

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102120\
 Data File : VN064227.D
 Acq On : 21 Oct 2020 17:32
 Operator : JC/MD
 Sample : VN1021MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1021MBS01

Manual Integrations
 APPROVED

MMDadoda
 10/23/2020 2:10:18 PM

Quant Time: Oct 22 02:21:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102120W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 21 12:48:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	267708	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	445738	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	403822	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	193348	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	207790	52.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.54%	
35) Dibromofluoromethane	7.55	113	146948	49.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.18%	
50) Toluene-d8	10.06	98	533981	49.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.34%	
62) 4-Bromofluorobenzene	12.38	95	214792	49.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	62870	19.707	ug/l	97
3) Chloromethane	2.04	50	64995	21.006	ug/l	95
4) Vinyl Chloride	2.16	62	64852	21.141	ug/l	100
5) Bromomethane	2.54	94	39475	19.742	ug/l	99
6) Chloroethane	2.68	64	36222	19.397	ug/l	98
7) Trichlorofluoromethane	2.99	101	106555	21.123	ug/l	96
8) Diethyl Ether	3.38	74	33826	20.271	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.72	101	53228	20.405	ug/l	100
10) Methyl Iodide	3.92	142	68788	18.544	ug/l	98
11) Tert butyl alcohol	4.73	59	54714	102.810	ug/l #	82
12) 1,1-Dichloroethene	3.70	96	49702	19.809	ug/l	95
13) Acrolein	3.57	56	30210	90.431	ug/l	100
14) Allyl chloride	4.28	41	102944	20.500	ug/l	99
15) Acrylonitrile	4.93	53	111919	101.702	ug/l	99
16) Acetone	3.78	43	115311	101.369	ug/l	97
17) Carbon Disulfide	4.01	76	142074	19.851	ug/l	99
18) Methyl Acetate	4.28	43	56457	19.477	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	174556	20.236	ug/l	96
20) Methylene Chloride	4.51	84	57231	18.868	ug/l	96
21) trans-1,2-Dichloroethene	4.99	96	56332	20.360	ug/l	96
22) Diisopropyl ether	5.90	45	178817	19.155	ug/l	93
23) Vinyl Acetate	5.84	43	848058	101.867	ug/l	99
24) 1,1-Dichloroethane	5.80	63	111730	20.660	ug/l	98
25) 2-Butanone	6.78	43	183827	101.715	ug/l	98
26) 2,2-Dichloropropane	6.77	77	104055	19.327	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	65676	20.383	ug/l	98
28) Bromochloromethane	7.15	49	48801	18.995	ug/l	99
29) Tetrahydrofuran	7.16	42	112837	104.376	ug/l	98
30) Chloroform	7.33	83	120280	20.851	ug/l	98
31) Cyclohexane	7.62	56	88906	18.864	ug/l	95
32) 1,1,1-Trichloroethane	7.53	97	110754	20.495	ug/l	99
36) 1,1-Dichloropropene	7.75	75	84375	18.987	ug/l	99
37) Ethyl Acetate	6.88	43	77052	19.097	ug/l	98
38) Carbon Tetrachloride	7.73	117	102433	20.260	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	74768	18.504	ug/l	96
40) Benzene	8.00	78	234386	19.107	ug/l	99
41) Methacrylonitrile	7.13	41	42586	20.122	ug/l #	84
42) 1,2-Dichloroethane	8.09	62	104859	19.955	ug/l	98
43) Isopropyl Acetate	8.13	43	148662	19.771	ug/l	99
44) Trichloroethene	8.80	130	63342	18.949	ug/l	99
45) 1,2-Dichloropropane	9.08	63	63712	19.455	ug/l	96
46) Dibromomethane	9.18	93	44852	20.397	ug/l	97
47) Bromodichloromethane	9.37	83	97016	19.970	ug/l	99
48) Methyl methacrylate	9.16	41	74712	19.021	ug/l	98
49) 1,4-Dioxane	9.16	88	18584	404.363	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	407221	101.332	ug/l	99
52) Toluene	10.13	92	148397	18.906	ug/l	96
53) t-1,3-Dichloropropene	10.35	75	107662	19.950	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	106982	18.828	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	60941	20.557	ug/l	98
56) Ethyl methacrylate	10.40	69	90947	19.841	ug/l	99
57) 1,3-Dichloropropane	10.68	76	103016	20.006	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	224904	95.285	ug/l	100
59) 2-Hexanone	10.72	43	292458	99.649	ug/l	99
60) Dibromochloromethane	10.87	129	73245	19.086	ug/l	98
61) 1,2-Dibromoethane	10.97	107	63642	20.345	ug/l	96
64) Tetrachloroethene	10.60	164	63307	19.473	ug/l	99
65) Chlorobenzene	11.41	112	162736	19.469	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	65024	19.598	ug/l	99
67) Ethyl Benzene	11.49	91	300125	19.537	ug/l	96
68) m/p-Xylenes	11.59	106	219422	38.552	ug/l	98
69) o-Xylene	11.92	106	103718	18.842	ug/l	94
70) Styrene	11.94	104	176293	19.107	ug/l	97
71) Bromoform	12.10	173	49188	19.191	ug/l #	98
73) Isopropylbenzene	12.22	105	286110	19.402	ug/l	99
74) N-amyl acetate	12.04	43	126936	19.921	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	79043	20.199	ug/l	97
76) 1,2,3-Trichloropropane	12.53	75	77350m	18.977	ug/l	
77) Bromobenzene	12.50	156	69160	19.866	ug/l	97
78) n-propylbenzene	12.57	91	314944	18.942	ug/l	98
79) 2-Chlorotoluene	12.65	91	200266	19.610	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	236007	18.931	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	31035	19.223	ug/l	97
82) 4-Chlorotoluene	12.75	91	210924	19.800	ug/l	99
83) tert-Butylbenzene	12.97	119	189567	18.546	ug/l	94
84) 1,2,4-Trimethylbenzene	13.01	105	243430	19.618	ug/l	100
85) sec-Butylbenzene	13.15	105	246622	19.139	ug/l	99
86) p-Isopropyltoluene	13.26	119	225128	19.185	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	119784	19.337	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	122979	19.396	ug/l	98
89) n-Butylbenzene	13.59	91	192343	18.286	ug/l	99
90) Hexachloroethane	13.85	117	36540	17.194	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	120238	19.786	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	20757	21.261	ug/l	95

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	65826	19.313	ug/l	98
94) Hexachlorobutadiene	14.98	225	29610	16.107	ug/l	95
95) Naphthalene	15.10	128	208335	20.411	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	62559	18.532	ug/l	97

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

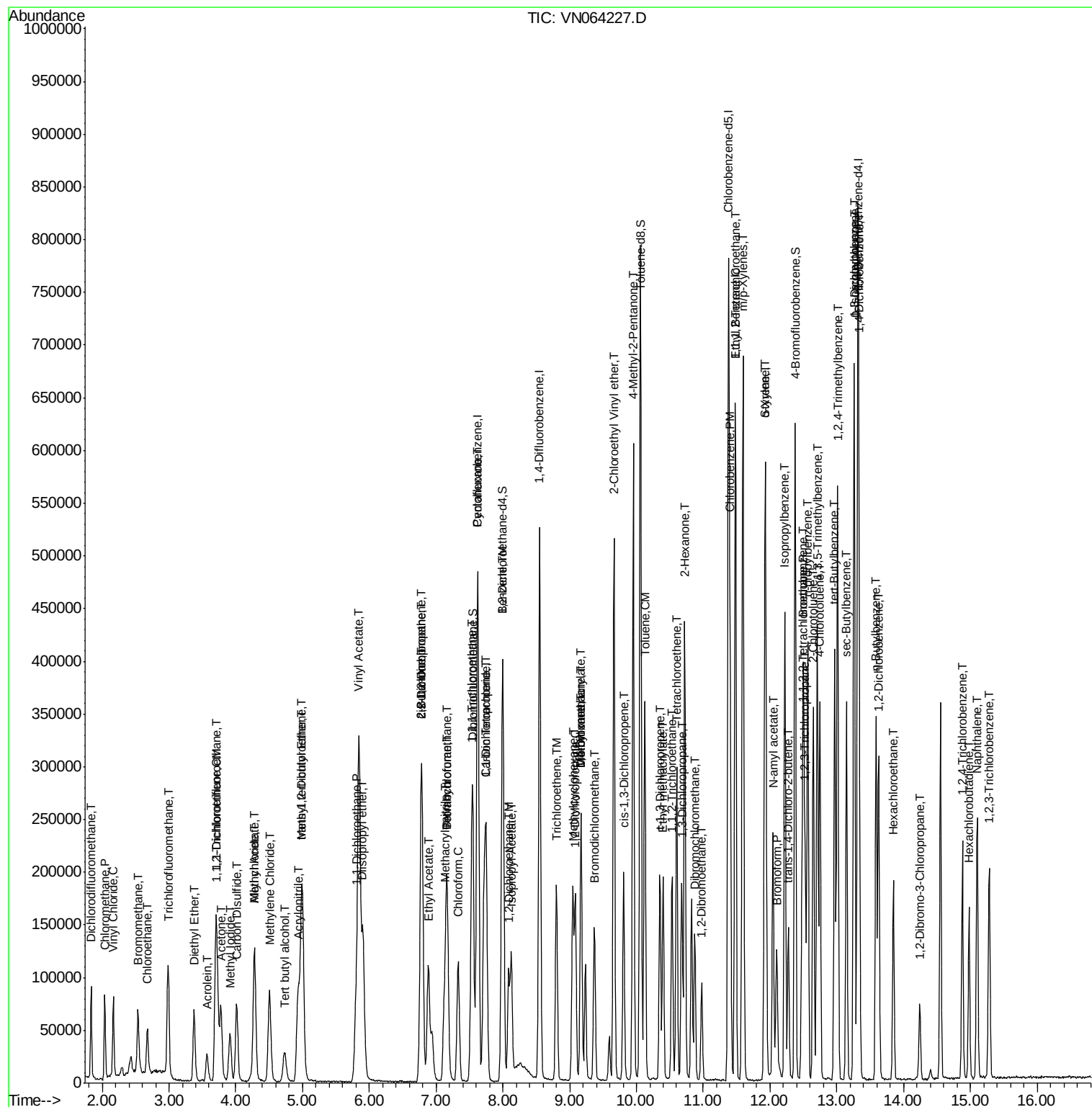
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102120\
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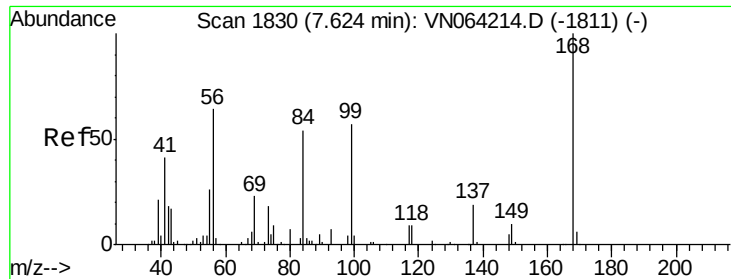
Instrument :
MSVOA_N
ClientSampleId :
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Manual Integrations
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064227.D

Acq: 21 Oct 2020 17:32

Instrument :

MSVOA_N

ClientSampleId :

VN1021MBS01

Tot Ion:168 Resp: 267708

Ion Ratio Lower Upper

168 100

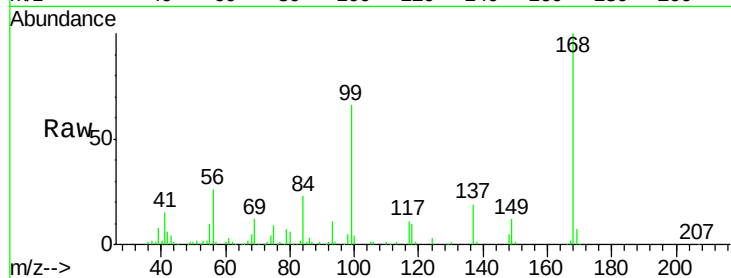
99 66.0 54.0 81.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

120000

100000

80000

60000

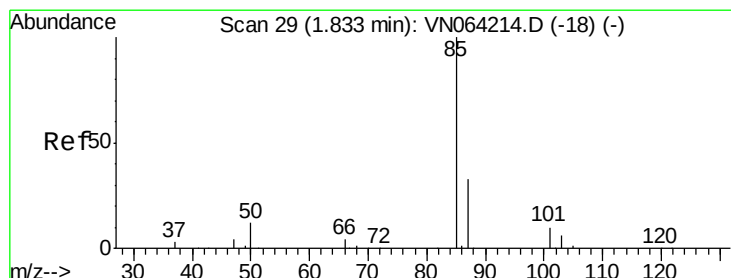
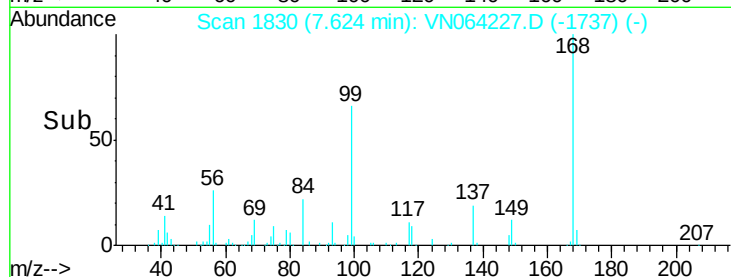
40000

20000

0

7.50 7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 19.707 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064227.D

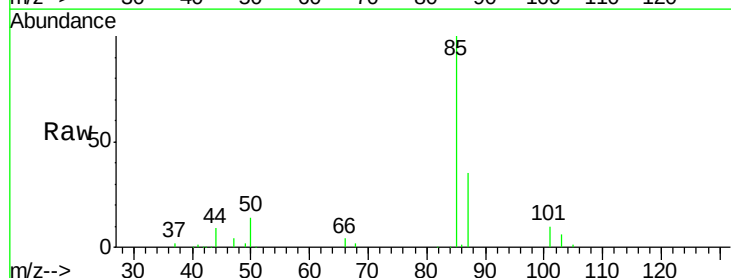
Acq: 21 Oct 2020 17:32

Tgt Ion: 85 Resp: 62870

Ion Ratio Lower Upper

85 100

87 35.0 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

50000

40000

30000

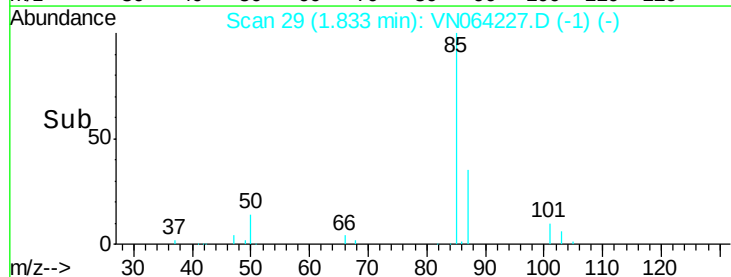
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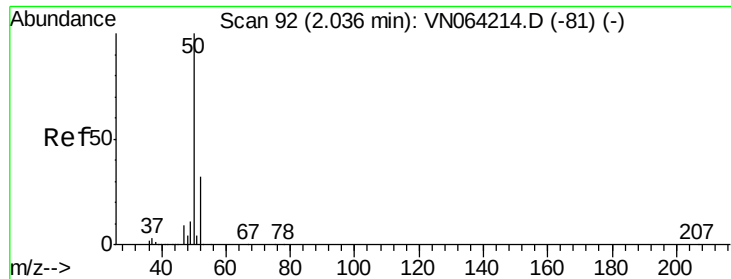
10000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 21.006 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064227.D

Acq: 21 Oct 2020 17:32

Instrument :

MSVOA_N

ClientSampleId :

VN1021MBS01

Tot Ion: 50 Resp: 64995

Ion Ratio Lower Upper

50 100

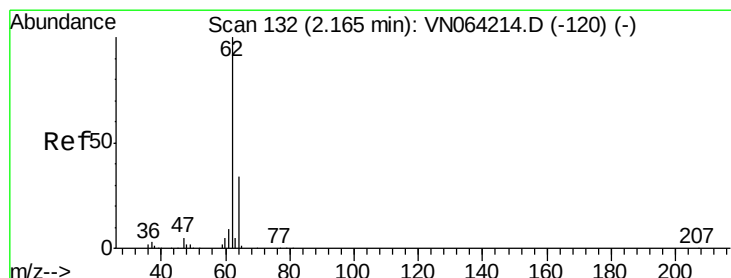
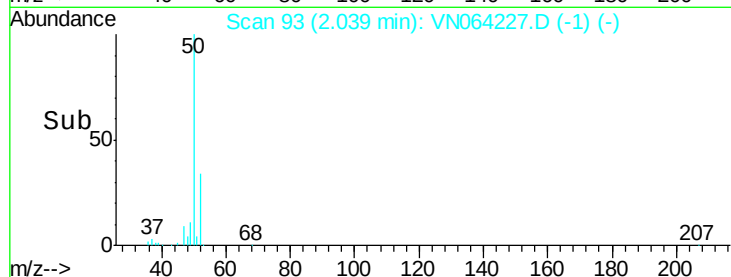
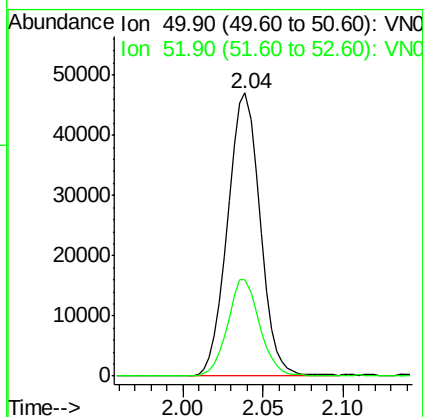
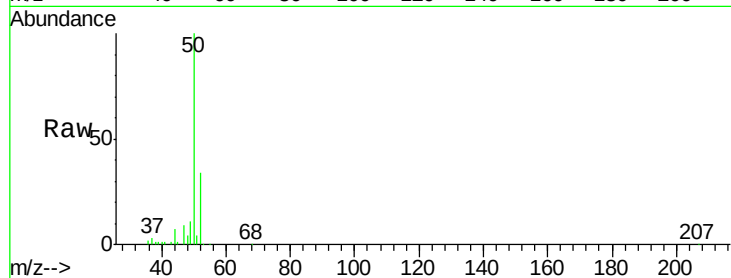
52 34.1 25.3 37.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.141 ug/l

RT: 2.16 min Scan# 132

Delta R.T. -0.00 min

Lab File: VN064227.D

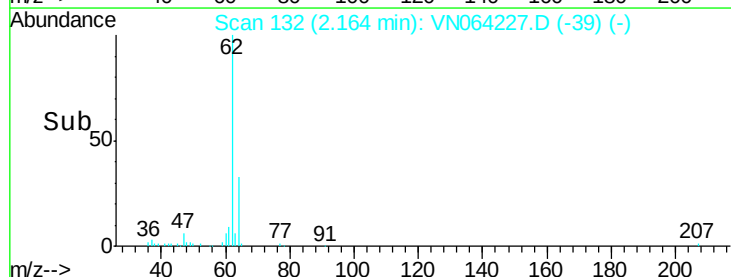
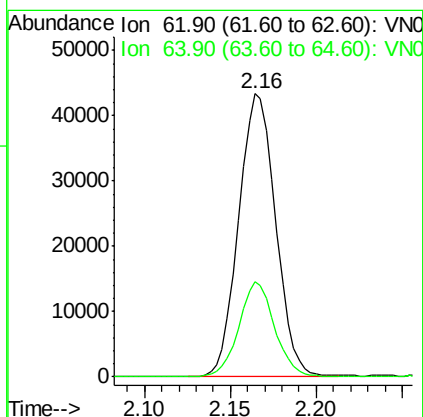
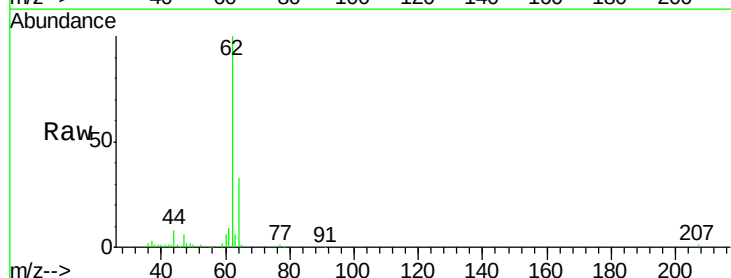
Acq: 21 Oct 2020 17:32

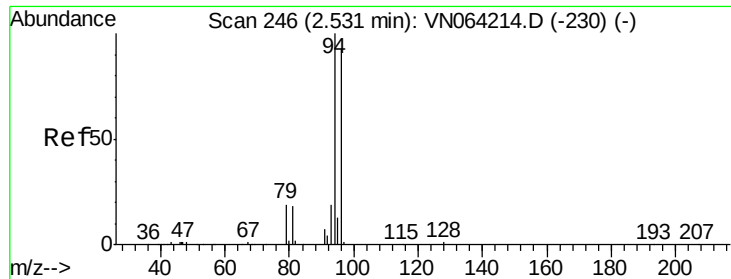
Tgt Ion: 62 Resp: 64852

Ion Ratio Lower Upper

62 100

64 33.5 26.8 40.2





#5

Bromomethane

Concen: 19.742 ug/l

RT: 2.54 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN064227.D

Acq: 21 Oct 2020 17:32

Instrument :

MSVOA_N

ClientSampleId :

VN1021MBS01

Tot Ion: 94 Resp: 39475

Ion Ratio Lower Upper

94 100

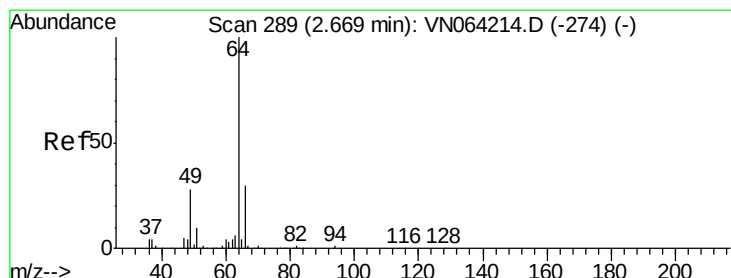
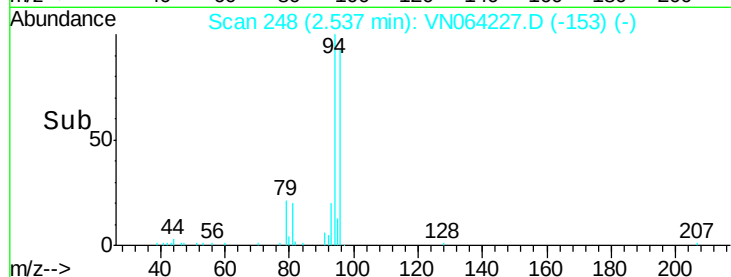
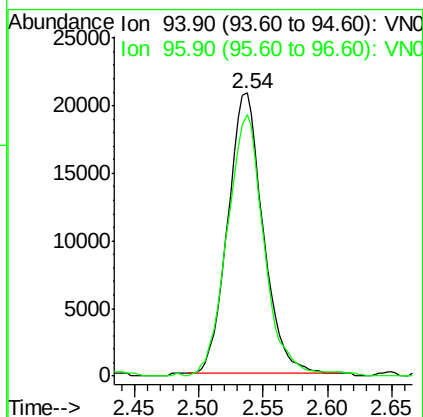
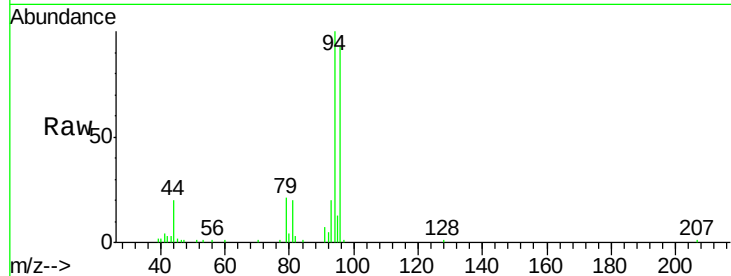
96 93.4 74.2 111.4

Manual Integrations

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#6

Chloroethane

Concen: 19.397 ug/l

RT: 2.68 min Scan# 291

Delta R.T. 0.01 min

Lab File: VN064227.D

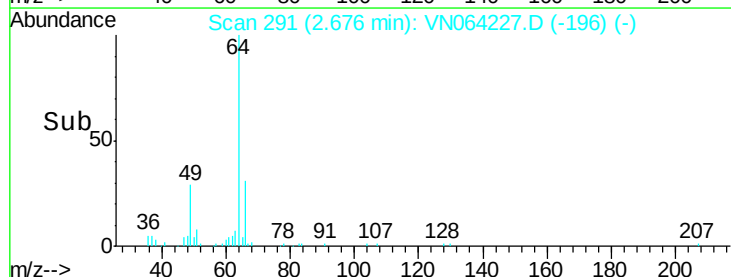
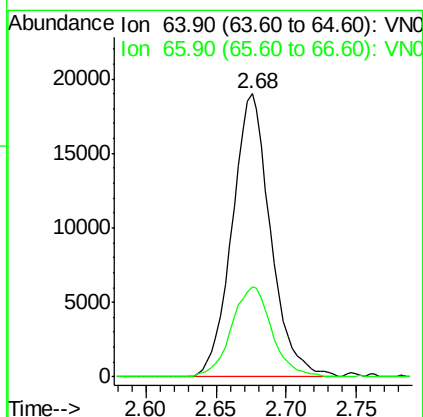
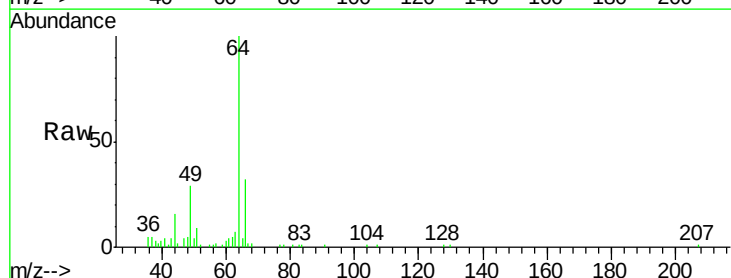
Acq: 21 Oct 2020 17:32

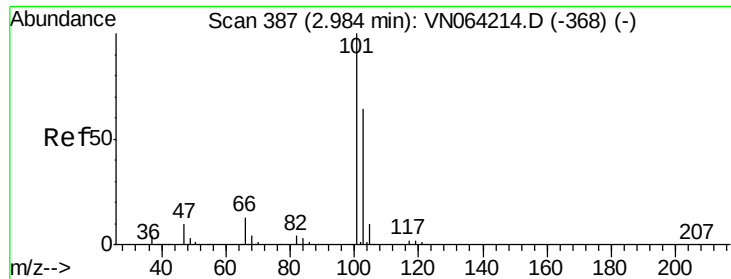
Tgt Ion: 64 Resp: 36222

Ion Ratio Lower Upper

64 100

66 31.8 24.5 36.7





#7

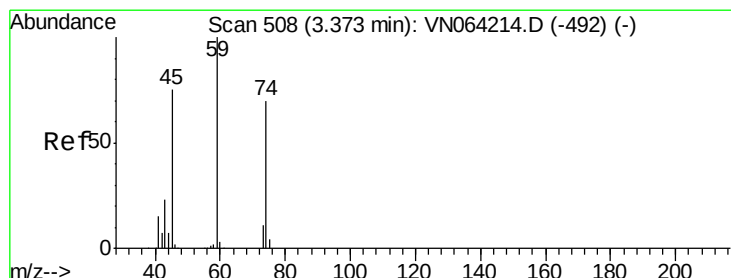
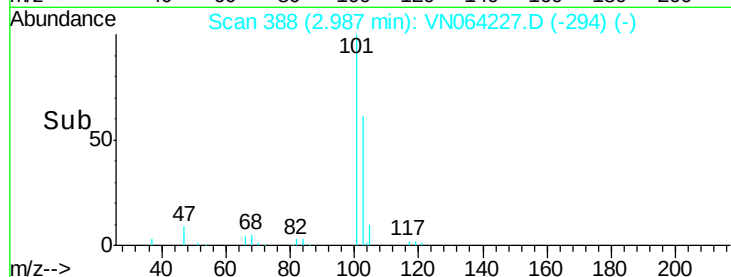
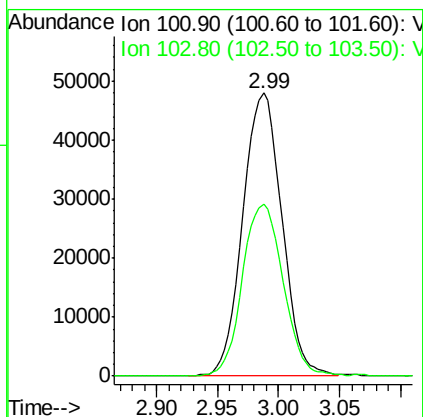
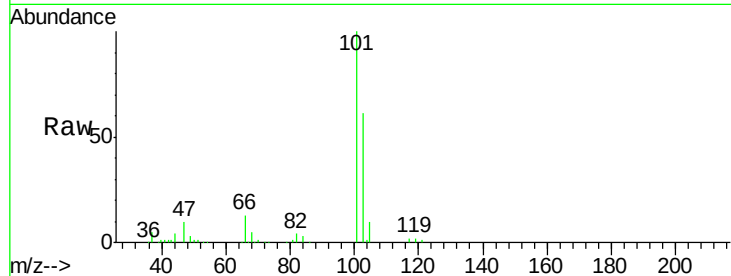
Trichlorofluoromethane
Concen: 21.123 ug/l
RT: 2.99 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN064227.D
Acq: 21 Oct 2020 17:32

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VN1021MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.0	51.0	76.6

Manual Integrations
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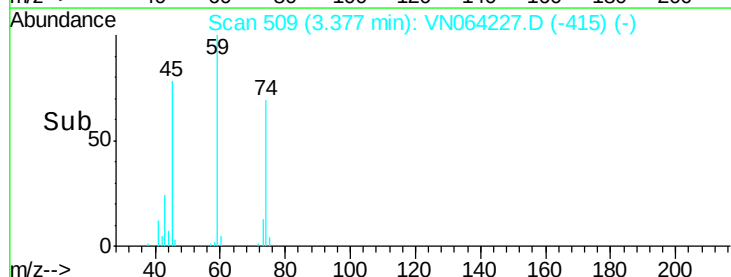
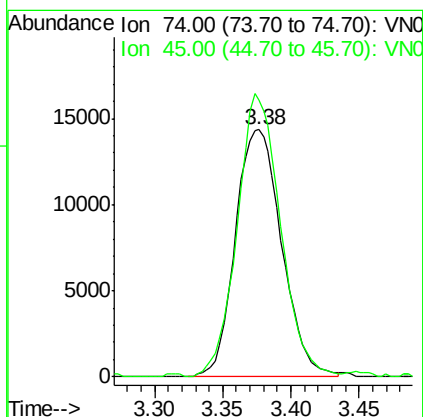
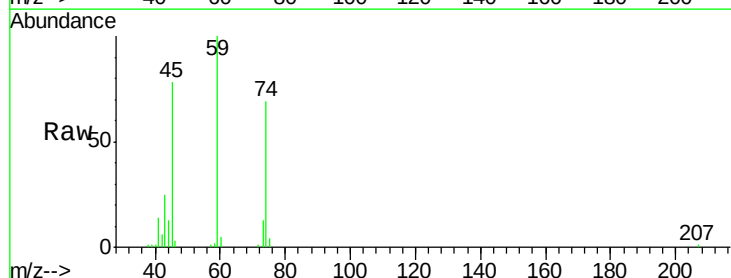
MMDadoda
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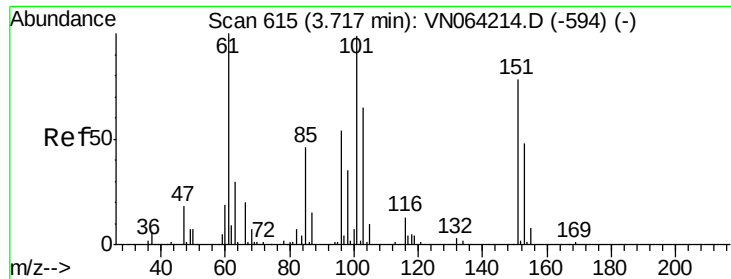


#8

Diethyl Ether
Concen: 20.271 ug/l
RT: 3.38 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN064227.D
Acq: 21 Oct 2020 17:32

Tgt Ion	Ratio	Lower	Upper
74	100		
45	107.2	51.3	154.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.405 ug/l

RT: 3.72 min Scan# 617

Delta R.T. 0.01 min

Lab File: VN064227.D

Acq: 21 Oct 2020 17:32

Instrument :

MSVOA_N

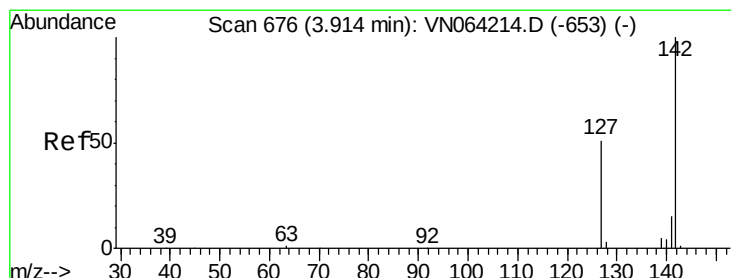
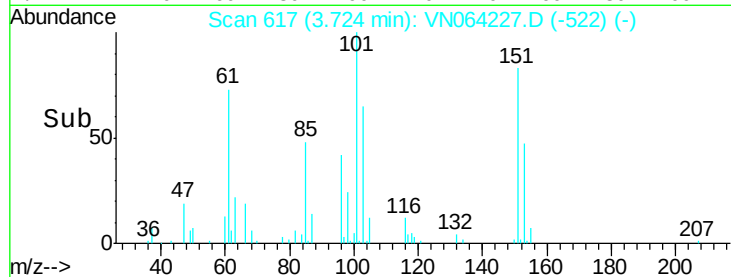
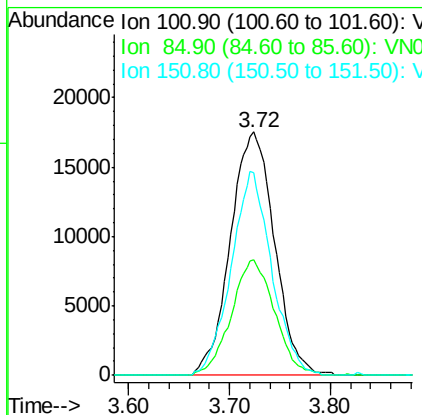
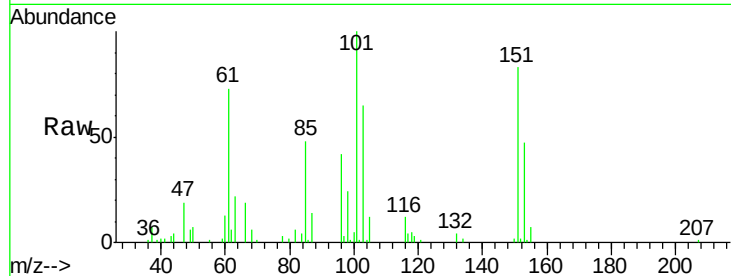
ClientSampleId :

VN1021MBS01

Tot Ion:	101	Resp:	53228
Ion Ratio	Lower	Upper	
101	100		
85	46.5	37.8	56.8
151	76.8	61.4	92.2

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#10

Methyl Iodide

Concen: 18.544 ug/l

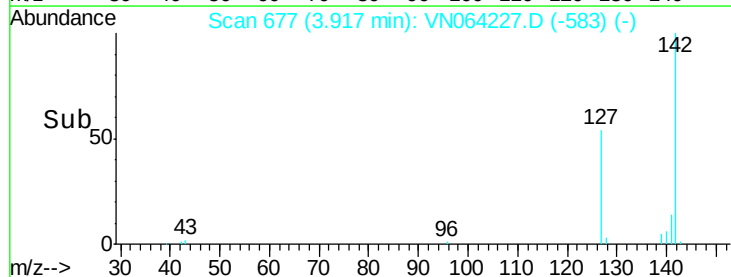
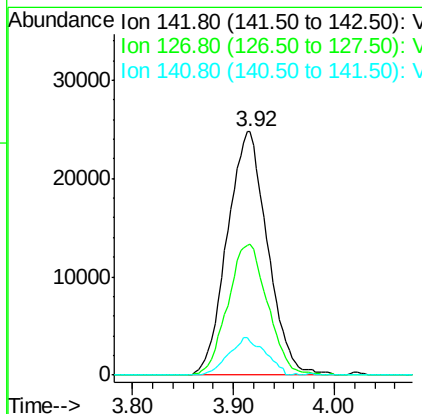
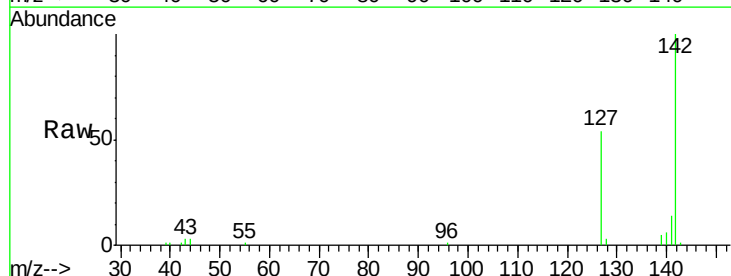
RT: 3.92 min Scan# 677

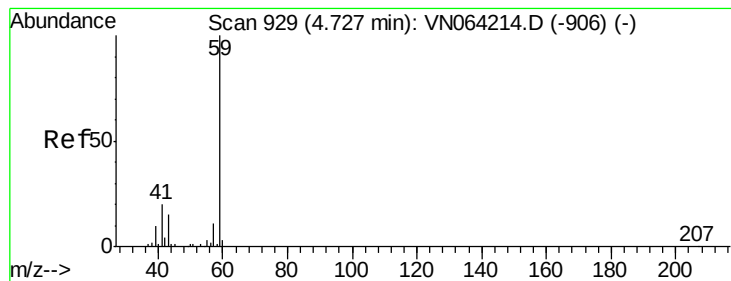
Delta R.T. 0.00 min

Lab File: VN064227.D

Acq: 21 Oct 2020 17:32

Tgt Ion:	142	Resp:	68788
Ion Ratio	Lower	Upper	
142	100		
127	53.1	41.0	61.6
141	14.0	11.3	16.9





#11

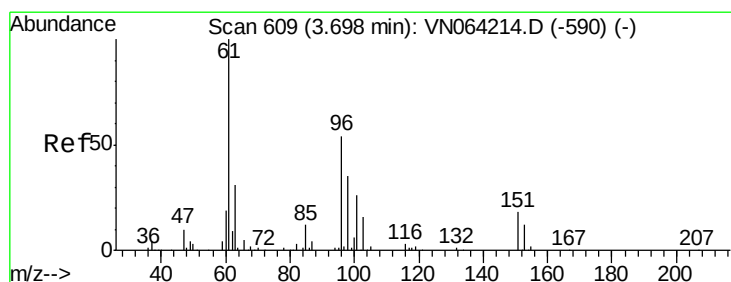
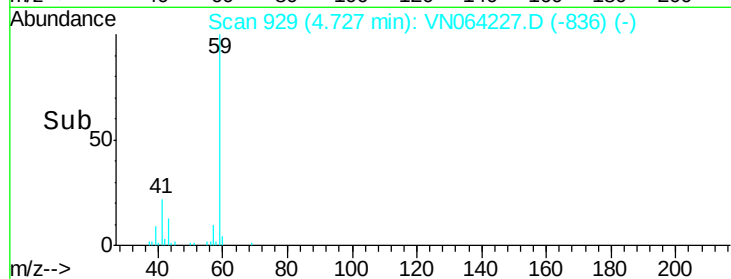
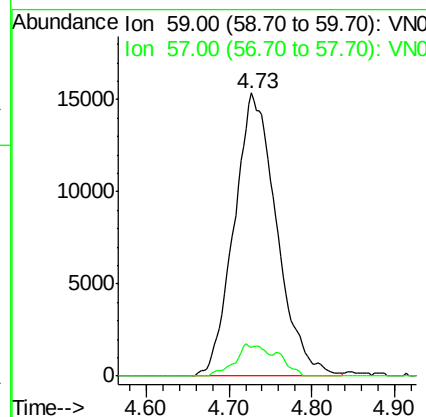
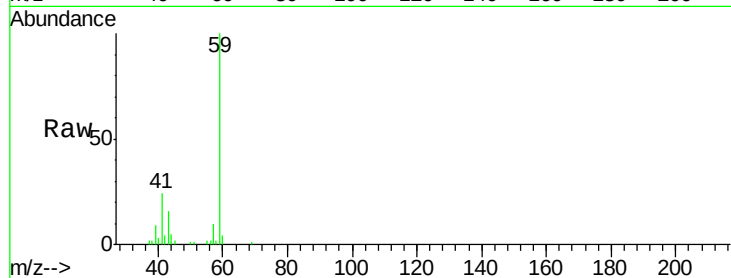
Tert butyl alcohol
 Concen: 102.810 ug/l
 RT: 4.73 min Scan# 929
 Delta R.T. -0.00 min
 Lab File: VN064227.D
 Acq: 21 Oct 2020 17:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1021MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	4.6	9.2	13.8#

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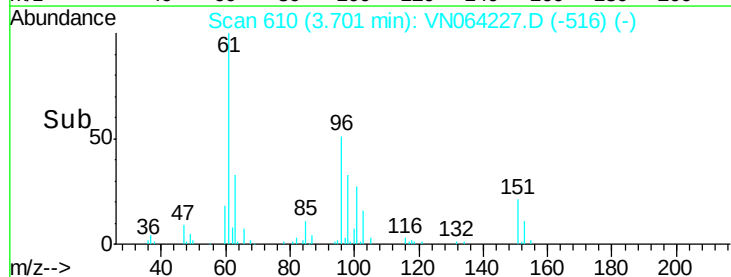
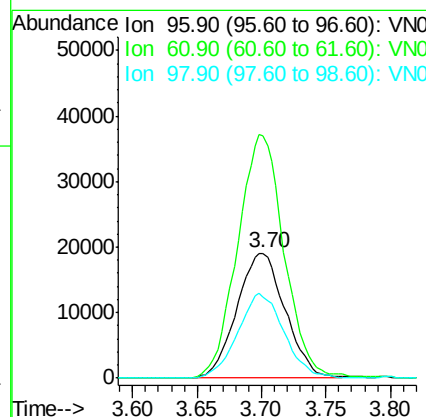
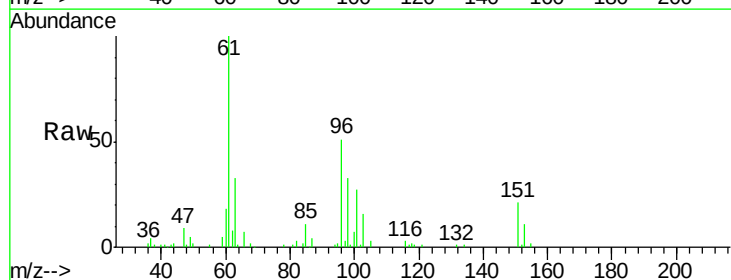
MMDadoda
 10/23/2020 2:10:18 PM

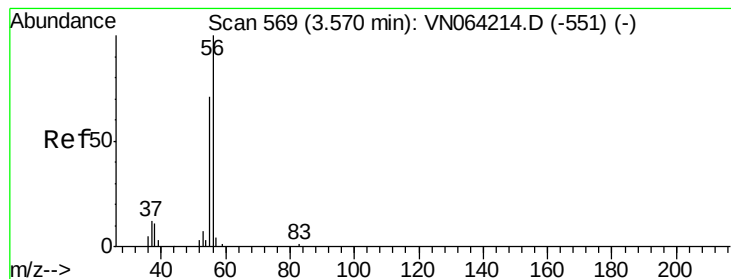


#12

1,1-Dichloroethene
 Concen: 19.809 ug/l
 RT: 3.70 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: VN064227.D
 Acq: 21 Oct 2020 17:32

Tgt Ion	Ratio	Lower	Upper
96	100		
61	193.5	147.0	220.4
98	65.1	51.7	77.5





#13

Acrolein

Concen: 90.431 ug/l

RT: 3.57 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN064227.D

Acq: 21 Oct 2020 17:32

Instrument :

MSVOA_N

ClientSampleId :

VN1021MBS01

Tot Ion: 56 Resp: 30210

Ion Ratio Lower Upper

56 100

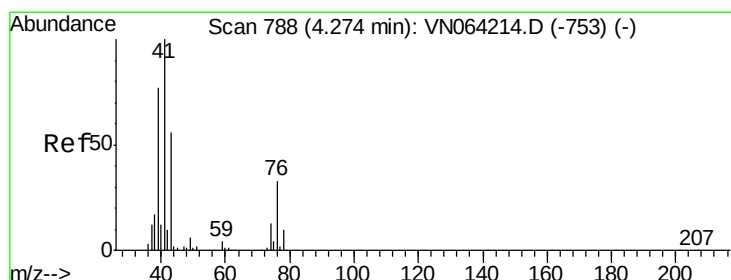
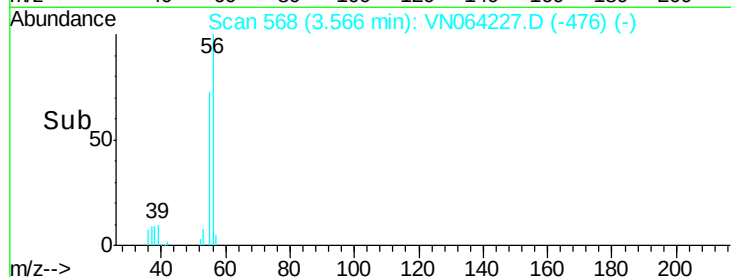
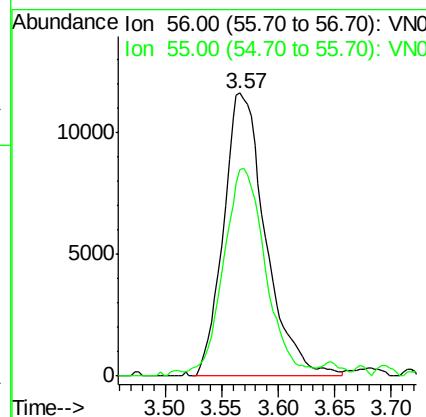
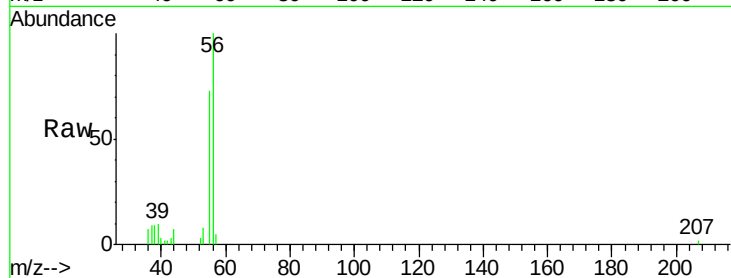
55 70.3 56.1 84.1

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#14

Allyl chloride

Concen: 20.500 ug/l

RT: 4.28 min Scan# 789

Delta R.T. 0.00 min

Lab File: VN064227.D

Acq: 21 Oct 2020 17:32

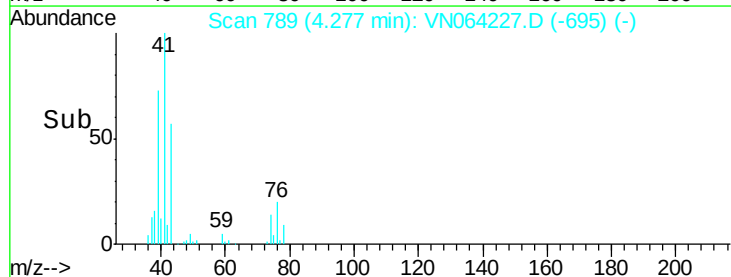
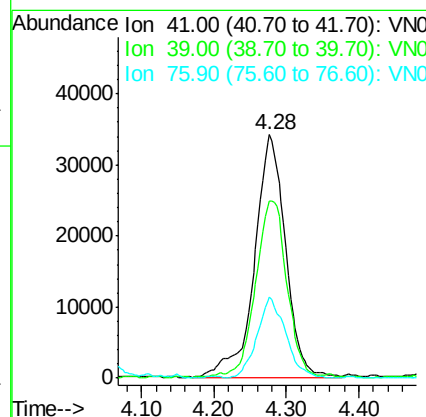
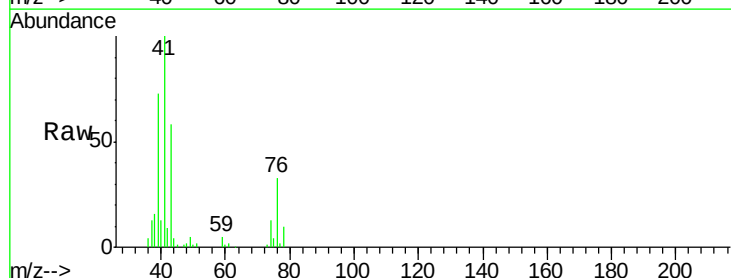
Tgt Ion: 41 Resp: 102944

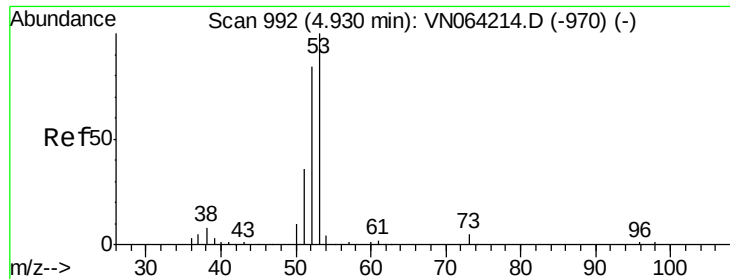
Ion Ratio Lower Upper

41 100

39 71.6 58.6 88.0

76 30.5 24.5 36.7





#15

Acrylonitrile

Concen: 101.702 ug/l

RT: 4.93 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN064227.D

Acq: 21 Oct 2020 17:32

Instrument :

MSVOA_N

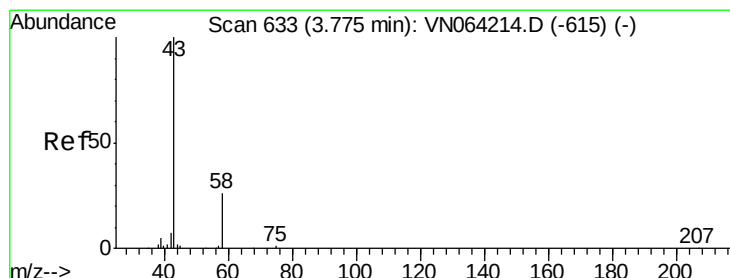
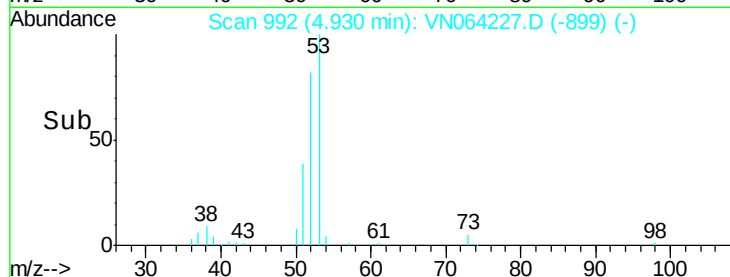
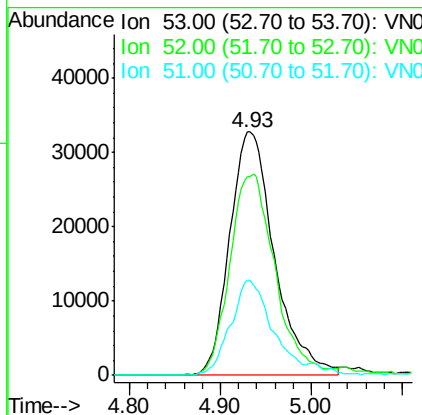
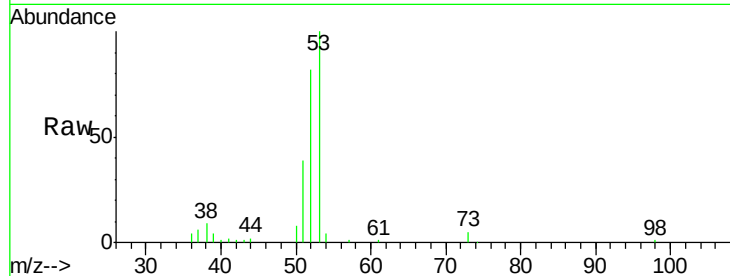
ClientSampleId :

VN1021MBS01

Tot Ion:	53	Resp:	111919
Ion	Ratio	Lower	Upper
53	100		
52	83.3	66.8	100.2
51	36.4	30.7	46.1

Manual Integrations
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#16

Acetone

Concen: 101.369 ug/l

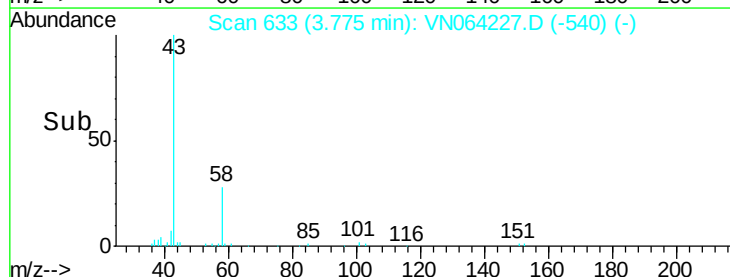
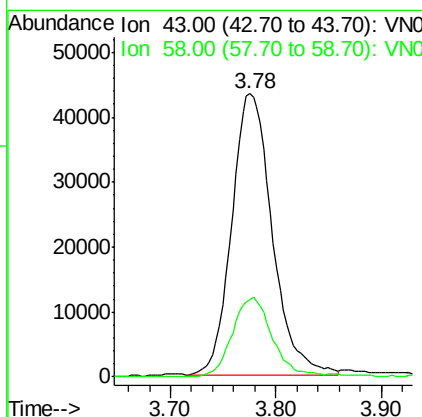
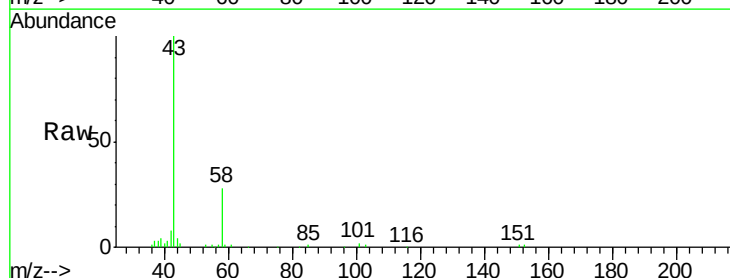
RT: 3.78 min Scan# 633

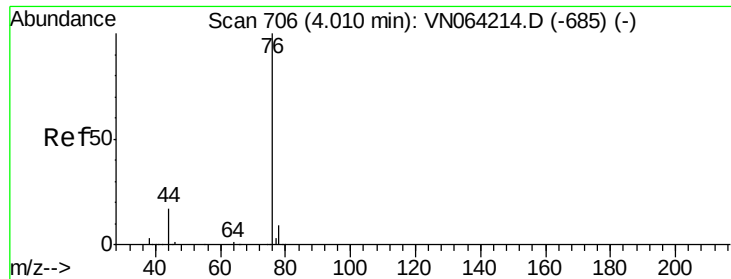
Delta R.T. -0.00 min

Lab File: VN064227.D

Acq: 21 Oct 2020 17:32

Tgt Ion:	43	Resp:	115311
Ion	Ratio	Lower	Upper
43	100		
58	27.7	21.0	31.4





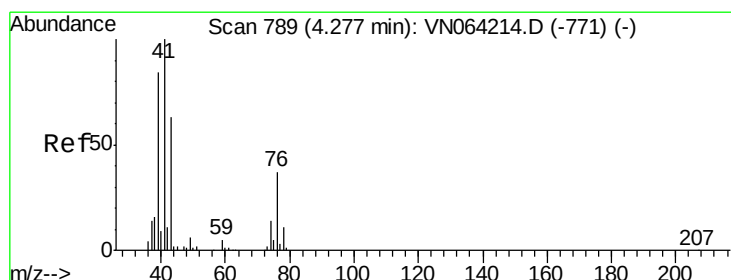
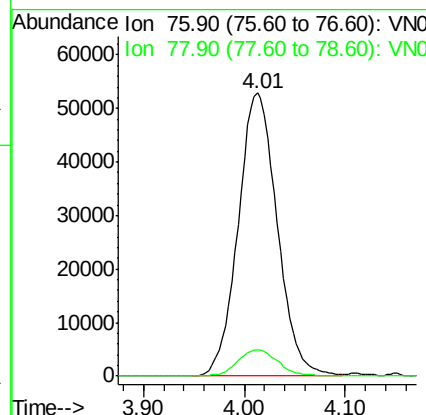
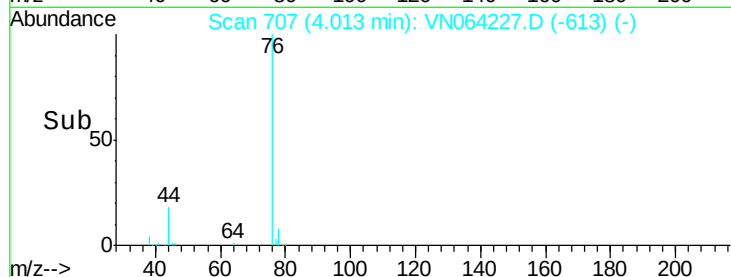
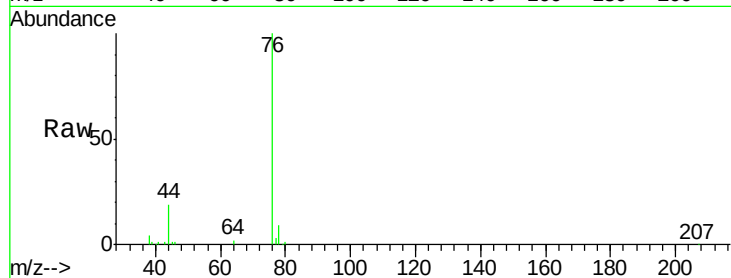
#17
Carbon Disulfide
Concen: 19.851 ug/l
RT: 4.01 min Scan# 707
Delta R.T. 0.00 min
Lab File: VN064227.D
Acq: 21 Oct 2020 17:32

Instrument :
MSVOA_N
ClientSampleId :
VN1021MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.1	10.7

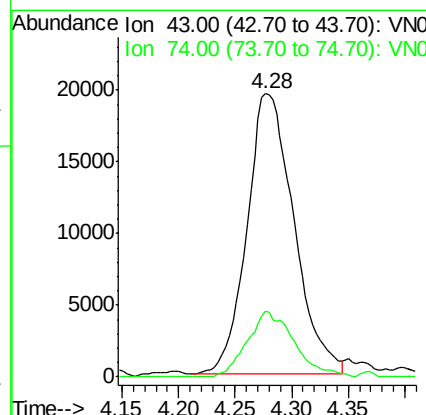
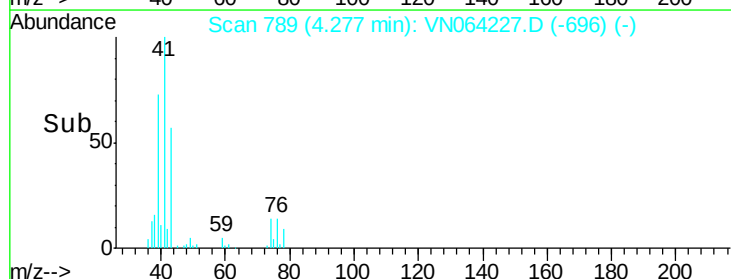
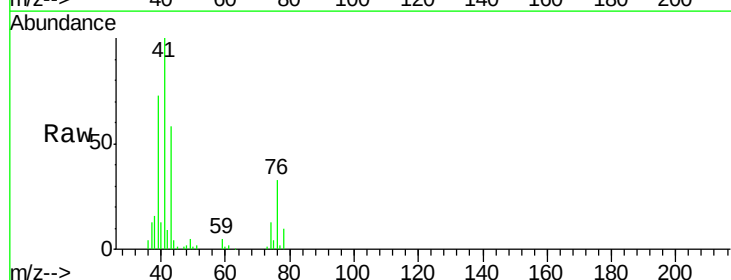
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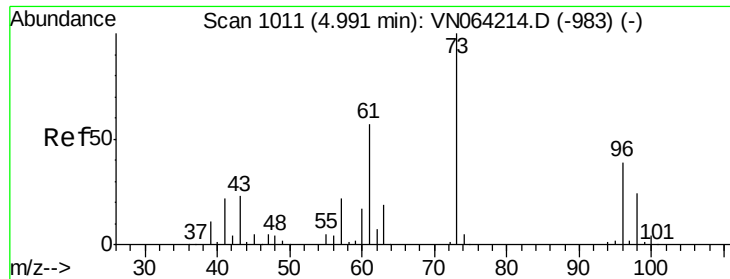
MMDadoda
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#18
Methyl Acetate
Concen: 19.477 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN064227.D
Acq: 21 Oct 2020 17:32

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.3	17.9	26.9





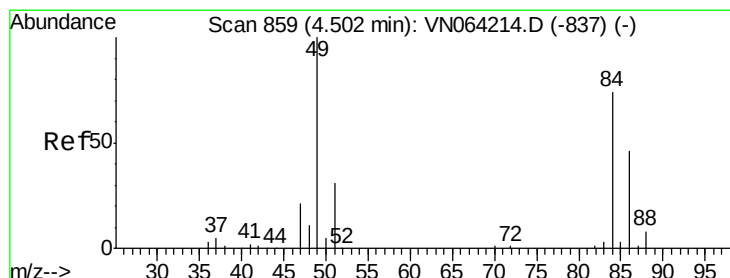
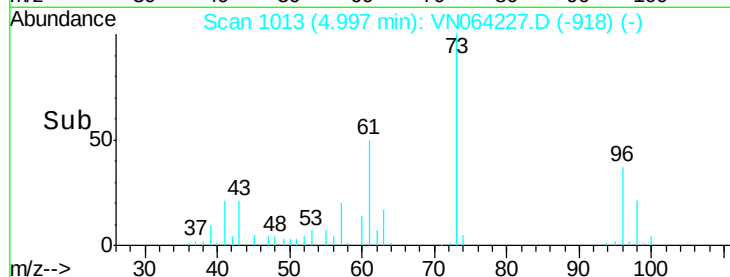
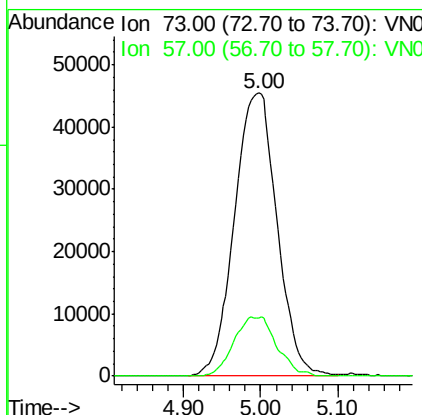
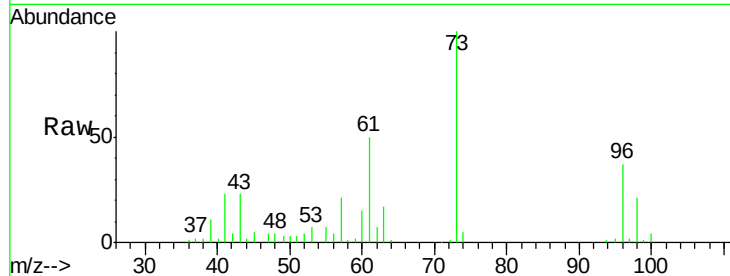
#19
Methyl tert-butyl Ether
Concen: 20.236 ug/l
RT: 5.00 min Scan# 1013
Delta R.T. 0.01 min
Lab File: VN064227.D
Acq: 21 Oct 2020 17:32

Instrument :
MSVOA_N
ClientSampleId :
VN1021MBS01

Tot Ion: 73 Resp: 174556
Ion Ratio Lower Upper
73 100
57 20.6 18.0 27.0

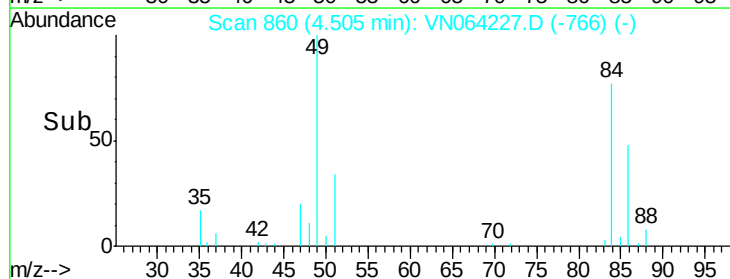
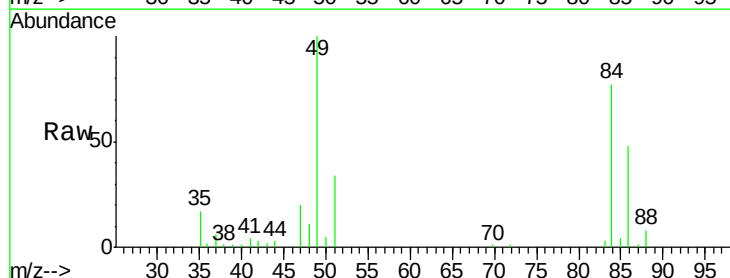
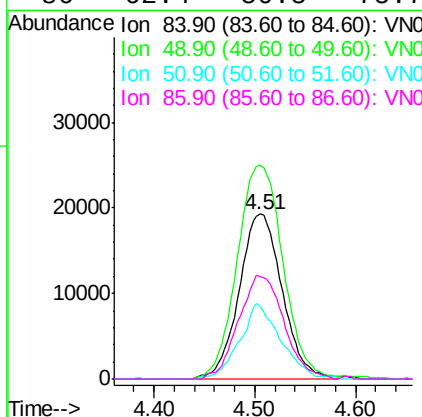
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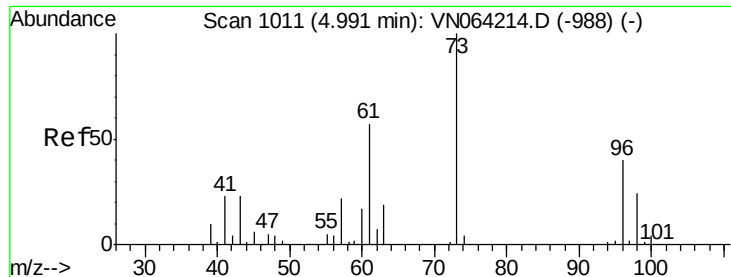
MMDadoda
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#20
Methylene Chloride
Concen: 18.868 ug/l
RT: 4.51 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN064227.D
Acq: 21 Oct 2020 17:32

Tgt Ion: 84 Resp: 57231
Ion Ratio Lower Upper
84 100
49 129.7 108.5 162.7
51 44.5 33.8 50.8
86 62.4 50.5 75.7





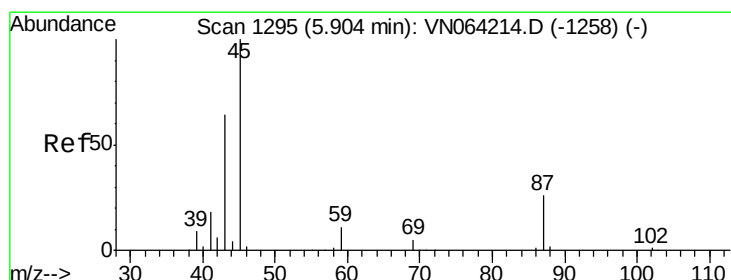
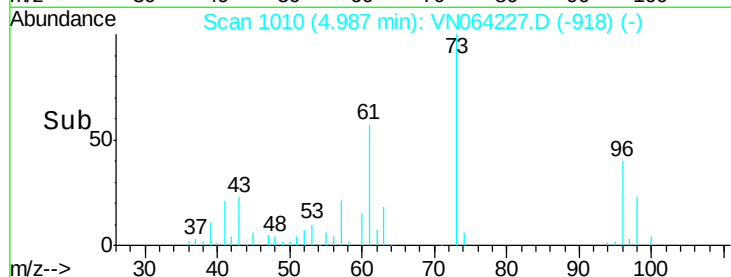
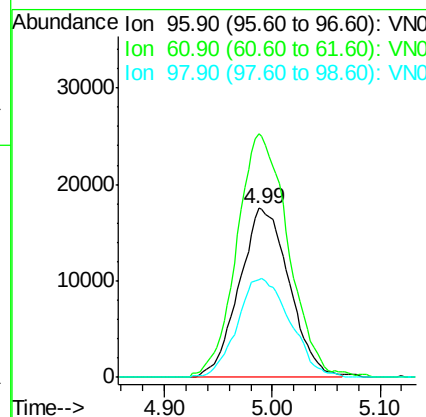
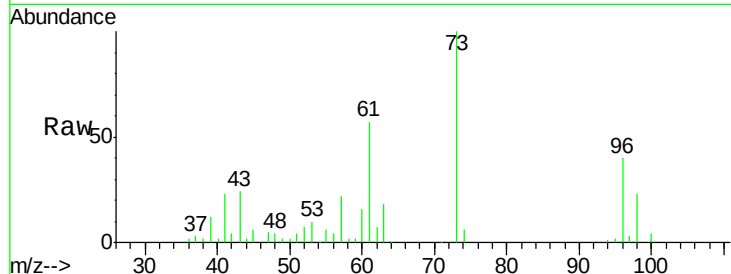
#21
trans-1,2-Dichloroethene
Concen: 20.360 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VN064227.D
Acq: 21 Oct 2020 17:32

Instrument :
MSVOA_N
ClientSampleId :
VN1021MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.5	115.8	173.6
98	56.3	49.4	74.0

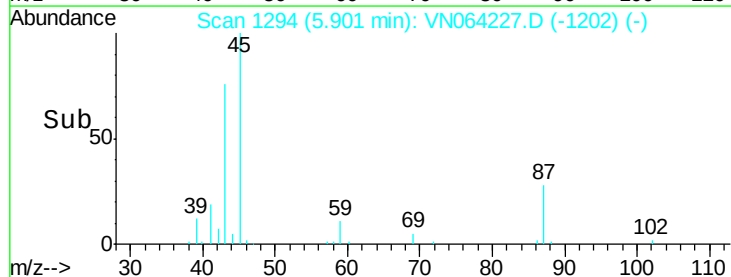
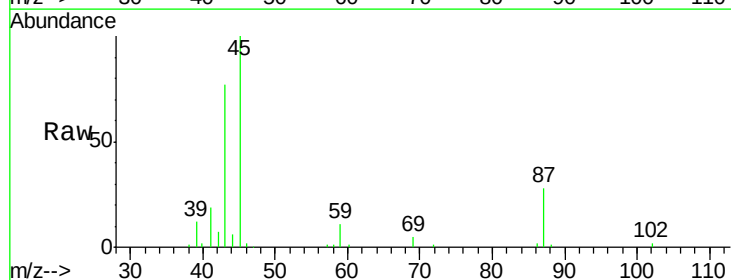
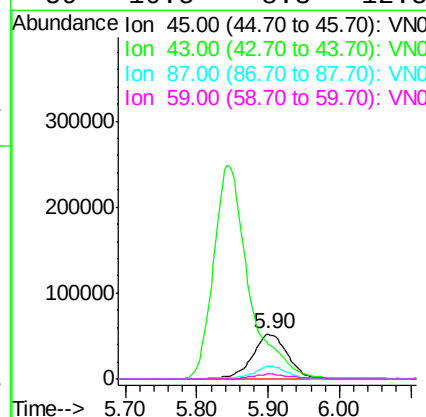
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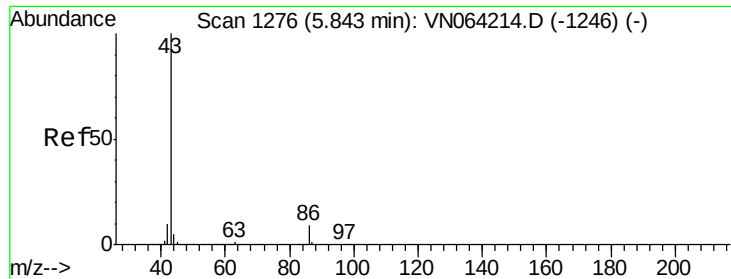
MMDadoda
10/23/2020 2:10:18 PM



#22
Diisopropyl ether
Concen: 19.155 ug/l
RT: 5.90 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VN064227.D
Acq: 21 Oct 2020 17:32

Tgt Ion	Ratio	Lower	Upper
45	100		
43	73.7	52.2	78.4
87	28.0	21.4	32.0
59	10.5	8.3	12.5





#23

Vinyl Acetate

Concen: 101.867 ug/l

RT: 5.84 min Scan# 1276

Delta R.T. -0.00 min

Lab File: VN064227.D

Acq: 21 Oct 2020 17:32

Instrument :

MSVOA_N

ClientSampleId :

VN1021MBS01

Tot Ion: 43 Resp: 848058

Ion Ratio Lower Upper

43 100

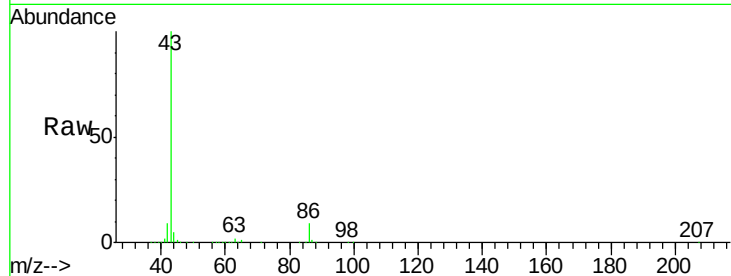
86 8.9 7.4 11.0

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Abundance Ion 43.00 (42.70 to 43.70): VN064227.D (-1183) (-)

Ion 86.00 (85.70 to 86.70): VN064227.D (-1183) (-)

5.84

250000

200000

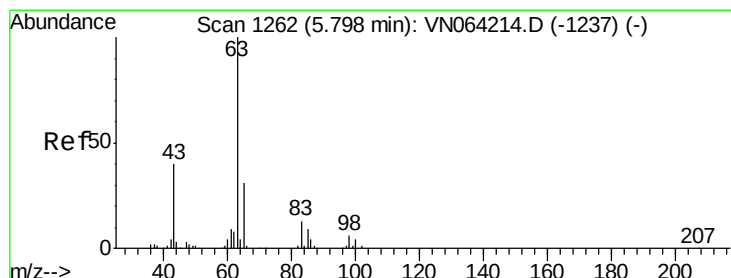
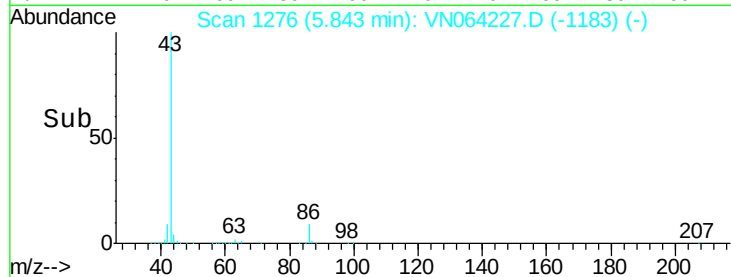
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.660 ug/l

RT: 5.80 min Scan# 1264

Delta R.T. 0.01 min

Lab File: VN064227.D

Acq: 21 Oct 2020 17:32

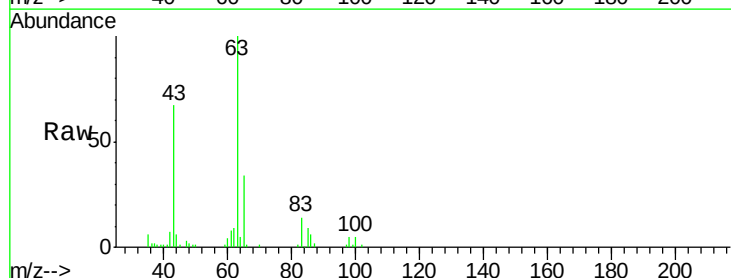
Tgt Ion: 63 Resp: 111730

Ion Ratio Lower Upper

63 100

98 5.1 2.9 8.7

100 4.8 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN064227.D (-1169) (-)

Ion 97.90 (97.60 to 98.60): VN064227.D (-1169) (-)

Ion 99.90 (99.60 to 100.60): VN064227.D (-1169) (-)

5.80

40000

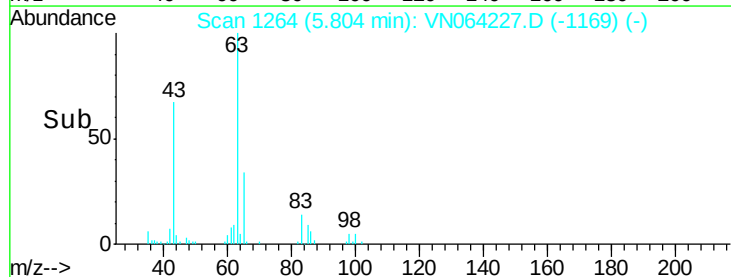
30000

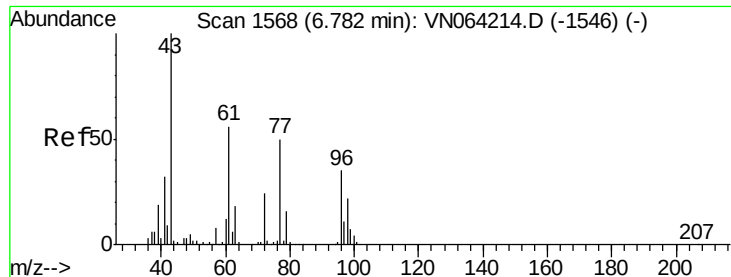
20000

10000

0

Time-->





#25

2-Butanone

Concen: 101.715 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN064227.D

Acq: 21 Oct 2020 17:32

Instrument :

MSVOA_N

ClientSampleId :

VN1021MBS01

Tot Ion: 43 Resp: 183827

Ion Ratio Lower Upper

43 100

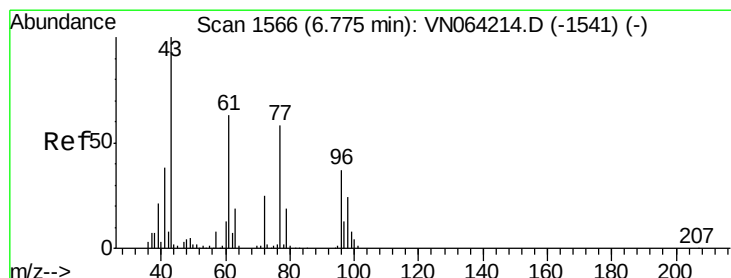
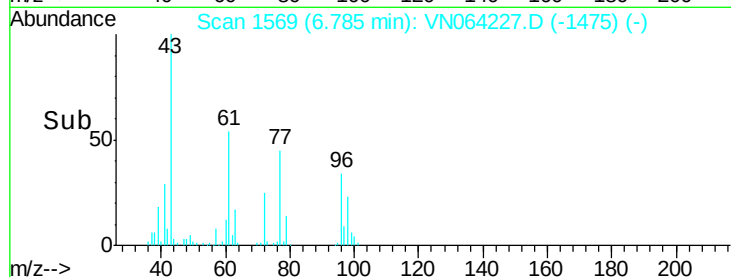
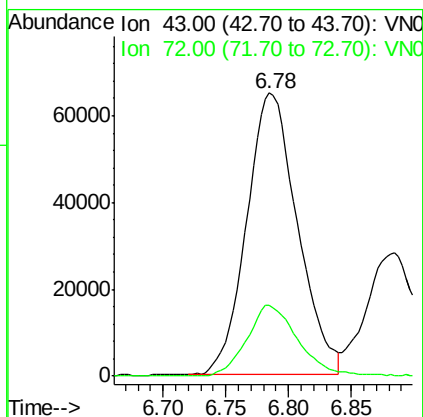
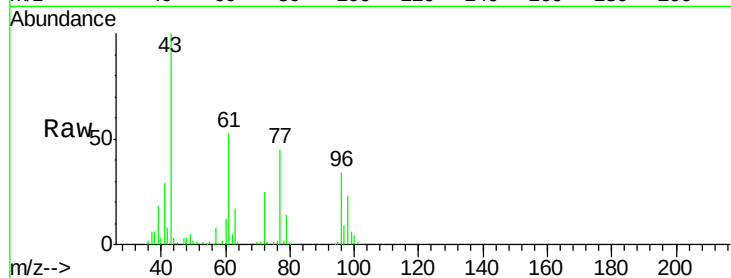
72 25.3 19.4 29.0

Manual Integrations

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MMDadoda

10/23/2020 2:10:18 PM



#26

2,2-Dichloropropane

Concen: 19.327 ug/l

RT: 6.77 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN064227.D

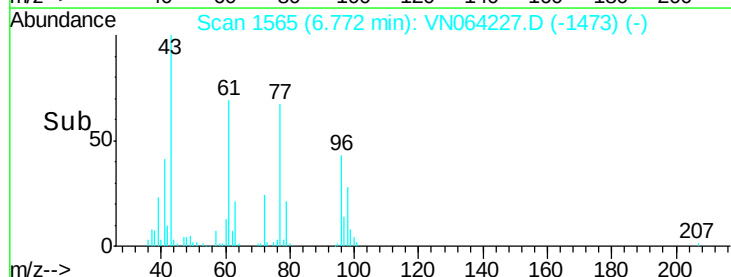
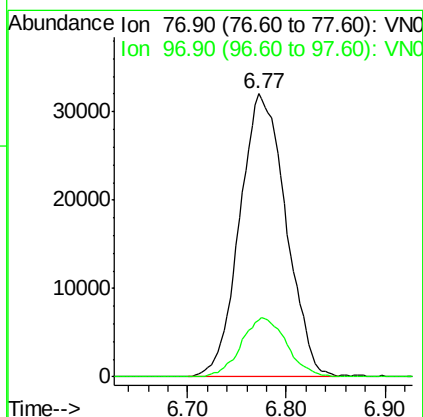
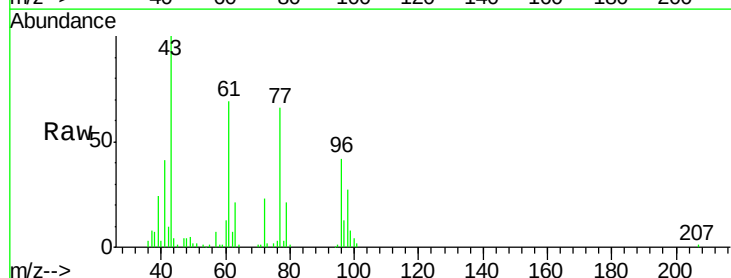
Acq: 21 Oct 2020 17:32

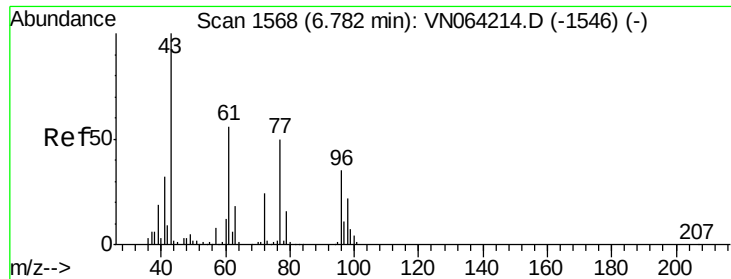
Tgt Ion: 77 Resp: 104055

Ion Ratio Lower Upper

77 100

97 20.5 10.4 31.4





#27

cis-1,2-Dichloroethene

Concen: 20.383 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VN064227.D

Acq: 21 Oct 2020 17:32

Instrument :

MSVOA_N

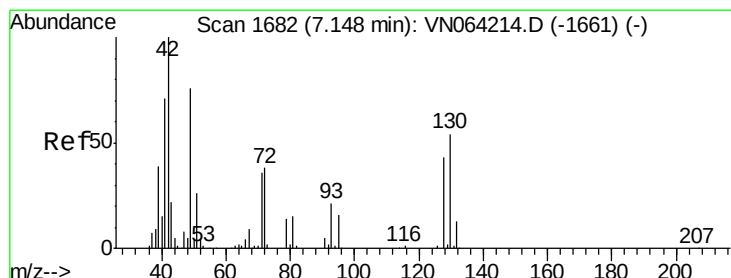
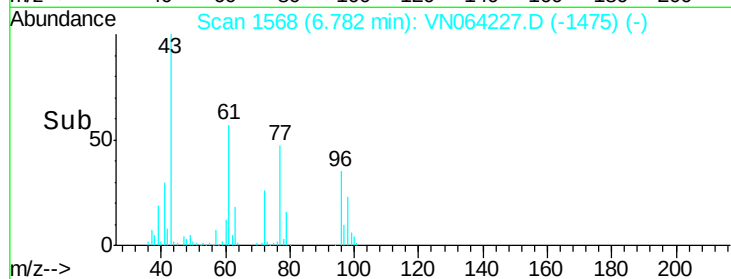
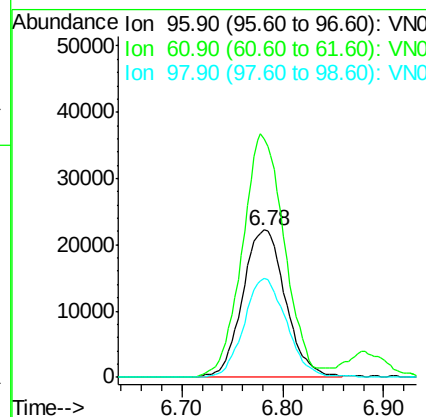
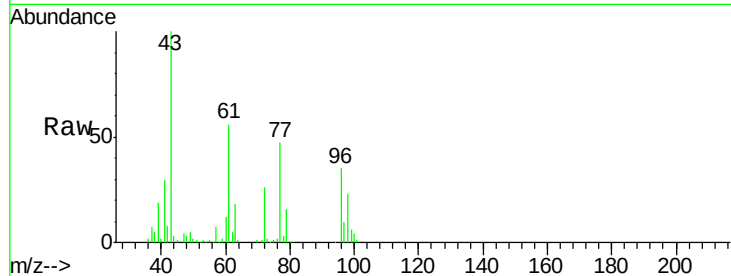
ClientSampleId :

VN1021MBS01

Tot Ion:	96	Resp:	65676
Ion	Ratio	Lower	Upper
96	100		
61	161.1	0.0	330.0
98	65.9	0.0	130.6

Manual Integrations
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#28

Bromochloromethane

Concen: 18.995 ug/l

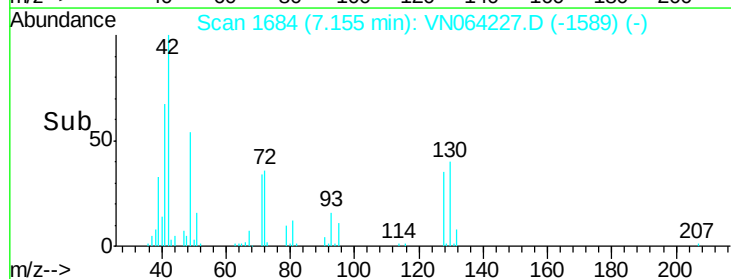
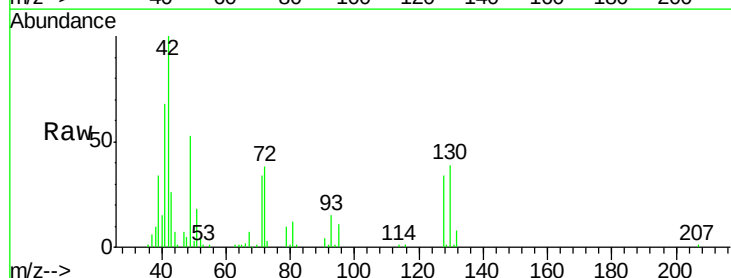
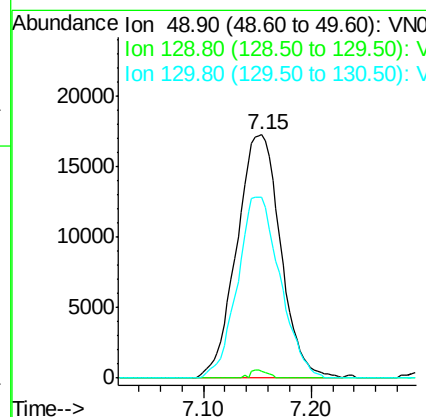
RT: 7.15 min Scan# 1684

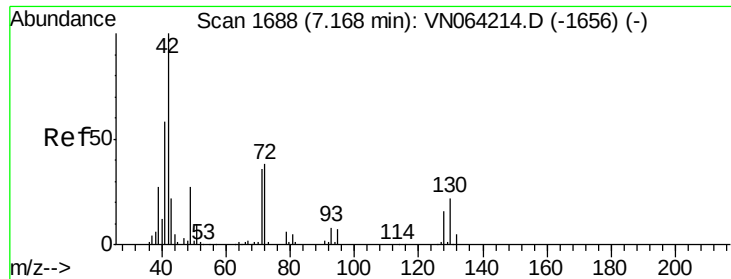
Delta R.T. 0.01 min

Lab File: VN064227.D

Acq: 21 Oct 2020 17:32

Tgt Ion:	49	Resp:	48801
Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	2.8
130	72.3	58.8	88.2





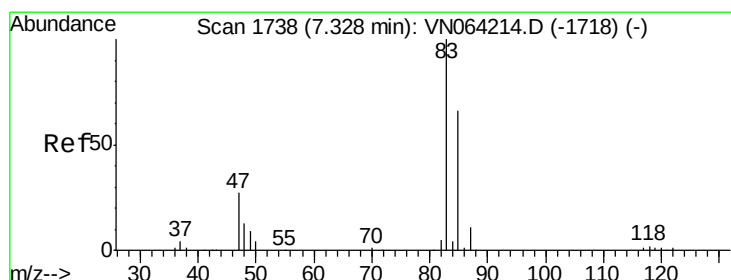
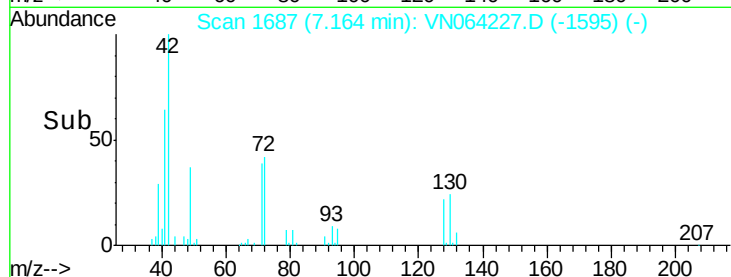
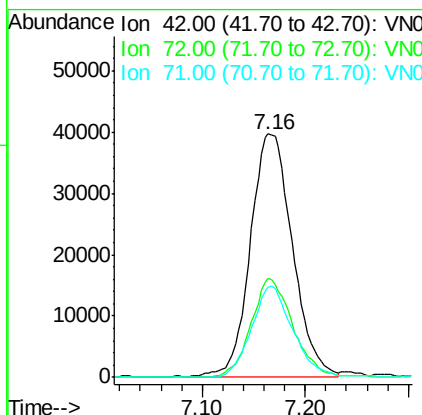
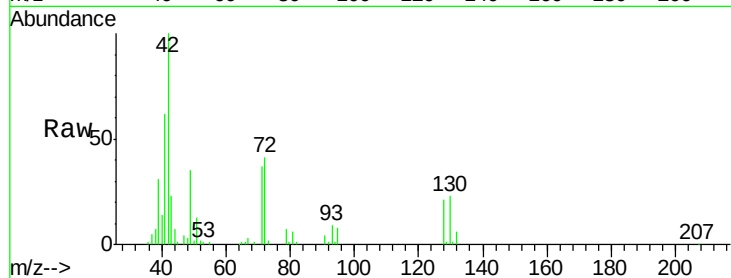
#29
Tetrahydrofuran
Concen: 104.376 ug/l
RT: 7.16 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VN064227.D
Acq: 21 Oct 2020 17:32

Instrument :
MSVOA_N
ClientSampleId :
VN1021MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.0	30.8	46.2
71	36.6	29.0	43.6

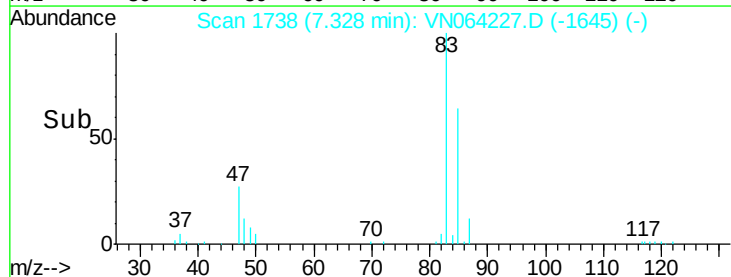
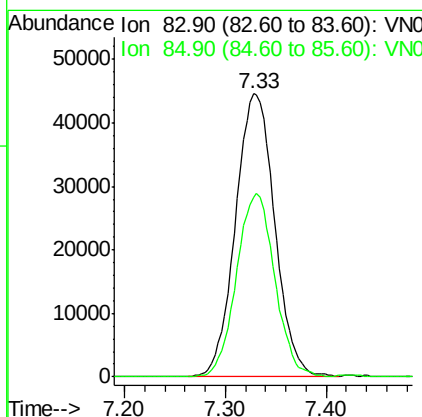
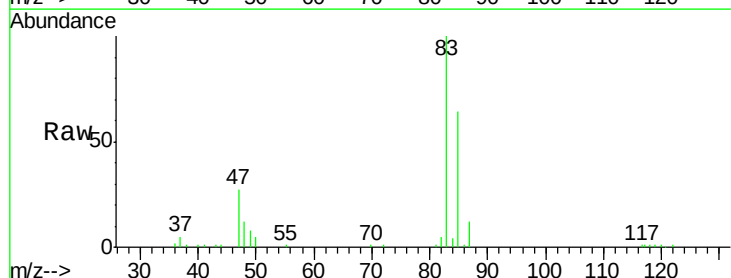
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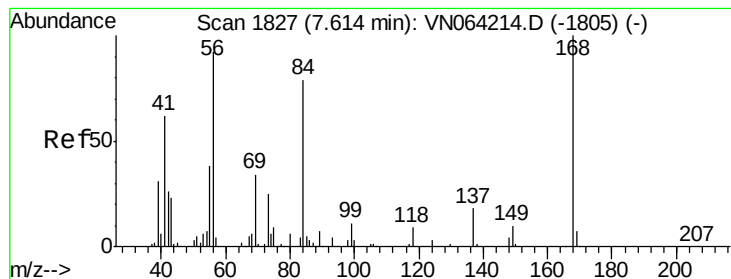
MMDadoda
10/23/2020 2:10:18 PM



#30
Chloroform
Concen: 20.851 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN064227.D
Acq: 21 Oct 2020 17:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	52.5	78.7





#31

Cyclohexane

Concen: 18.864 ug/l

RT: 7.62 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN064227.D

Acq: 21 Oct 2020 17:32

Instrument :

MSVOA_N

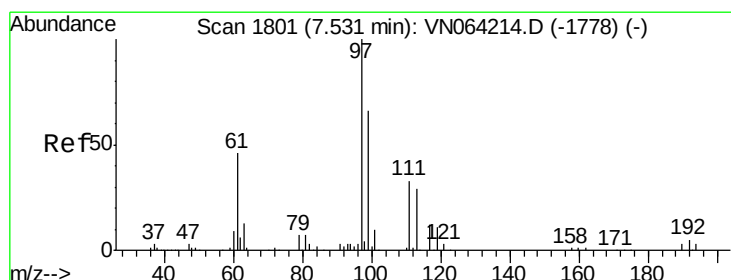
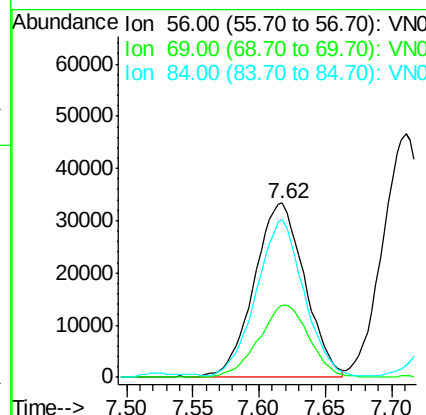
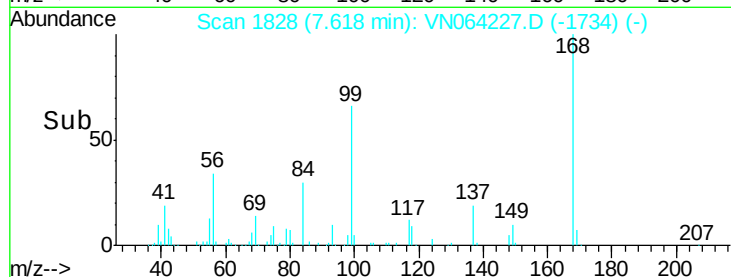
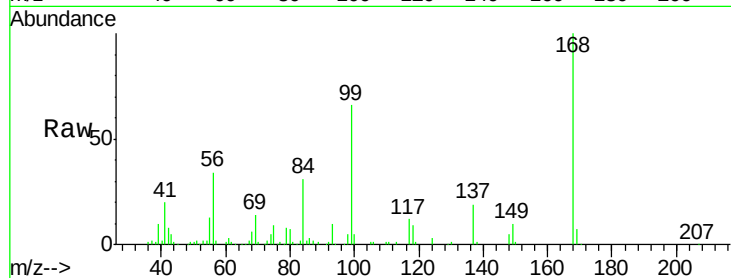
ClientSampleId :

VN1021MBS01

Tot Ion	56	Resp	88906
Ion	Ratio	Lower	Upper
56	100		
69	41.8	29.8	44.6
84	89.1	68.1	102.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.495 ug/l

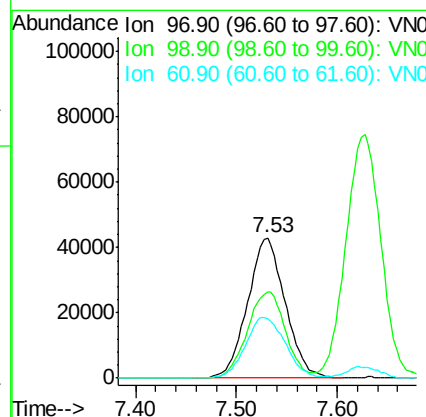
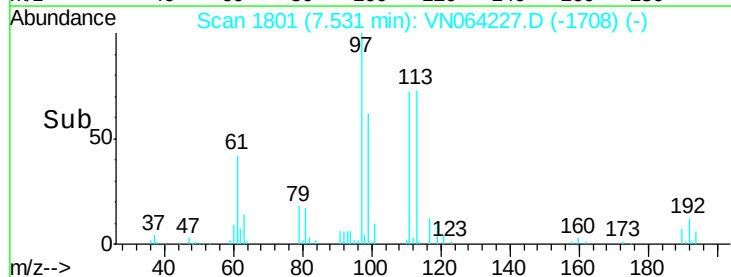
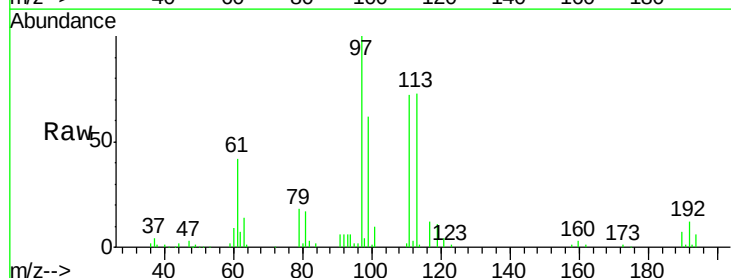
RT: 7.53 min Scan# 1801

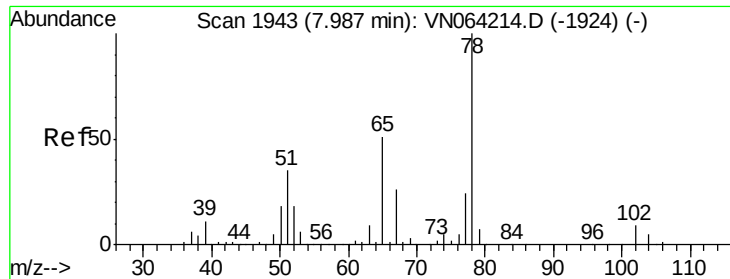
Delta R.T. -0.00 min

Lab File: VN064227.D

Acq: 21 Oct 2020 17:32

Tgt Ion	97	Resp	110754
Ion	Ratio	Lower	Upper
97	100		
99	62.6	51.2	76.8
61	45.9	36.3	54.5





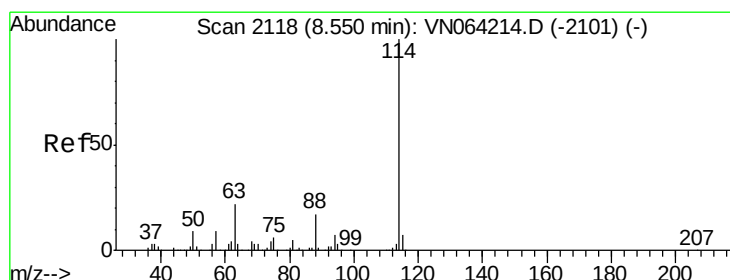
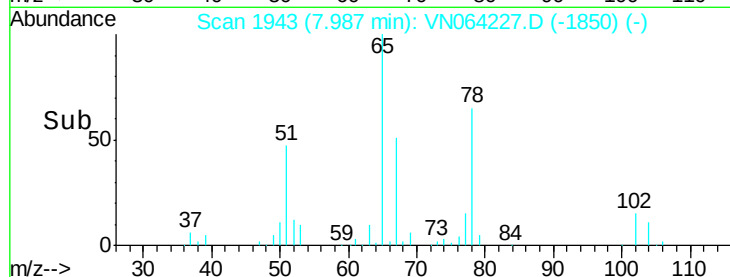
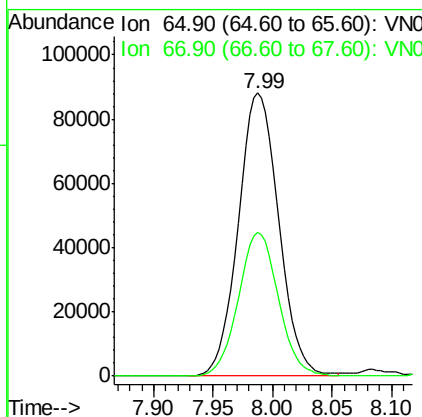
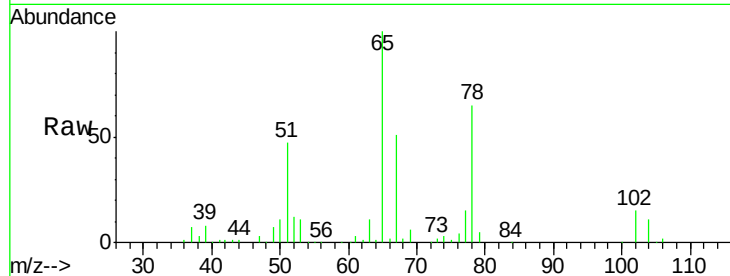
#33
 1,2-Dichloroethane-d4
 Concen: 52.266 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN064227.D
 Acq: 21 Oct 2020 17:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1021MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	207790		
67	50.3	0.0	100.2	

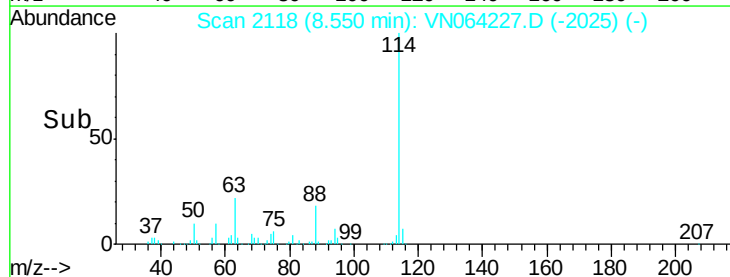
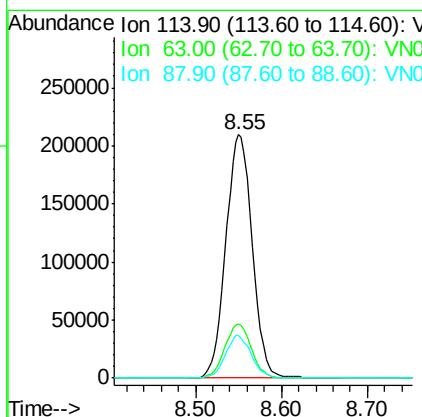
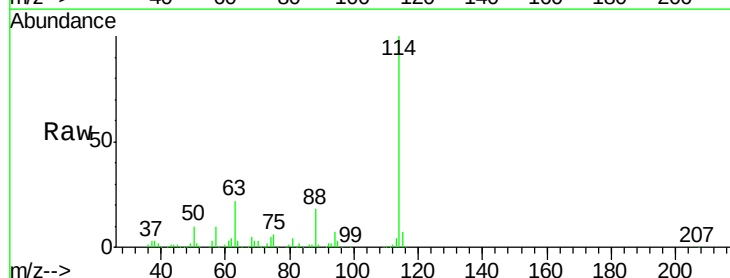
Manual Integrations
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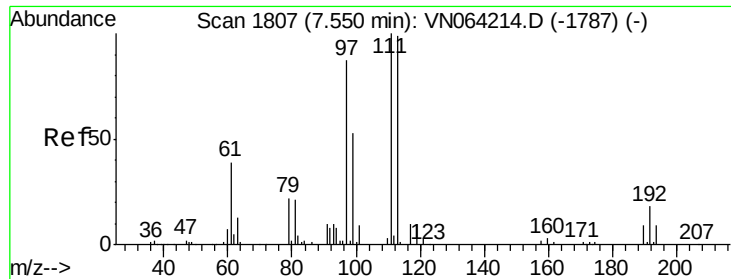
MMDadoda
 10/23/2020 2:10:18 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN064227.D
 Acq: 21 Oct 2020 17:32

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	445738		
63	22.1	0.0	44.0	
88	17.8	0.0	34.2	





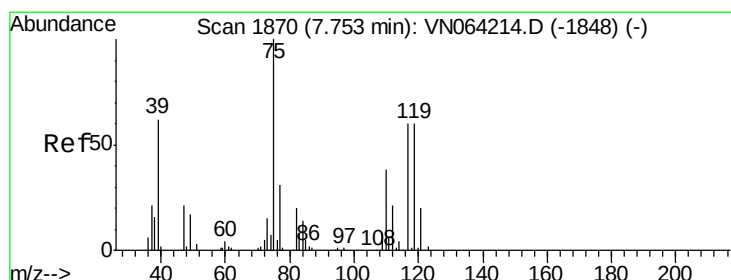
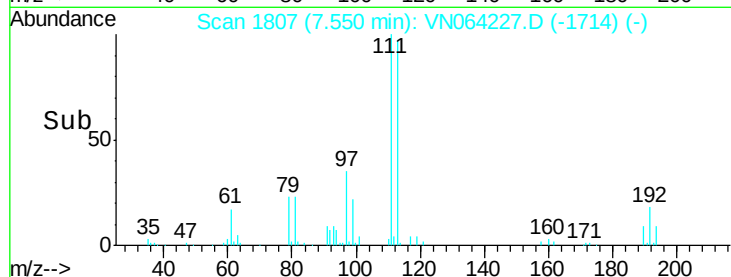
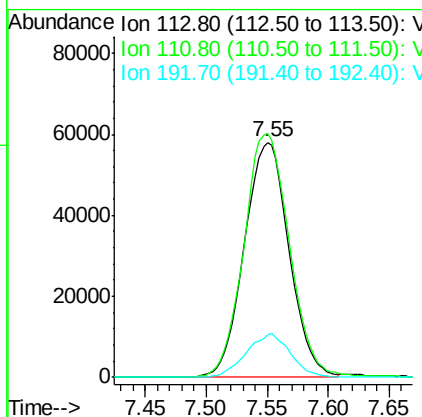
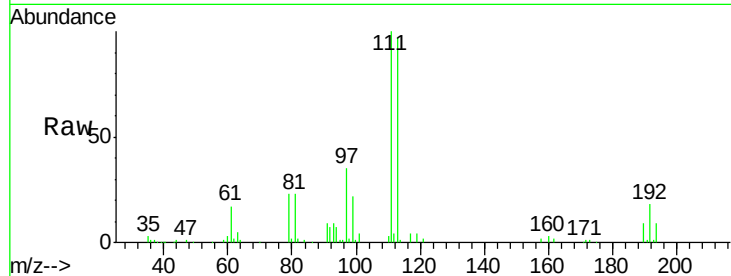
#35
Dibromofluoromethane
Concen: 49.586 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. -0.00 min
Lab File: VN064227.D
Acq: 21 Oct 2020 17:32

Instrument :
MSVOA_N
ClientSampleId :
VN1021MBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	146948		
111	105.6	84.2	126.2	
192	18.4	15.2	22.8	

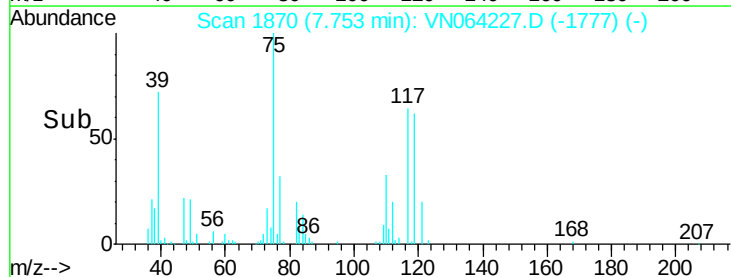
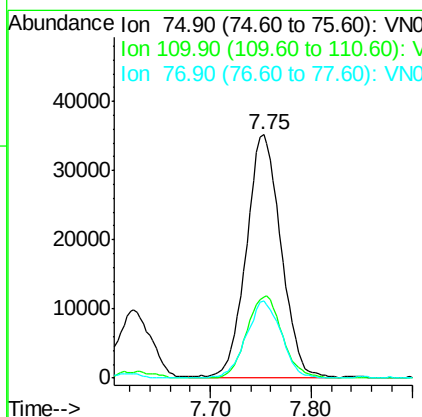
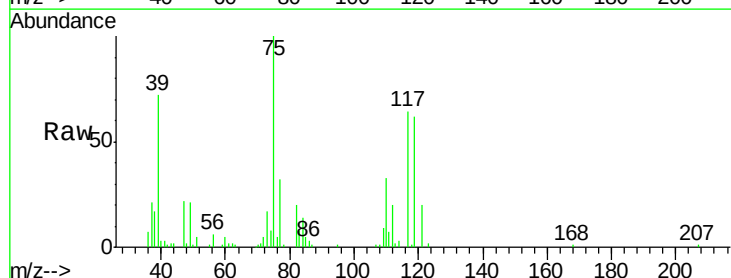
Manual Integrations
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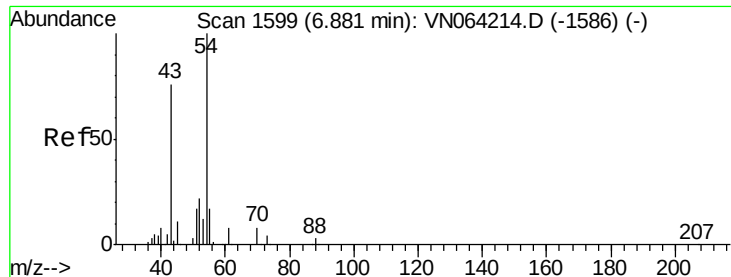
MMDadoda
10/23/2020 2:10:18 PM



#36
1,1-Dichloropropene
Concen: 18.987 ug/l
RT: 7.75 min Scan# 1870
Delta R.T. -0.00 min
Lab File: VN064227.D
Acq: 21 Oct 2020 17:32

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	84375		
110	34.1	17.2	51.6	
77	31.7	24.9	37.3	





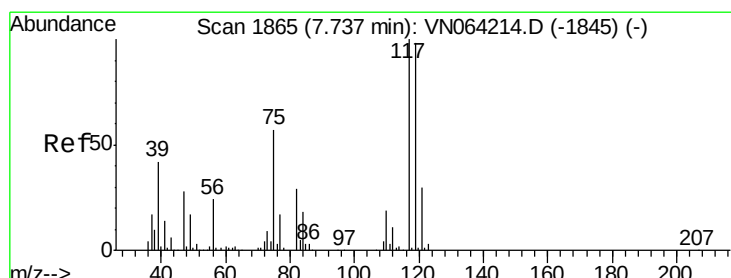
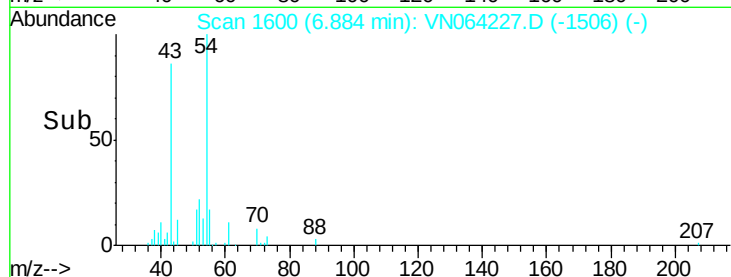
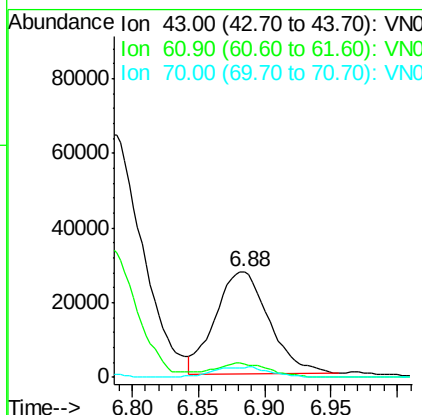
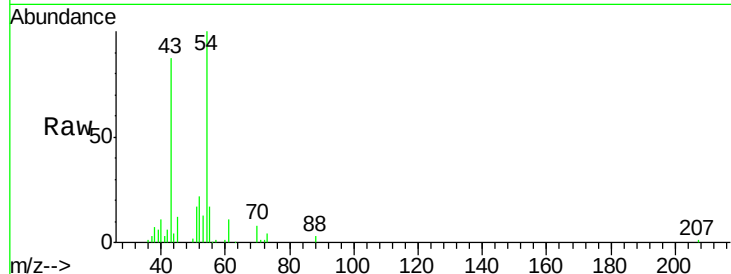
#37
Ethyl Acetate
Concen: 19.097 ug/l
RT: 6.88 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VN064227.D
Acq: 21 Oct 2020 17:32

Instrument :
MSVOA_N
ClientSampleId :
VN1021MBS01

Tot Ion	43	Ratio	Lower	Upper
43	100			
61	13.1	10.0	15.0	
70	10.8	7.5	11.3	

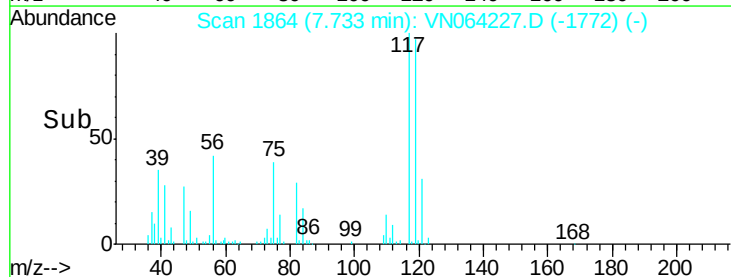
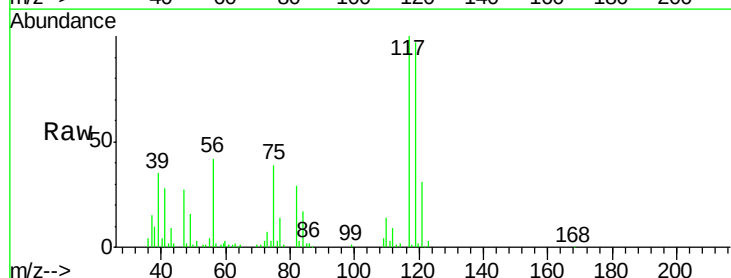
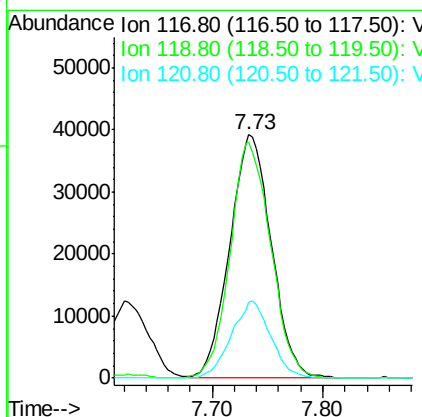
Manual Integrations
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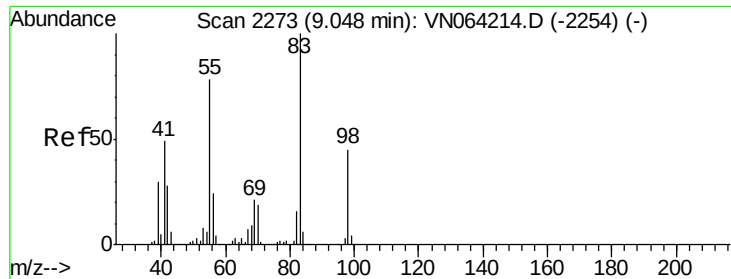
MMDadoda
10/23/2020 2:10:18 PM



#38
Carbon Tetrachloride
Concen: 20.260 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN064227.D
Acq: 21 Oct 2020 17:32

Tgt Ion	117	Ratio	Lower	Upper
117	100			
119	96.7	78.5	117.7	
121	31.3	24.3	36.5	





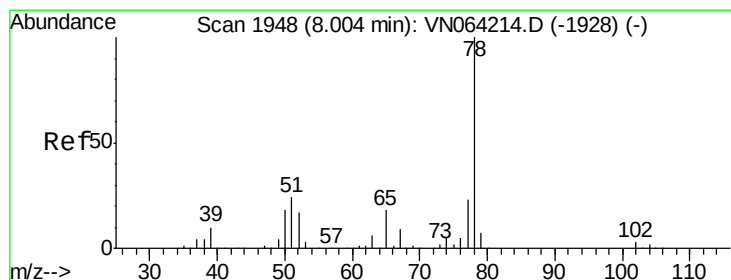
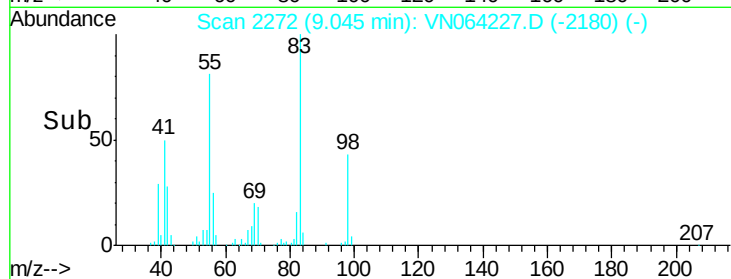
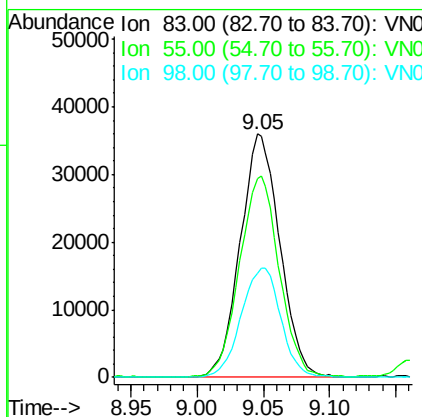
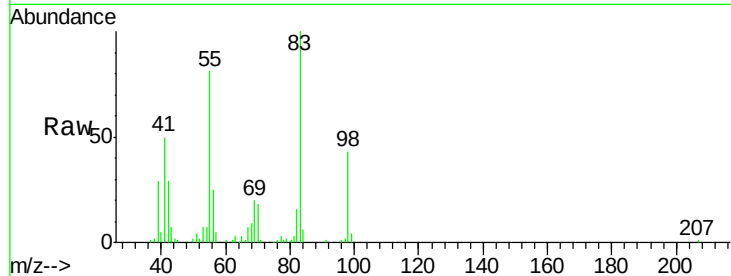
#39
Methylvlcyclohexane
Concen: 18.504 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN064227.D
Acq: 21 Oct 2020 17:32

Instrument :
MSVOA_N
ClientSampleId :
VN1021MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.0	62.2	93.2
98	42.9	35.9	53.9

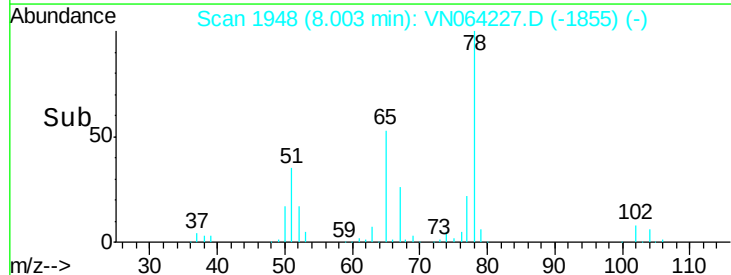
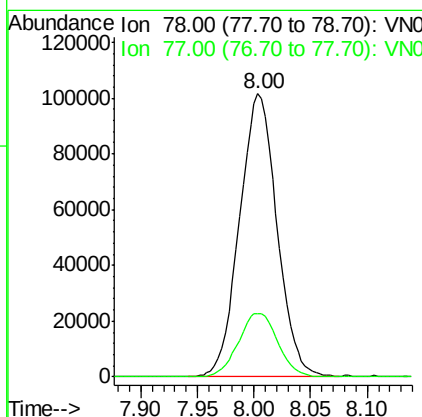
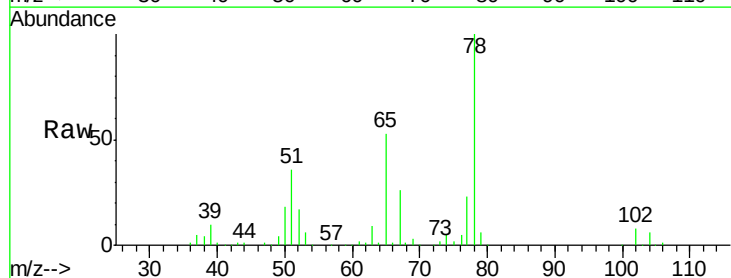
Manual Integrations
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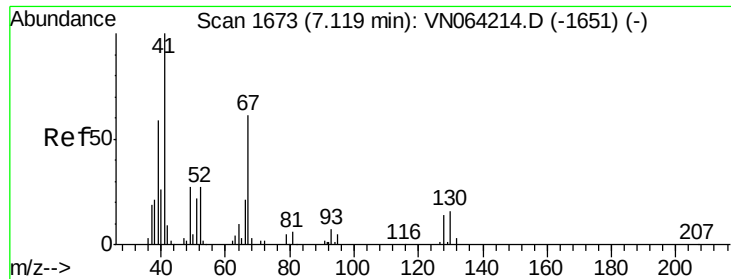
MMDadoda
10/23/2020 2:10:18 PM



#40
Benzene
Concen: 19.107 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VN064227.D
Acq: 21 Oct 2020 17:32

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.5	18.3	27.5





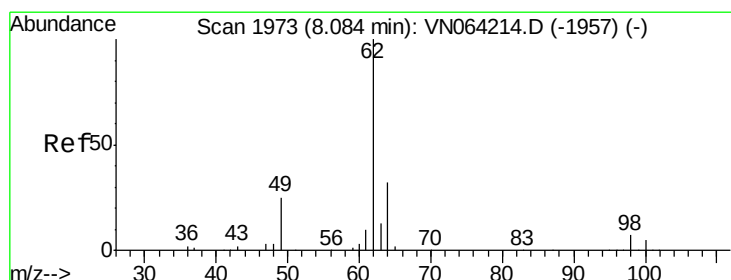
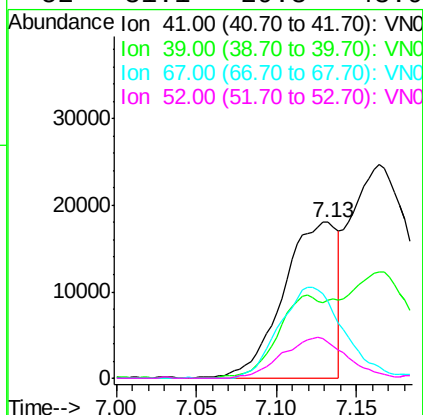
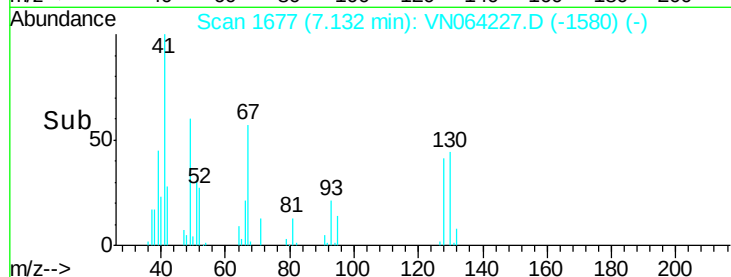
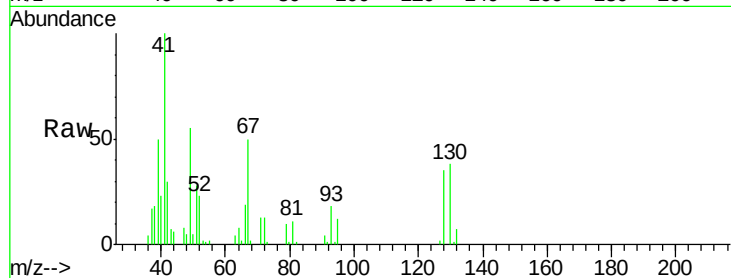
#41
Methacrylonitrile
Concen: 20.122 ug/l
RT: 7.13 min Scan# 1677
Delta R.T. 0.01 min
Lab File: VN064227.D
Acq: 21 Oct 2020 17:32

Instrument :
MSVOA_N
ClientSampleId :
VN1021MBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	43.1	50.5	75.7#	
67	69.3	63.2	94.8	
52	31.1	29.3	43.9	

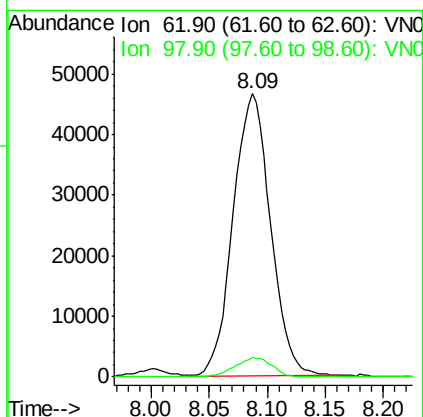
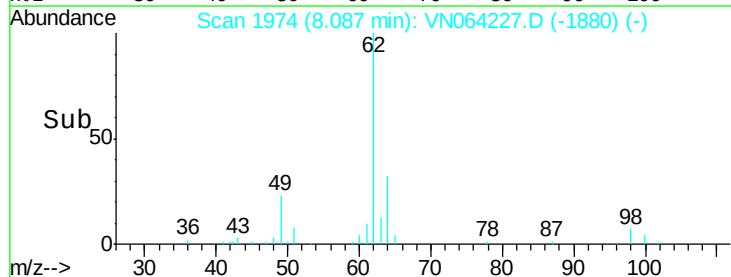
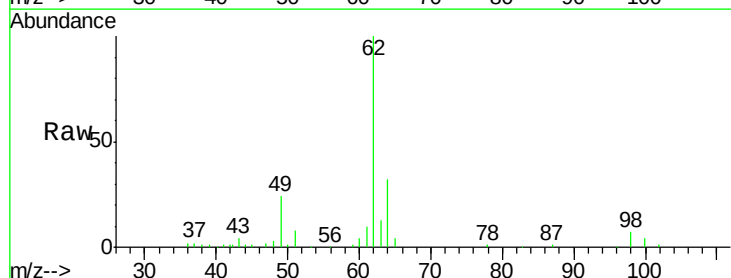
Manual Integrations
APPROVED

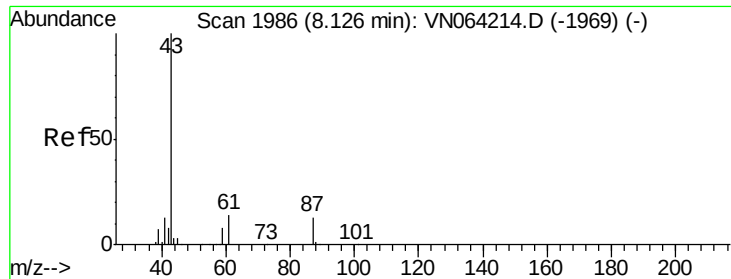
MMDadoda
10/23/2020 2:10:18 PM



#42
1,2-Dichloroethane
Concen: 19.955 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN064227.D
Acq: 21 Oct 2020 17:32

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	6.6	0.0	15.0	





#43

Isopropyl Acetate

Concen: 19.771 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN064227.D

Acq: 21 Oct 2020 17:32

Instrument :

MSVOA_N

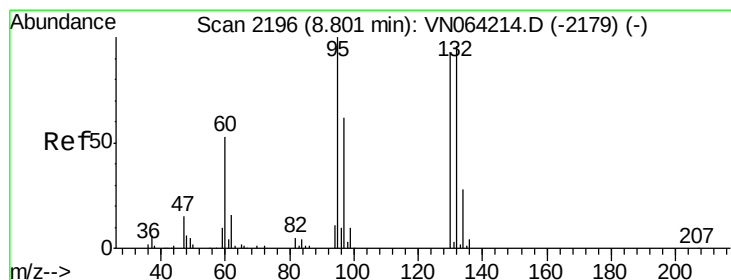
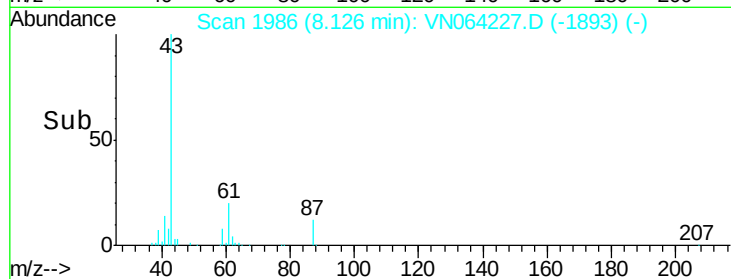
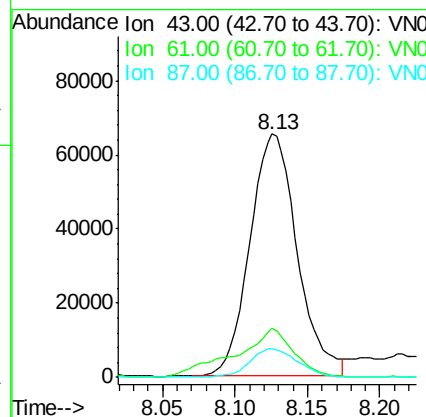
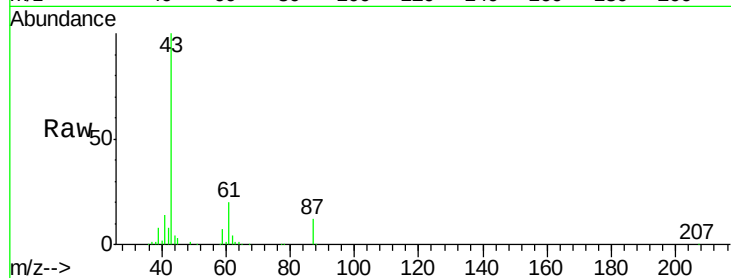
ClientSampleId :

VN1021MBS01

Tot Ion:	43	Resp:	148662
Ion	Ratio	Lower	Upper
43	100		
61	25.0	19.6	29.4
87	11.8	9.8	14.6

Manual Integrations
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MMDadoda
10/23/2020 2:10:18 PM



#44

Trichloroethene

Concen: 18.949 ug/l

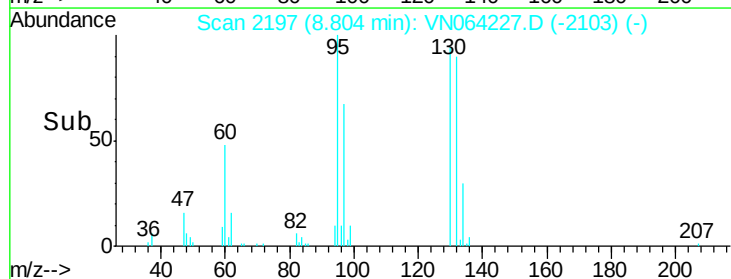
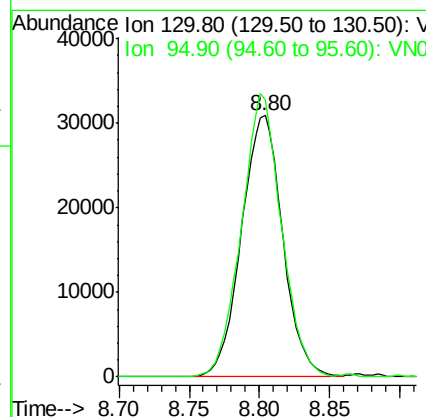
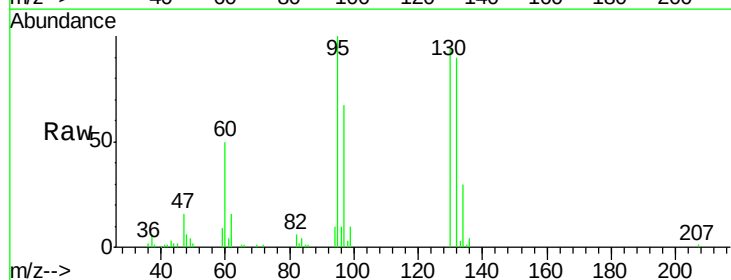
RT: 8.80 min Scan# 2197

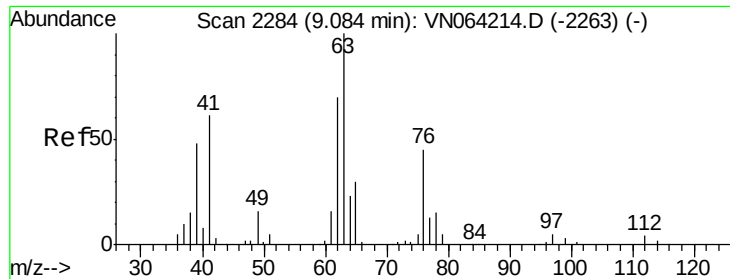
Delta R.T. 0.00 min

Lab File: VN064227.D

Acq: 21 Oct 2020 17:32

Tgt Ion:	130	Resp:	63342
Ion	Ratio	Lower	Upper
130	100		
95	106.2	0.0	214.0





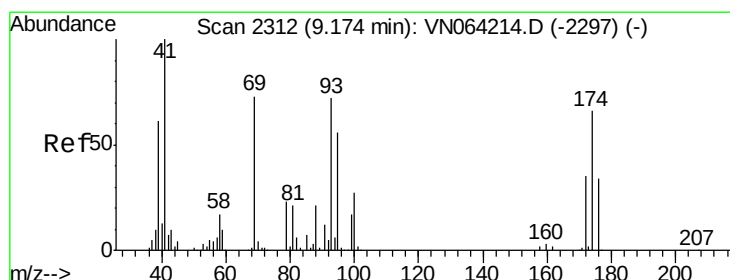
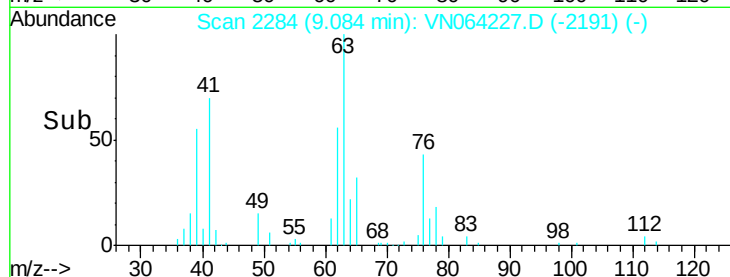
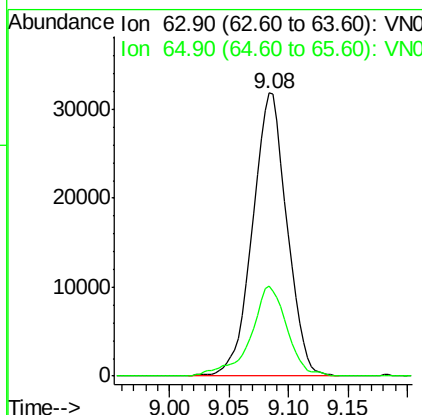
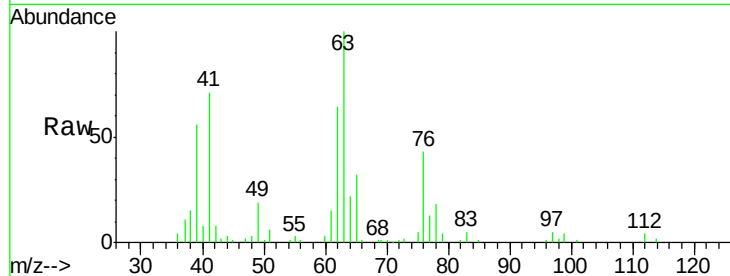
#45
 1,2-Dichloropropane
 Concen: 19.455 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN064227.D
 Acq: 21 Oct 2020 17:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1021MBS01

Tot Ion: 63 Resp: 63712
 Ion Ratio Lower Upper
 63 100
 65 31.9 24.0 36.0

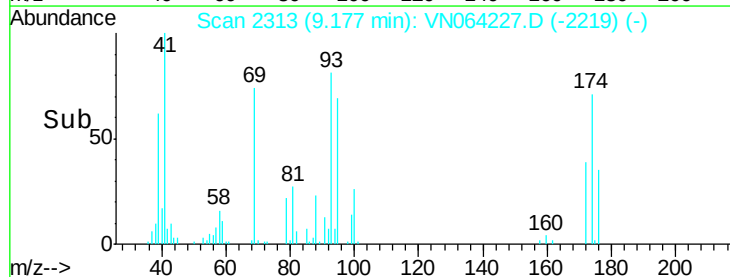
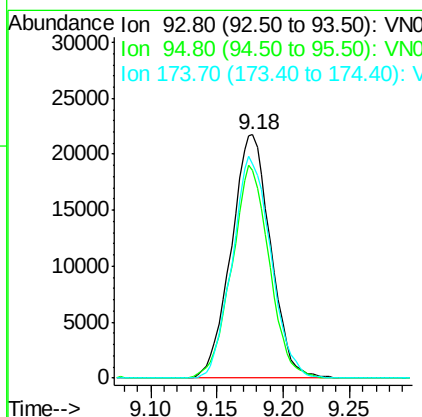
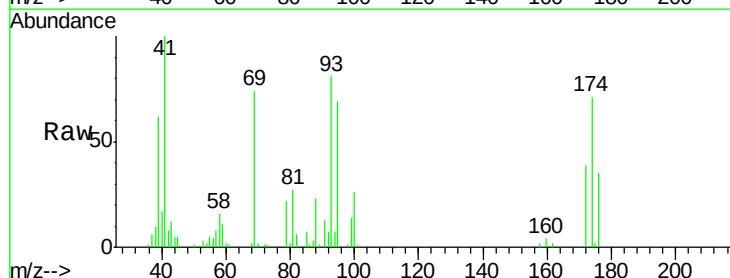
Manual Integrations
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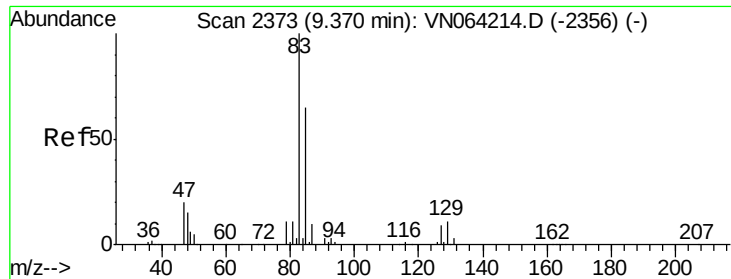
MMDadoda
 10/23/2020 2:10:18 PM



#46
 Dibromomethane
 Concen: 20.397 ug/l
 RT: 9.18 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN064227.D
 Acq: 21 Oct 2020 17:32

Tgt Ion: 93 Resp: 44852
 Ion Ratio Lower Upper
 93 100
 95 83.0 63.0 94.4
 174 89.4 72.9 109.3





#47

Bromodichloromethane

Concen: 19.970 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN064227.D

Acq: 21 Oct 2020 17:32

Instrument :

MSVOA_N

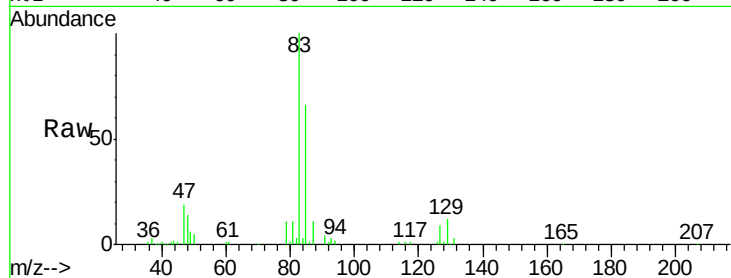
ClientSampleId :

VN1021MBS01

Tot Ion:	83	Resp:	97016
Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.8	77.8
127	9.4	7.4	11.0

Manual Integrations
APPROVED

MMDadoda
10/23/2020 2:10:18 PM

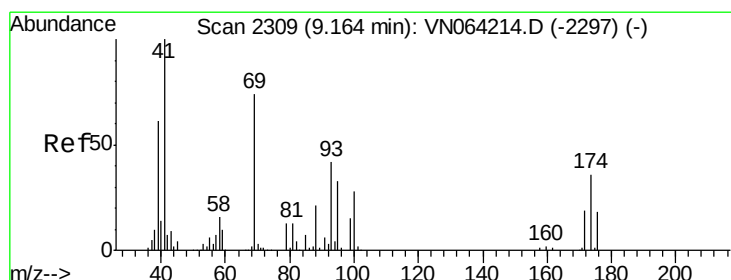
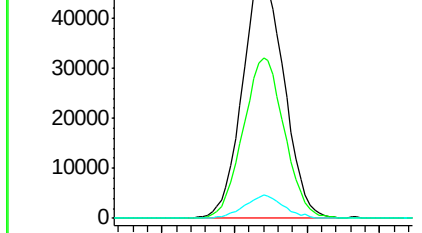
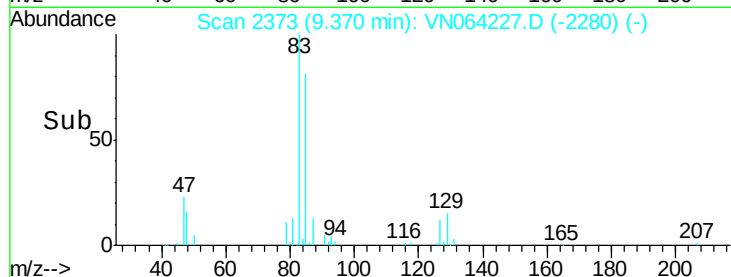


Abundance Ion 82.90 (82.60 to 83.60): VN064227.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN064227.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN064227.D (-2280) (-)

Time-->



#48

Methyl methacrylate

Concen: 19.021 ug/l

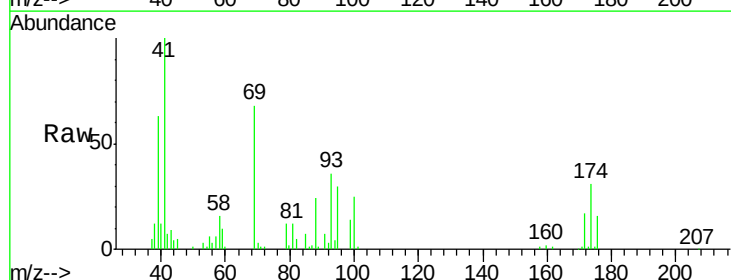
RT: 9.16 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN064227.D

Acq: 21 Oct 2020 17:32

Tgt Ion:	41	Resp:	74712
Ion	Ratio	Lower	Upper
41	100		
69	71.0	57.3	85.9
39	63.5	48.6	73.0

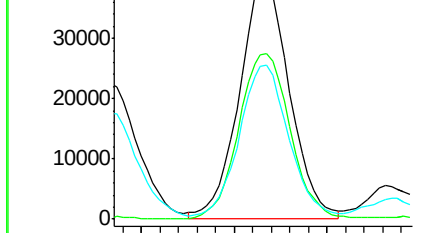
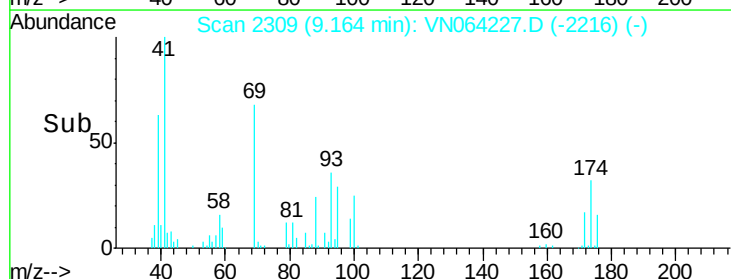


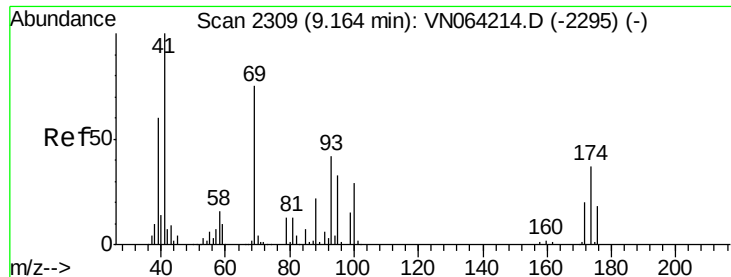
Abundance Ion 41.00 (40.70 to 41.70): VN064227.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN064227.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN064227.D (-2216) (-)

Time-->





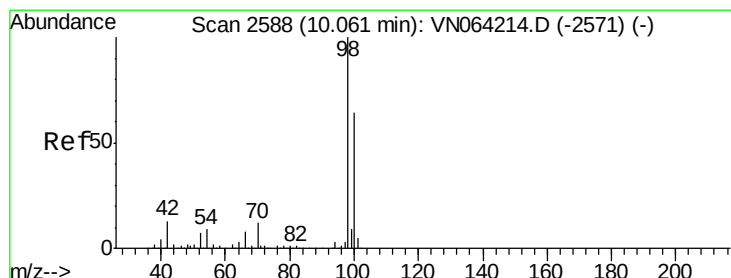
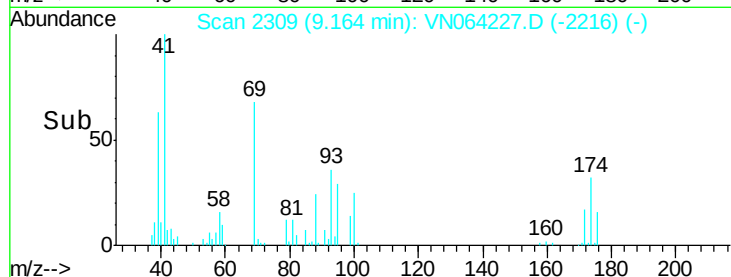
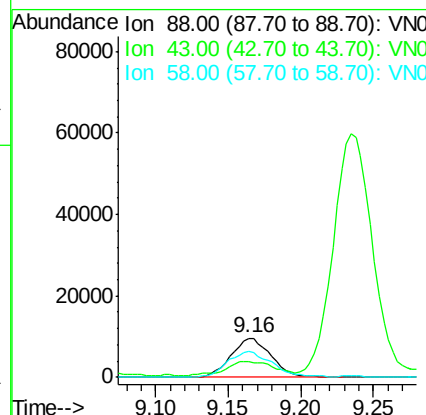
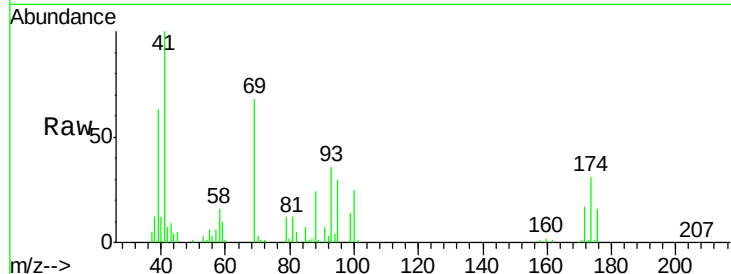
#49
1,4-Dioxane
Concen: 404.363 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN064227.D
Acq: 21 Oct 2020 17:32

Instrument :
MSVOA_N
ClientSampleId :
VN1021MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	42.7	34.6	52.0
58	73.1	59.0	88.6

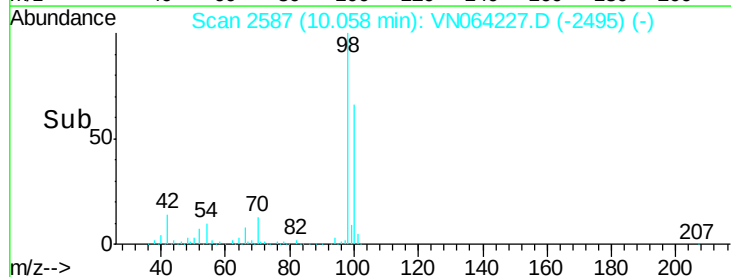
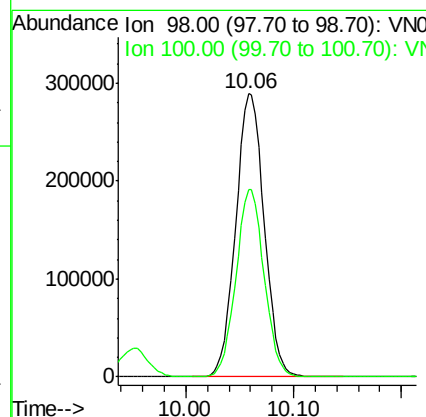
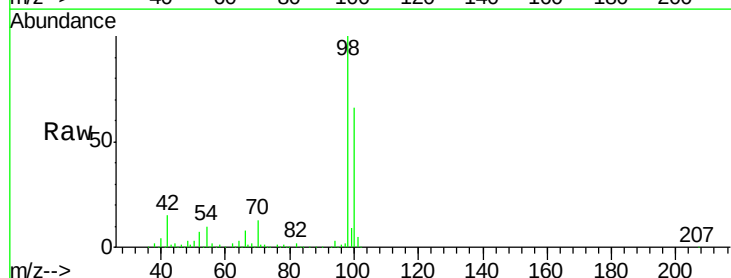
Manual Integrations
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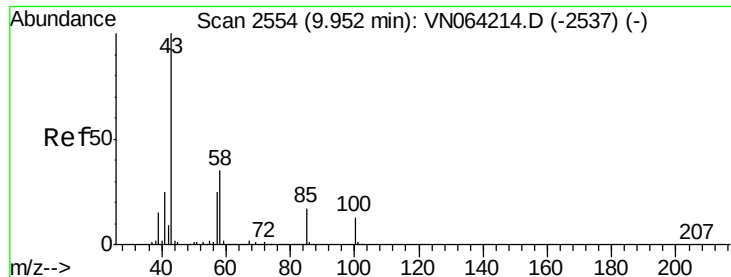
MMDadoda
10/23/2020 2:10:18 PM



#50
Toluene-d8
Concen: 49.672 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN064227.D
Acq: 21 Oct 2020 17:32

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.3	50.8	76.2





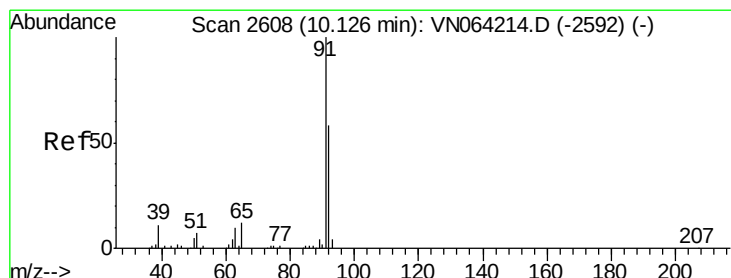
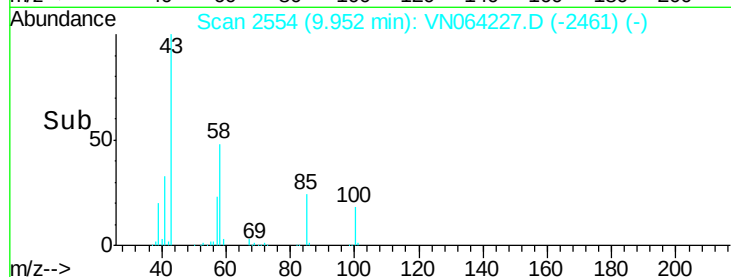
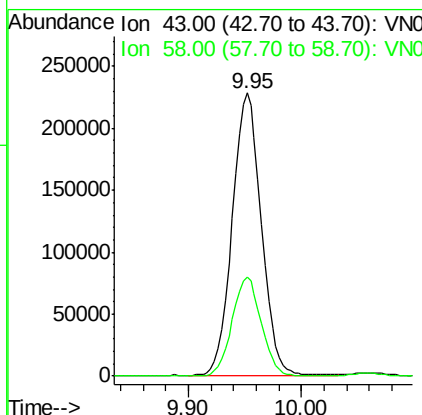
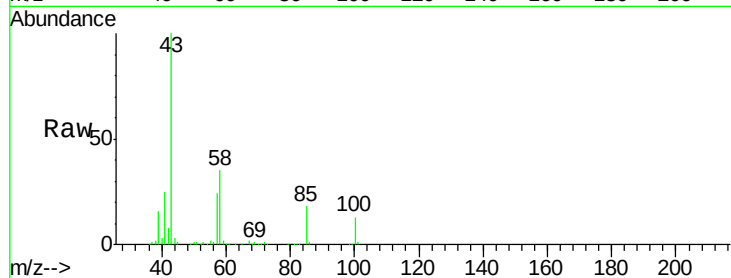
#51
 4-Methyl-2-Pentanone
 Concen: 101.332 ug/l
 RT: 9.95 min Scan# 2554
 Delta R.T. -0.00 min
 Lab File: VN064227.D
 Acq: 21 Oct 2020 17:32

Instrument :
 MSVOA_N
 ClientSampled :
 VN1021MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	35.1	28.6	42.8

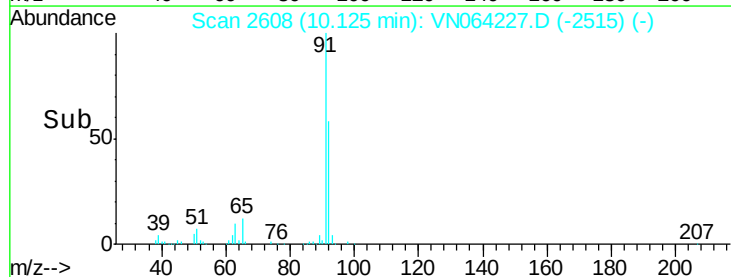
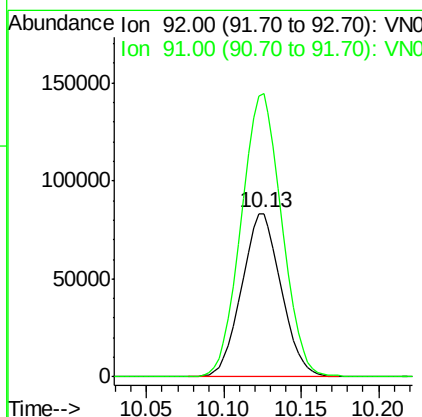
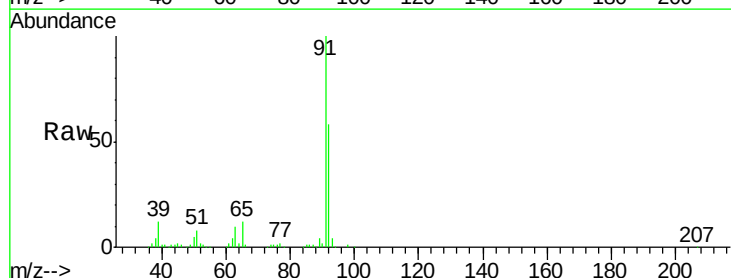
Manual Integrations
 APPROVED

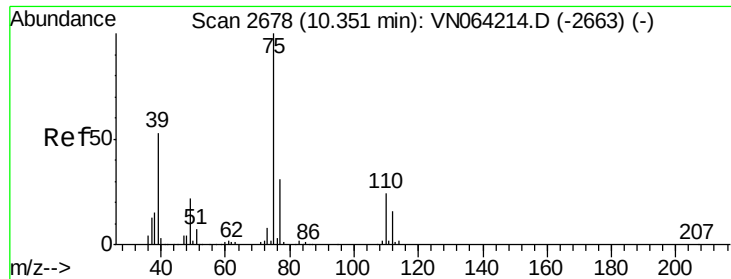
MMDadoda
 10/23/2020 2:10:18 PM



#52
 Toluene
 Concen: 18.906 ug/l
 RT: 10.13 min Scan# 2608
 Delta R.T. -0.00 min
 Lab File: VN064227.D
 Acq: 21 Oct 2020 17:32

Tgt Ion	Ratio	Lower	Upper
92	100		
91	177.2	137.4	206.2





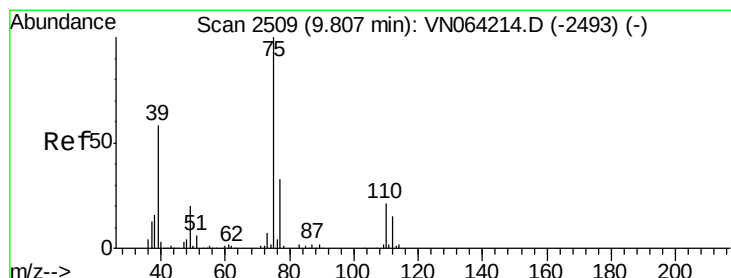
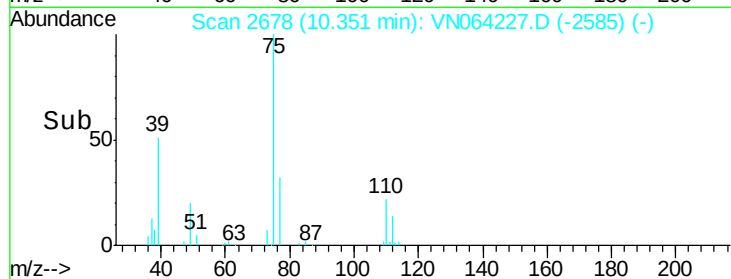
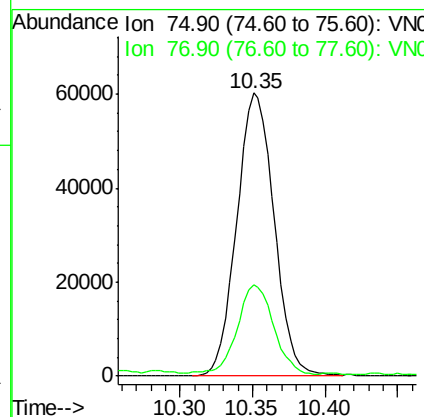
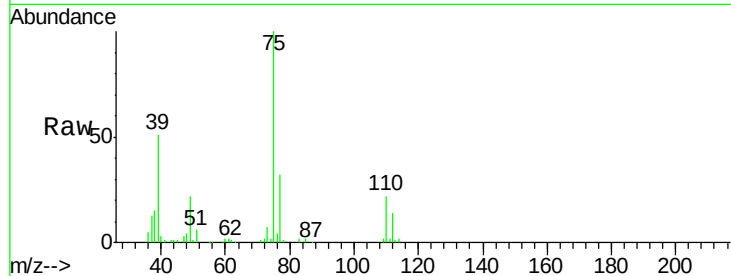
#53
t-1,3-Dichloropropene
Concen: 19.950 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VN064227.D
Acq: 21 Oct 2020 17:32

Instrument :
MSVOA_N
ClientSampleId :
VN1021MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.2

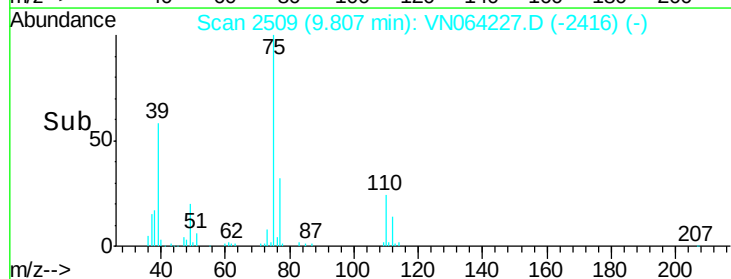
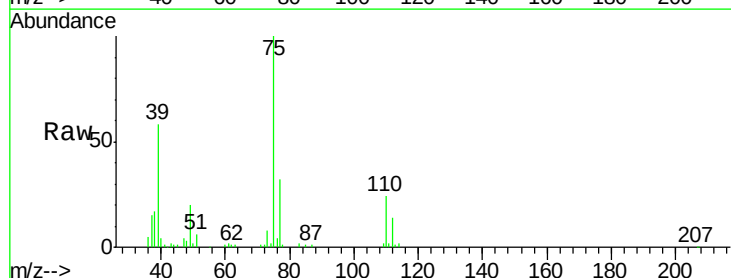
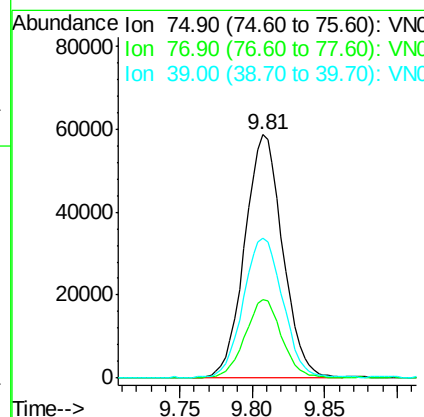
Manual Integrations
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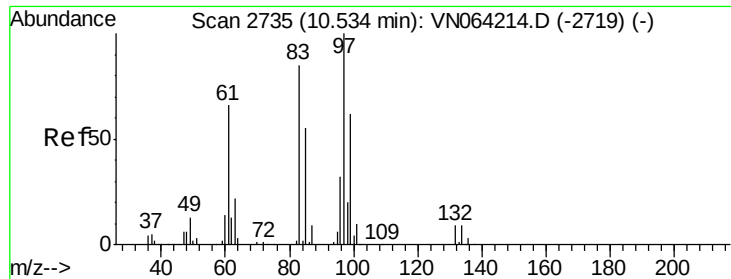
MMDadoda
10/23/2020 2:10:18 PM



#54
cis-1,3-Dichloropropene
Concen: 18.828 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN064227.D
Acq: 21 Oct 2020 17:32

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.4	26.6	39.8
39	57.2	46.7	70.1





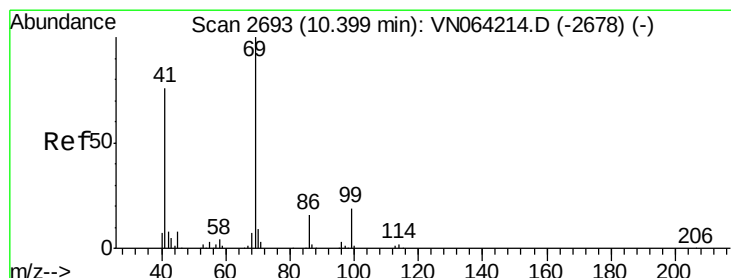
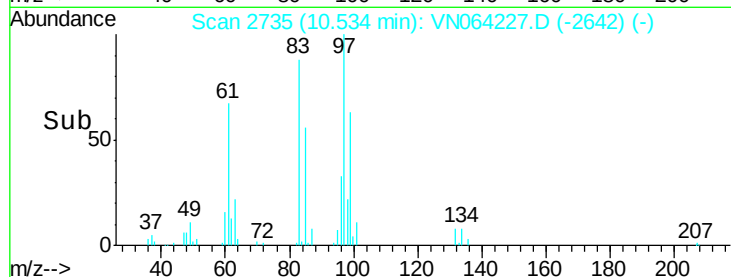
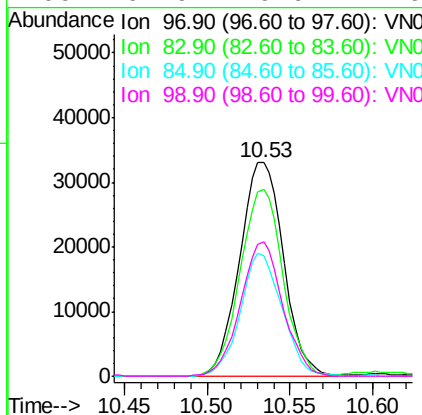
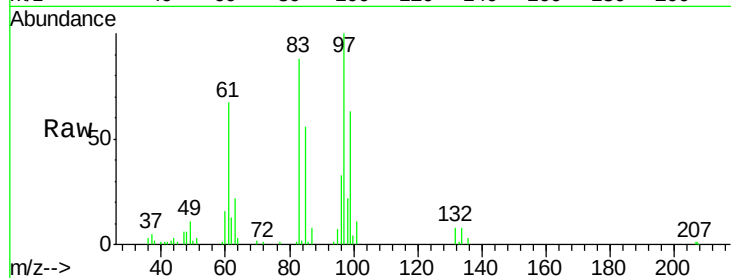
#55
 1,1,2-Trichloroethane
 Concen: 20.557 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. -0.00 min
 Lab File: VN064227.D
 Acq: 21 Oct 2020 17:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1021MBS01

Tot Ion:	97	Resp:	60941
Ion	Ratio	Lower	Upper
97	100		
83	87.6	67.8	101.6
85	56.1	43.6	65.4
99	62.9	49.9	74.9

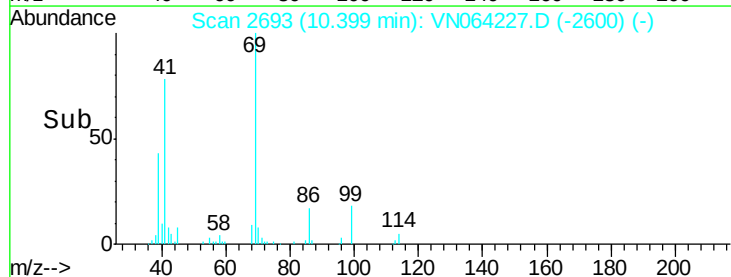
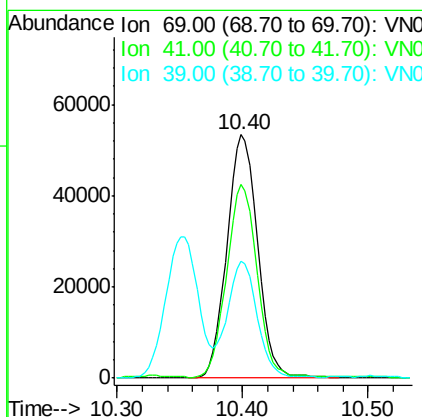
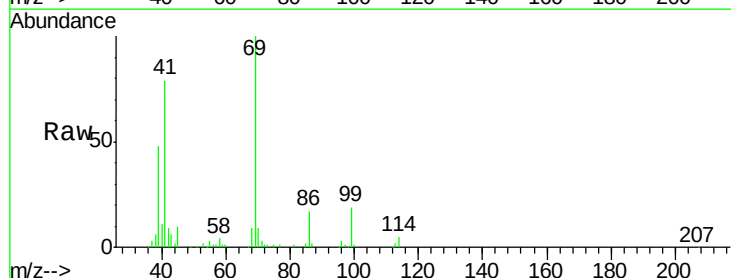
Manual Integrations
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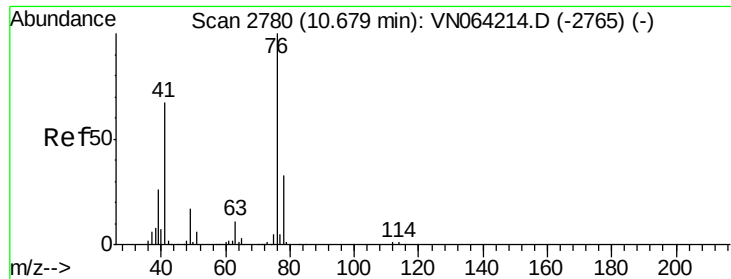
MMDadoda
 10/23/2020 2:10:18 PM



#56
 Ethyl methacrylate
 Concen: 19.841 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. -0.00 min
 Lab File: VN064227.D
 Acq: 21 Oct 2020 17:32

Tgt Ion:	69	Resp:	90947
Ion	Ratio	Lower	Upper
69	100		
41	77.3	61.4	92.2
39	45.7	36.0	54.0





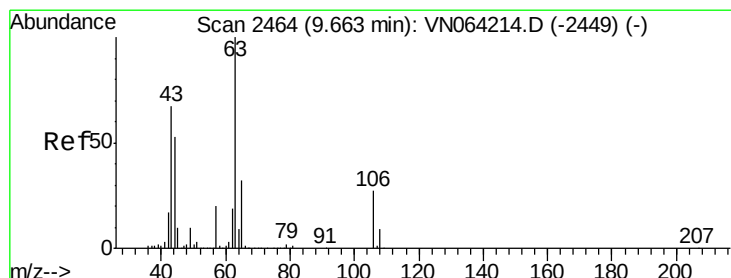
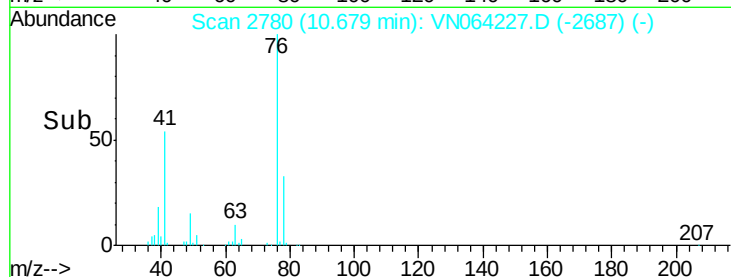
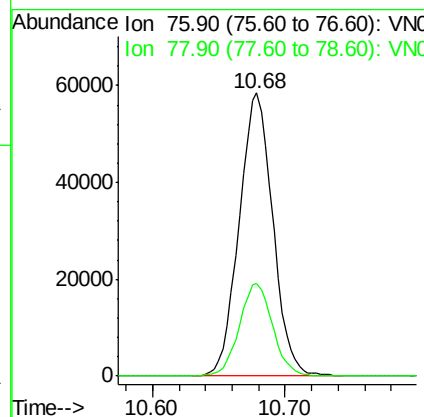
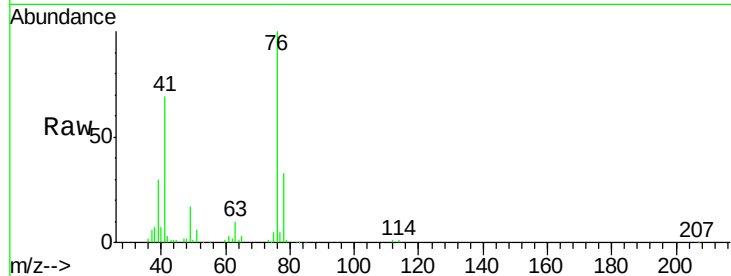
#57
 1,3-Dichloropropane
 Concen: 20.006 ug/l
 RT: 10.68 min Scan# 2780
 Delta R.T. -0.00 min
 Lab File: VN064227.D
 Acq: 21 Oct 2020 17:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1021MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	26.2	39.2

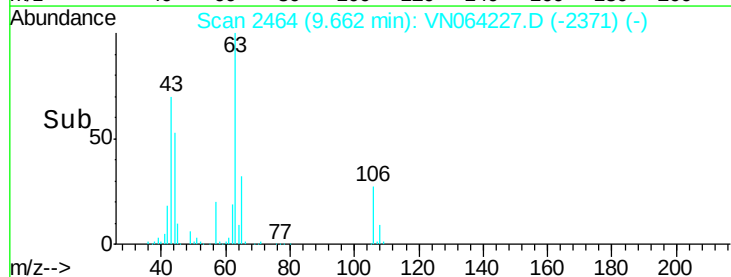
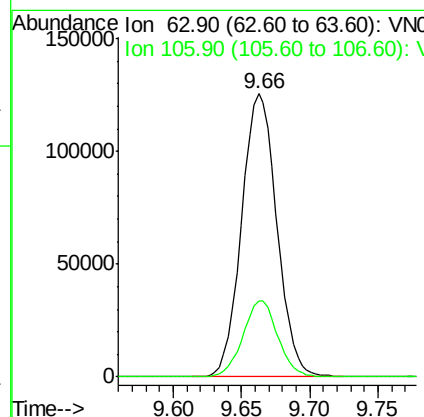
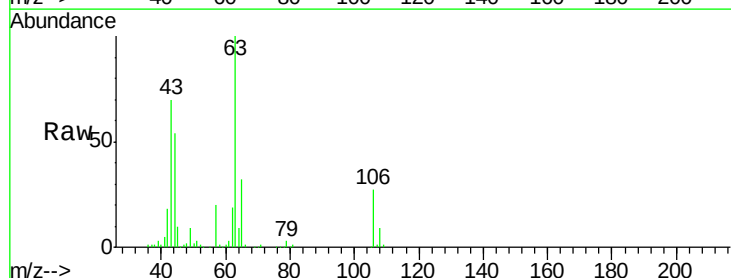
Manual Integrations
 APPROVED

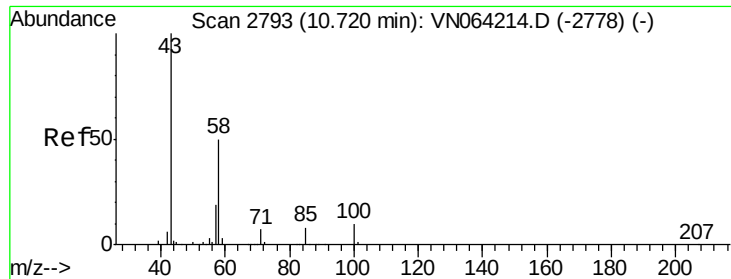
MMDadoda
 10/23/2020 2:10:18 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 95.285 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN064227.D
 Acq: 21 Oct 2020 17:32

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.6	21.3	31.9





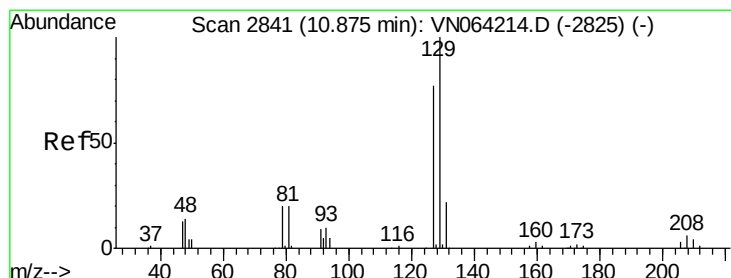
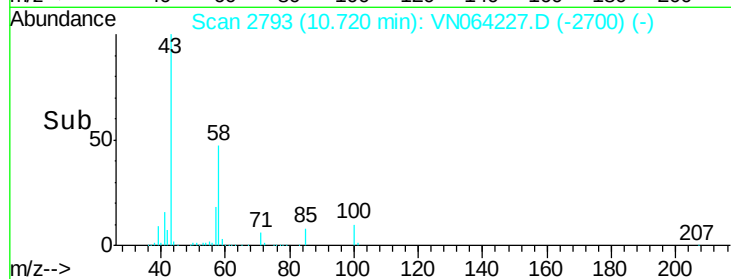
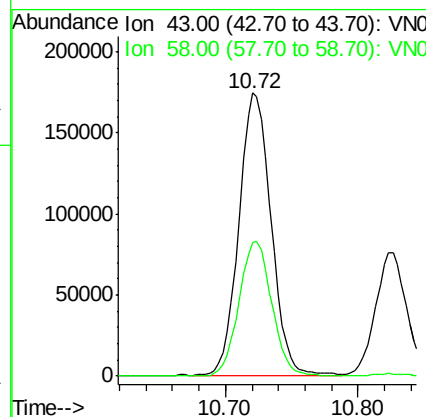
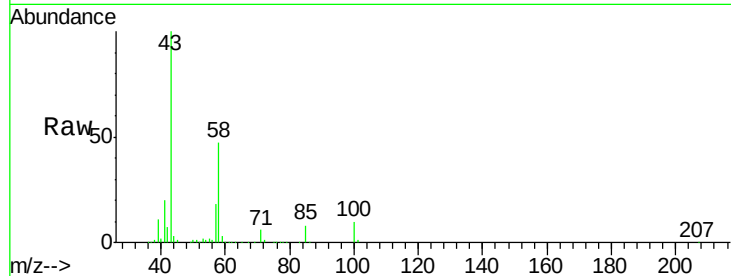
#59
2-Hexanone
Concen: 99.649 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN064227.D
Acq: 21 Oct 2020 17:32

Instrument :
MSVOA_N
ClientSampleId :
VN1021MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.9	24.8	74.3

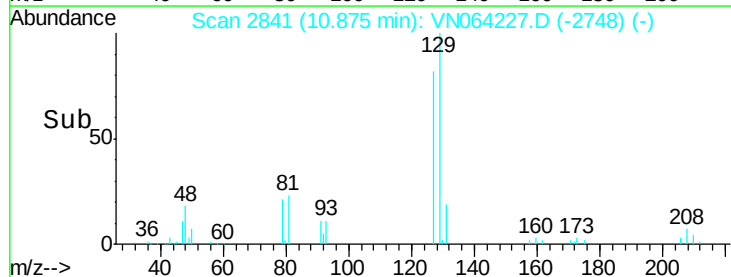
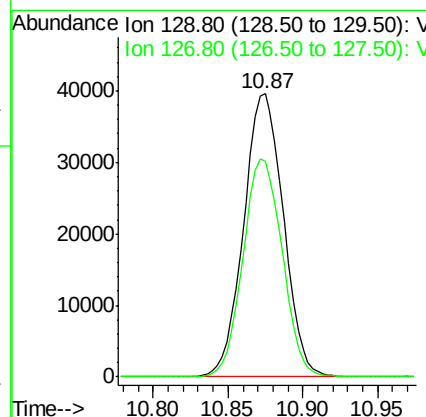
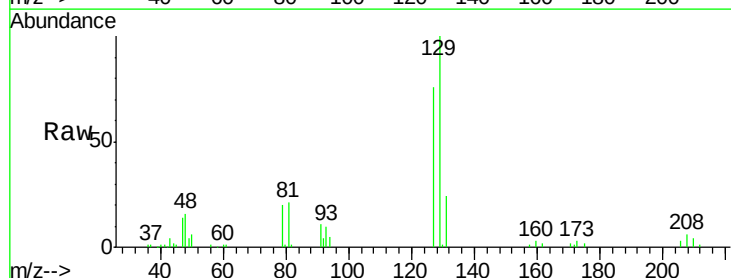
Manual Integrations
APPROVED

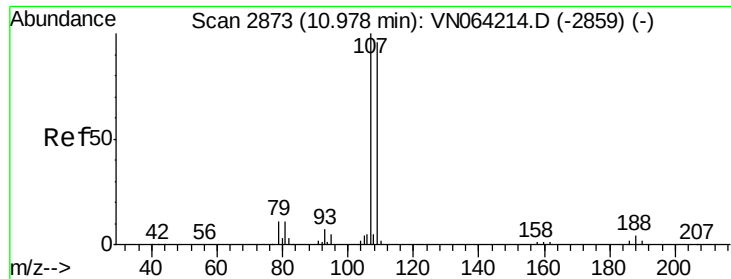
MMDadoda
10/23/2020 2:10:18 PM



#60
Dibromochloromethane
Concen: 19.086 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. -0.00 min
Lab File: VN064227.D
Acq: 21 Oct 2020 17:32

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.0	38.8	116.3





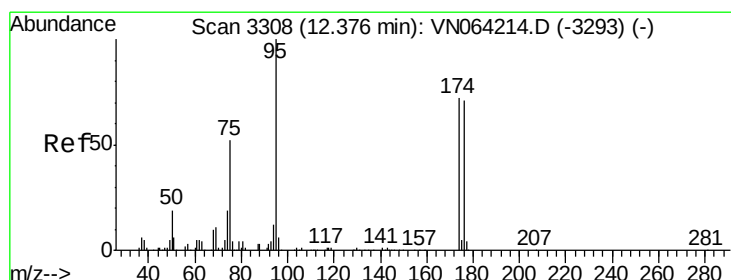
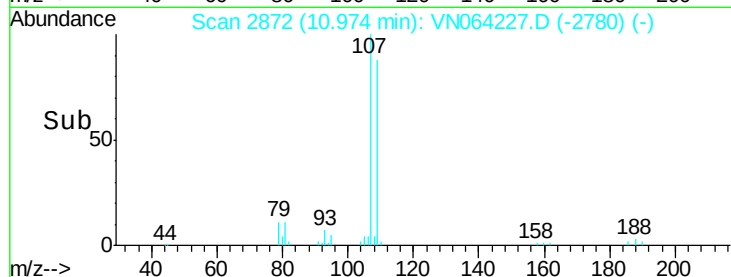
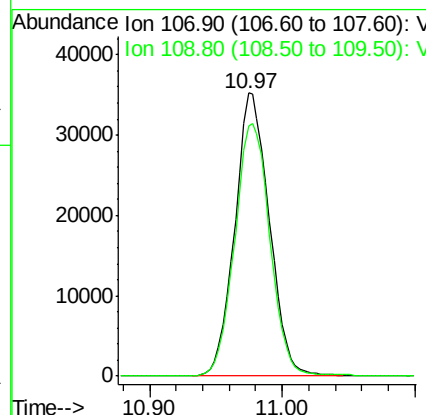
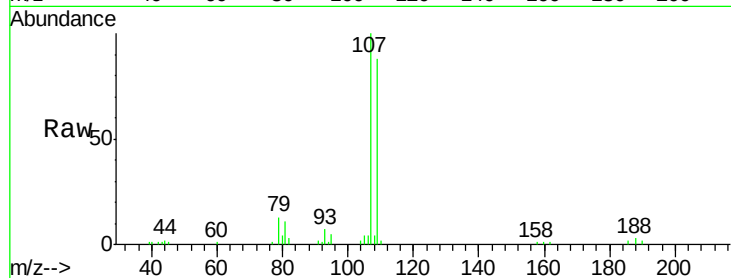
#61
 1,2-Dibromoethane
 Concen: 20.345 ug/l
 RT: 10.97 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN064227.D
 Acq: 21 Oct 2020 17:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1021MBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	91.2	76.2	114.4

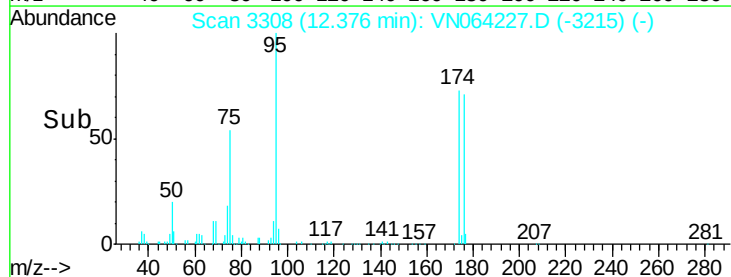
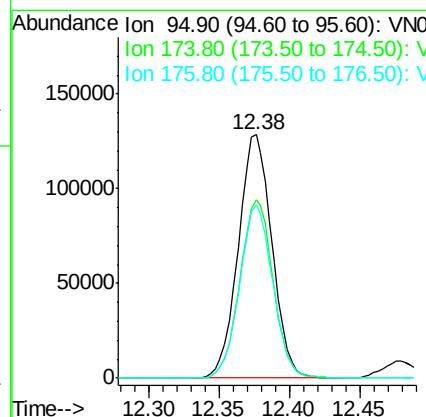
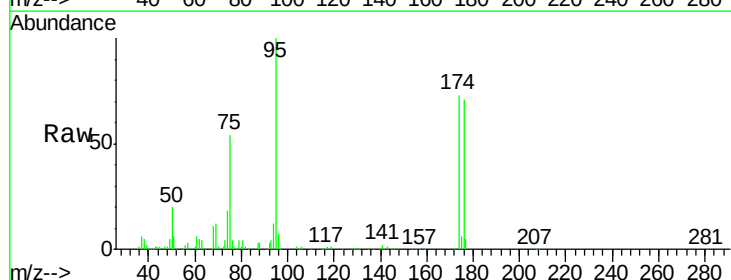
Manual Integrations
 APPROVED

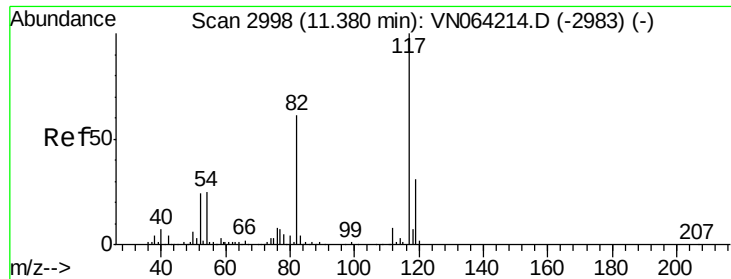
MMDadoda
 10/23/2020 2:10:18 PM



#62
 4-Bromofluorobenzene
 Concen: 49.287 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.00 min
 Lab File: VN064227.D
 Acq: 21 Oct 2020 17:32

Tgt Ion	Ratio	Lower	Upper
95	100		
174	72.4	0.0	144.4
176	70.5	0.0	139.2





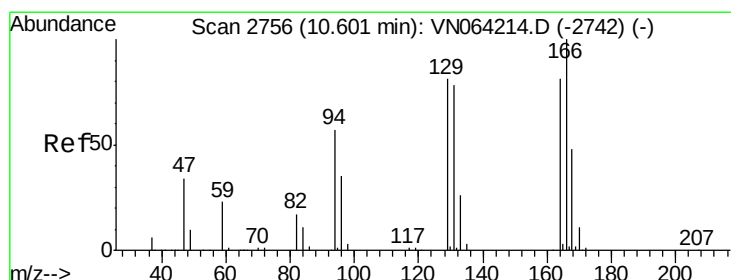
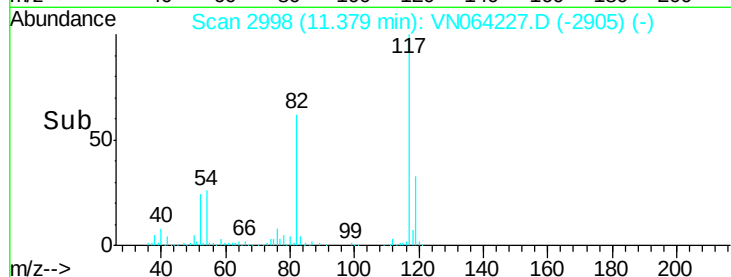
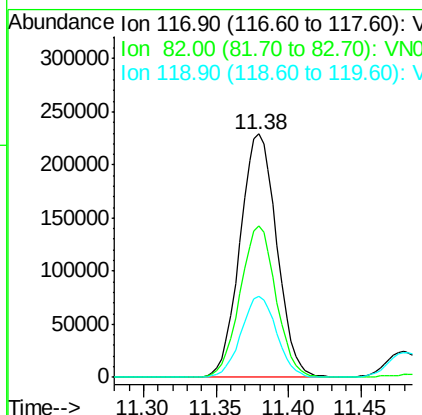
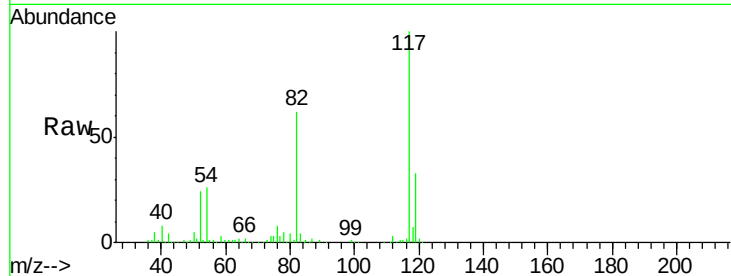
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064227.D
Acq: 21 Oct 2020 17:32

Instrument :
MSVOA_N
ClientSampleId :
VN1021MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.3	48.8	73.2
119	33.2	24.7	37.1

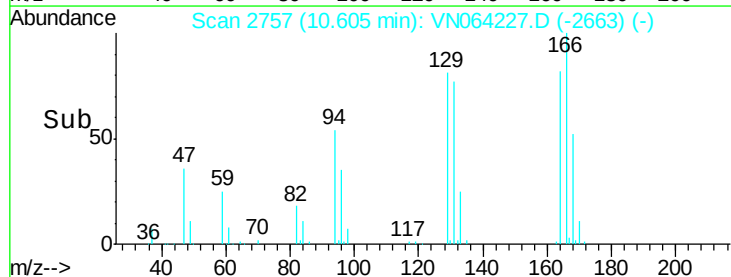
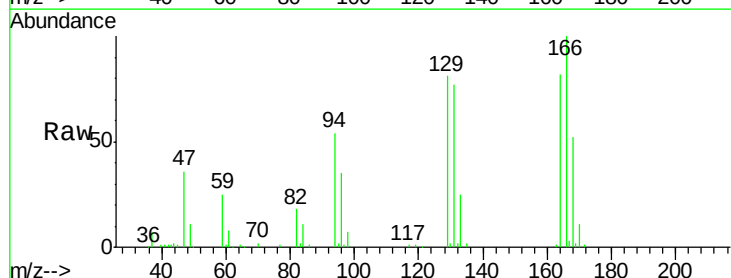
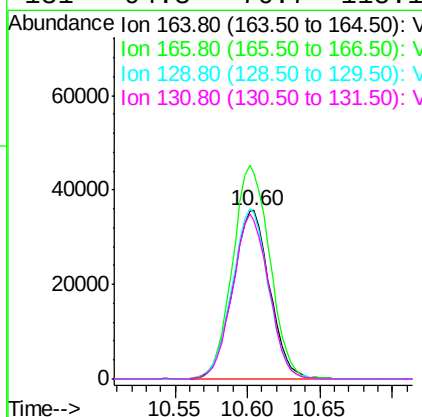
Manual Integrations
APPROVED

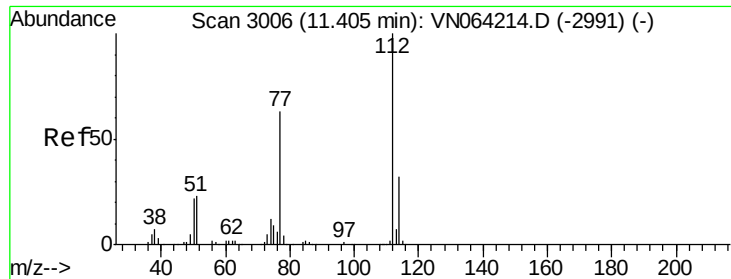
MMDadoda
10/23/2020 2:10:18 PM



#64
Tetrachloroethene
Concen: 19.473 ug/l
RT: 10.60 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VN064227.D
Acq: 21 Oct 2020 17:32

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.9	98.9	148.3
129	98.8	79.9	119.9
131	94.3	76.7	115.1





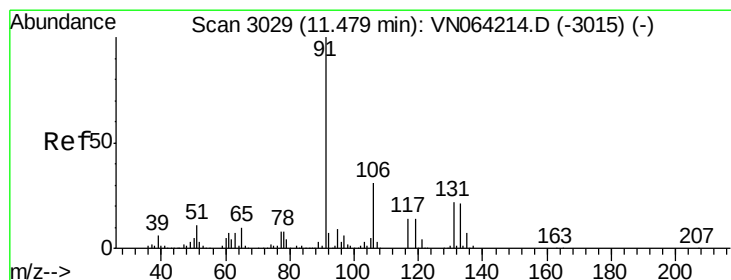
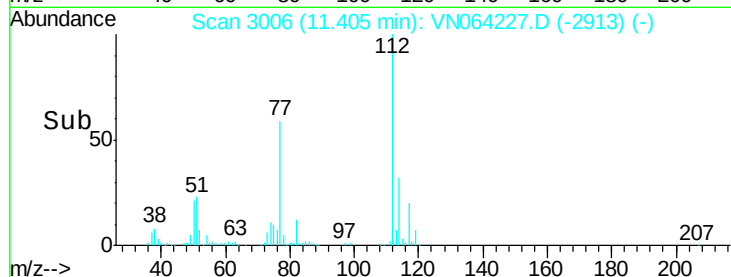
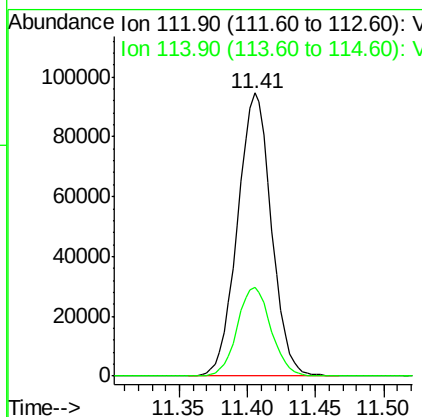
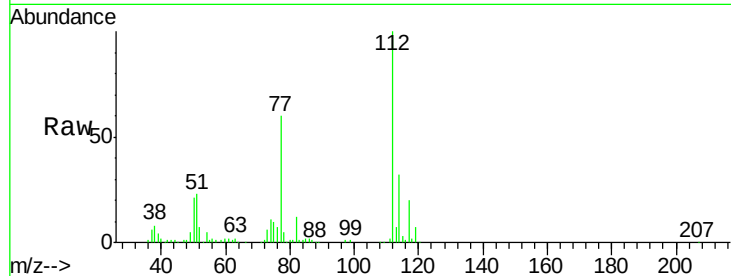
#65
Chlorobenzene
Concen: 19.469 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN064227.D
Acq: 21 Oct 2020 17:32

Instrument :
MSVOA_N
ClientSampleId :
VN1021MBS01

Tot Ion:112 Resp: 162736
Ion Ratio Lower Upper
112 100
114 31.5 25.7 38.5

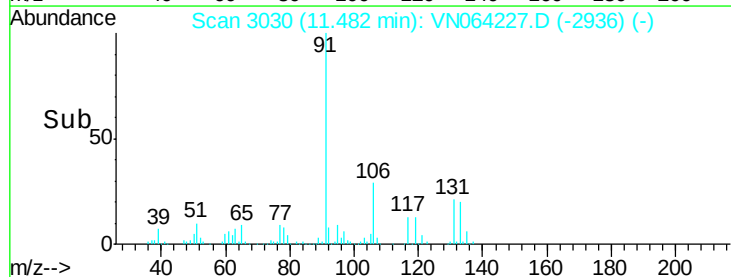
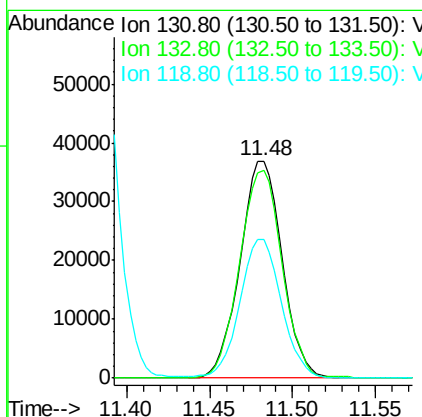
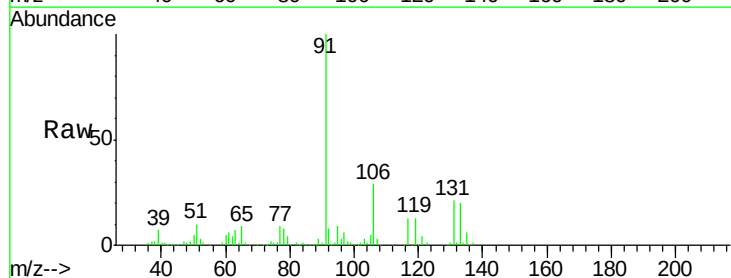
Manual Integrations
APPROVED

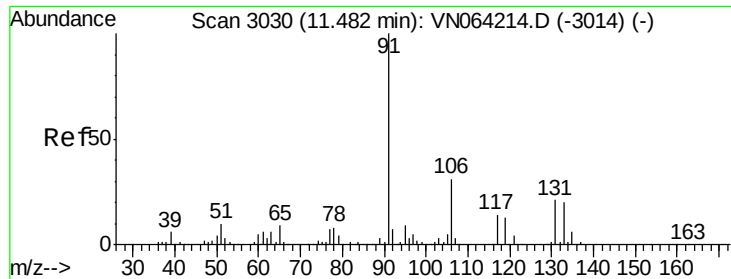
MMDadoda
10/23/2020 2:10:18 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.598 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064227.D
Acq: 21 Oct 2020 17:32

Tgt Ion:131 Resp: 65024
Ion Ratio Lower Upper
131 100
133 97.4 47.8 143.4
119 63.7 32.2 96.6





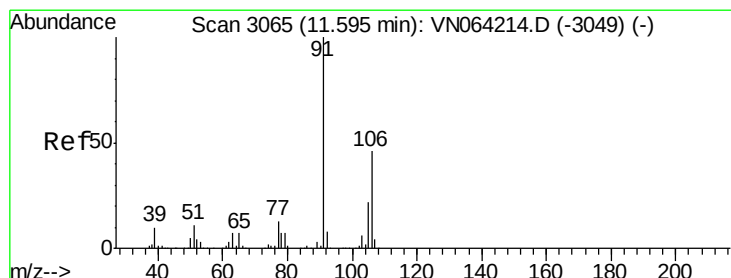
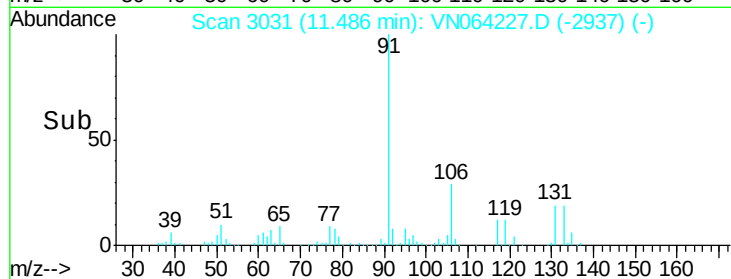
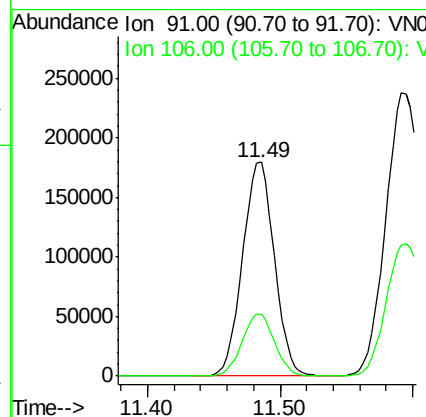
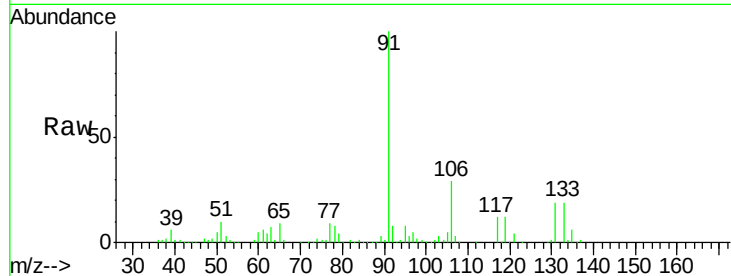
#67
Ethyl Benzene
Concen: 19.537 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. 0.00 min
Lab File: VN064227.D
Acq: 21 Oct 2020 17:32

Instrument :
MSVOA_N
ClientSampleId :
VN1021MBS01

Tot Ion: 91 Resp: 300125
Ion Ratio Lower Upper
91 100
106 28.9 24.8 37.2

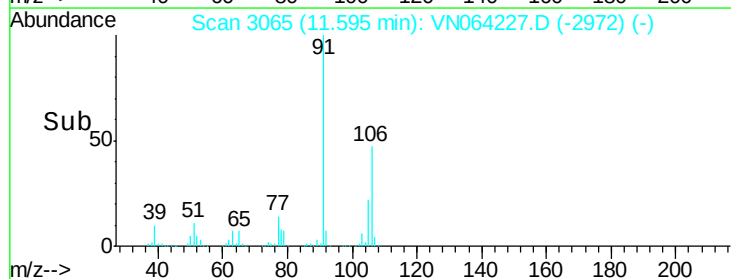
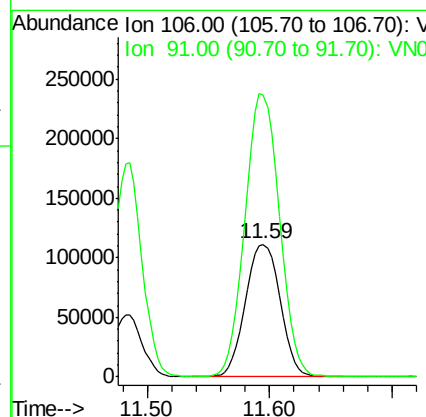
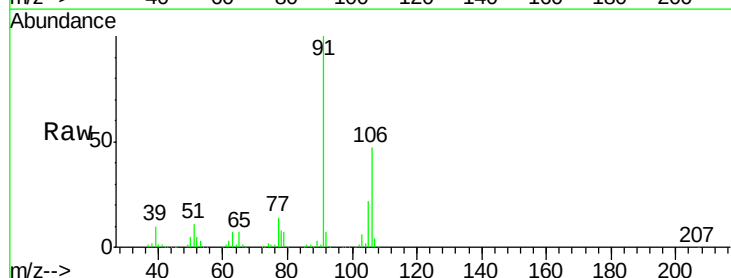
Manual Integrations
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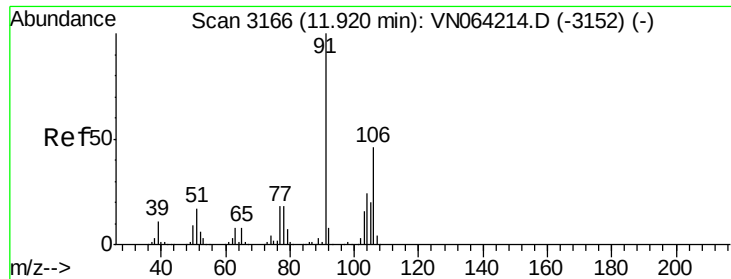
MMDadoda
10/23/2020 2:10:18 PM



#68
m/p-Xylenes
Concen: 38.552 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. -0.00 min
Lab File: VN064227.D
Acq: 21 Oct 2020 17:32

Tgt Ion: 106 Resp: 219422
Ion Ratio Lower Upper
106 100
91 211.3 172.2 258.2





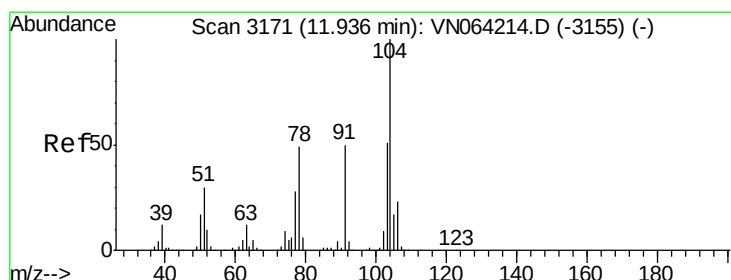
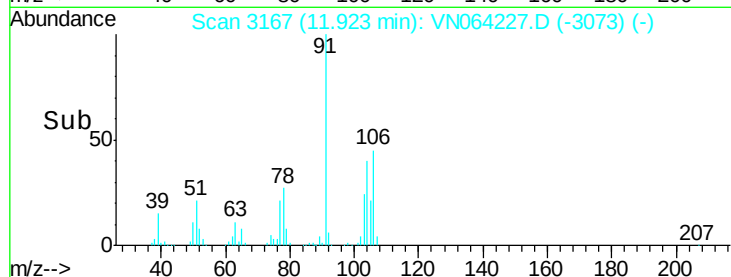
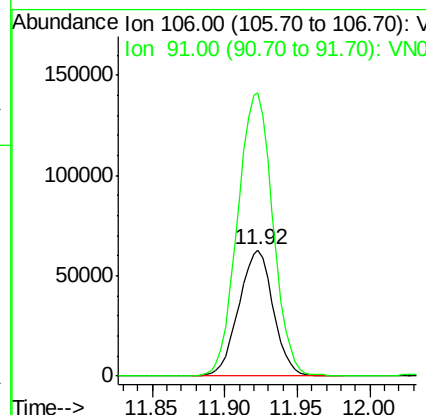
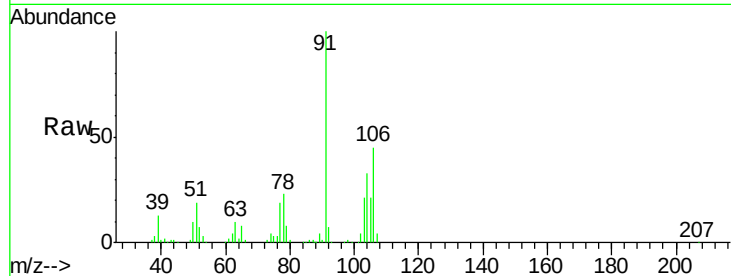
#69
o-Xylene
Concen: 18.842 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN064227.D
Acq: 21 Oct 2020 17:32

Instrument :
MSVOA_N
ClientSampleId :
VN1021MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	230.1	109.9	329.6		

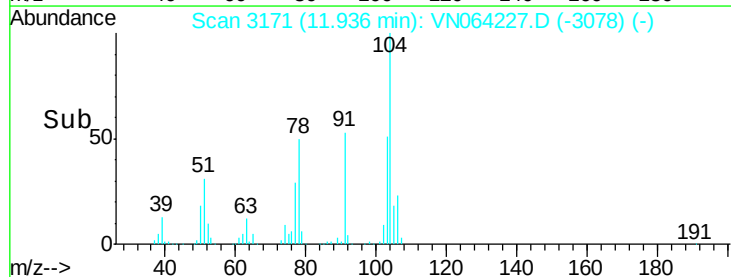
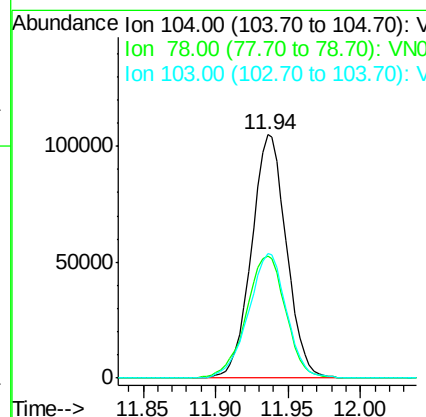
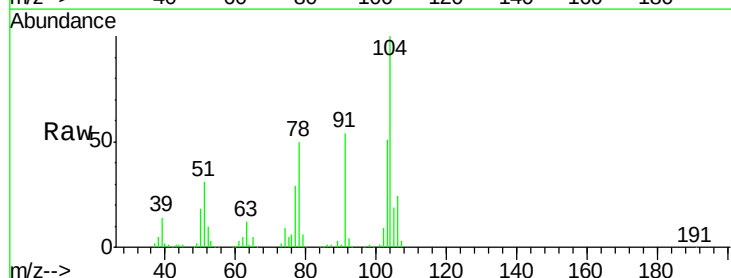
Manual Integrations
APPROVED

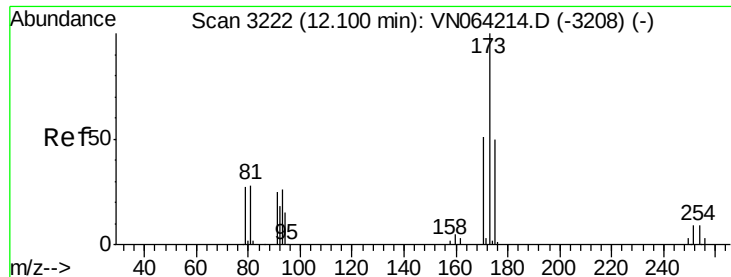
MMDadoda
10/23/2020 2:10:18 PM



#70
Styrene
Concen: 19.107 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064227.D
Acq: 21 Oct 2020 17:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	56.9	43.8	65.6		
103	56.1	43.4	65.2		





#71

Bromoform

Concen: 19.191 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. -0.00 min

Lab File: VN064227.D

Acq: 21 Oct 2020 17:32

Instrument :

MSVOA_N

ClientSampleId :

VN1021MBS01

Tot Ion:173 Resp: 49188

Ion Ratio Lower Upper

173 100

175 51.5 25.1 75.3

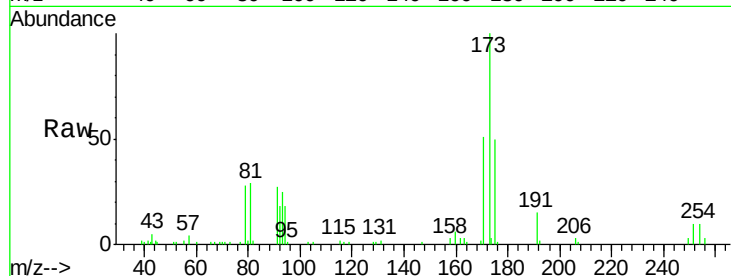
254 0.0 0.0 0.0

Manual Integrations

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MMDadoda

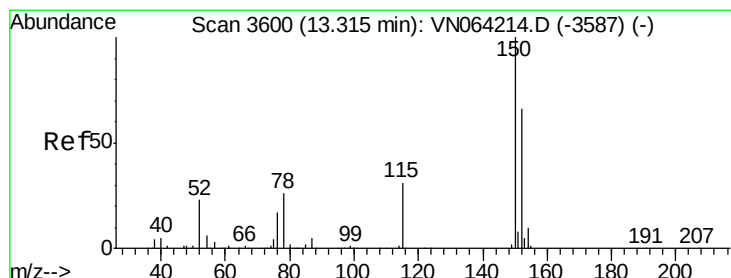
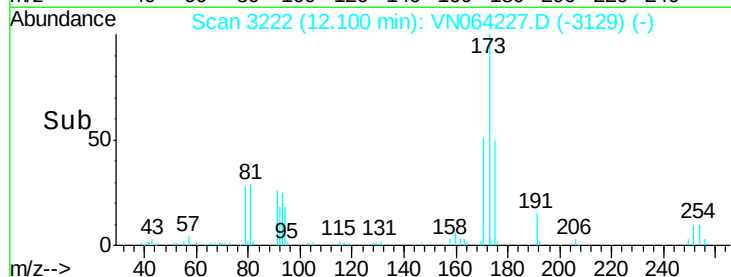
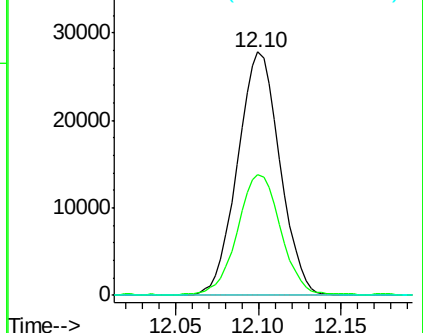
10/23/2020 2:10:18 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN064227.D

Acq: 21 Oct 2020 17:32

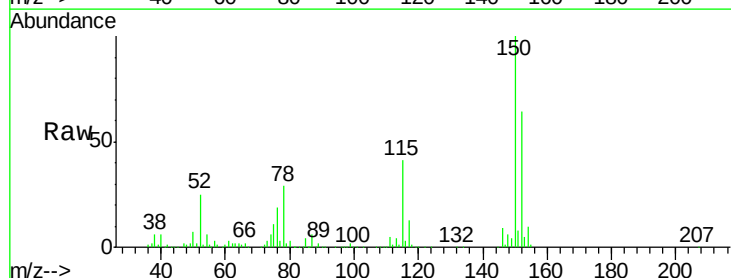
Tgt Ion:152 Resp: 193348

Ion Ratio Lower Upper

152 100

115 64.3 32.0 96.2

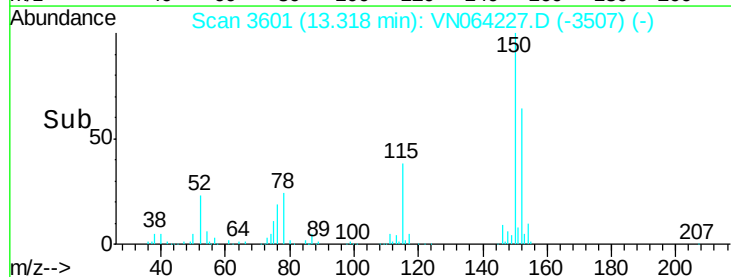
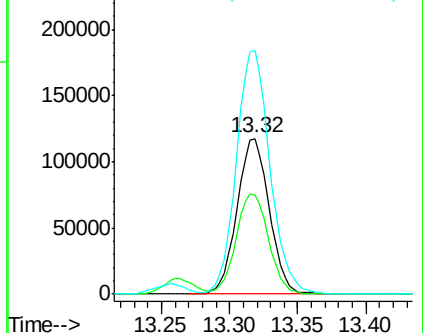
150 161.6 0.0 356.6

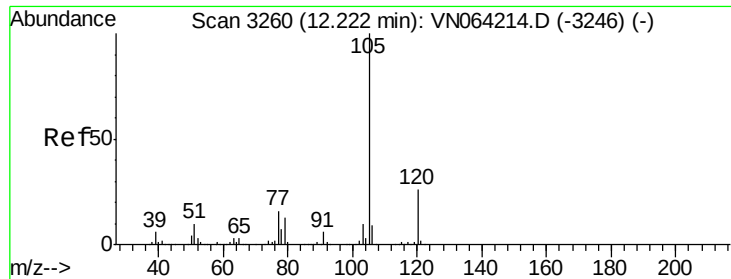


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





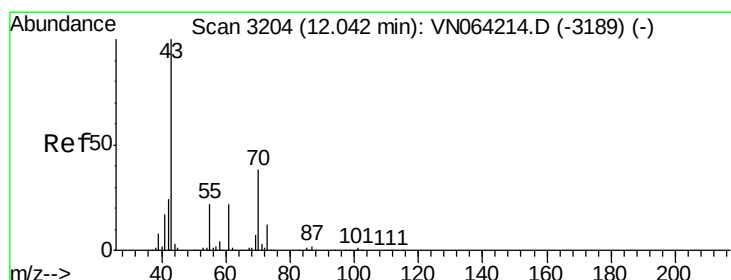
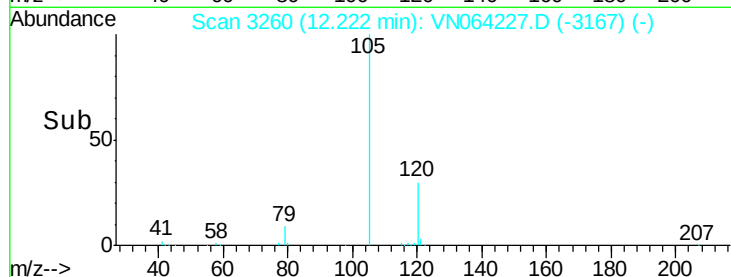
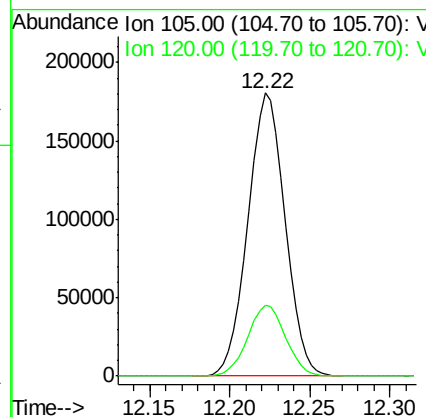
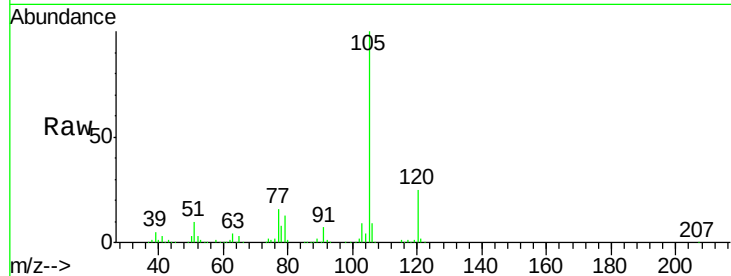
#73
Isopropylbenzene
Concen: 19.402 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. -0.00 min
Lab File: VN064227.D
Acq: 21 Oct 2020 17:32

Instrument :
MSVOA_N
ClientSampleId :
VN1021MBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.5	12.9	38.7

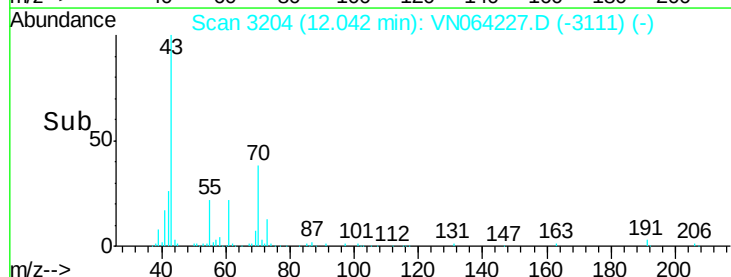
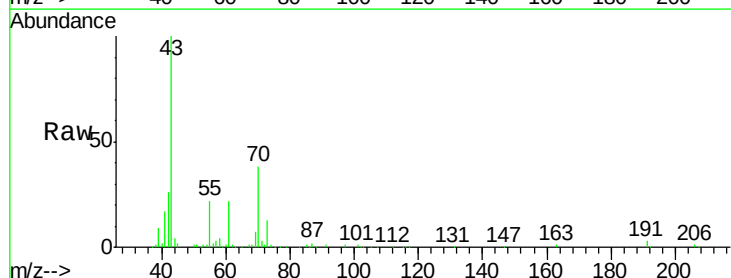
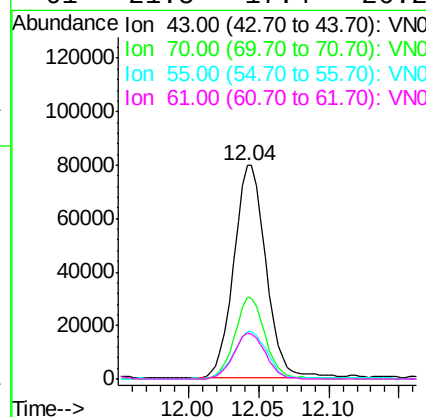
Manual Integrations
APPROVED

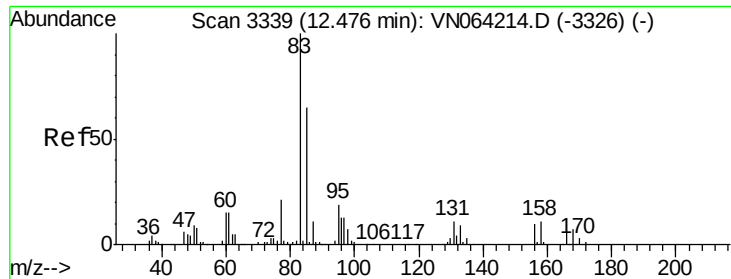
MMDadoda
10/23/2020 2:10:18 PM



#74
N-ethyl acetate
Concen: 19.921 ug/l
RT: 12.04 min Scan# 3204
Delta R.T. -0.00 min
Lab File: VN064227.D
Acq: 21 Oct 2020 17:32

Tgt Ion	Ratio	Lower	Upper
43	100		
70	36.7	30.2	45.4
55	22.6	18.0	27.0
61	21.5	17.4	26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 20.199 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN064227.D

Acq: 21 Oct 2020 17:32

Instrument :

MSVOA_N

ClientSampleId :

VN1021MBS01

Tot Ion: 83 Resp: 79043

Ion Ratio Lower Upper

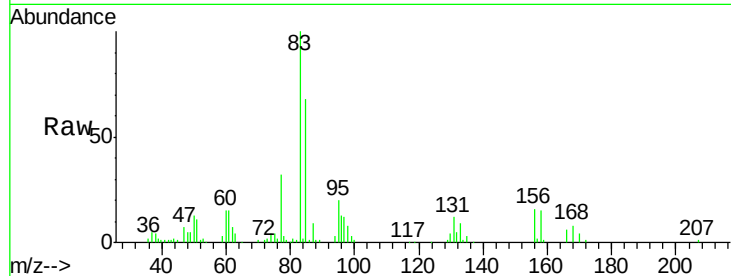
83 100

131 11.1 5.5 16.7

85 67.0 32.4 97.0

Manual Integrations
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MMDadoda
10/23/2020 2:10:18 PM

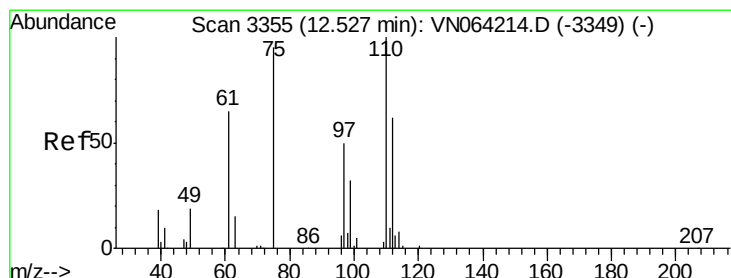
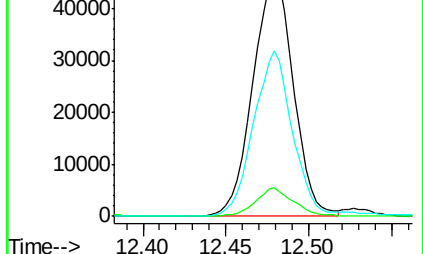
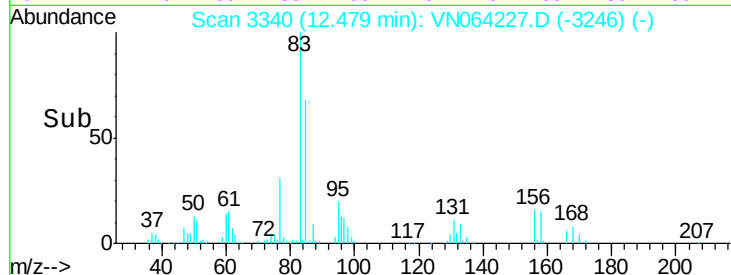


Abundance Ion 82.90 (82.60 to 83.60): VN064227.D (-3340) (-)

Ion 130.80 (130.50 to 131.50): VN064227.D (-3340) (-)

Ion 84.90 (84.60 to 85.60): VN064227.D (-3340) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 18.977 ug/l m

RT: 12.53 min Scan# 3355

Delta R.T. -0.00 min

Lab File: VN064227.D

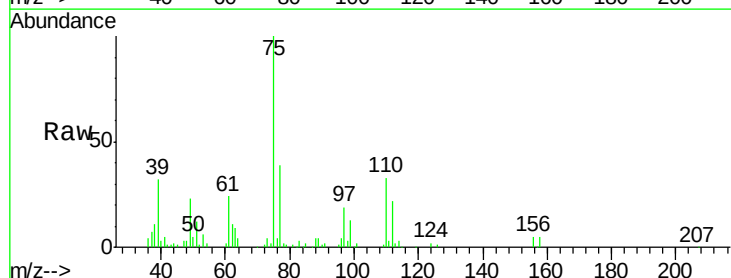
Acq: 21 Oct 2020 17:32

Tgt Ion: 75 Resp: 77350

Ion Ratio Lower Upper

75 100

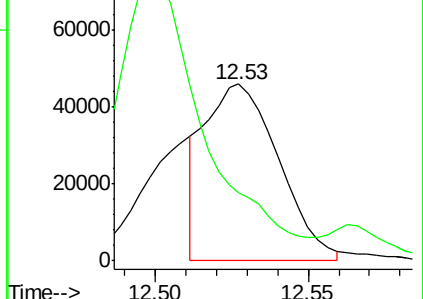
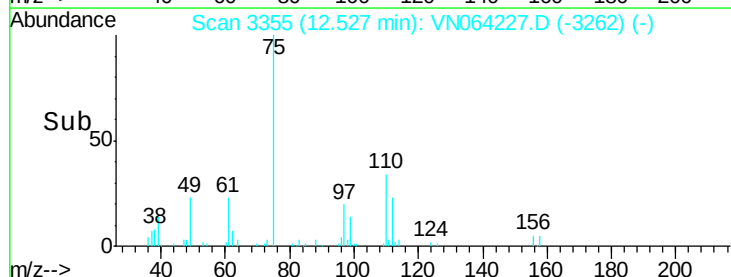
77 0.0 0.0 0.0

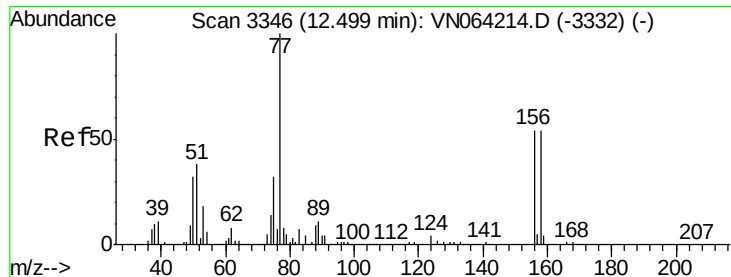


Abundance Ion 74.90 (74.60 to 75.60): VN064227.D (-3355) (-)

Ion 77.00 (76.70 to 77.70): VN064227.D (-3355) (-)

Time-->





#77

Bromobenzene

Concen: 19.866 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. -0.00 min

Lab File: VN064227.D

Acq: 21 Oct 2020 17:32

Instrument :

MSVOA_N

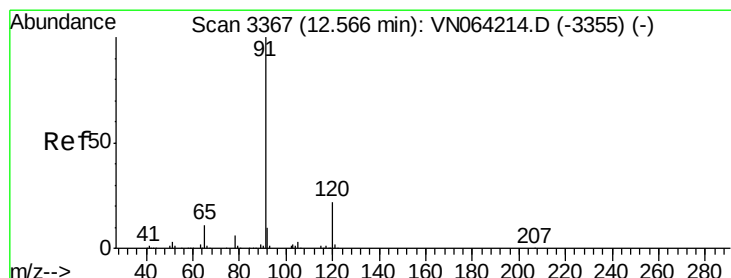
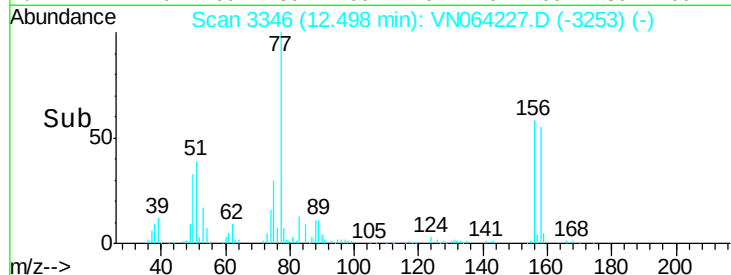
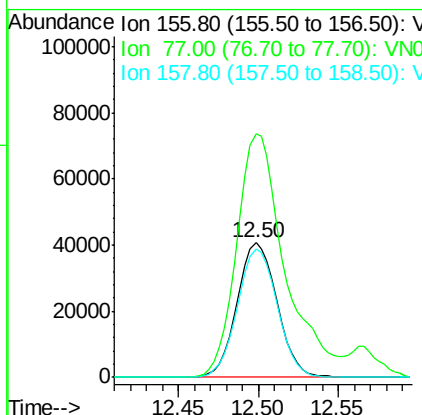
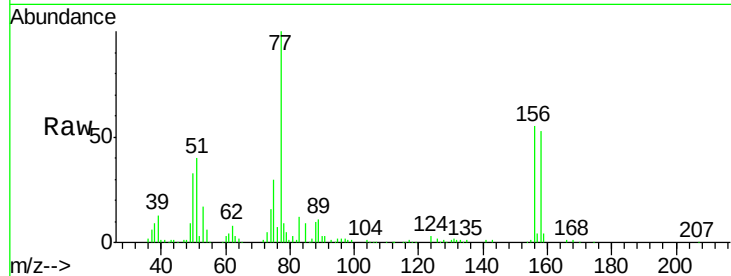
ClientSampleId :

VN1021MBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	218.8	111.1	333.4
158	95.2	50.0	150.1

Manual Integrations
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#78

n-propylbenzene

Concen: 18.942 ug/l

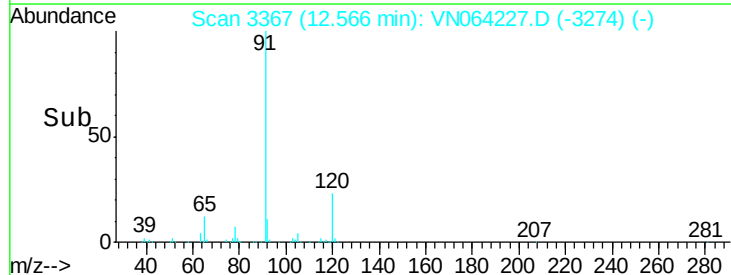
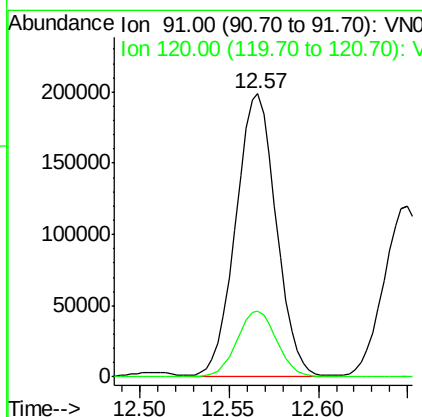
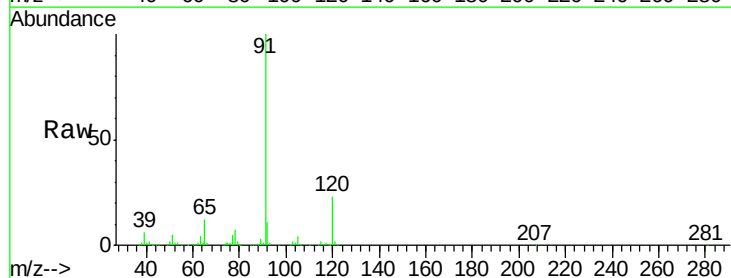
RT: 12.57 min Scan# 3367

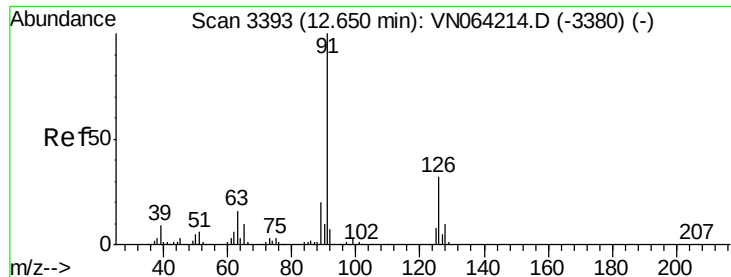
Delta R.T. -0.00 min

Lab File: VN064227.D

Acq: 21 Oct 2020 17:32

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.8	11.1	33.1





#79

2-Chlorotoluene

Concen: 19.610 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. -0.00 min

Lab File: VN064227.D

Acq: 21 Oct 2020 17:32

Instrument :

MSVOA_N

ClientSampleId :

VN1021MBS01

Tot Ion: 91 Resp: 200266

Ion Ratio Lower Upper

91 100

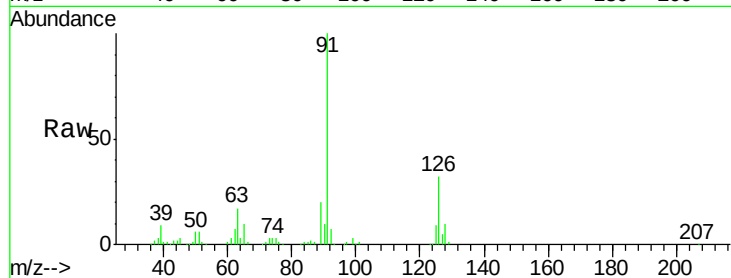
126 31.9 16.0 48.0

Manual Integrations

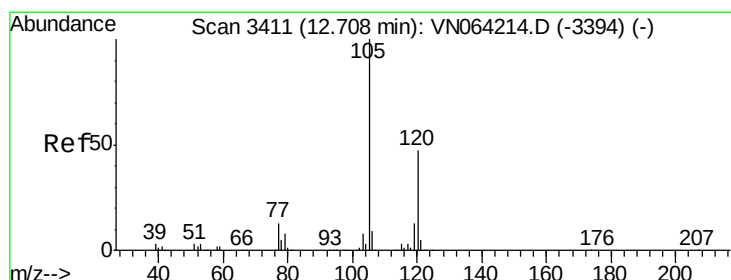
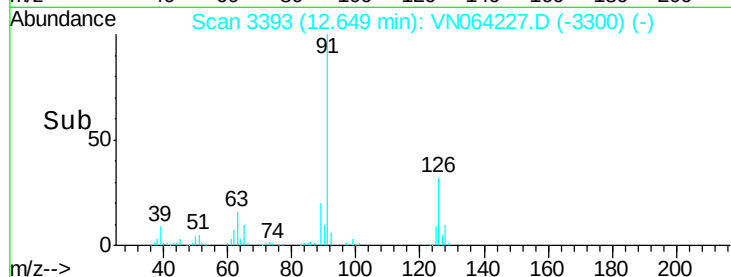
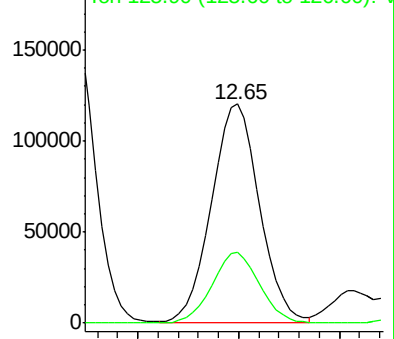
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Abundance Ion 91.00 (90.70 to 91.70): VN064227.D (-3393) (-)



#80

1,3,5-Trimethylbenzene

Concen: 18.931 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN064227.D

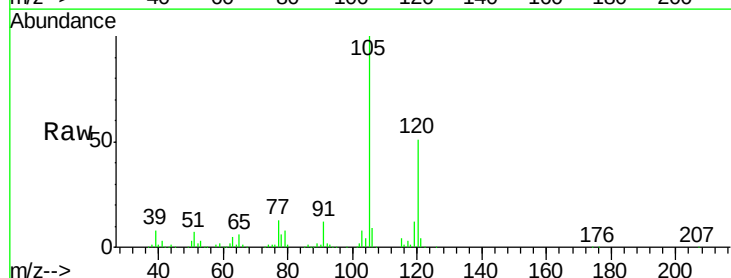
Acq: 21 Oct 2020 17:32

Tgt Ion: 105 Resp: 236007

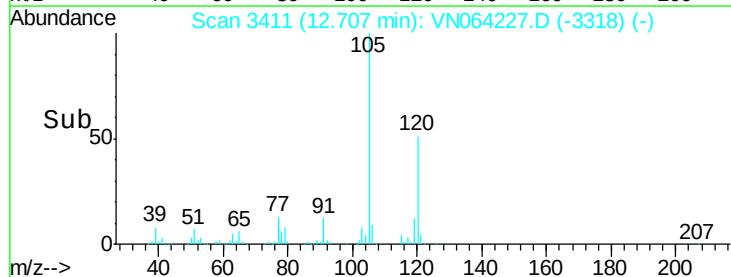
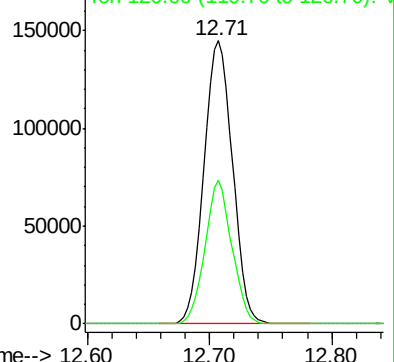
Ion Ratio Lower Upper

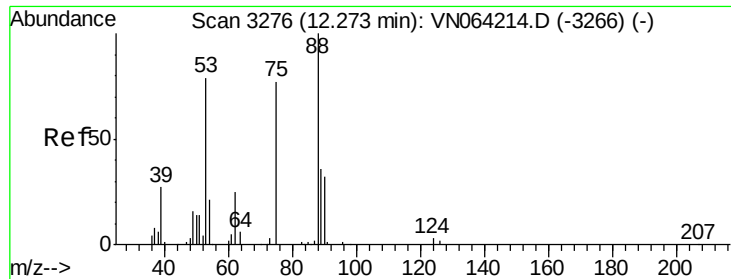
105 100

120 47.5 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN064227.D (-3411) (-)





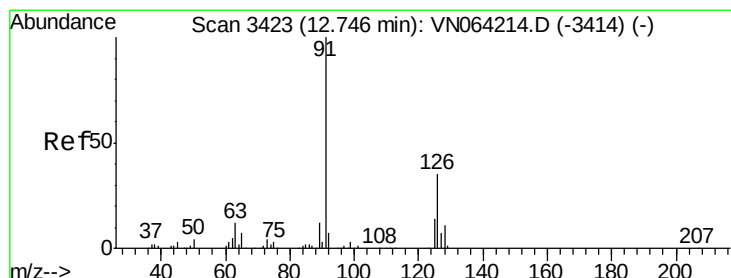
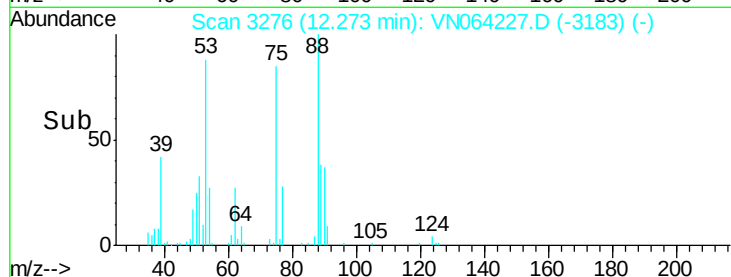
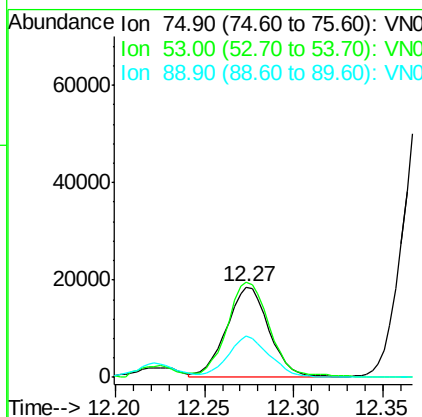
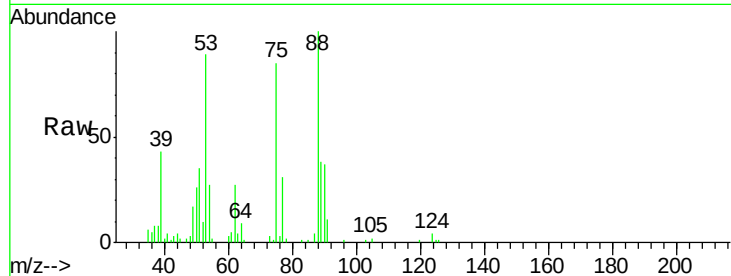
#81
trans-1,4-Dichloro-2-butene
Concen: 19.223 ug/l
RT: 12.27 min Scan# 3276
Delta R.T. -0.00 min
Lab File: VN064227.D
Acq: 21 Oct 2020 17:32

Instrument :
MSVOA_N
ClientSampleId :
VN1021MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.9	81.0	121.4
89	43.8	38.7	58.1

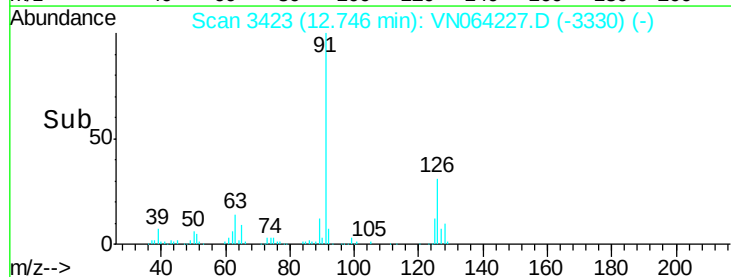
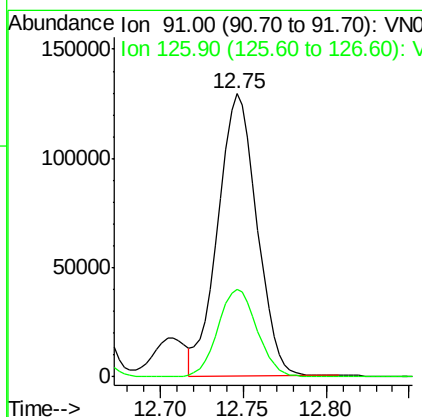
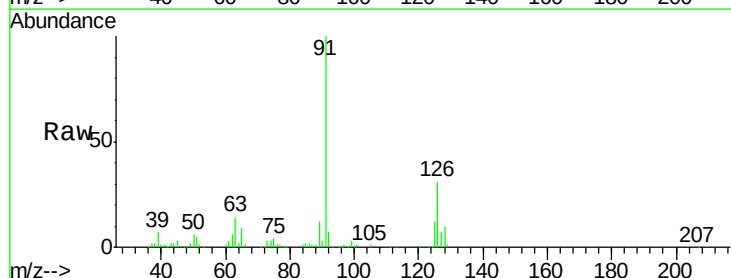
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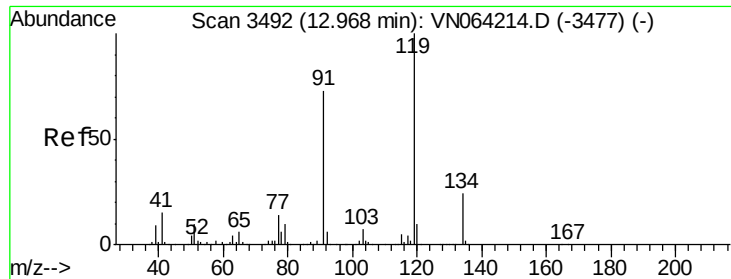
MMDadoda
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#82
4-Chlorotoluene
Concen: 19.800 ug/l
RT: 12.75 min Scan# 3423
Delta R.T. -0.00 min
Lab File: VN064227.D
Acq: 21 Oct 2020 17:32

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.8	47.3





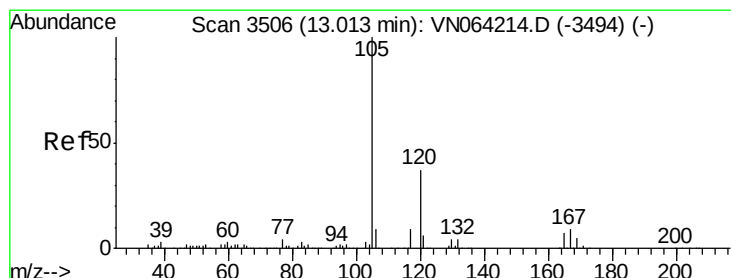
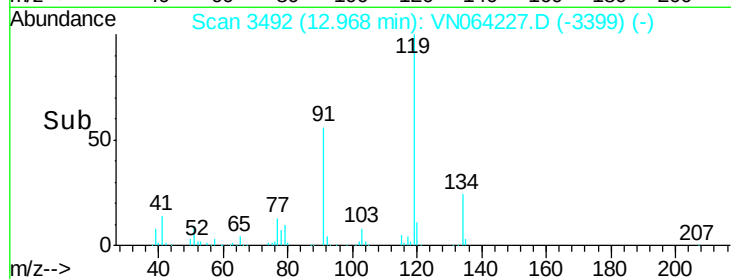
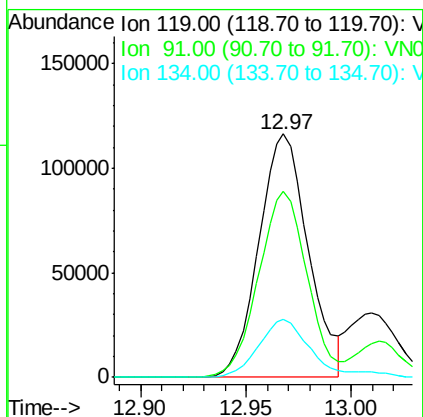
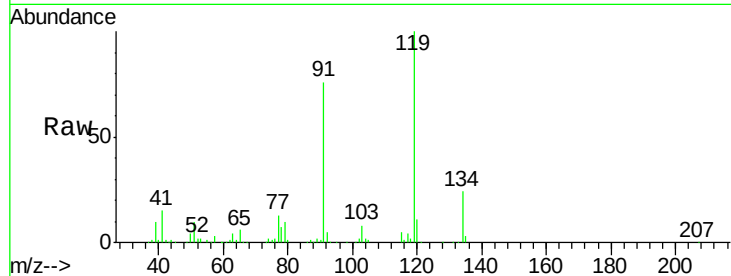
#83
 tert-Butylbenzene
 Concen: 18.546 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. -0.00 min
 Lab File: VN064227.D
 Acq: 21 Oct 2020 17:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1021MBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	74.8	35.1	105.3
134	25.7	11.6	34.8

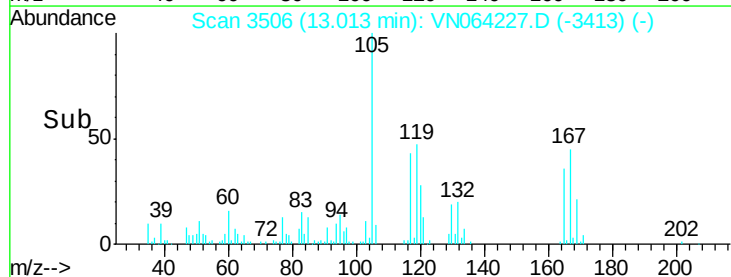
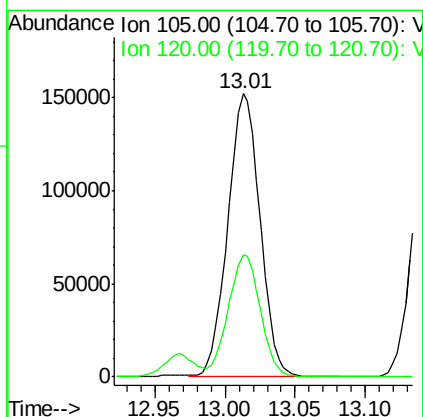
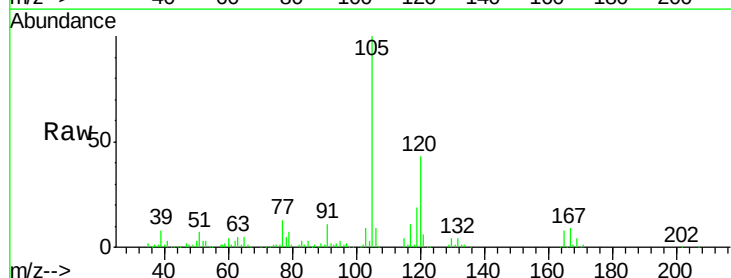
Manual Integrations
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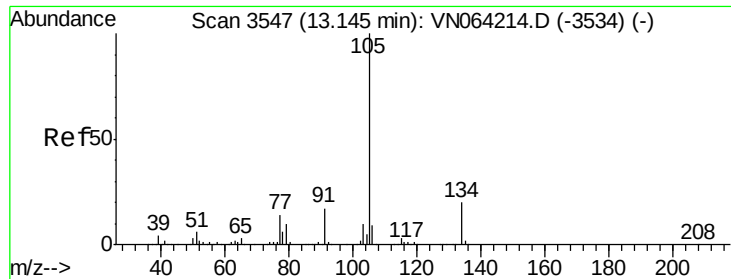
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.618 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. -0.00 min
 Lab File: VN064227.D
 Acq: 21 Oct 2020 17:32

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.7	21.5	64.5





#85

sec-Butylbenzene

Concen: 19.139 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN064227.D

Acq: 21 Oct 2020 17:32

Instrument :

MSVOA_N

ClientSampleId :

VN1021MBS01

Tot Ion:105 Resp: 246622

Ion Ratio Lower Upper

105 100

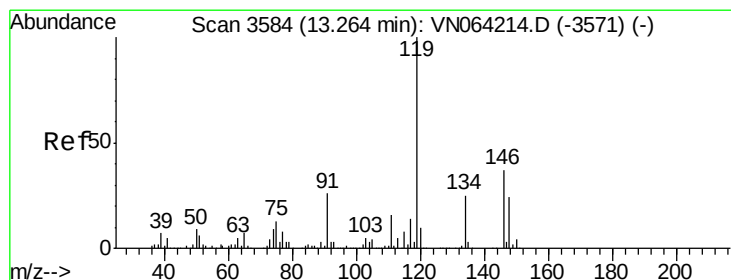
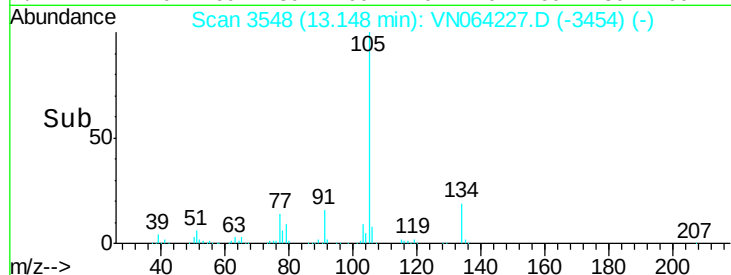
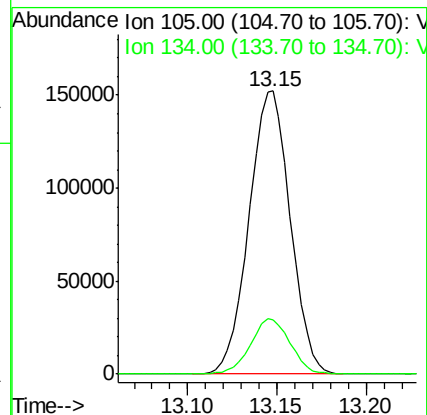
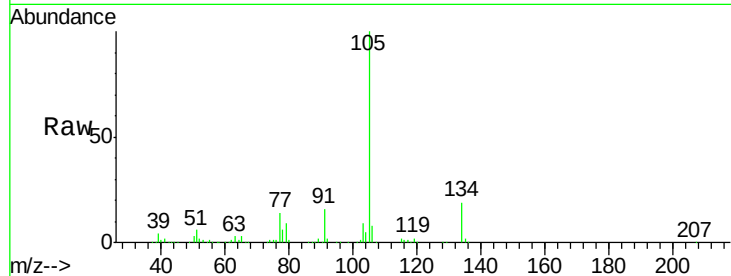
134 18.9 9.7 29.1

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#86

p-Isopropyltoluene

Concen: 19.185 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. -0.00 min

Lab File: VN064227.D

Acq: 21 Oct 2020 17:32

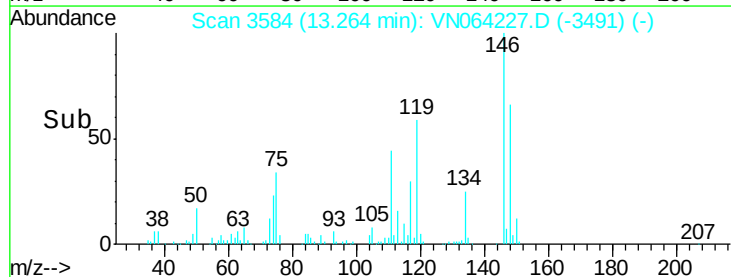
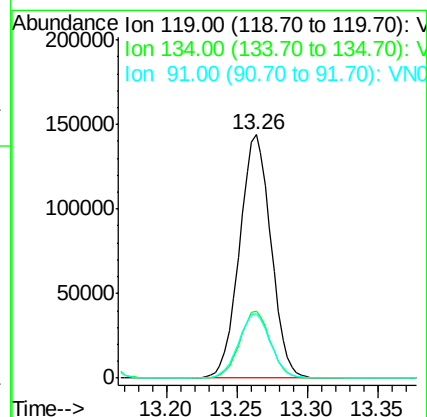
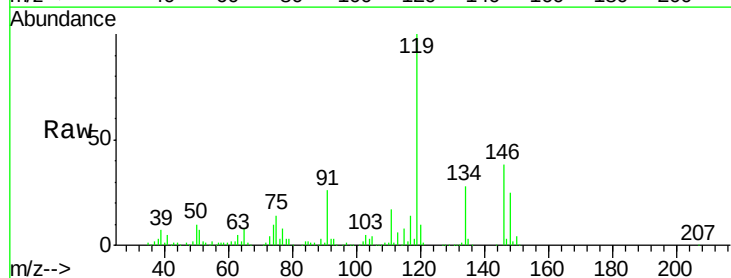
Tgt Ion:119 Resp: 225128

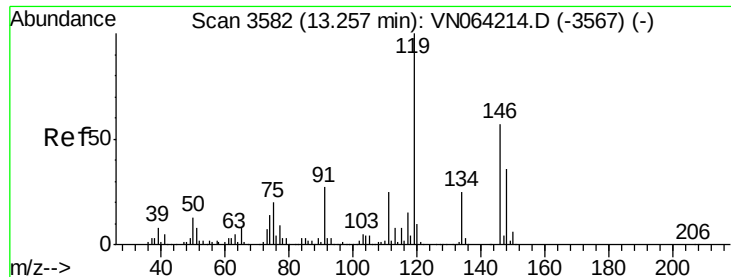
Ion Ratio Lower Upper

119 100

134 26.9 13.1 39.3

91 27.3 13.4 40.2





#87

1,3-Dichlorobenzene

Concen: 19.337 ug/l

RT: 13.26 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN064227.D

Acq: 21 Oct 2020 17:32

Instrument :

MSVOA_N

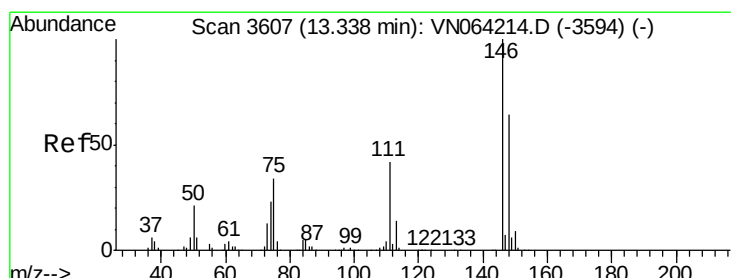
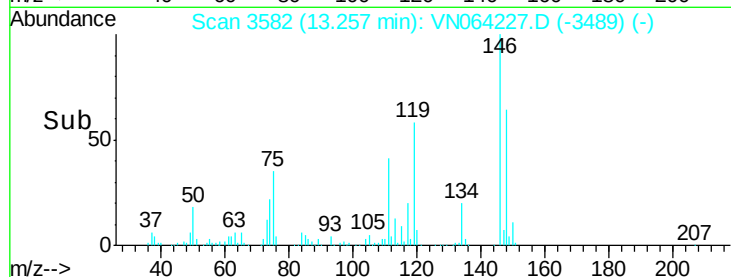
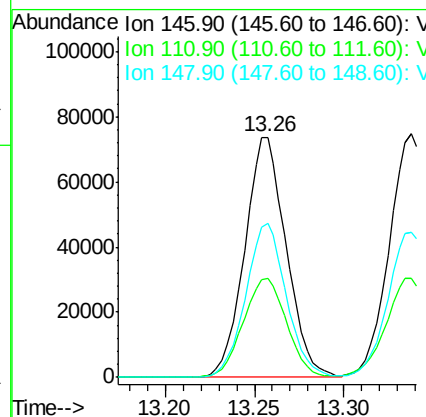
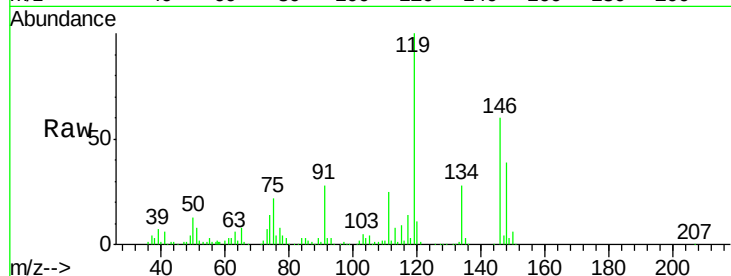
ClientSampleId :

VN1021MBS01

Tot Ion:	146	Resp:	119784
Ion Ratio	Lower	Upper	
146	100		
111	43.1	21.6	65.0
148	62.7	31.7	95.1

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.396 ug/l

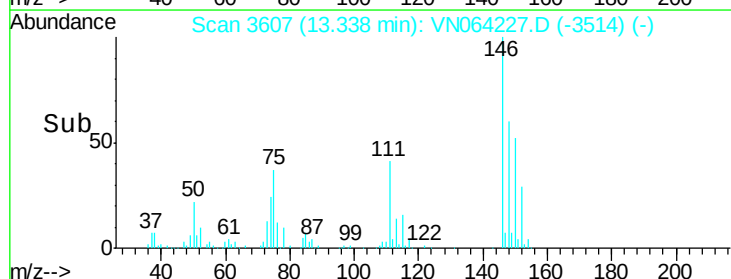
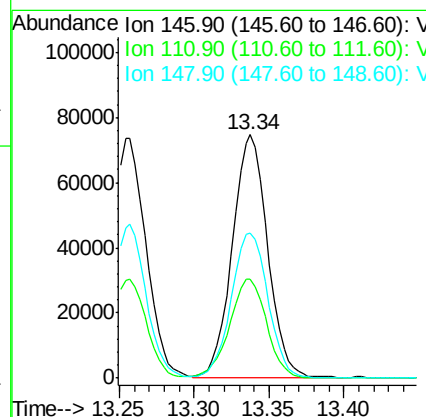
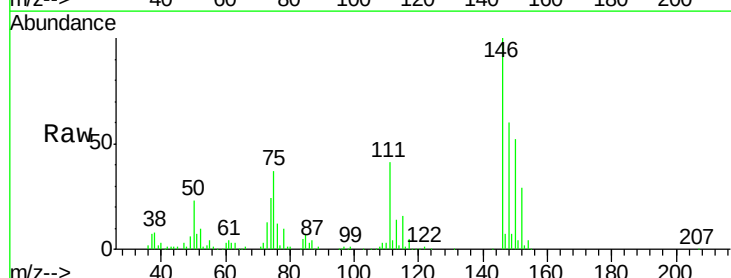
RT: 13.34 min Scan# 3607

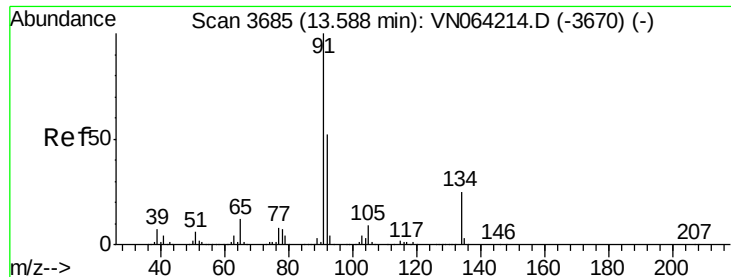
Delta R.T. -0.00 min

Lab File: VN064227.D

Acq: 21 Oct 2020 17:32

Tgt Ion:	146	Resp:	122979
Ion Ratio	Lower	Upper	
146	100		
111	42.8	21.5	64.5
148	61.6	32.0	96.0





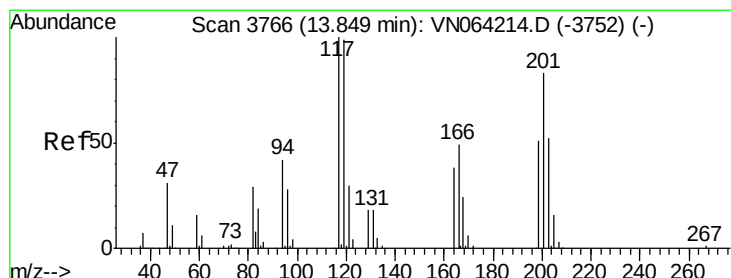
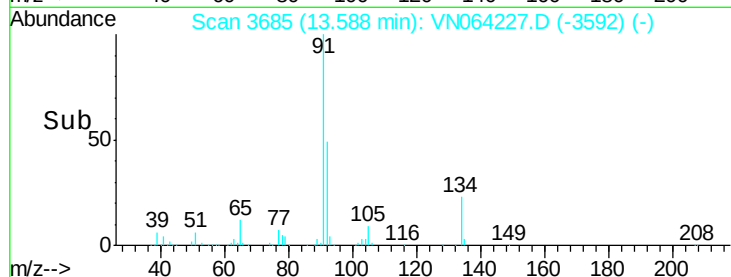
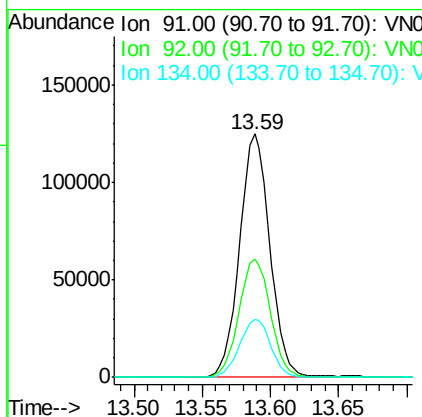
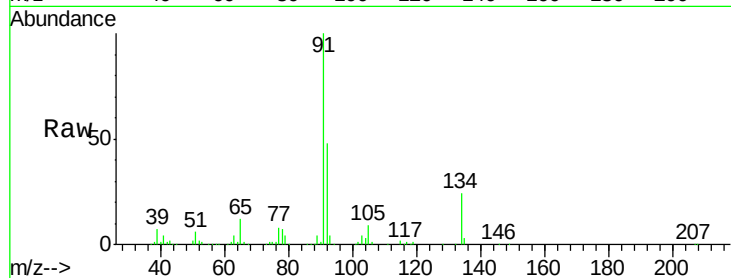
#89
n-Butylbenzene
Concen: 18.286 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN064227.D
Acq: 21 Oct 2020 17:32

Instrument :
MSVOA_N
ClientSampleId :
VN1021MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.5	25.7	77.0
134	24.6	12.3	36.8

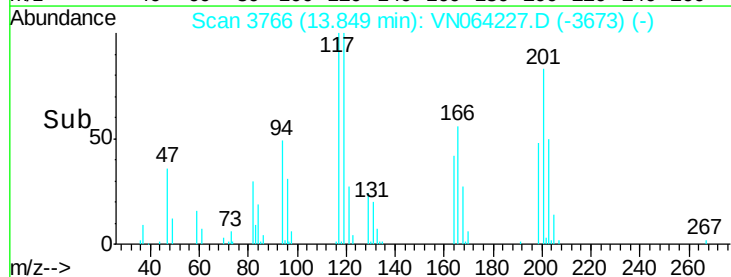
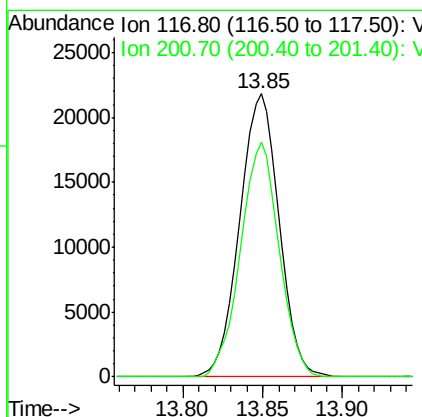
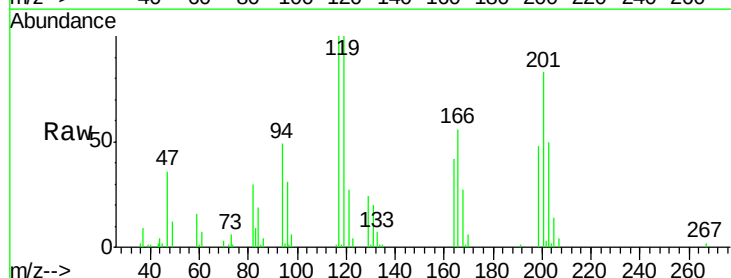
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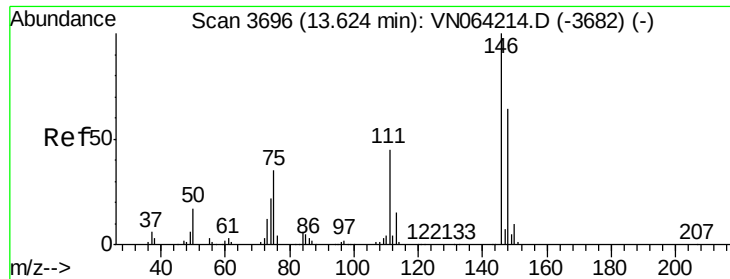
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#90
Hexachloroethane
Concen: 17.194 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN064227.D
Acq: 21 Oct 2020 17:32

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.2	40.1	120.3





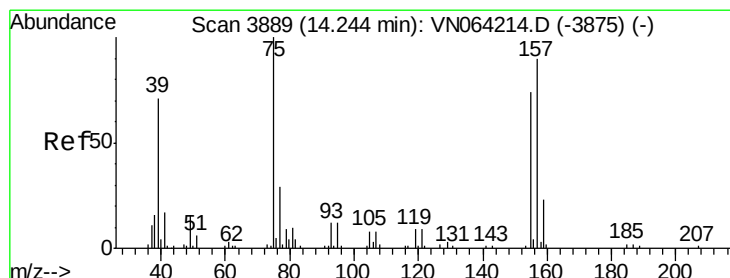
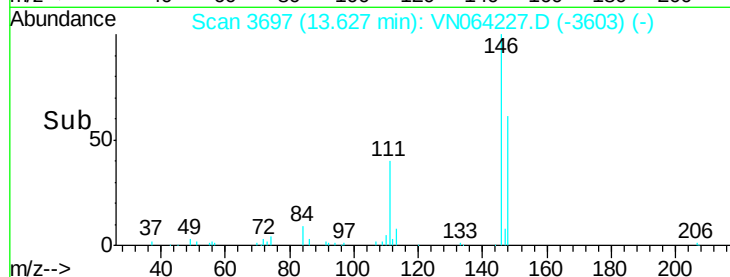
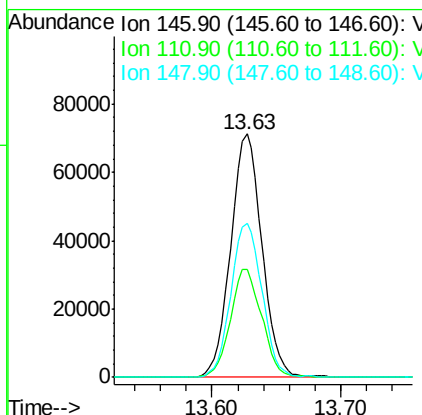
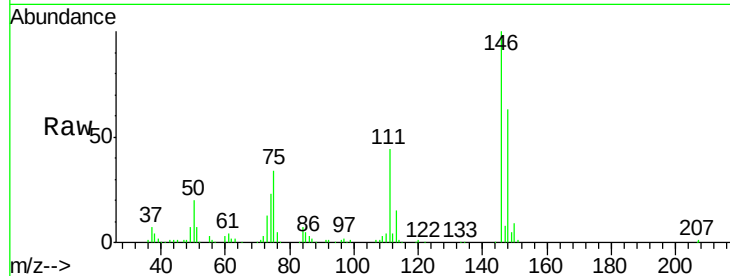
#91
 1,2-Dichlorobenzene
 Concen: 19.786 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064227.D
 Acq: 21 Oct 2020 17:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1021MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.5	22.9	68.7
148	62.6	31.9	95.5

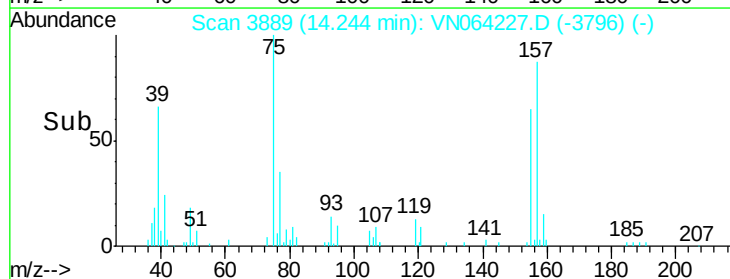
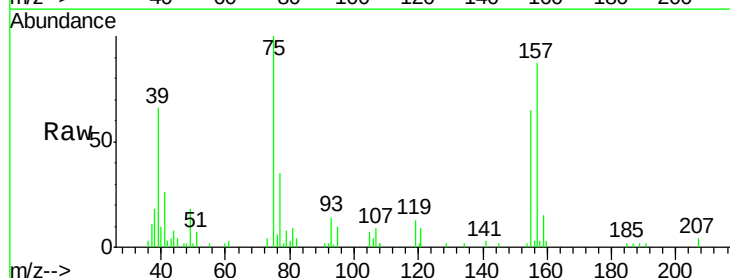
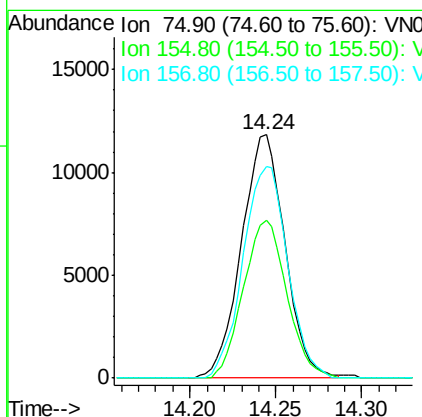
Manual Integrations
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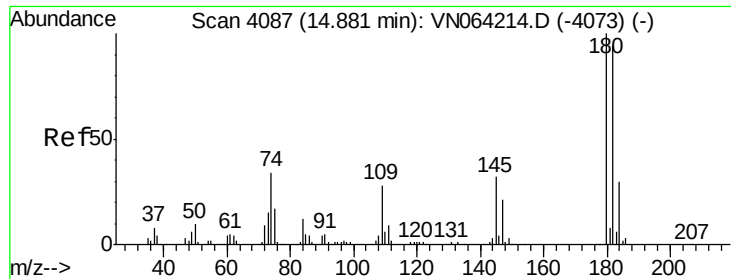
MMDadoda
 10/23/2020 2:10:18 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.261 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. -0.00 min
 Lab File: VN064227.D
 Acq: 21 Oct 2020 17:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	64.8	36.9	110.7
157	89.1	44.6	133.8





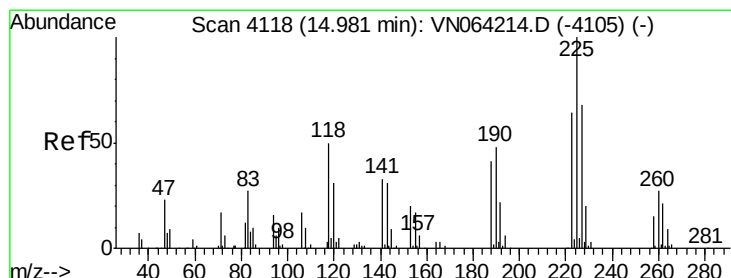
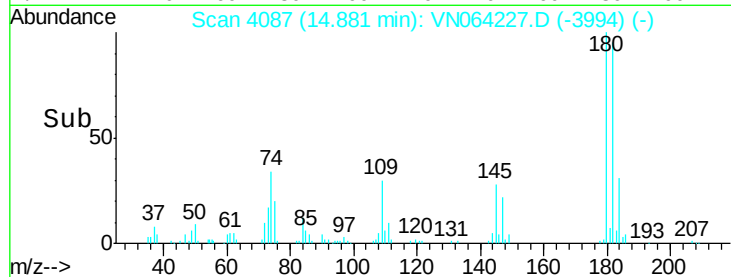
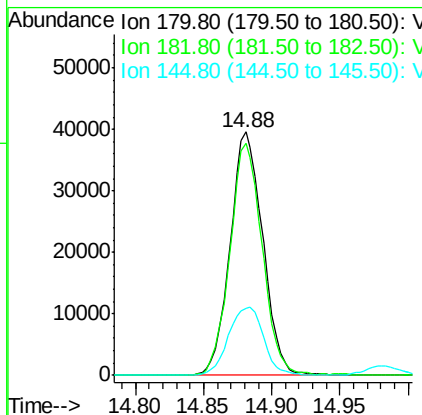
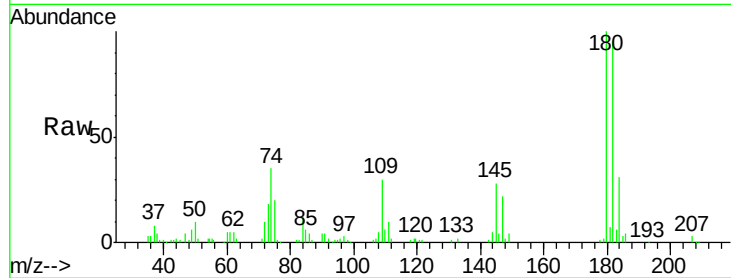
#93
 1,2,4-Trichlorobenzene
 Concen: 19.313 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN064227.D
 Acq: 21 Oct 2020 17:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1021MBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	46.9	140.7
145	30.0	16.1	48.3

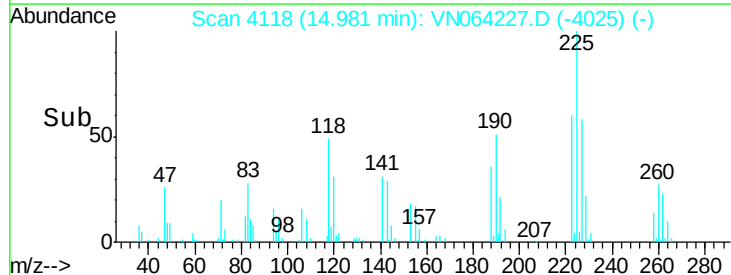
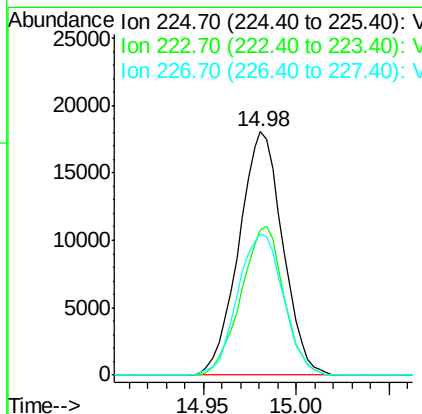
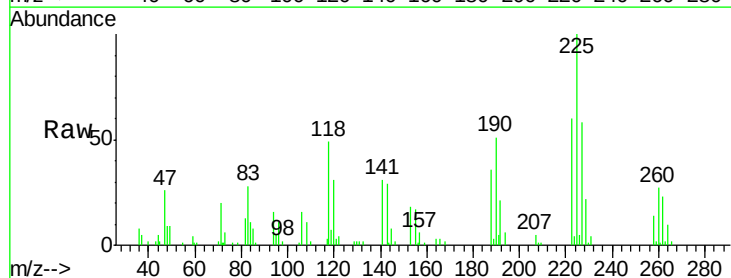
Manual Integrations
 APPROVED

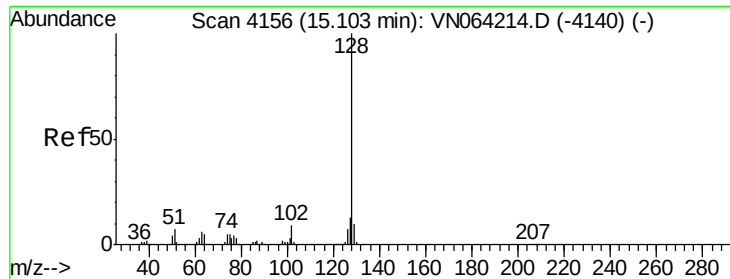
MMDadoda
 10/23/2020 2:10:18 PM



#94
 Hexachlorobutadiene
 Concen: 16.107 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064227.D
 Acq: 21 Oct 2020 17:32

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.3	31.5	94.5
227	60.7	32.1	96.5





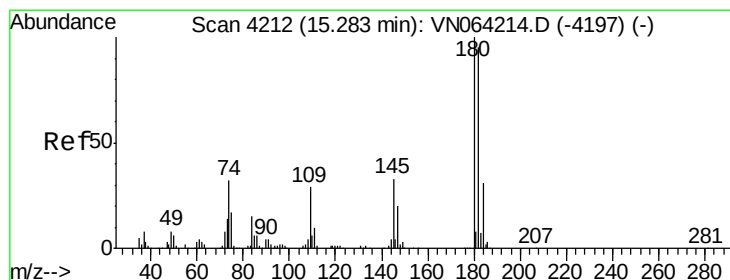
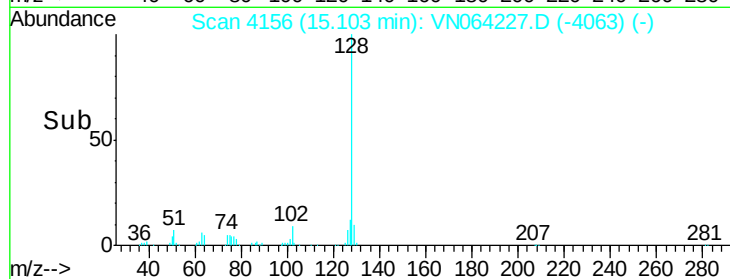
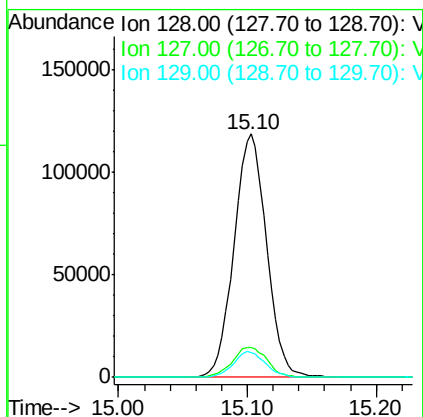
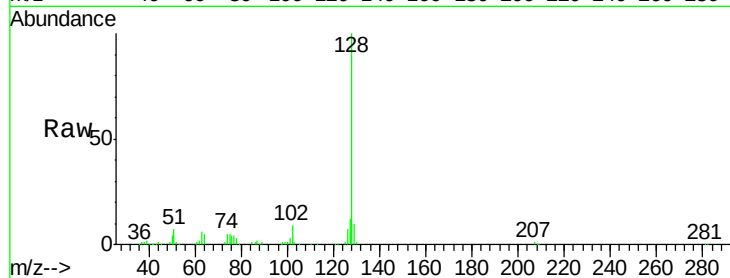
#95
Naphthalene
Concen: 20.411 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. -0.00 min
Lab File: VN064227.D
Acq: 21 Oct 2020 17:32

Instrument :
MSVOA_N
ClientSampleId :
VN1021MBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	10.3	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/23/2020 2:10:18 PM



#96
1,2,3-Trichlorobenzene
Concen: 18.532 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN064227.D
Acq: 21 Oct 2020 17:32

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.4	48.0	144.2
145	35.5	17.1	51.3

