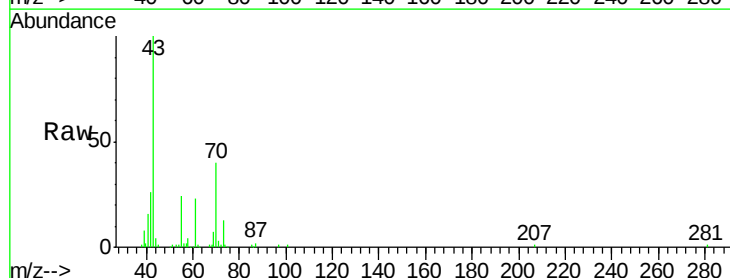
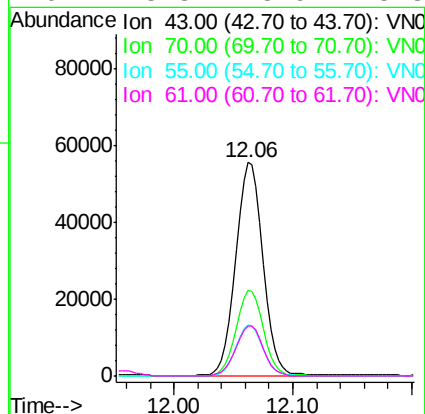
Ion Ratio Lower Upper

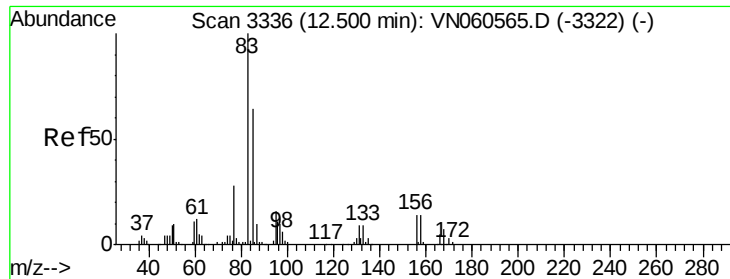
43 100

70 39.8 31.1 46.7

55 23.7 18.6 27.8

61 23.3 18.9 28.3





#75

1,1,2,2-Tetrachloroethane

Concen: 18.336 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060626.D

Acq: 19 Mar 2020 11:02

Instrument :

MSVOA_N

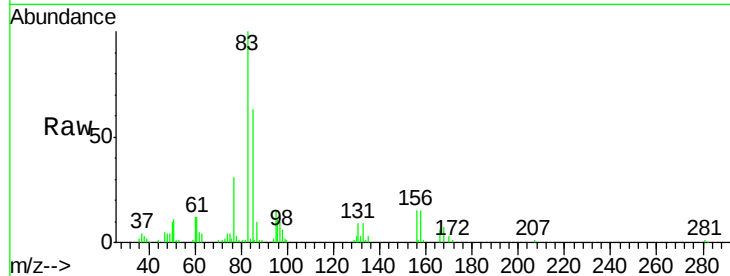
ClientSampleId :

VN0319WBS01

Tot Ion:	83	Resp:	59005
Ion Ratio	Lower	Upper	
83	100		
131	9.2	4.9	14.7
85	63.2	32.5	97.4

Manual Integrations
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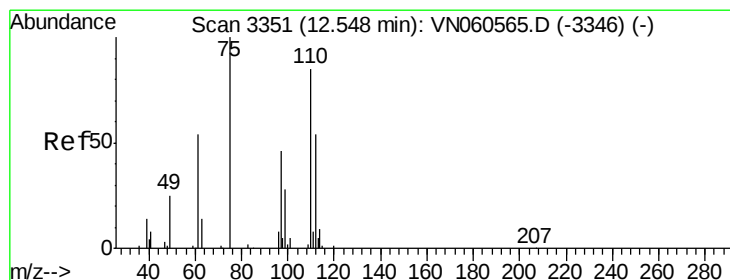
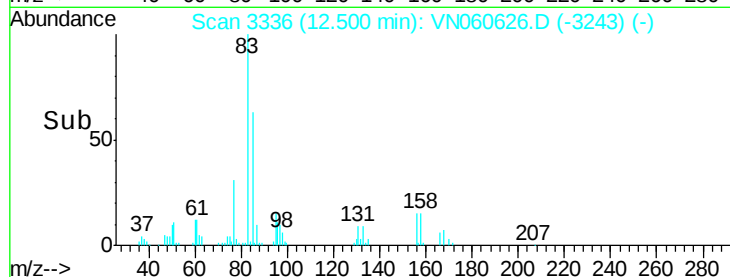
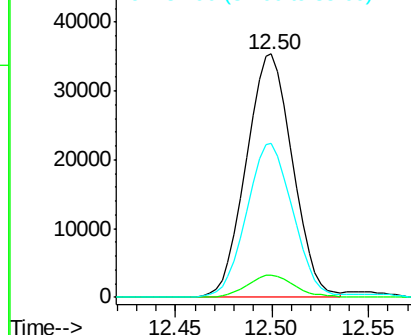
MMDadoda
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Abundance Ion 82.90 (82.60 to 83.60): VN060626.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN060626.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN060626.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 17.452 ug/l m

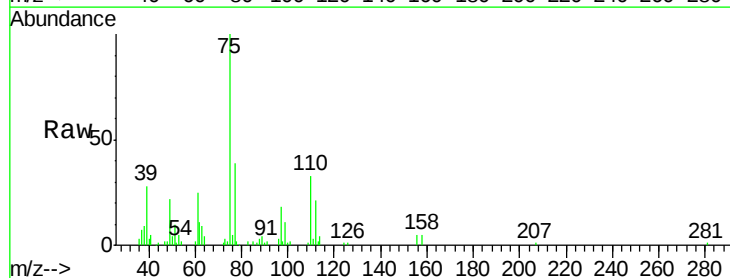
RT: 12.55 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VN060626.D

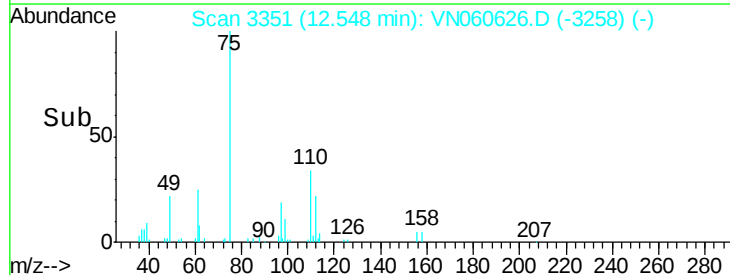
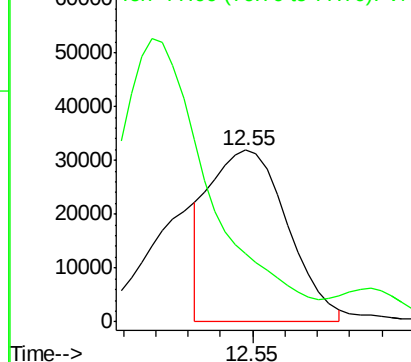
Acq: 19 Mar 2020 11:02

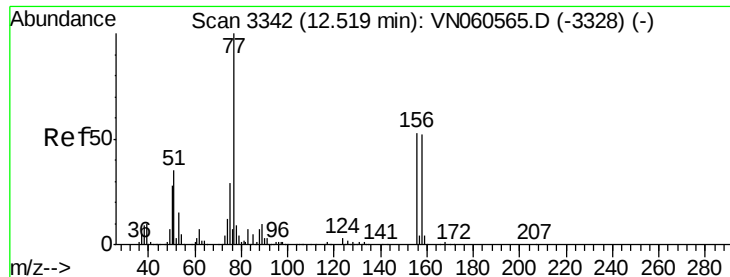
Tgt Ion:	75	Resp:	53396
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060626.D (-3258) (-)

Ion 77.00 (76.70 to 77.70): VN060626.D (-3258) (-)





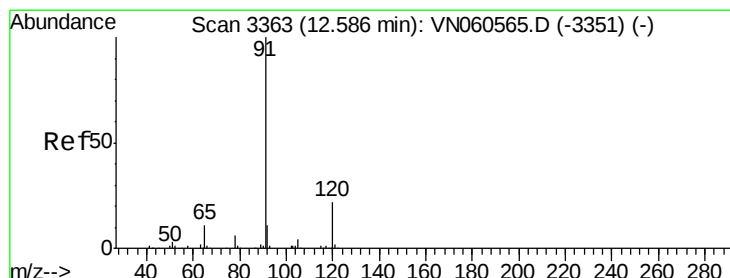
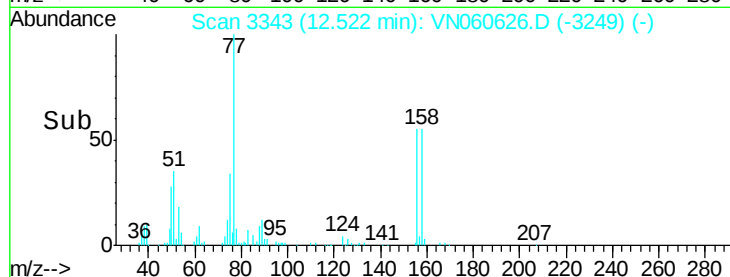
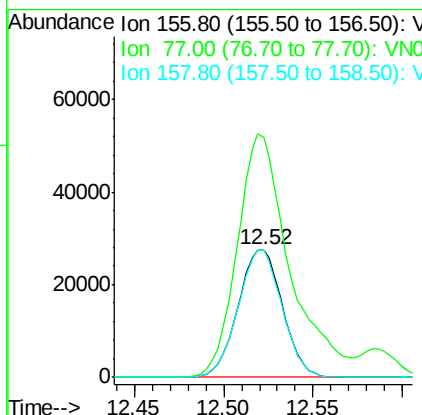
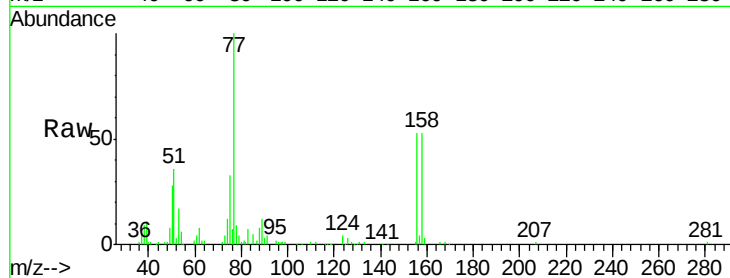
#77
Bromobenzene
Concen: 18.721 ug/l
RT: 12.52 min Scan# 3343
Delta R.T. 0.00 min
Lab File: VN060626.D
Acq: 19 Mar 2020 11:02

Instrument :
MSVOA_N
ClientSampleId :
VN0319WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	224.2	112.3	337.0
158	98.2	48.6	145.8

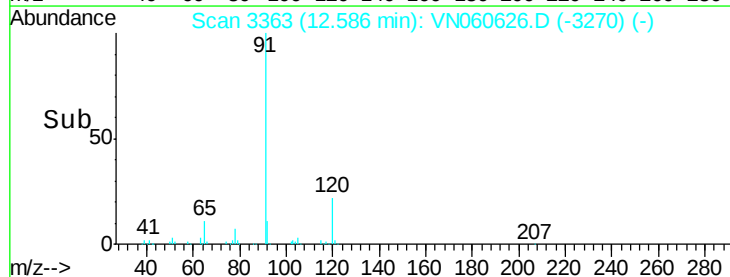
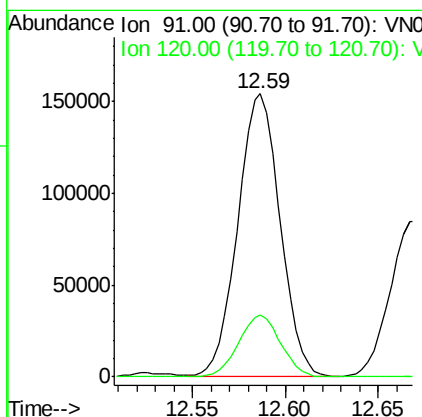
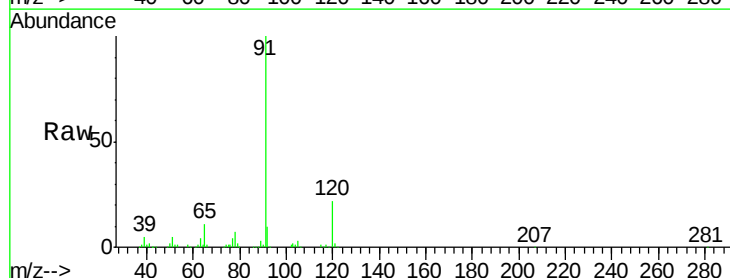
Manual Integrations
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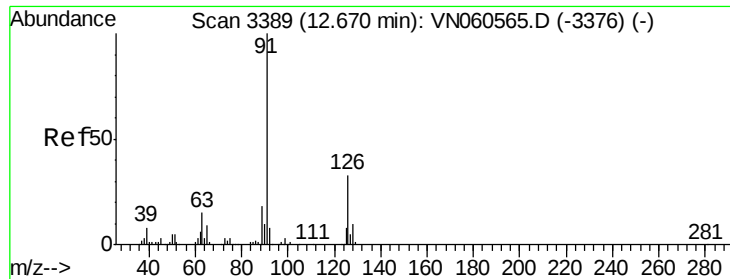
MMDadoda
3/20/2020 12:05:33 PM



#78
n-propylbenzene
Concen: 19.294 ug/l
RT: 12.59 min Scan# 3363
Delta R.T. -0.00 min
Lab File: VN060626.D
Acq: 19 Mar 2020 11:02

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.3	33.8





#79

2-Chlorotoluene

Concen: 18.971 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN060626.D

Acq: 19 Mar 2020 11:02

Instrument :

MSVOA_N

ClientSampleId :

VN0319WBS01

Tot Ion: 91 Resp: 142504

Ion Ratio Lower Upper

91 100

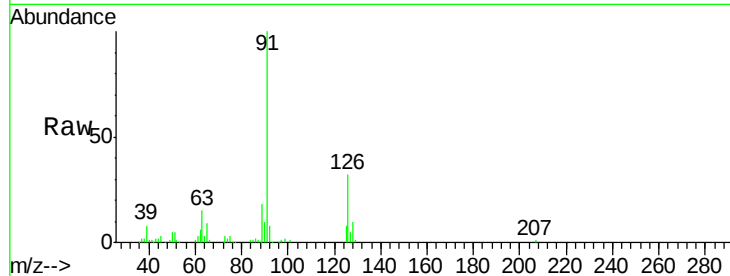
126 32.4 16.4 49.1

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Abundance Ion 91.00 (90.70 to 91.70): VN060626.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN060626.D (-3376) (-)

12.67

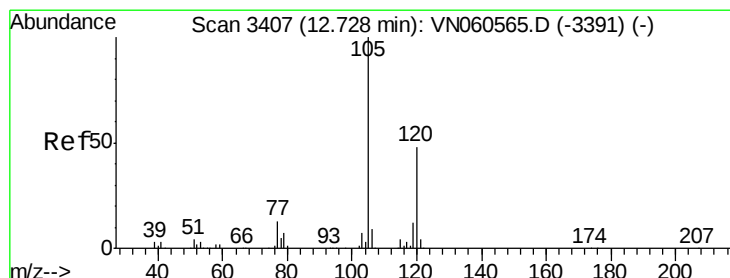
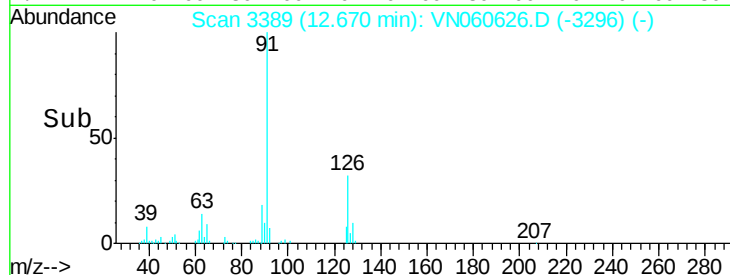
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.193 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060626.D

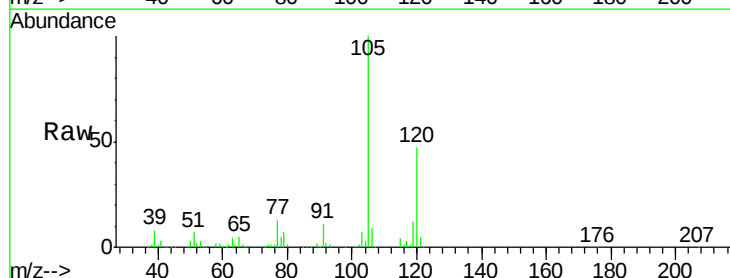
Acq: 19 Mar 2020 11:02

Tgt Ion: 105 Resp: 173322

Ion Ratio Lower Upper

105 100

120 47.7 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN060626.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN060626.D (-3391) (-)

12.73

120000

100000

80000

60000

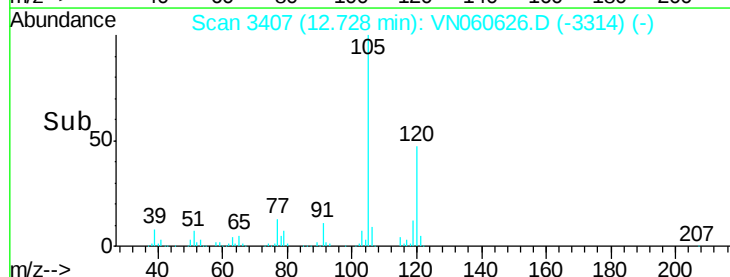
40000

20000

0

12.65 12.70 12.75 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 18.061 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. -0.00 min

Lab File: VN060626.D

Acq: 19 Mar 2020 11:02

Instrument :

MSVOA_N

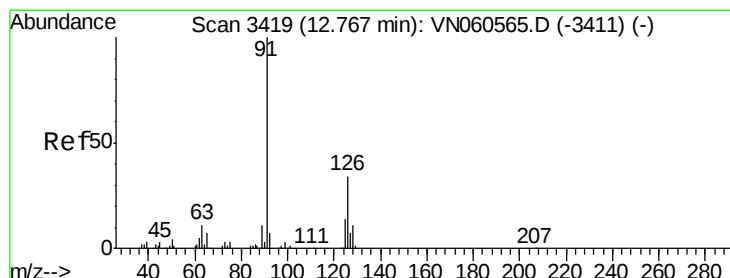
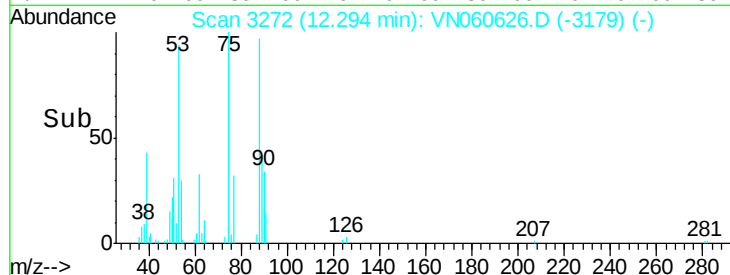
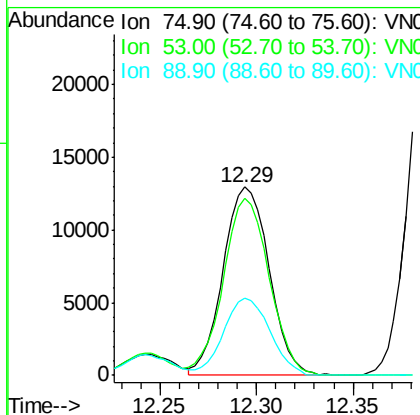
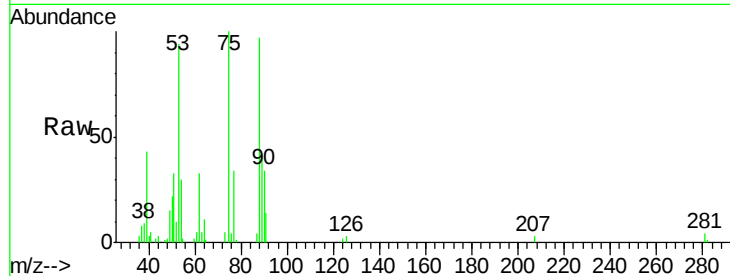
ClientSampleId :

VN0319WBS01

Tot Ion:	75	Resp:	21516
Ion	Ratio	Lower	Upper
75	100		
53	93.8	73.0	109.4
89	41.0	34.8	52.2

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#82

4-Chlorotoluene

Concen: 19.102 ug/l

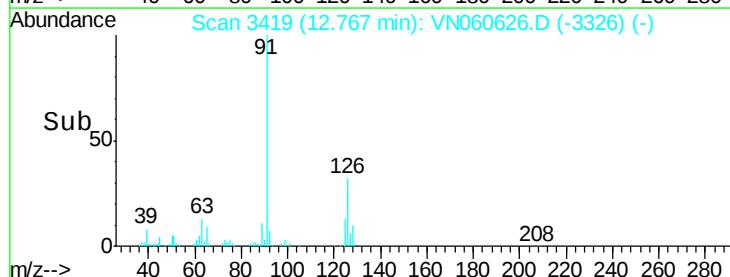
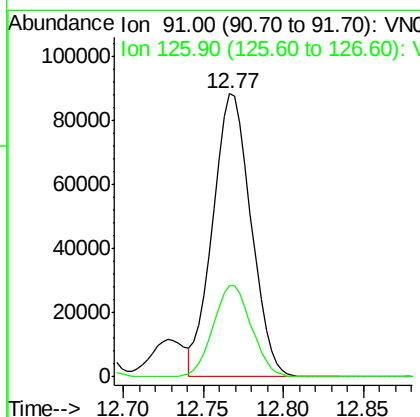
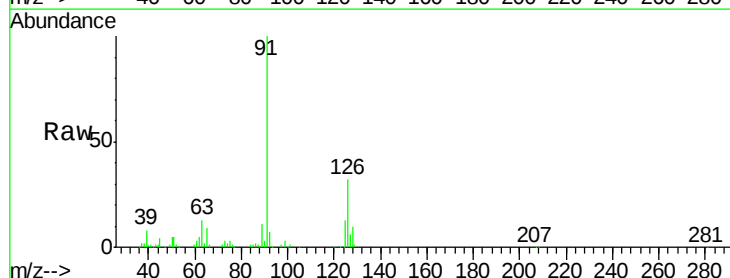
RT: 12.77 min Scan# 3419

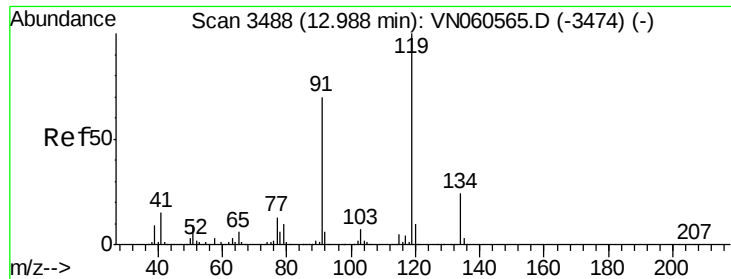
Delta R.T. -0.00 min

Lab File: VN060626.D

Acq: 19 Mar 2020 11:02

Tgt Ion:	91	Resp:	146138
Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.2	48.5





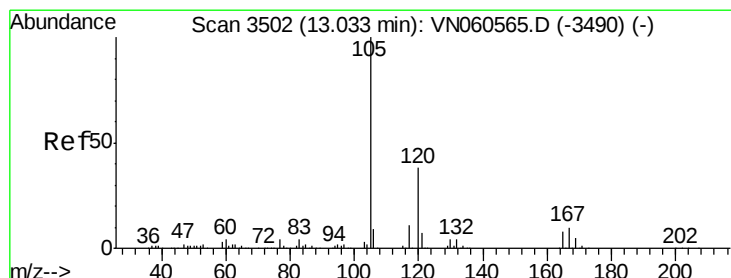
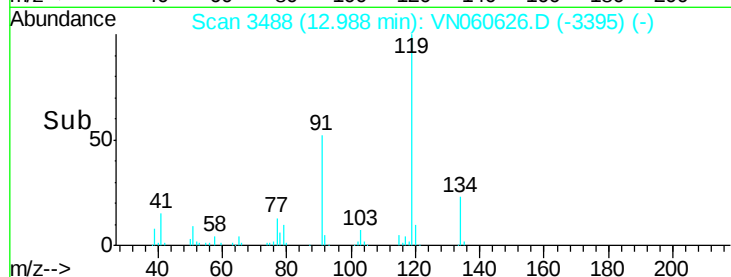
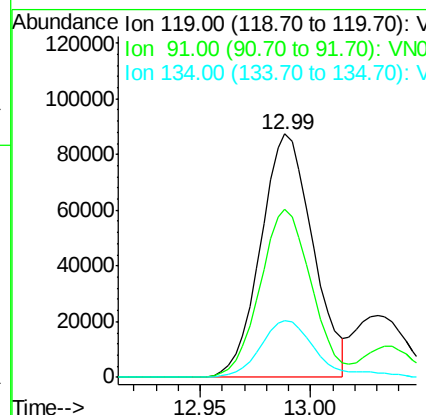
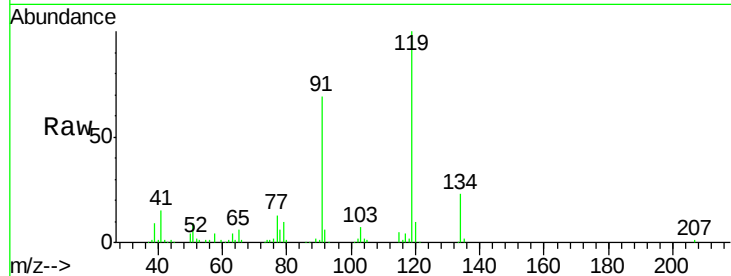
#83
tert-Butylbenzene
Concen: 19.185 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. -0.00 min
Lab File: VN060626.D
Acq: 19 Mar 2020 11:02

Instrument :
MSVOA_N
ClientSampleId :
VN0319WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.9	34.0	101.8
134	25.1	12.7	38.0

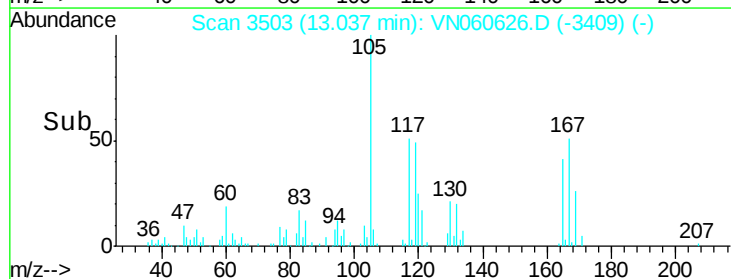
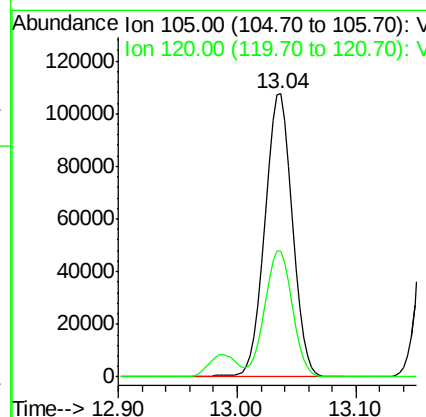
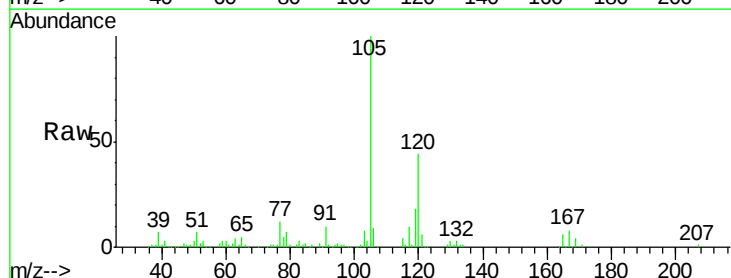
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#84
1,2,4-Trimethylbenzene
Concen: 19.307 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN060626.D
Acq: 19 Mar 2020 11:02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.6	22.1	66.5





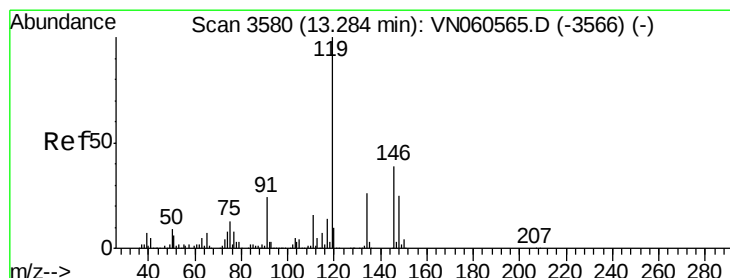
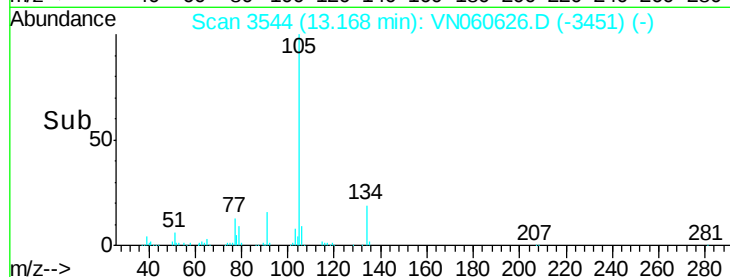
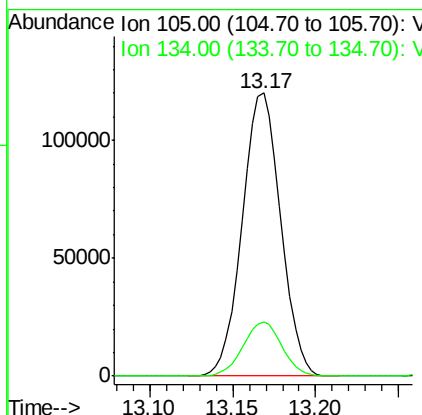
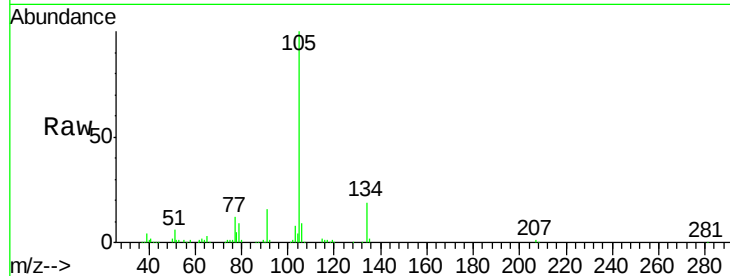
#85
 sec-Butylbenzene
 Concen: 19.214 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. -0.00 min
 Lab File: VN060626.D
 Acq: 19 Mar 2020 11:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0319WBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	193416		
134	19.3	9.6	28.8	

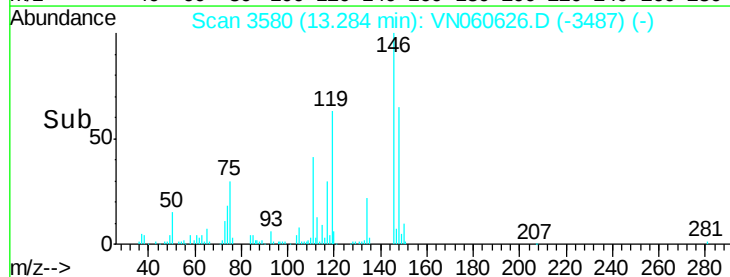
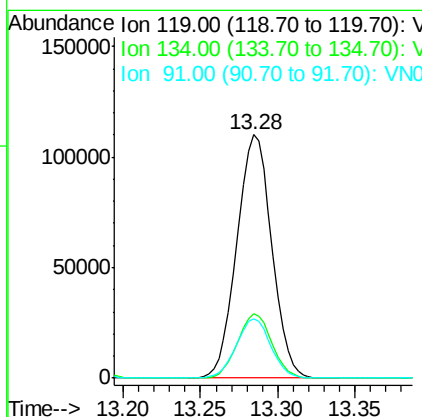
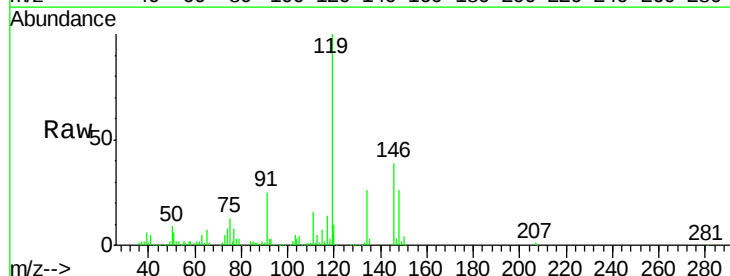
Manual Integrations
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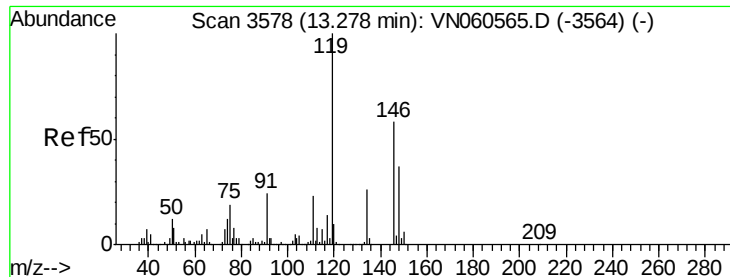
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#86
 p-Isopropyltoluene
 Concen: 19.057 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN060626.D
 Acq: 19 Mar 2020 11:02

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	172505		
134	26.1	13.0	39.0	
91	24.2	12.0	36.0	





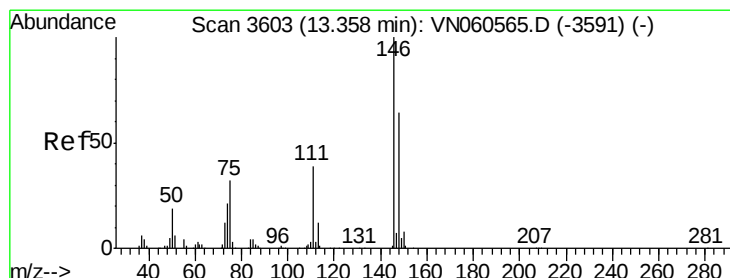
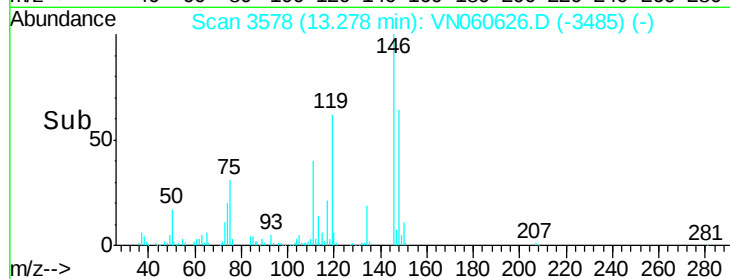
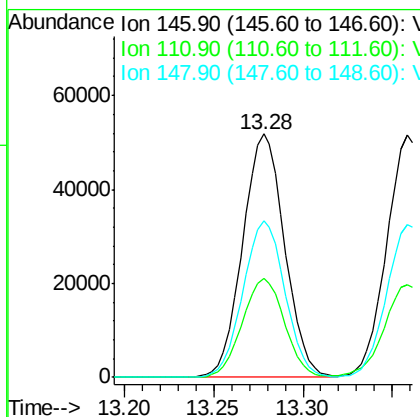
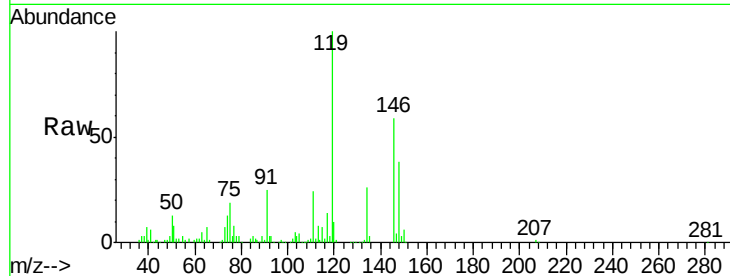
#87
 1,3-Dichlorobenzene
 Concen: 18.804 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. -0.00 min
 Lab File: VN060626.D
 Acq: 19 Mar 2020 11:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0319WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.3	60.8
148	64.1	32.5	97.4

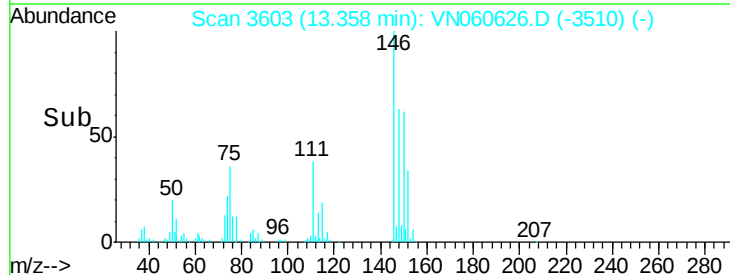
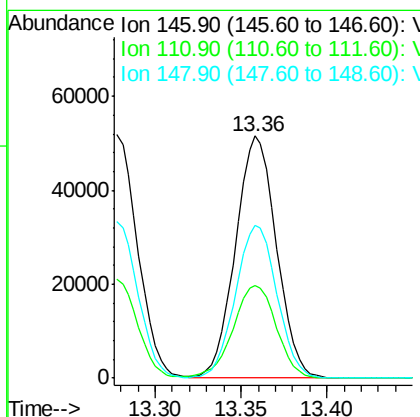
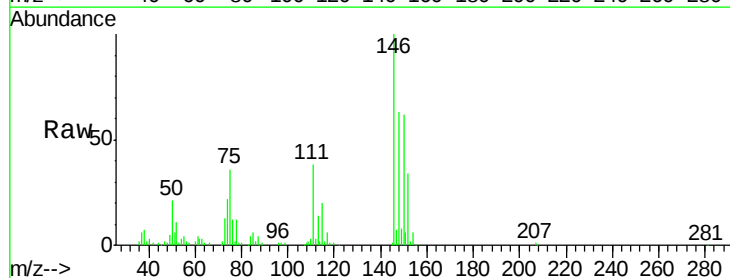
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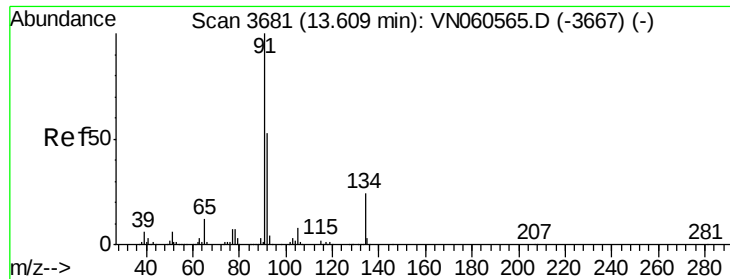
MMDadoda
 3/20/2020 12:05:33 PM



#88
 1,4-Dichlorobenzene
 Concen: 18.722 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN060626.D
 Acq: 19 Mar 2020 11:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	19.6	58.7
148	63.9	32.1	96.3





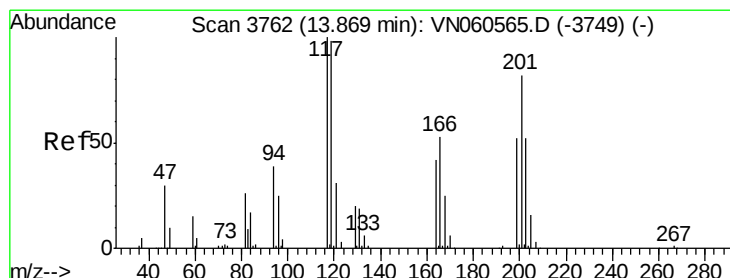
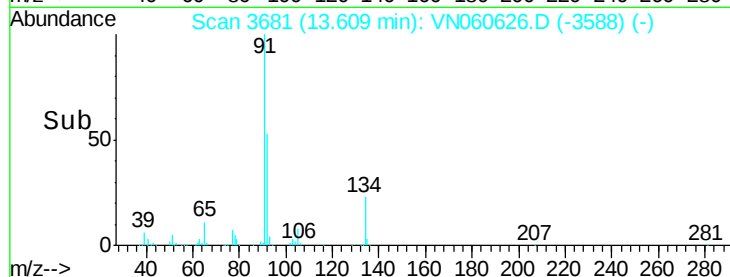
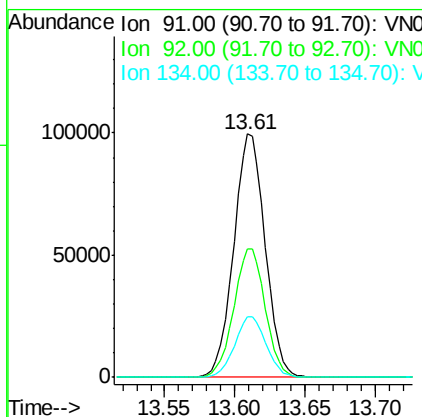
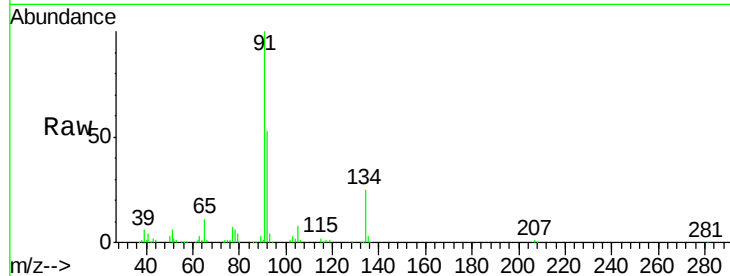
#89
n-Butylbenzene
Concen: 19.015 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN060626.D
Acq: 19 Mar 2020 11:02

Instrument :
MSVOA_N
ClientSampleId :
VN0319WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.2	78.5
134	24.9	12.3	36.9

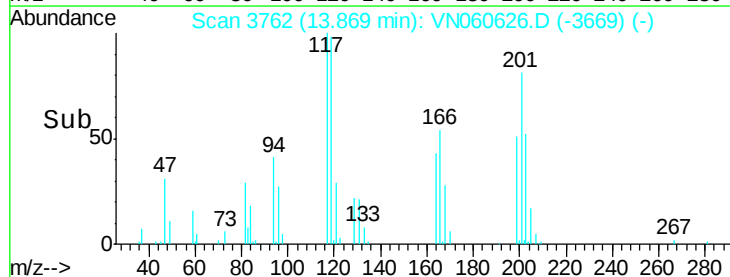
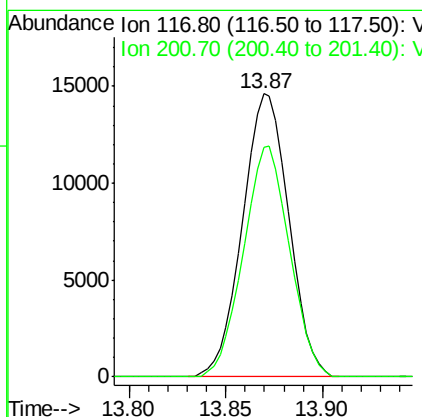
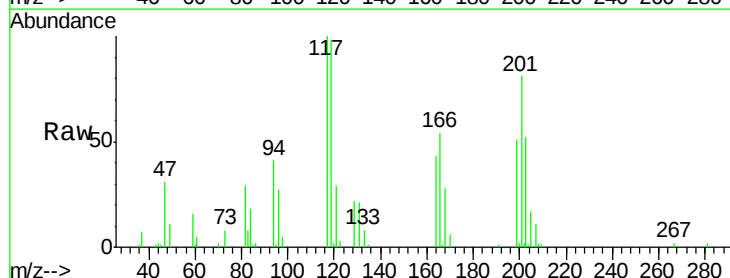
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#90
Hexachloroethane
Concen: 18.541 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN060626.D
Acq: 19 Mar 2020 11:02

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.2	40.8	122.5





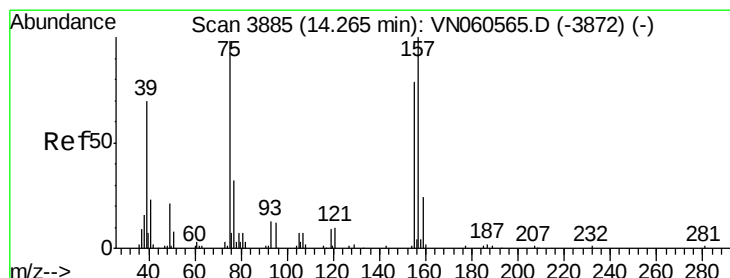
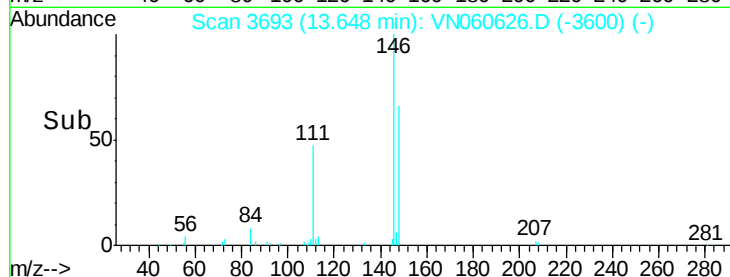
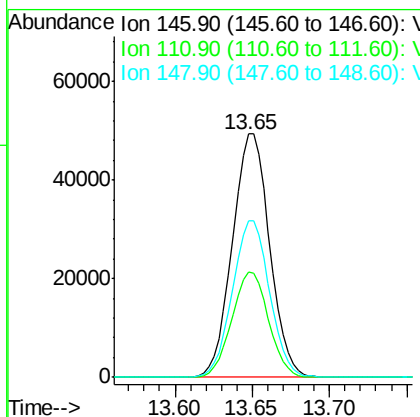
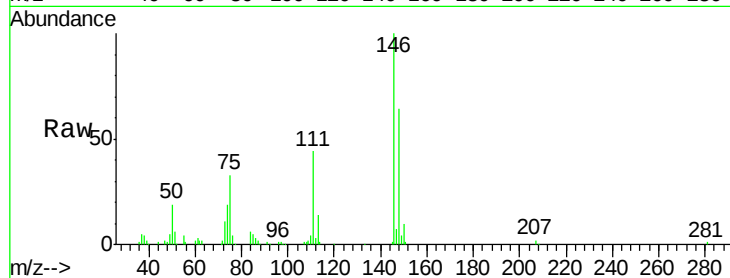
#91
 1,2-Dichlorobenzene
 Concen: 19.083 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. -0.00 min
 Lab File: VN060626.D
 Acq: 19 Mar 2020 11:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0319WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.0	63.0
148	64.2	31.9	95.5

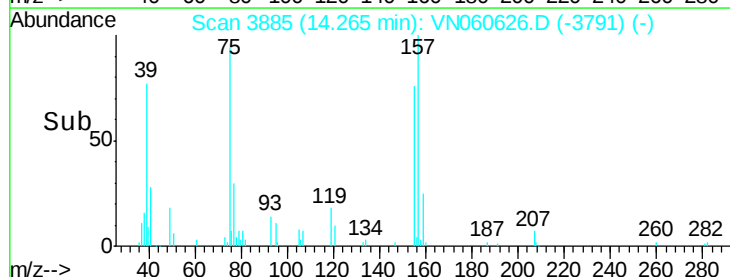
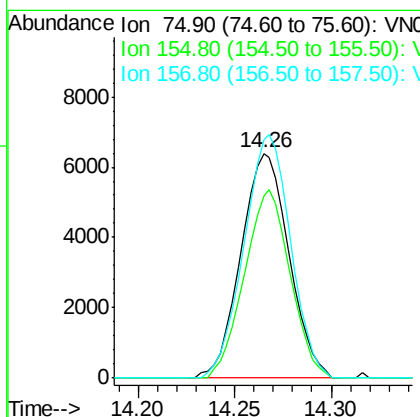
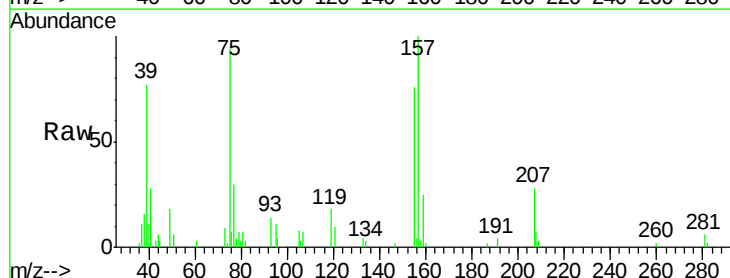
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.204 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN060626.D
 Acq: 19 Mar 2020 11:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.4	40.7	122.1
157	105.1	51.5	154.7





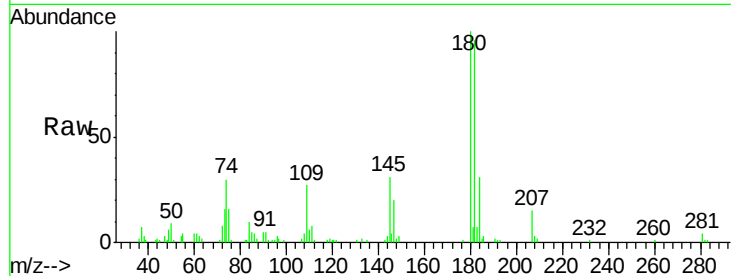
#93
 1,2,4-Trichlorobenzene
 Concen: 17.853 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN060626.D
 Acq: 19 Mar 2020 11:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0319WBS01

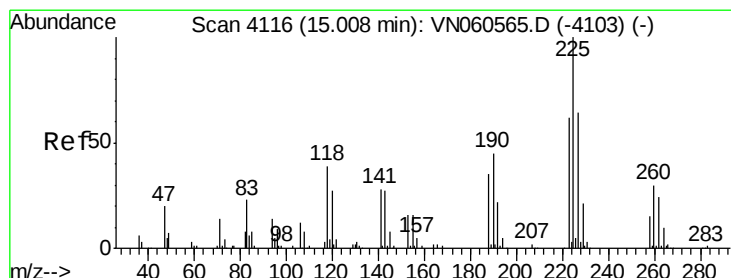
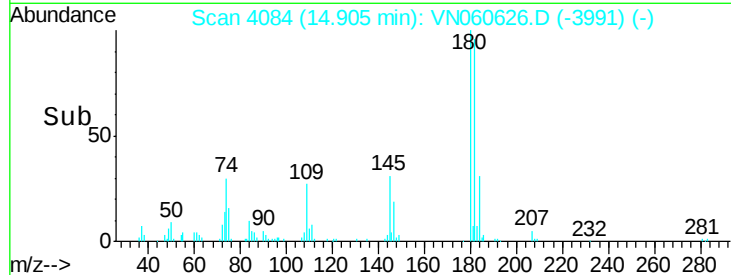
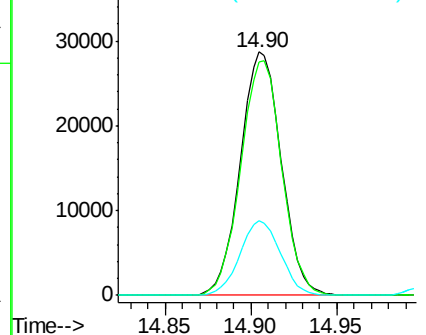
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.9	143.8
145	30.3	15.4	46.2

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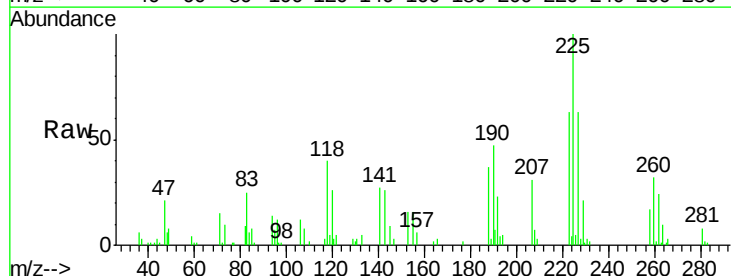


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

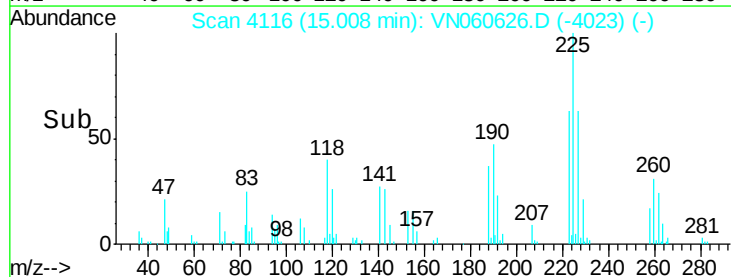
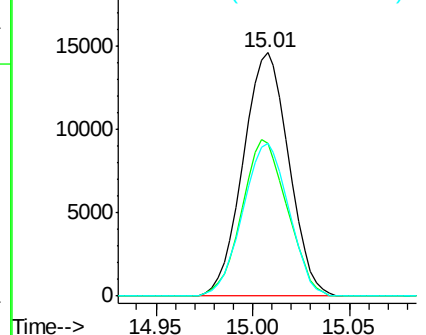


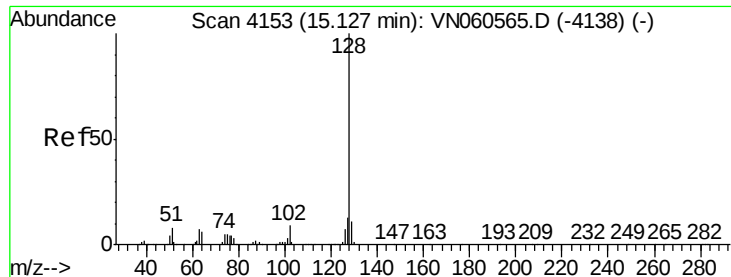
#94
 Hexachlorobutadiene
 Concen: 18.478 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN060626.D
 Acq: 19 Mar 2020 11:02

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.9	31.6	95.0
227	63.2	32.3	96.8



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





#95

Naphthalene

Concen: 16.680 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN060626.D

Acq: 19 Mar 2020 11:02

Instrument :

MSVOA_N

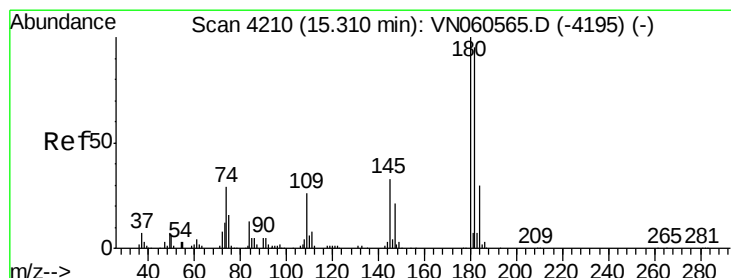
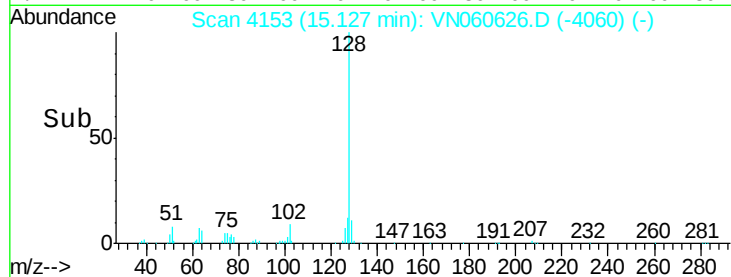
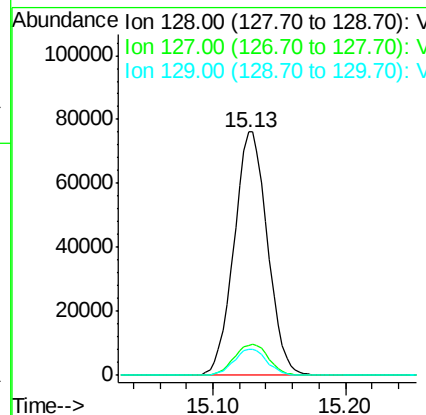
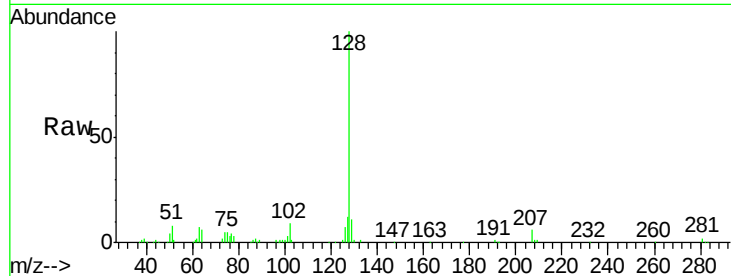
ClientSampled :

VN0319WBS01

Tot Ion:	128	Resp:	133226
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.2	15.2
129	10.6	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
3/20/2020 12:05:33 PM



#96

1,2,3-Trichlorobenzene

Concen: 17.383 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN060626.D

Acq: 19 Mar 2020 11:02

Tgt Ion:	180	Resp:	45468
Ion Ratio	Lower	Upper	
180	100		
182	95.4	47.5	142.6
145	33.3	16.3	48.8

