

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN113020\
 Data File : VN064865.D
 Acq On : 30 Nov 2020 12:04
 Operator : JC/MD
 Sample : VN1130MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1130MBS01

Manual Integrations
 APPROVED

MMDadoda
 12/1/2020 9:35:02 AM

Quant Time: Dec 01 01:48:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 23 13:54:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	209373	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	324807	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	295048	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	142757	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	112501	46.22	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	92.44%
35) Dibromofluoromethane	7.55	113	96661	49.73	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	99.46%
50) Toluene-d8	10.06	98	376824	47.45	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	94.90%
62) 4-Bromofluorobenzene	12.38	95	136702	48.10	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	96.20%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	28803	15.873	ug/l	99
3) Chloromethane	2.04	50	37786	16.024	ug/l	98
4) Vinyl Chloride	2.17	62	40158	16.335	ug/l	96
5) Bromomethane	2.53	94	26036	16.142	ug/l	98
6) Chloroethane	2.67	64	25091	16.501	ug/l	99
7) Trichlorofluoromethane	2.99	101	57066	16.792	ug/l	97
8) Diethyl Ether	3.37	74	23761	17.713	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.71	101	35396	17.363	ug/l	98
10) Methyl Iodide	3.91	142	38221	14.454	ug/l	98
11) Tert butyl alcohol	4.75	59	28650	75.473	ug/l	100
12) 1,1-Dichloroethene	3.69	96	34240	16.865	ug/l	98
13) Acrolein	3.56	56	15949	68.785	ug/l	95
14) Allyl chloride	4.27	41	55457	16.561	ug/l	100
15) Acrylonitrile	4.93	53	84668	80.739	ug/l	98
16) Acetone	3.78	43	65376	81.704	ug/l	98
17) Carbon Disulfide	4.00	76	87253	16.648	ug/l	99
18) Methyl Acetate	4.28	43	40019	16.635	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	111286	17.090	ug/l	99
20) Methylene Chloride	4.50	84	42744	17.048	ug/l	95
21) trans-1,2-Dichloroethene	4.98	96	37283	16.536	ug/l	98
22) Diisopropyl ether	5.90	45	120436	17.969	ug/l	98
23) Vinyl Acetate	5.84	43	465462	86.842	ug/l	99
24) 1,1-Dichloroethane	5.80	63	70072	17.493	ug/l	100
25) 2-Butanone	6.79	43	107155	82.612	ug/l	94
26) 2,2-Dichloropropane	6.77	77	59689	17.181	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	43620	17.193	ug/l	98
28) Bromochloromethane	7.15	49	32132	17.535	ug/l	95
29) Tetrahydrofuran	7.17	42	71062	79.366	ug/l	98
30) Chloroform	7.33	83	71748	17.369	ug/l	98
31) Cyclohexane	7.61	56	58370	17.205	ug/l	92
32) 1,1,1-Trichloroethane	7.53	97	61772	17.411	ug/l	99
36) 1,1-Dichloropropene	7.75	75	51899	17.239	ug/l	99
37) Ethyl Acetate	6.88	43	49419	17.041	ug/l #	93
38) Carbon Tetrachloride	7.73	117	53954	17.224	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	57160	17.637	ug/l	98
40) Benzene	8.00	78	160293	17.375	ug/l	98
41) Methacrylonitrile	7.12	41	19913	14.881	ug/l	96
42) 1,2-Dichloroethane	8.08	62	53759	17.274	ug/l	98
43) Isopropyl Acetate	8.13	43	76168	16.322	ug/l #	90
44) Trichloroethene	8.80	130	48632	17.866	ug/l	97
45) 1,2-Dichloropropane	9.08	63	43156	18.063	ug/l	99
46) Dibromomethane	9.17	93	28216	17.678	ug/l	98
47) Bromodichloromethane	9.37	83	56956	17.735	ug/l	99
48) Methyl methacrylate	9.16	41	36289	16.274	ug/l	98
49) 1,4-Dioxane	9.16	88	13110	311.073	ug/l	92
51) 4-Methyl-2-Pentanone	9.95	43	235525	84.070	ug/l	100
52) Toluene	10.12	92	100334	17.660	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	59670	16.681	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	67580	17.626	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	41415	17.727	ug/l	99
56) Ethyl methacrylate	10.40	69	55319	17.158	ug/l	98
57) 1,3-Dichloropropane	10.68	76	68065	17.661	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	156285	88.126	ug/l	99
59) 2-Hexanone	10.72	43	168213	83.430	ug/l	98
60) Dibromochloromethane	10.87	129	46259	17.813	ug/l	98
61) 1,2-Dibromoethane	10.98	107	42397	17.862	ug/l	97
64) Tetrachloroethene	10.60	164	56682	19.746	ug/l	98
65) Chlorobenzene	11.41	112	112261	17.718	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	41648	17.886	ug/l	97
67) Ethyl Benzene	11.48	91	188956	17.852	ug/l	98
68) m/p-Xylenes	11.59	106	145446	36.293	ug/l	99
69) o-Xylene	11.92	106	68583	18.034	ug/l	100
70) Styrene	11.94	104	116013	18.071	ug/l	99
71) Bromoform	12.10	173	31209	16.781	ug/l #	99
73) Isopropylbenzene	12.22	105	183073	18.437	ug/l	99
74) N-amyl acetate	12.05	43	64352	16.468	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	48191	16.558	ug/l	97
76) 1,2,3-Trichloropropane	12.53	75	49297m	16.035	ug/l	
77) Bromobenzene	12.50	156	48218	18.012	ug/l	99
78) n-propylbenzene	12.57	91	210025	18.567	ug/l	100
79) 2-Chlorotoluene	12.65	91	126088	18.032	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	155207	18.805	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	18607	16.588	ug/l	95
82) 4-Chlorotoluene	12.75	91	133601	18.228	ug/l	100
83) tert-Butylbenzene	12.97	119	129541	18.725	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	157952	18.928	ug/l	100
85) sec-Butylbenzene	13.14	105	173585	18.898	ug/l	98
86) p-Isopropyltoluene	13.26	119	158864	18.997	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	84439	17.753	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	84662	16.832	ug/l	98
89) n-Butylbenzene	13.59	91	134251	18.280	ug/l	100
90) Hexachloroethane	13.85	117	26306	18.108	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	83835	17.951	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	9467	14.456	ug/l	92

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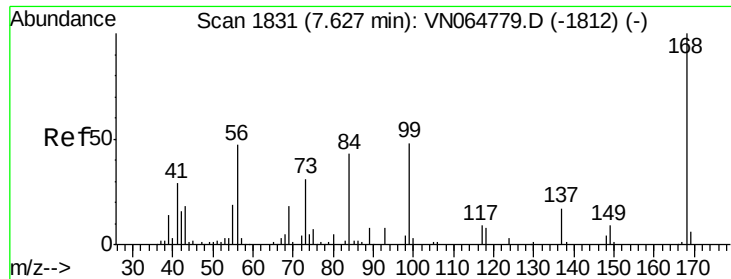
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	47376	16.399	ug/l	99
94) Hexachlorobutadiene	14.98	225	24607	19.146	ug/l	97
95) Naphthalene	15.10	128	132076	15.260	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	46860	17.985	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064865.D

Acq: 30 Nov 2020 12:04

Instrument :

MSVOA_N

ClientSampleId :

VN1130MBS01

Tot Ion:168 Resp: 209373

Ion Ratio Lower Upper

168 100

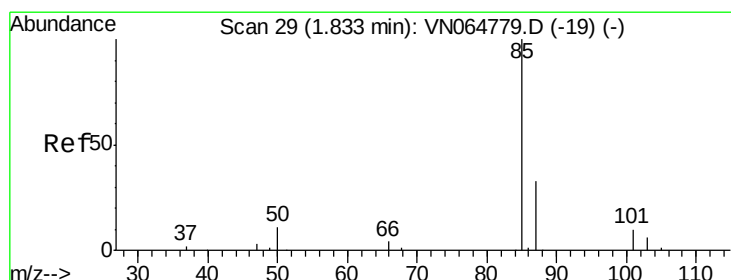
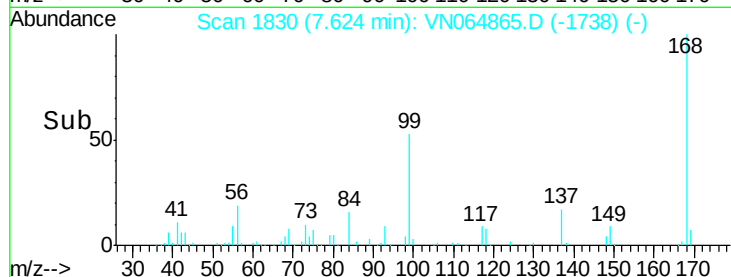
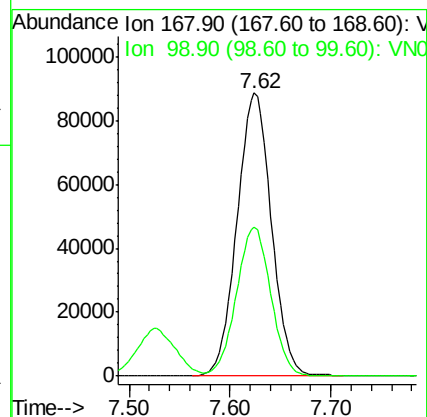
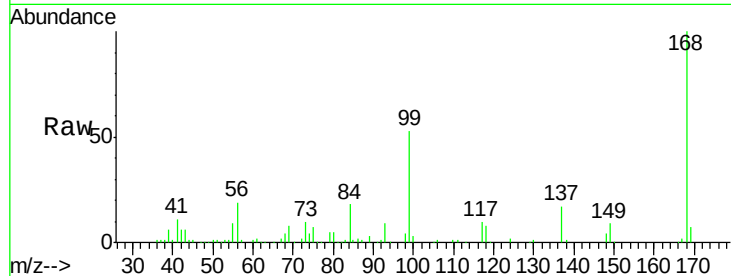
99 52.7 43.0 64.4

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 15.873 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064865.D

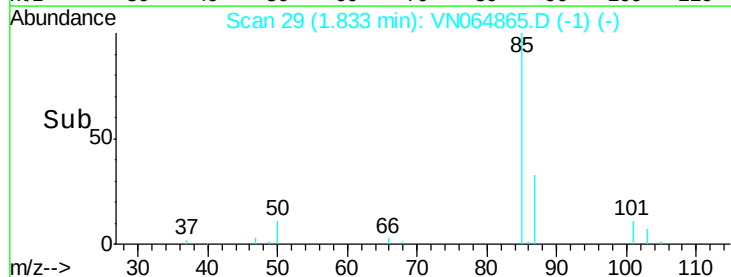
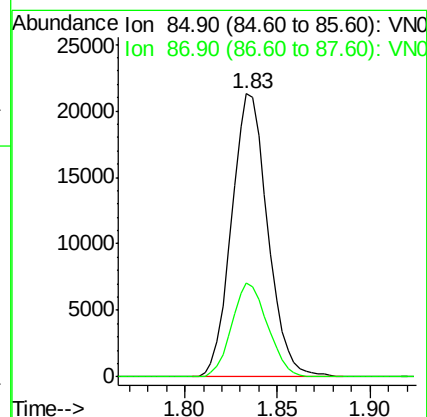
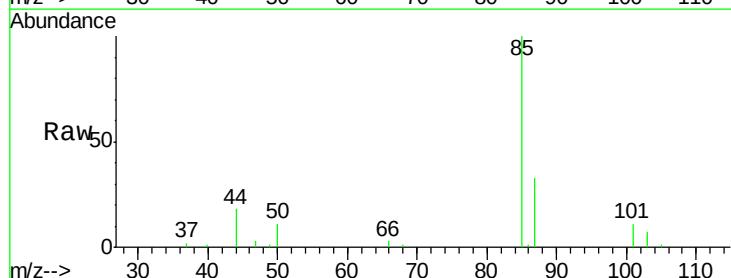
Acq: 30 Nov 2020 12:04

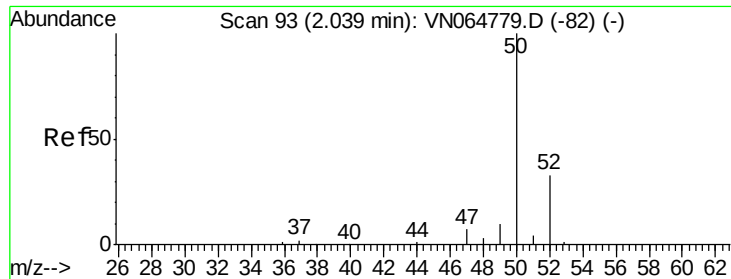
Tgt Ion: 85 Resp: 28803

Ion Ratio Lower Upper

85 100

87 33.3 16.4 49.4





#3

Chloromethane

Concen: 16.024 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064865.D

Acq: 30 Nov 2020 12:04

Instrument :

MSVOA_N

ClientSampleId :

VN1130MBS01

Tot Ion: 50 Resp: 37786

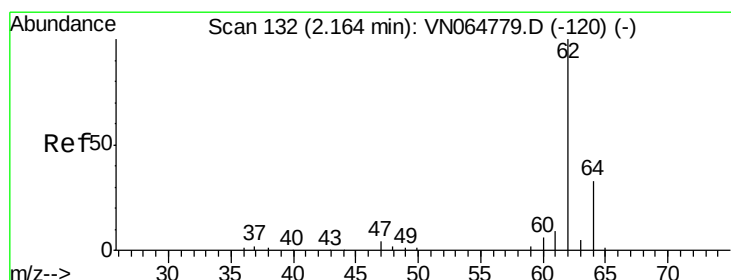
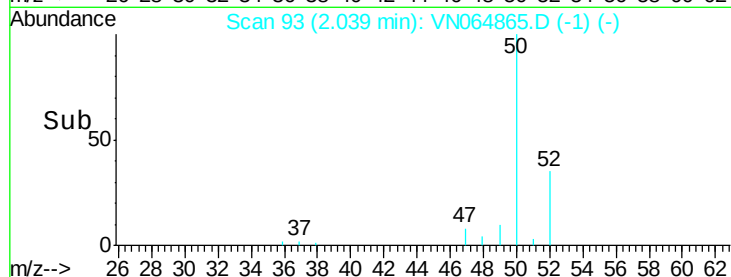
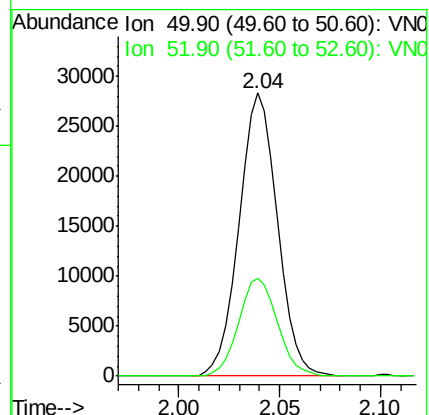
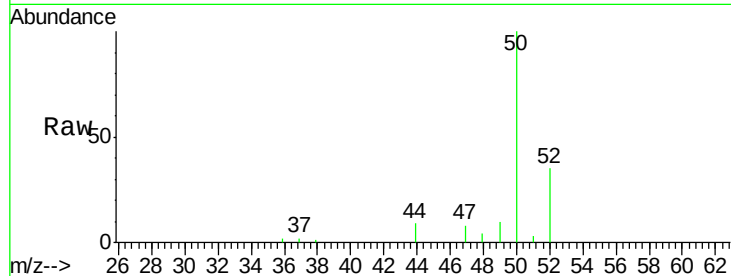
Ion Ratio Lower Upper

50 100

52 34.5 26.6 39.8

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#4

Vinyl Chloride

Concen: 16.335 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN064865.D

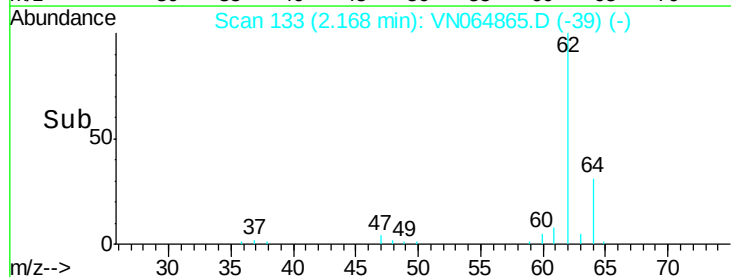
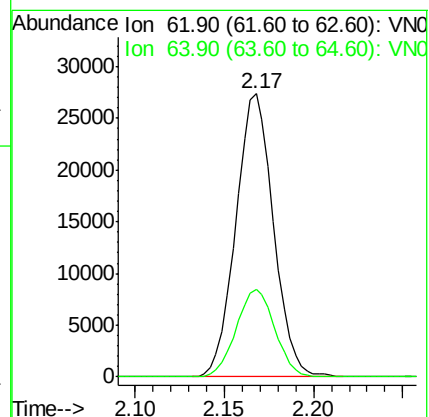
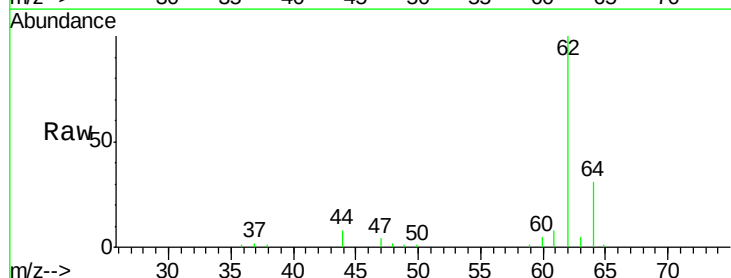
Acq: 30 Nov 2020 12:04

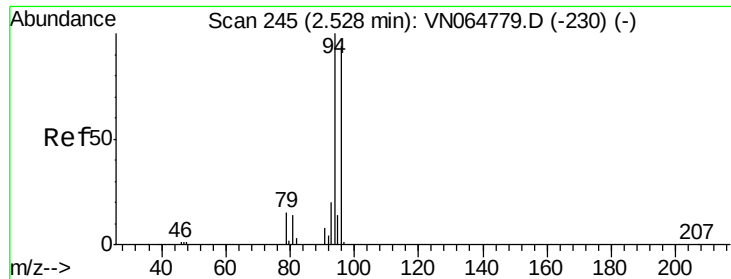
Tgt Ion: 62 Resp: 40158

Ion Ratio Lower Upper

62 100

64 30.8 26.5 39.7





#5

Bromomethane

Concen: 16.142 ug/l

RT: 2.53 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN064865.D

Acq: 30 Nov 2020 12:04

Instrument :

MSVOA_N

ClientSampleId :

VN1130MBS01

Tot Ion: 94 Resp: 26036

Ion Ratio Lower Upper

94 100

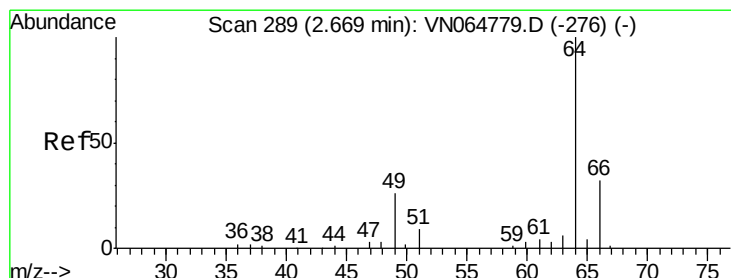
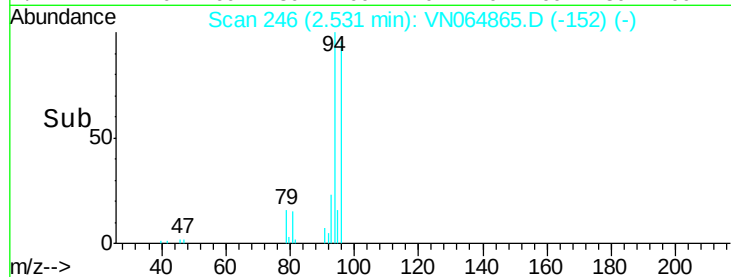
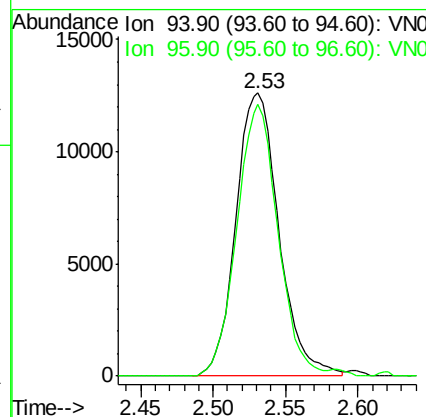
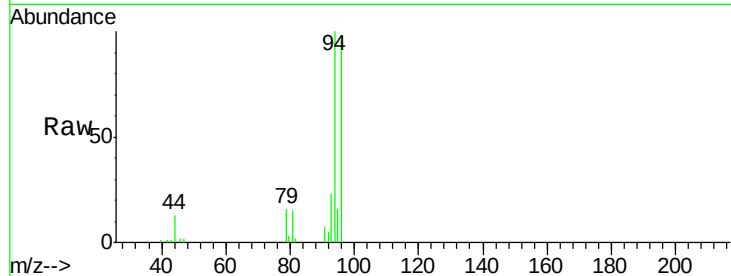
96 95.9 75.4 113.0

Manual Integrations

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12/1/2020 9:35:02 AM



#6

Chloroethane

Concen: 16.501 ug/l

RT: 2.67 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN064865.D

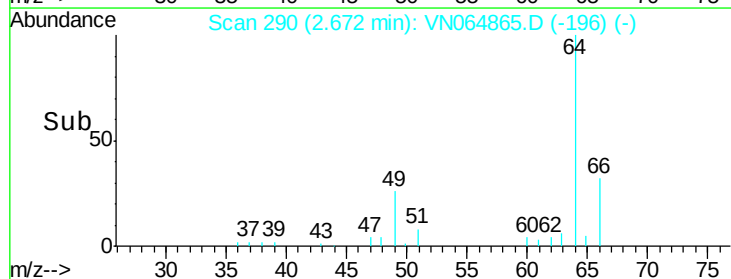
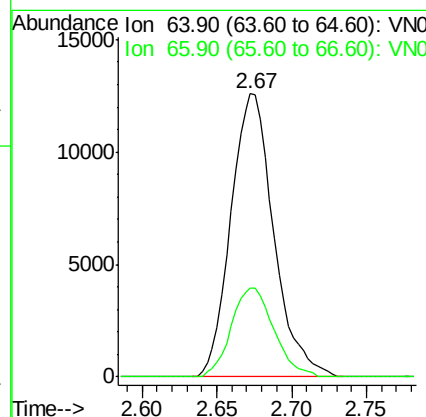
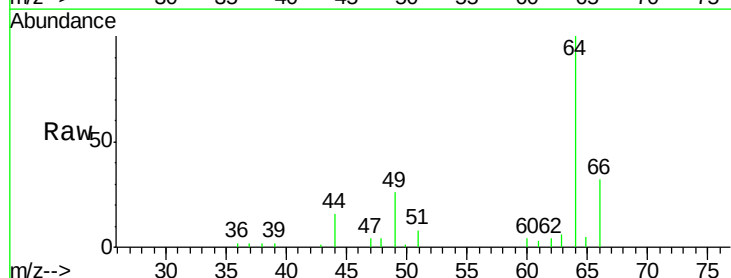
Acq: 30 Nov 2020 12:04

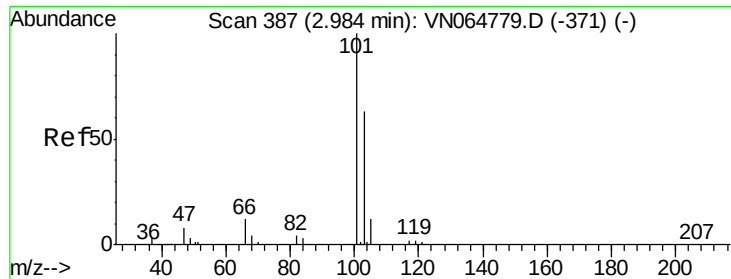
Tgt Ion: 64 Resp: 25091

Ion Ratio Lower Upper

64 100

66 31.6 25.6 38.4





#7

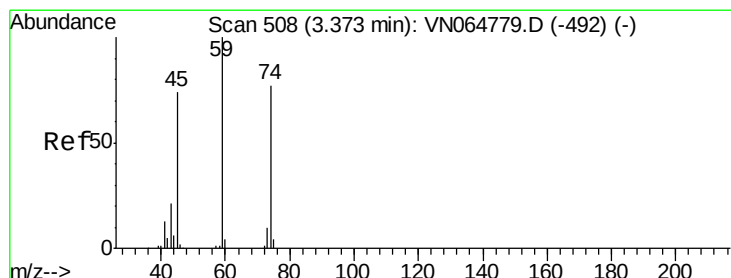
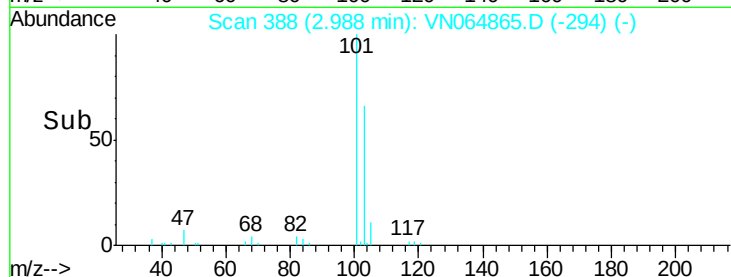
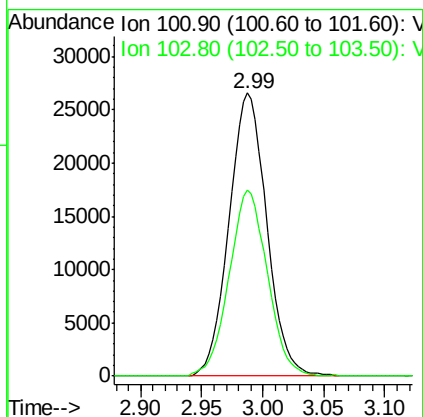
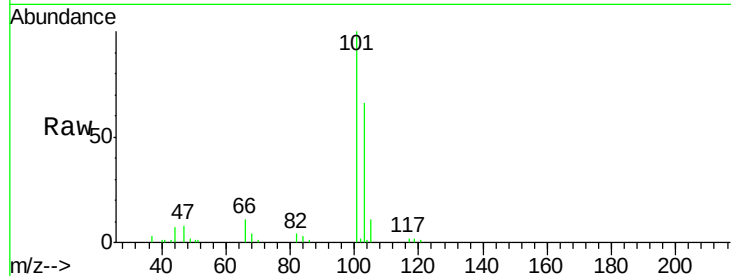
Trichlorofluoromethane
Concen: 16.792 ug/l
RT: 2.99 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN064865.D
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ClientSampleId :
VN1130MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.7	50.5	75.7

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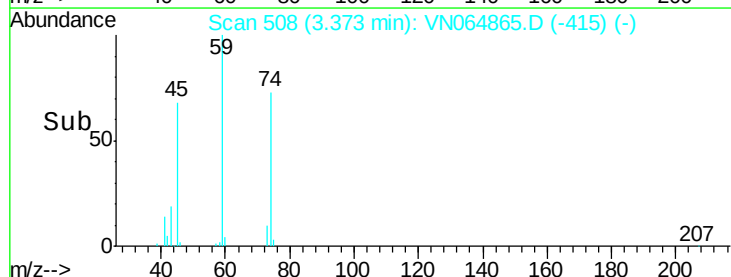
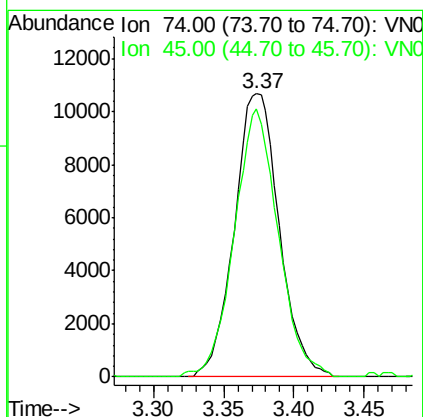
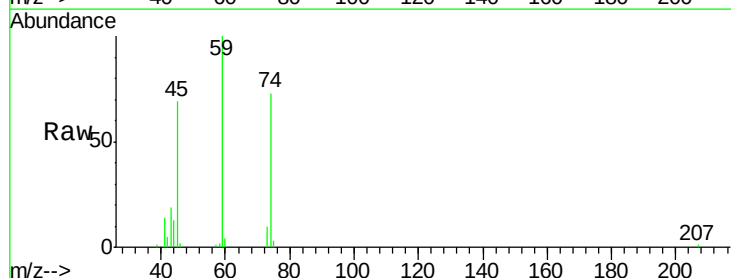
MMDadoda
12/1/2020 9:35:02 AM

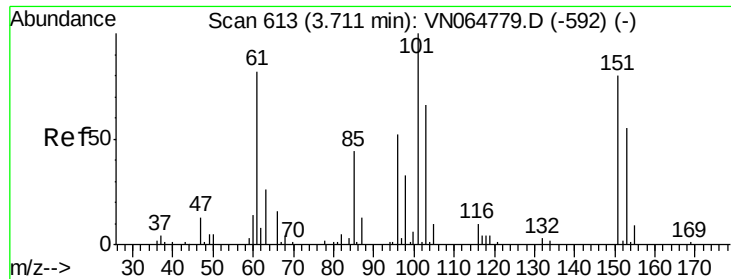


#8

Diethyl Ether
Concen: 17.713 ug/l
RT: 3.37 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN064865.D
Acq: 30 Nov 2020 12:04

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.8	48.9	146.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.363 ug/l

RT: 3.71 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN064865.D

Acq: 30 Nov 2020 12:04

Instrument :

MSVOA_N

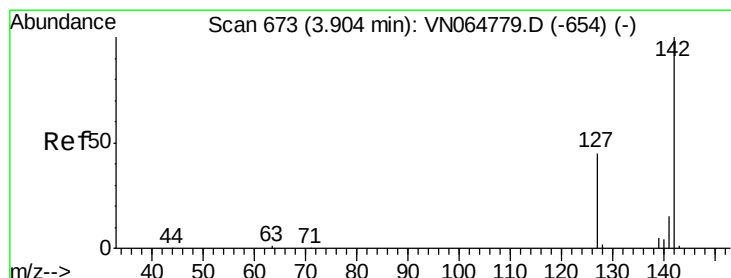
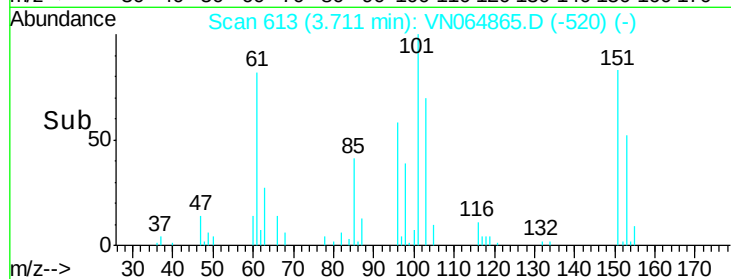
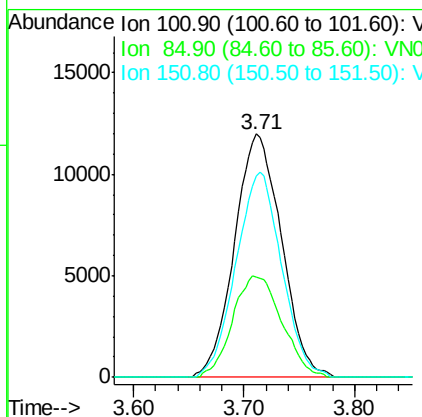
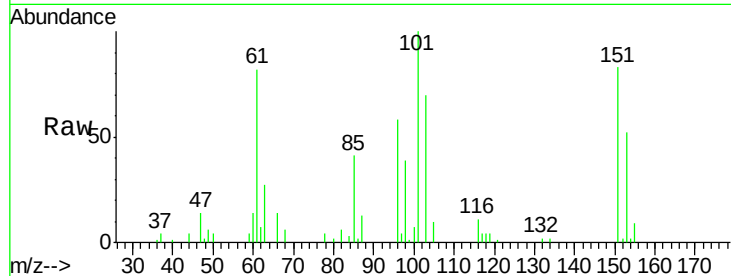
ClientSampleId :

VN1130MBS01

Tot Ion:	101	Resp:	35396
Ion Ratio	Lower	Upper	
101	100		
85	43.6	34.4	51.6
151	82.0	64.0	96.0

Manual Integrations
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12/1/2020 9:35:02 AM



#10

Methyl Iodide

Concen: 14.454 ug/l

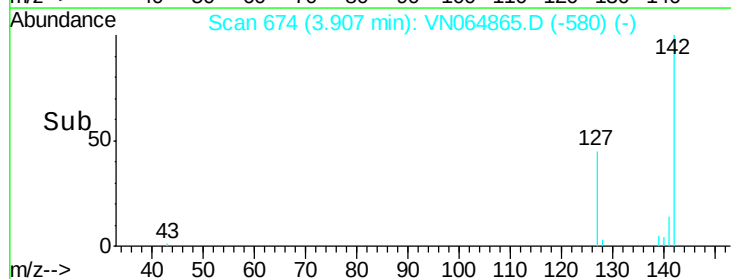
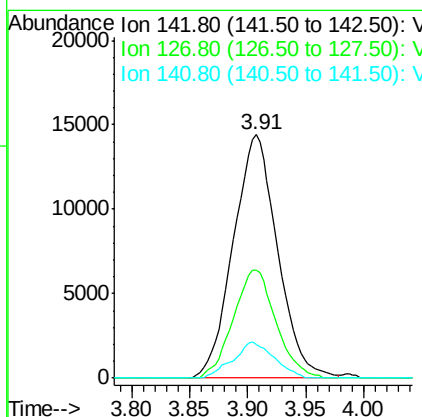
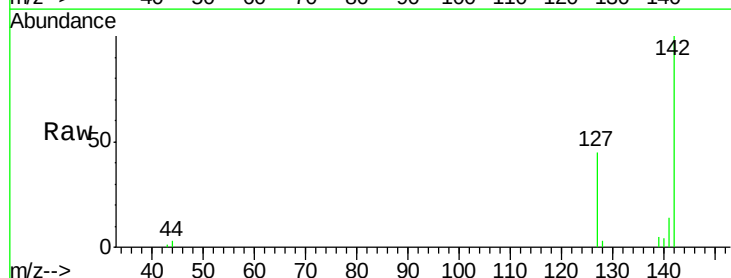
RT: 3.91 min Scan# 674

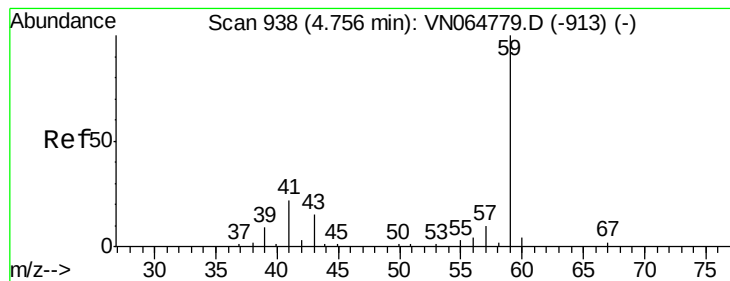
Delta R.T. 0.00 min

Lab File: VN064865.D

Acq: 30 Nov 2020 12:04

Tgt Ion:	142	Resp:	38221
Ion Ratio	Lower	Upper	
142	100		
127	42.8	35.0	52.6
141	13.8	11.8	17.6





#11

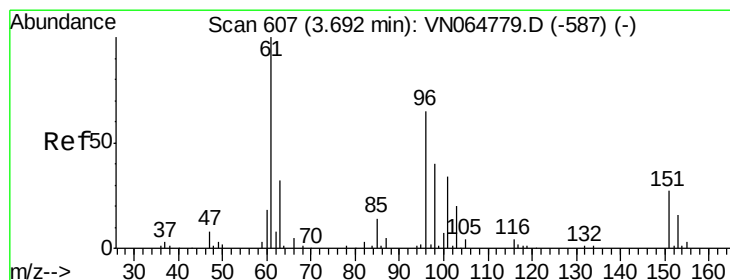
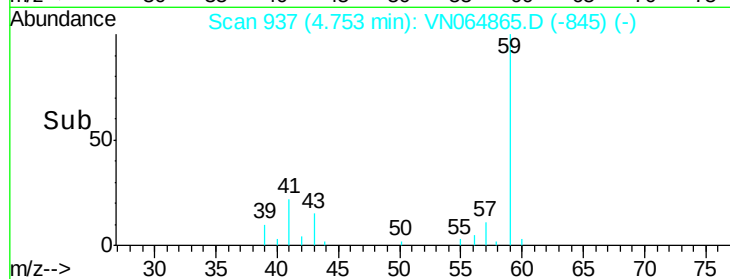
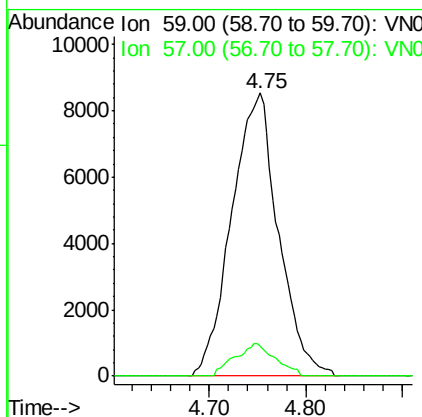
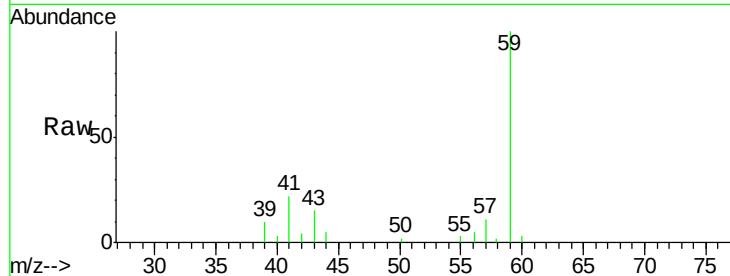
Tert butyl alcohol
Concen: 75.473 ug/l
RT: 4.75 min Scan# 937
Delta R.T. -0.00 min
Lab File: VN064865.D
Acq: 30 Nov 2020 12:04

Instrument :
MSVOA_N
ClientSampleId :
VN1130MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	7.9	11.9

Manual Integrations
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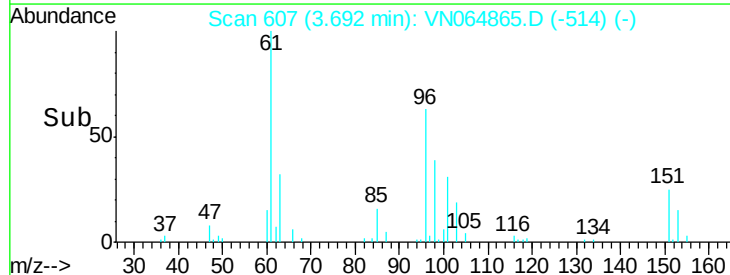
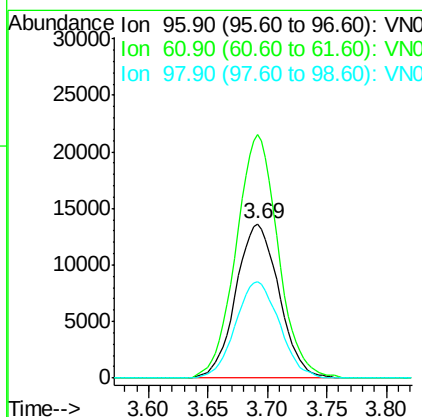
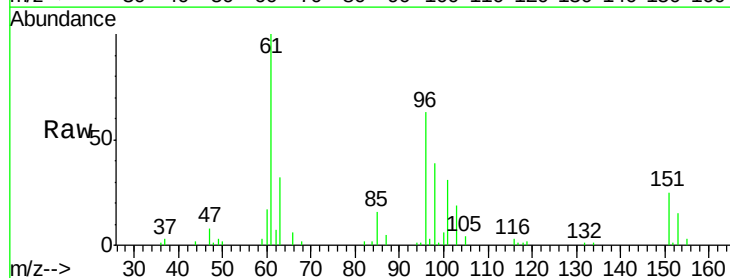
MMDadoda
12/1/2020 9:35:02 AM

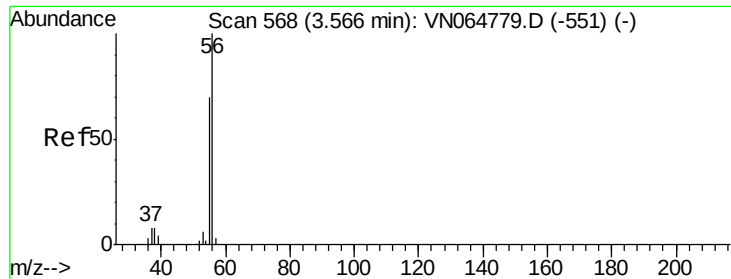


#12

1,1-Dichloroethene
Concen: 16.865 ug/l
RT: 3.69 min Scan# 607
Delta R.T. 0.00 min
Lab File: VN064865.D
Acq: 30 Nov 2020 12:04

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.9	123.4	185.2
98	62.3	49.8	74.8





#13

Acrolein

Concen: 68.785 ug/l

RT: 3.56 min Scan# 567

Delta R.T. -0.00 min

Lab File: VN064865.D

Acq: 30 Nov 2020 12:04

Instrument :

MSVOA_N

ClientSampleId :

VN1130MBS01

Tot Ion: 56 Resp: 15949

Ion Ratio Lower Upper

56 100

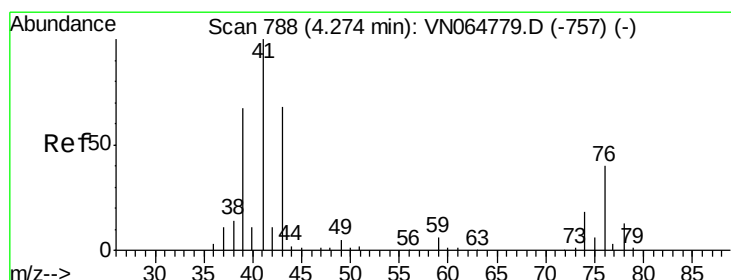
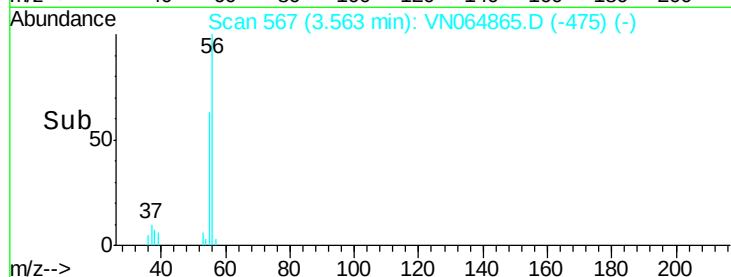
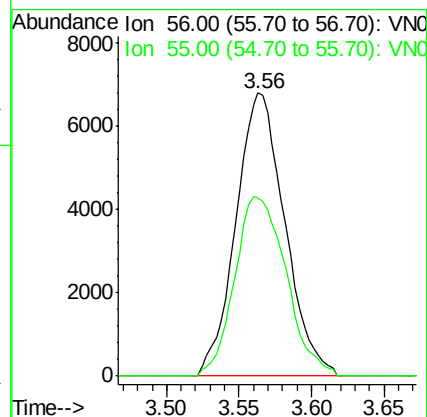
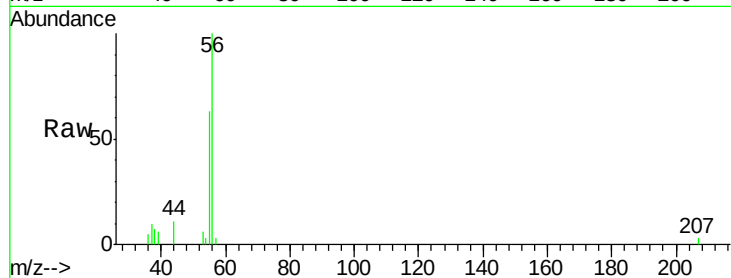
55 66.5 56.5 84.7

Manual Integrations

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#14

Allyl chloride

Concen: 16.561 ug/l

RT: 4.27 min Scan# 787

Delta R.T. -0.00 min

Lab File: VN064865.D

Acq: 30 Nov 2020 12:04

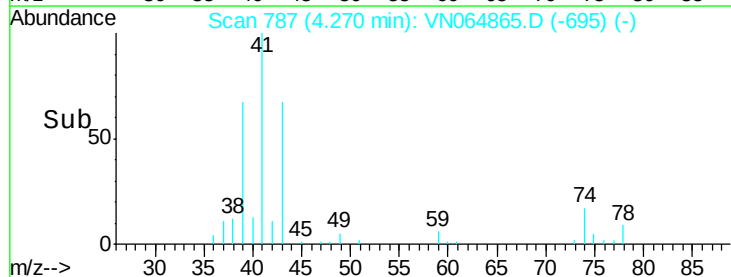
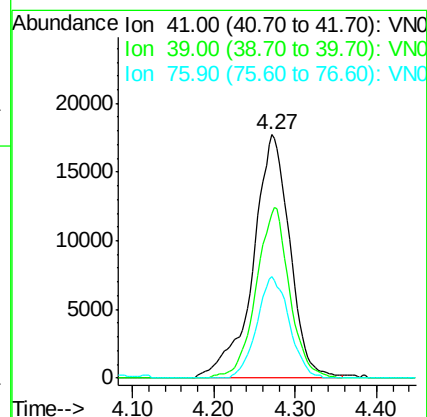
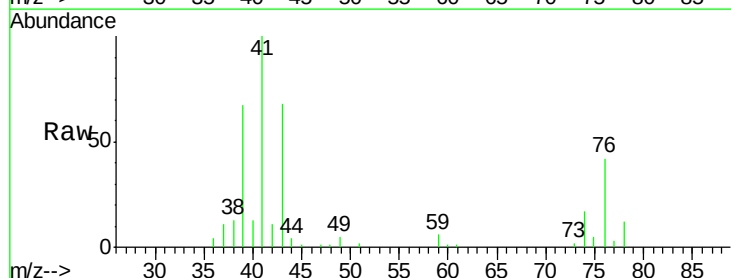
Tgt Ion: 41 Resp: 55457

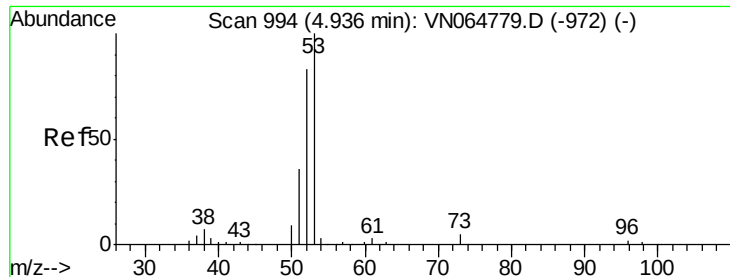
Ion Ratio Lower Upper

41 100

39 63.3 50.9 76.3

76 36.4 29.0 43.4





#15

Acrylonitrile

Concen: 80.739 ug/l

RT: 4.93 min Scan# 993

Delta R.T. -0.00 min

Lab File: VN064865.D

Acq: 30 Nov 2020 12:04

Instrument :

MSVOA_N

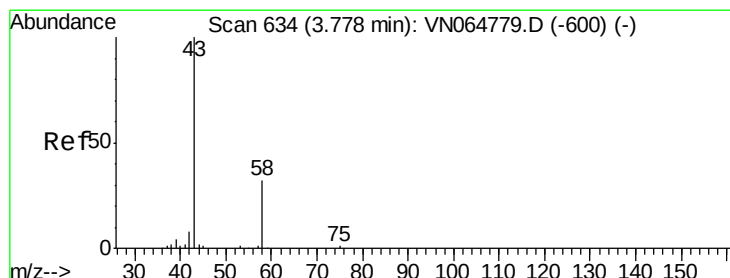
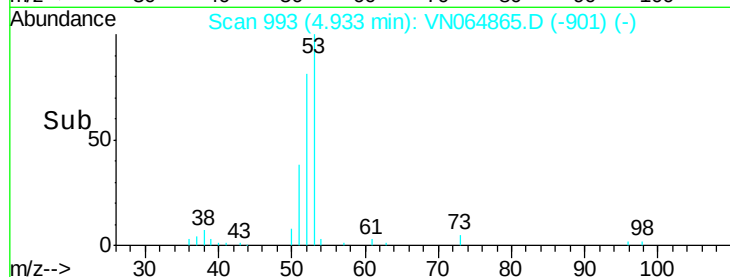
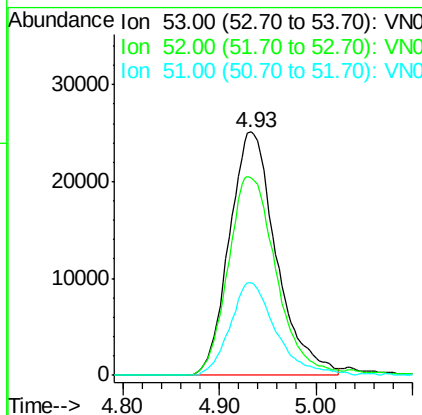
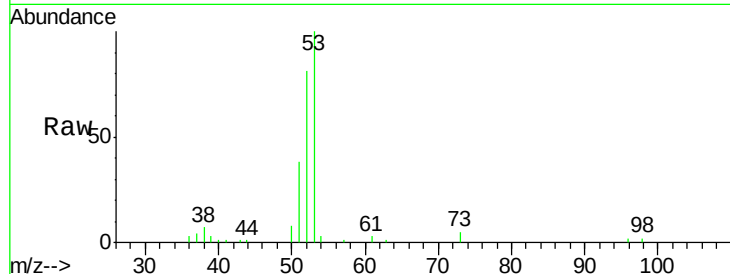
ClientSampleId :

VN1130MBS01

Tot Ion:	53	Resp:	84668
Ion	Ratio	Lower	Upper
53	100		
52	83.4	65.5	98.3
51	37.4	28.6	43.0

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#16

Acetone

Concen: 81.704 ug/l

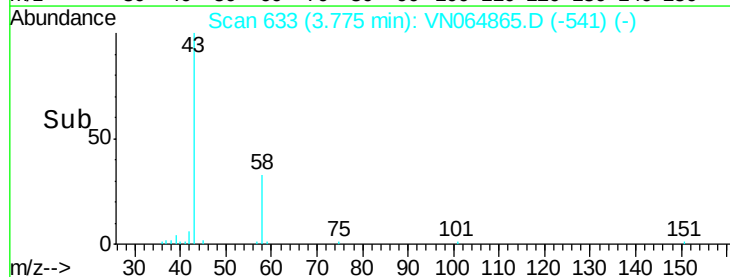
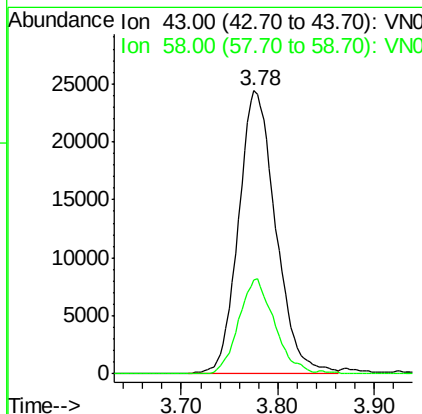
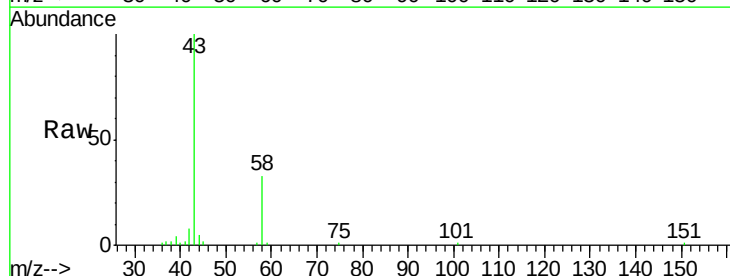
RT: 3.78 min Scan# 633

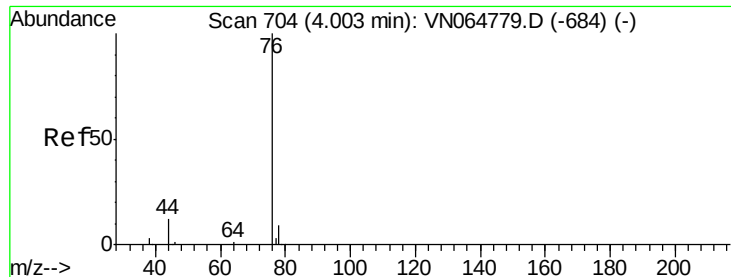
Delta R.T. -0.00 min

Lab File: VN064865.D

Acq: 30 Nov 2020 12:04

Tgt Ion:	43	Resp:	65376
Ion	Ratio	Lower	Upper
43	100		
58	33.1	25.7	38.5





#17

Carbon Disulfide

Concen: 16.648 ug/l

RT: 4.00 min Scan# 704

Delta R.T. 0.00 min

Lab File: VN064865.D

Acq: 30 Nov 2020 12:04

Instrument :

MSVOA_N

ClientSampleId :

VN1130MBS01

Tot Ion: 76 Resp: 87253

Ion Ratio Lower Upper

76 100

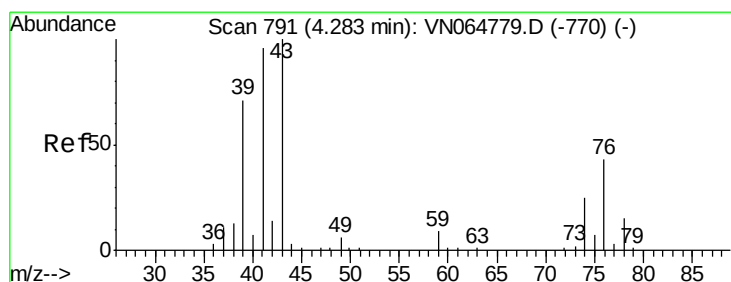
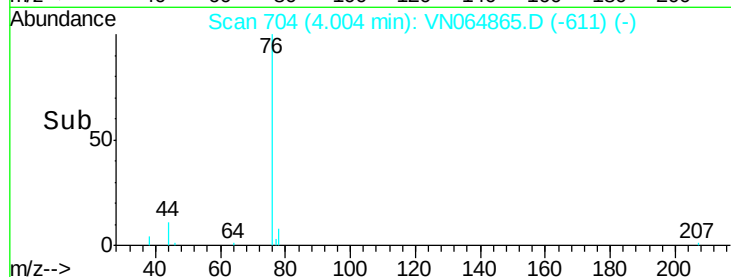
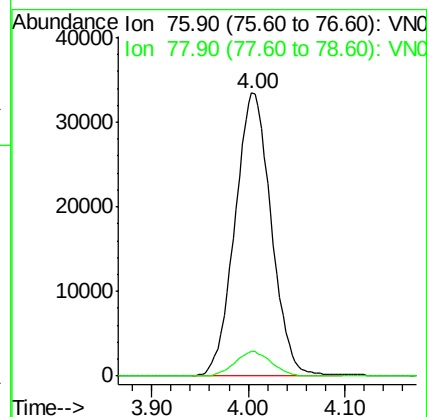
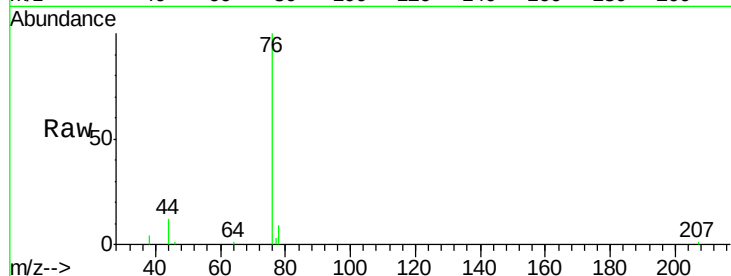
78 8.8 7.4 11.0

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#18

Methyl Acetate

Concen: 16.635 ug/l

RT: 4.28 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN064865.D

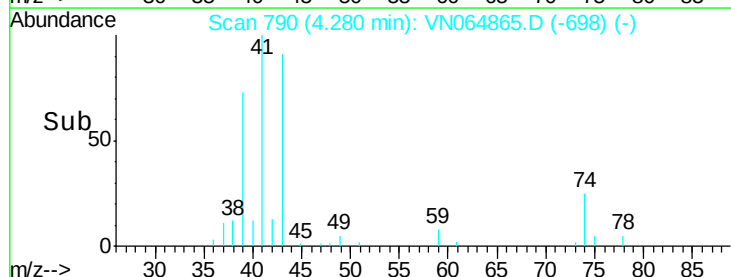
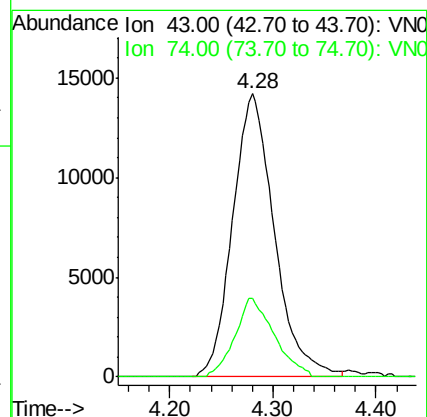
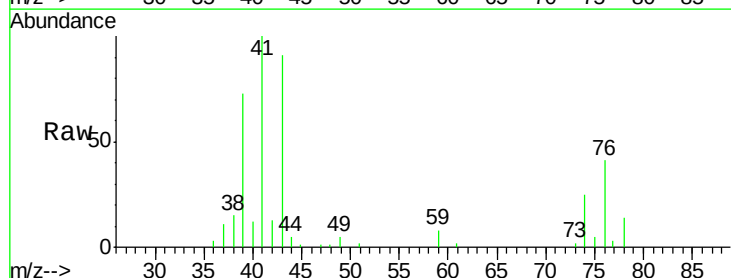
Acq: 30 Nov 2020 12:04

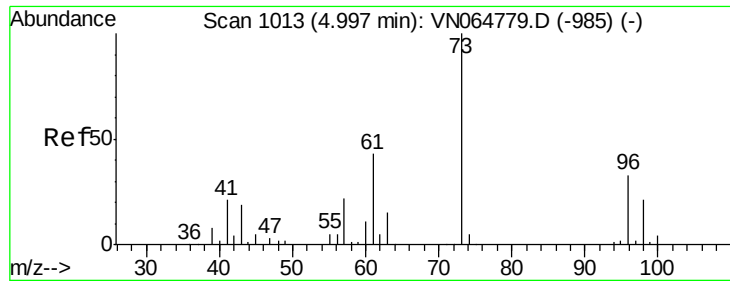
Tgt Ion: 43 Resp: 40019

Ion Ratio Lower Upper

43 100

74 26.2 20.2 30.2





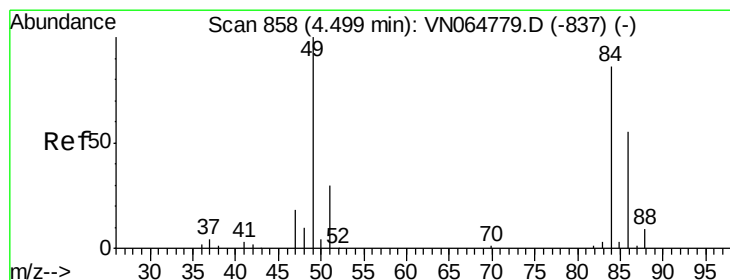
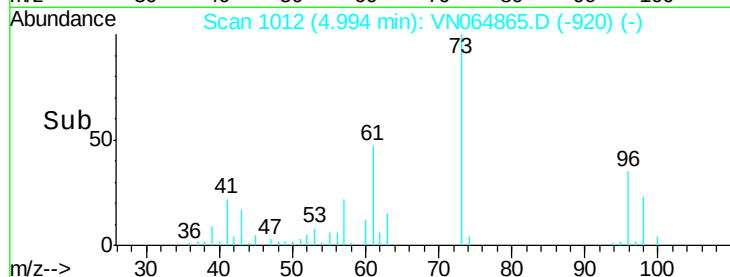
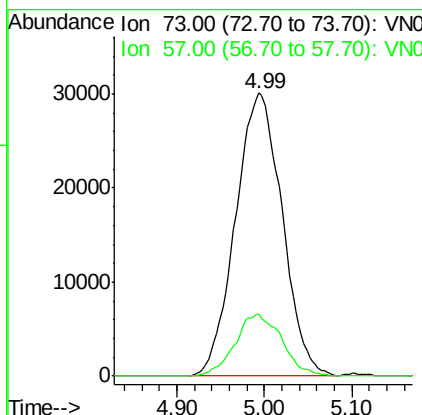
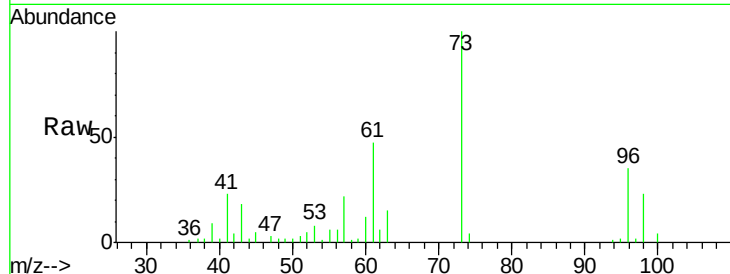
#19
Methyl tert-butyl Ether
Concen: 17.090 ug/l
RT: 4.99 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VN064865.D
Acq: 30 Nov 2020 12:04

Instrument :
MSVOA_N
ClientSampleId :
VN1130MBS01

Tot Ion: 73 Resp: 111286
Ion Ratio Lower Upper
73 100
57 21.9 17.4 26.0

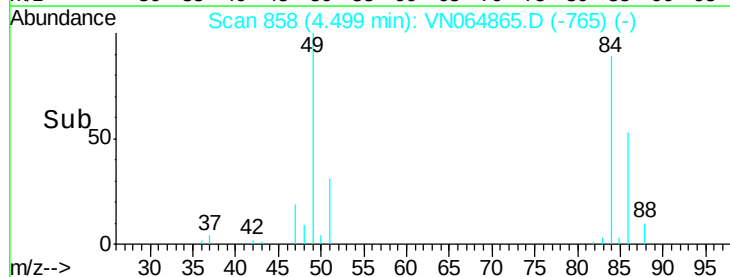
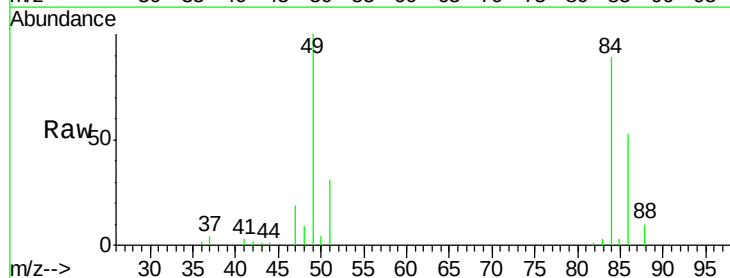
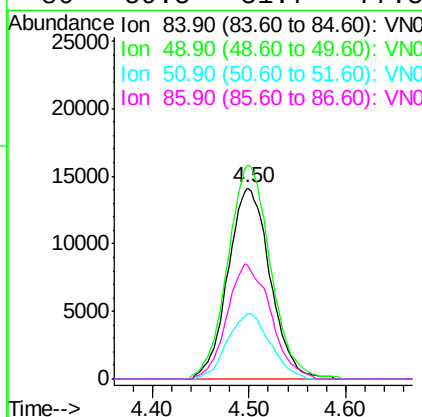
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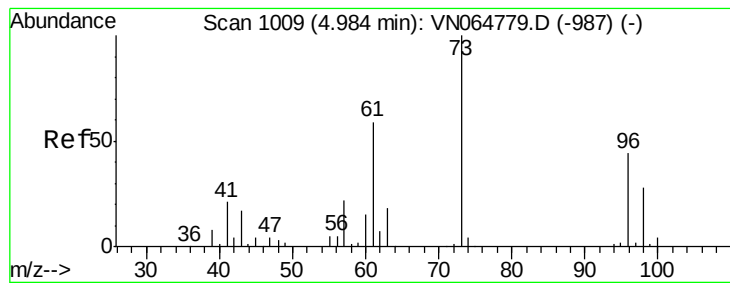
MMDadoda
12/1/2020 9:35:02 AM



#20
Methylene Chloride
Concen: 17.048 ug/l
RT: 4.50 min Scan# 858
Delta R.T. 0.00 min
Lab File: VN064865.D
Acq: 30 Nov 2020 12:04

Tgt Ion: 84 Resp: 42744
Ion Ratio Lower Upper
84 100
49 112.0 93.4 140.0
51 34.2 28.2 42.4
86 59.5 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 16.536 ug/l

RT: 4.98 min Scan# 1009

Delta R.T. 0.00 min

Lab File: VN064865.D

Acq: 30 Nov 2020 12:04

Instrument :

MSVOA_N

ClientSampleId :

VN1130MBS01

Tot Ion: 96 Resp: 37283

Ion Ratio Lower Upper

96 100

61 133.9 108.4 162.6

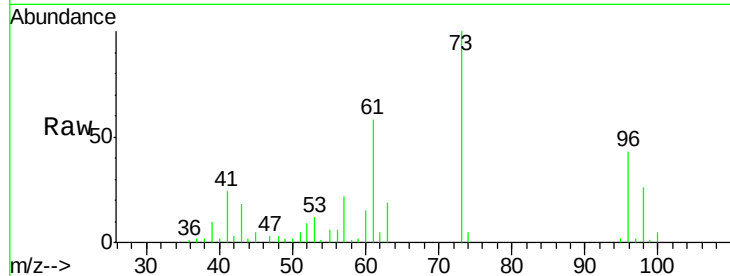
98 60.4 51.3 76.9

Manual Integrations

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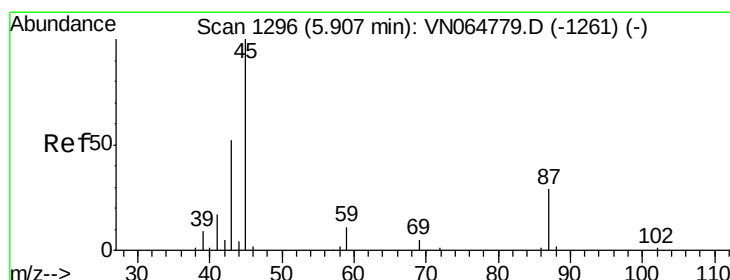
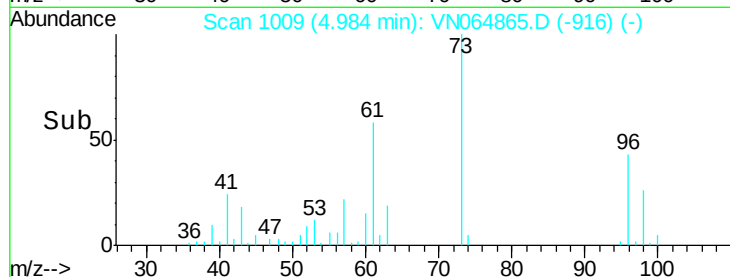
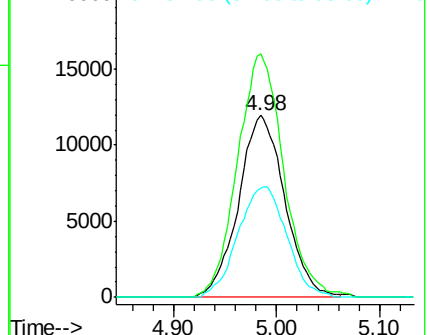
12/1/2020 9:35:02 AM



Abundance Ion 95.90 (95.60 to 96.60): VN064865.D (-916) (-)

Ion 60.90 (60.60 to 61.60): VN064865.D (-916) (-)

Ion 97.90 (97.60 to 98.60): VN064865.D (-916) (-)



#22

Diisopropyl ether

Concen: 17.969 ug/l

RT: 5.90 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VN064865.D

Acq: 30 Nov 2020 12:04

Tgt Ion: 45 Resp: 120436

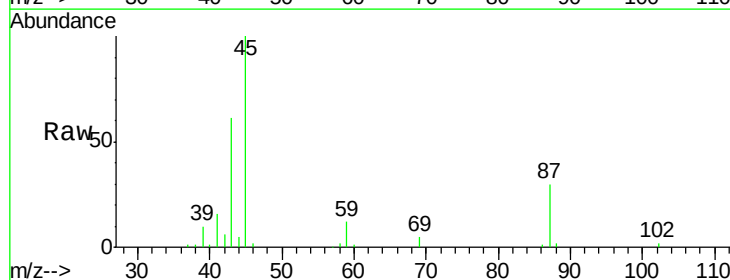
Ion Ratio Lower Upper

45 100

43 59.2 46.2 69.2

87 30.3 24.1 36.1

59 12.2 9.0 13.4

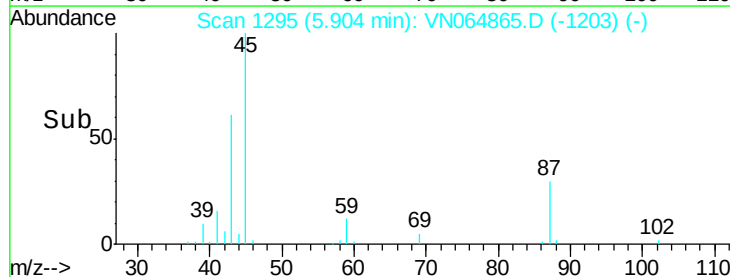
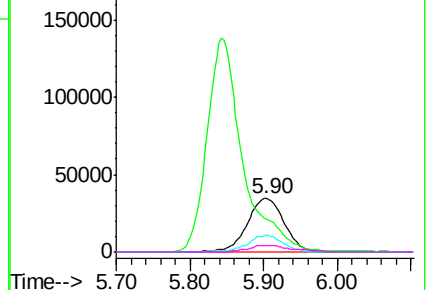


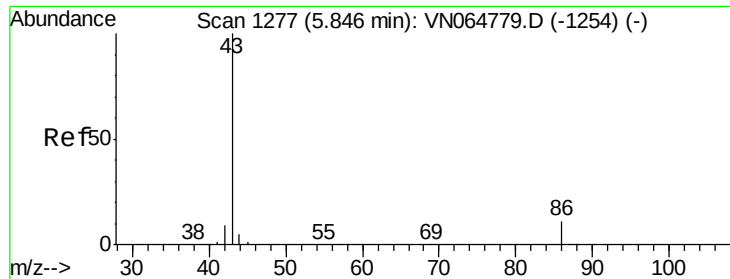
Abundance Ion 45.00 (44.70 to 45.70): VN064865.D (-1203) (-)

Ion 43.00 (42.70 to 43.70): VN064865.D (-1203) (-)

Ion 87.00 (86.70 to 87.70): VN064865.D (-1203) (-)

Ion 59.00 (58.70 to 59.70): VN064865.D (-1203) (-)





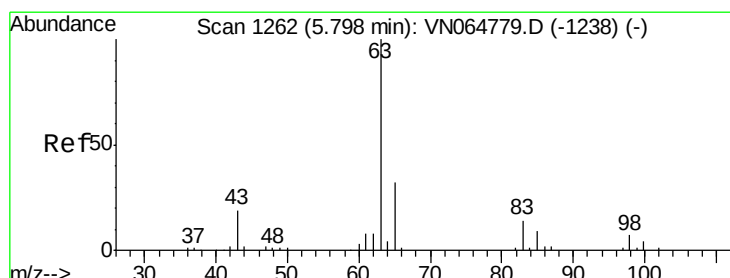
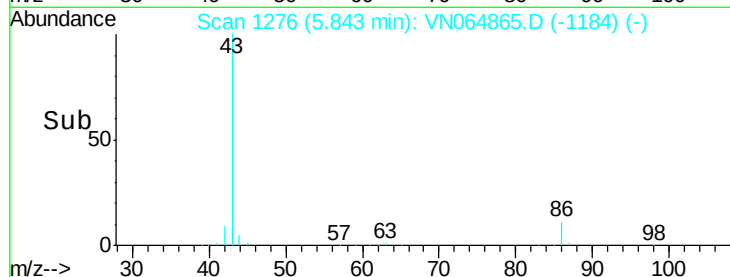
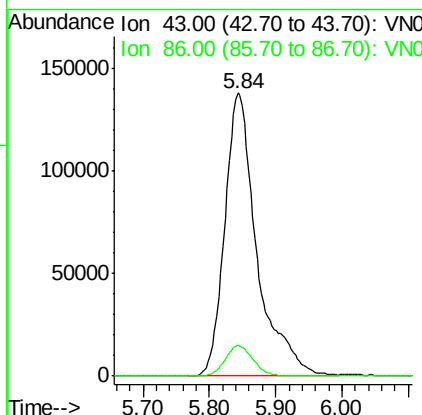
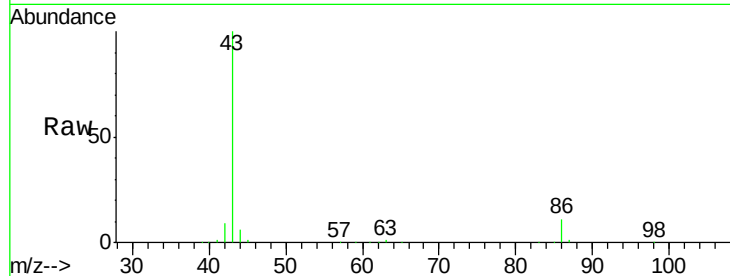
#23
 Vinyl Acetate
 Concen: 86.842 ug/l
 RT: 5.84 min Scan# 1276
 Delta R.T. -0.00 min
 Lab File: VN064865.D
 Acq: 30 Nov 2020 12:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1130MBS01

Tot Ion	43	Resp	465462
Ion Ratio	100	Lower	Upper
43	100		
86	10.8	8.9	13.3

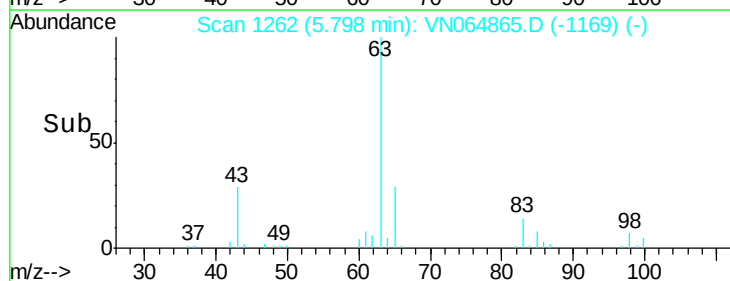
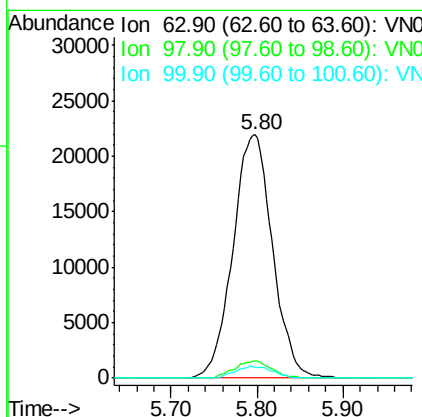
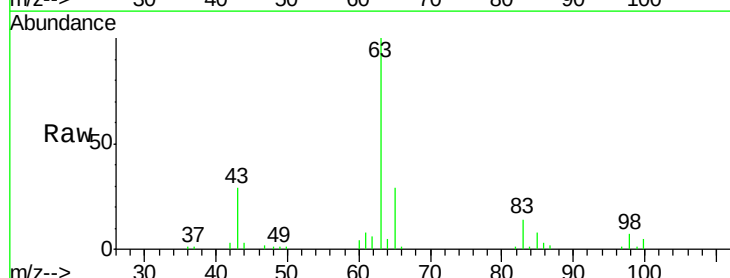
Manual Integrations
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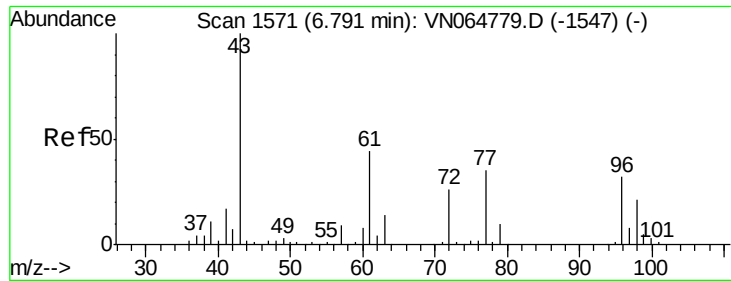
MMDadoda
 12/1/2020 9:35:02 AM



#24
 1,1-Dichloroethane
 Concen: 17.493 ug/l
 RT: 5.80 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VN064865.D
 Acq: 30 Nov 2020 12:04

Tgt Ion	63	Resp	70072
Ion Ratio	100	Lower	Upper
63	100		
98	7.0	3.5	10.5
100	4.5	2.3	6.8





#25

2-Butanone

Concen: 82.612 ug/l

RT: 6.79 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN064865.D

Acq: 30 Nov 2020 12:04

Instrument :

MSVOA_N

ClientSampleId :

VN1130MBS01

Tot Ion: 43 Resp: 107155

Ion Ratio Lower Upper

43 100

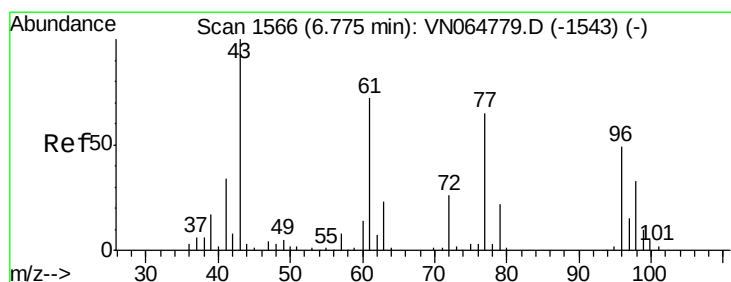
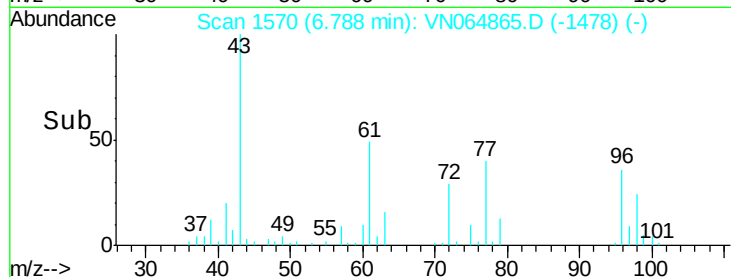
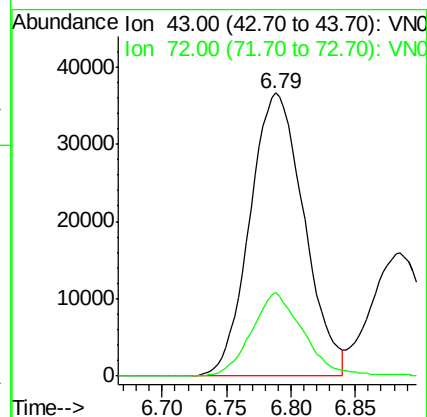
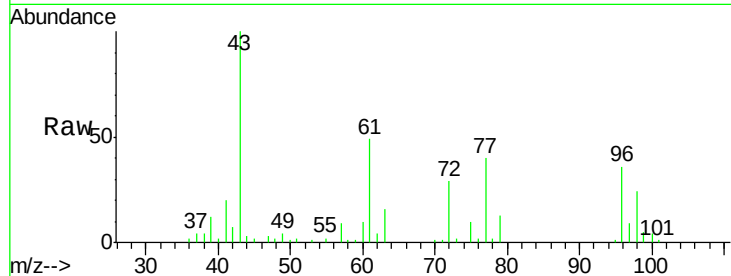
72 29.4 21.0 31.6

Manual Integrations

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12/1/2020 9:35:02 AM



#26

2,2-Dichloropropane

Concen: 17.181 ug/l

RT: 6.77 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN064865.D

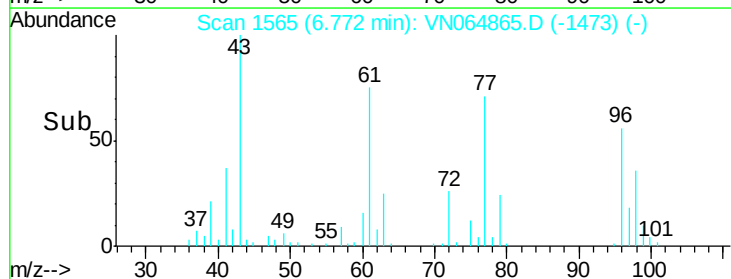
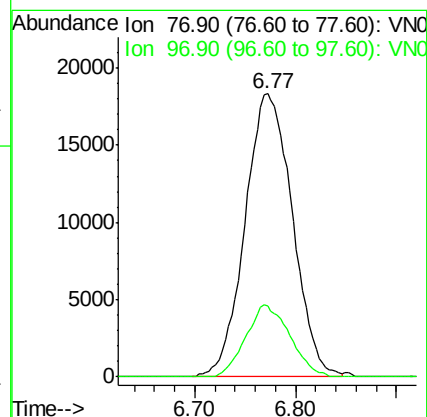
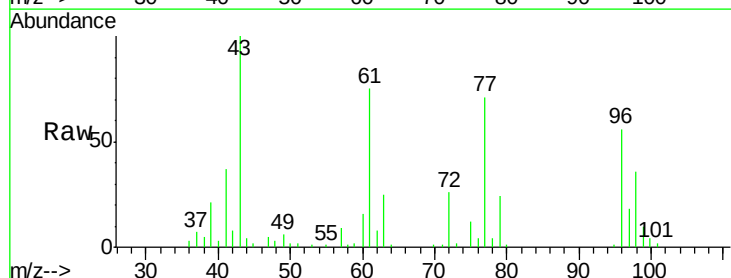
Acq: 30 Nov 2020 12:04

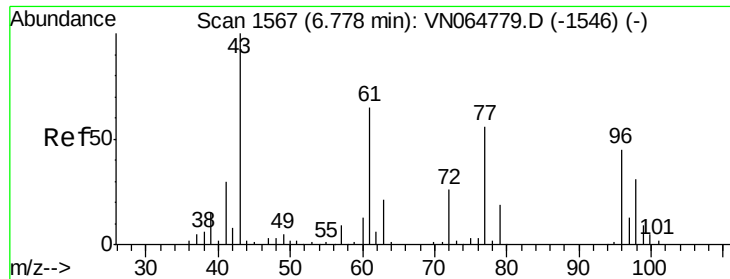
Tgt Ion: 77 Resp: 59689

Ion Ratio Lower Upper

77 100

97 23.8 11.7 35.0





#27

cis-1,2-Dichloroethene

Concen: 17.193 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN064865.D

Acq: 30 Nov 2020 12:04

Instrument :

MSVOA_N

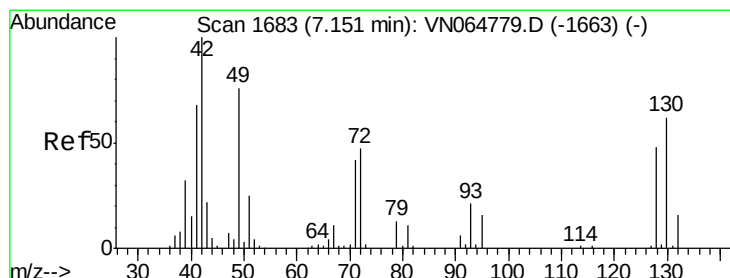
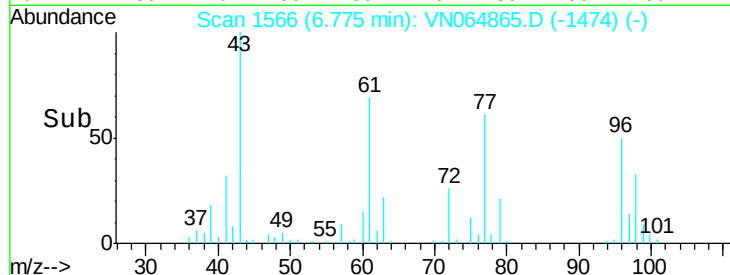
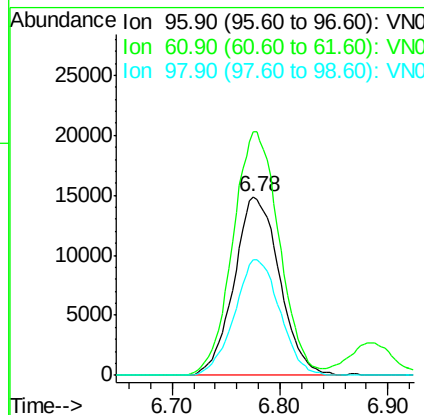
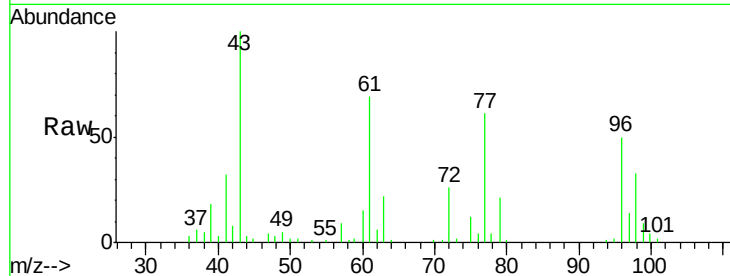
ClientSampleId :

VN1130MBS01

Tot Ion:	96	Resp:	43620
Ion	Ratio	Lower	Upper
96	100		
61	139.2	0.0	285.8
98	64.3	0.0	130.6

Manual Integrations
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12/1/2020 9:35:02 AM



#28

Bromochloromethane

Concen: 17.535 ug/l

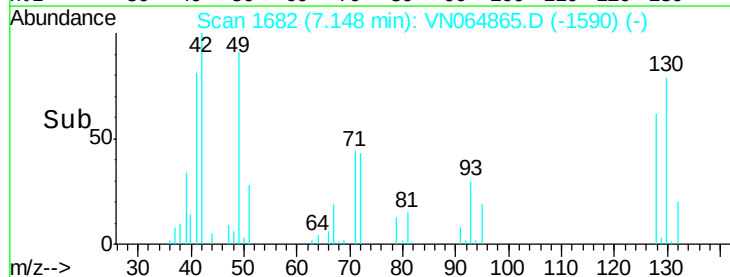
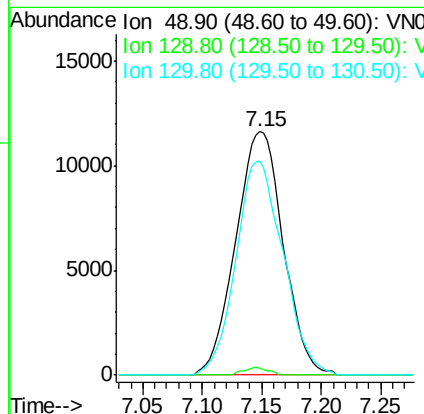
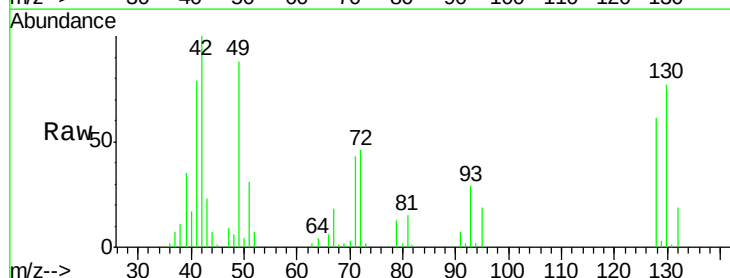
RT: 7.15 min Scan# 1682

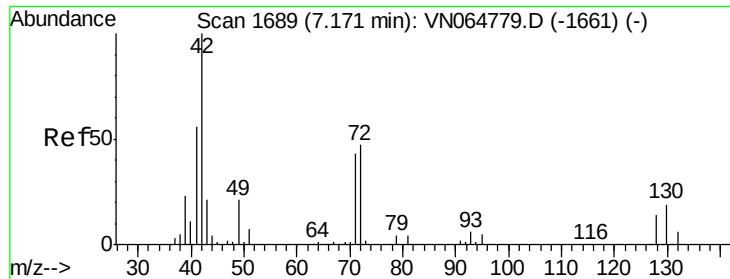
Delta R.T. -0.00 min

Lab File: VN064865.D

Acq: 30 Nov 2020 12:04

Tgt Ion:	49	Resp:	32132
Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.8
130	87.6	66.2	99.2





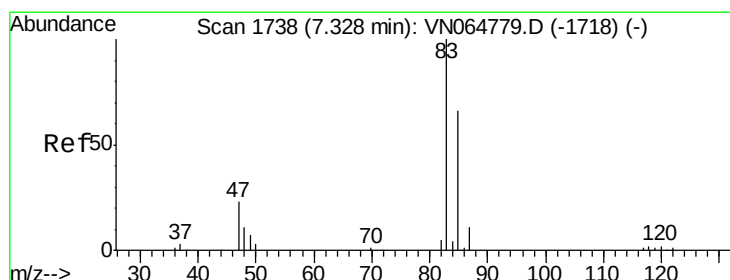
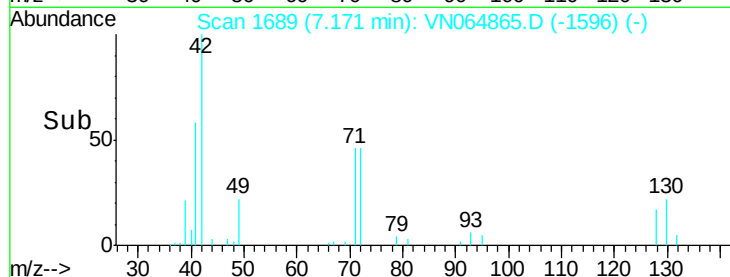
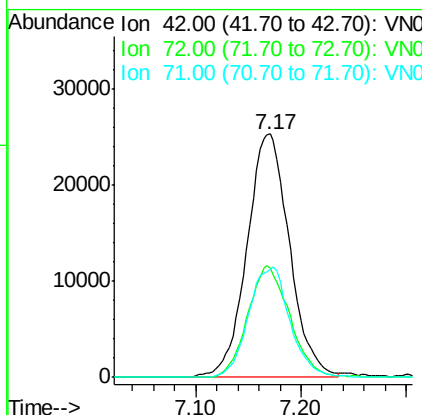
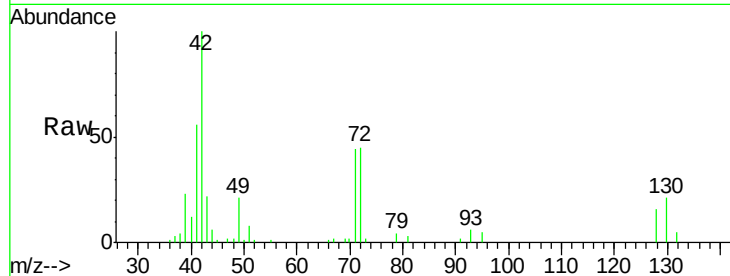
#29
Tetrahydrofuran
Concen: 79.366 ug/l
RT: 7.17 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VN064865.D
Acq: 30 Nov 2020 12:04

Instrument :
MSVOA_N
ClientSampleId :
VN1130MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.1	36.6	54.8
71	44.1	33.6	50.4

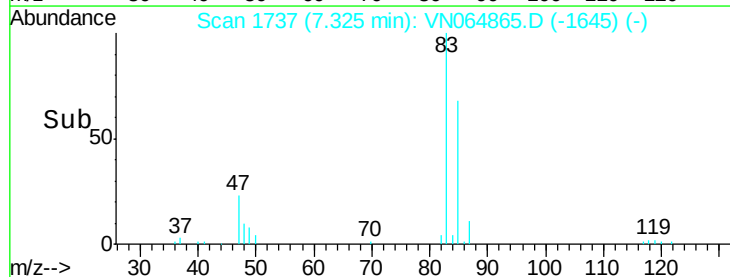
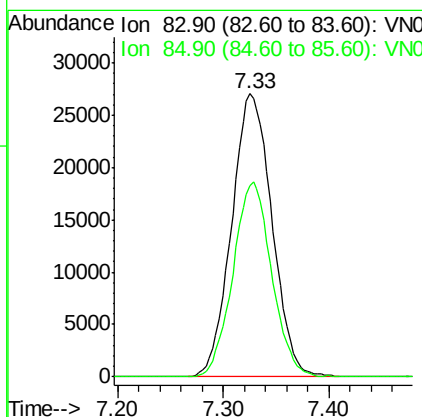
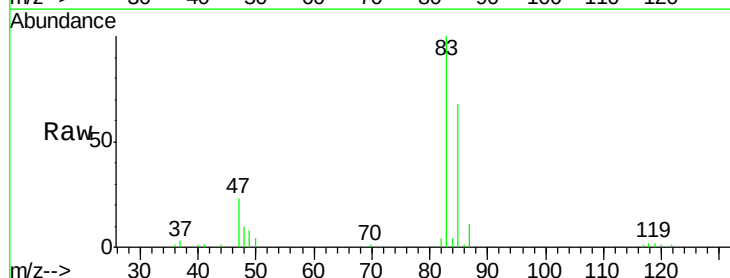
Manual Integrations
APPROVED

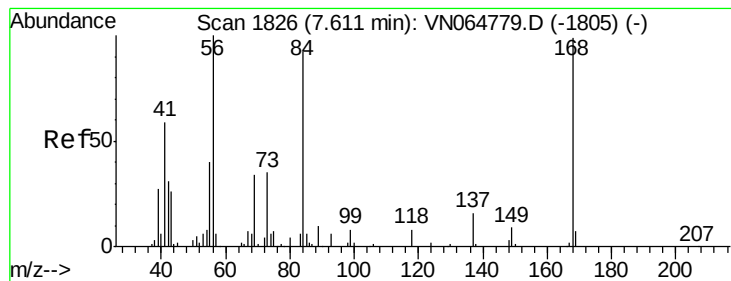
MMDadoda
12/1/2020 9:35:02 AM



#30
Chloroform
Concen: 17.369 ug/l
RT: 7.33 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN064865.D
Acq: 30 Nov 2020 12:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.7	52.6	78.8





#31

Cyclohexane

Concen: 17.205 ug/l

RT: 7.61 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN064865.D

Acq: 30 Nov 2020 12:04

Instrument :

MSVOA_N

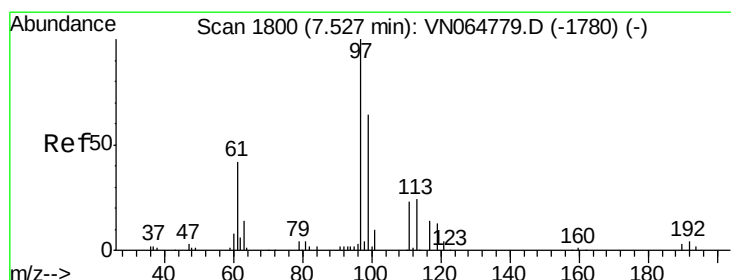
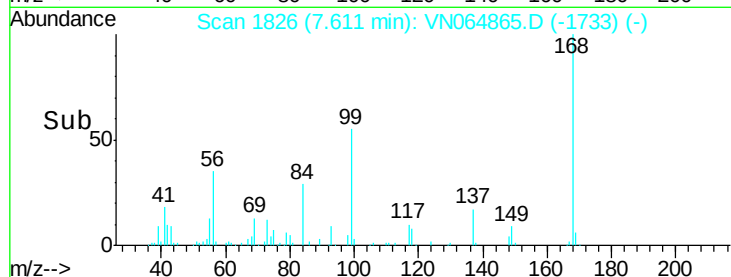
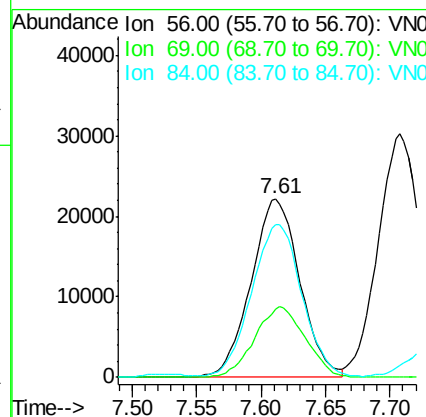
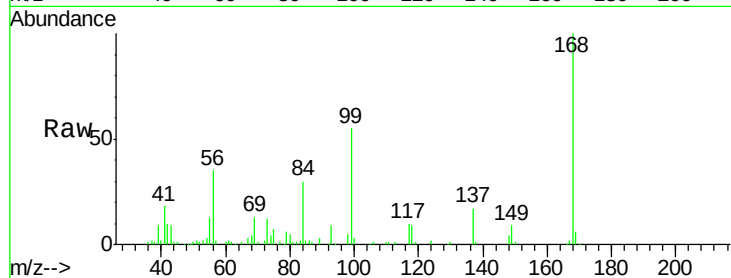
ClientSampleId :

VN1130MBS01

Tot Ion:	56	Resp:	58370
Ion	Ratio	Lower	Upper
56	100		
69	38.3	27.5	41.3
84	85.0	73.9	110.9

Manual Integrations
APPROVED

MMDadoda
12/1/2020 9:35:02 AM



#32

1,1,1-Trichloroethane

Concen: 17.411 ug/l

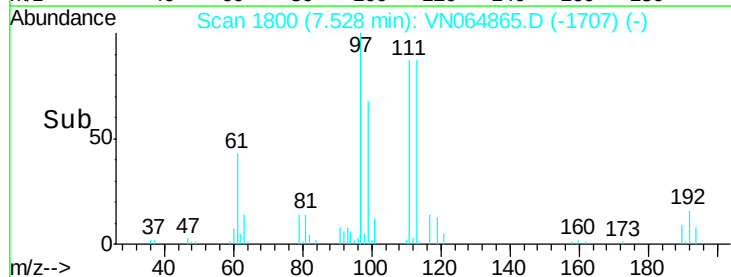
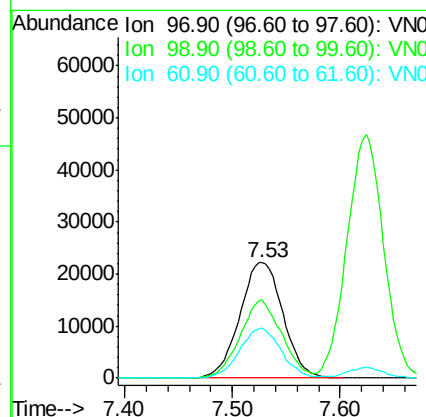
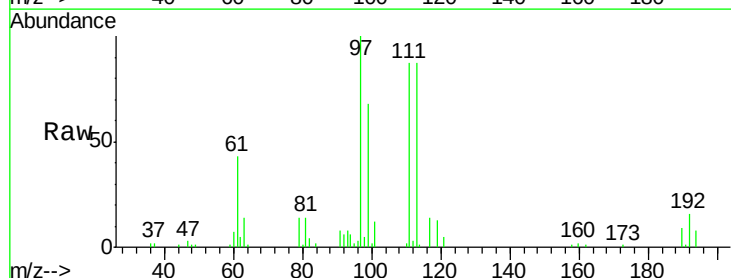
RT: 7.53 min Scan# 1800

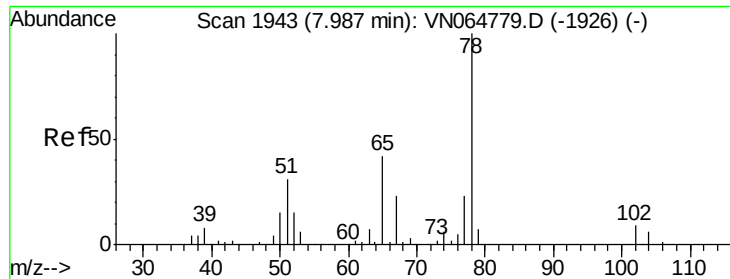
Delta R.T. 0.00 min

Lab File: VN064865.D

Acq: 30 Nov 2020 12:04

Tgt Ion:	97	Resp:	61772
Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.7	77.5
61	41.5	33.9	50.9





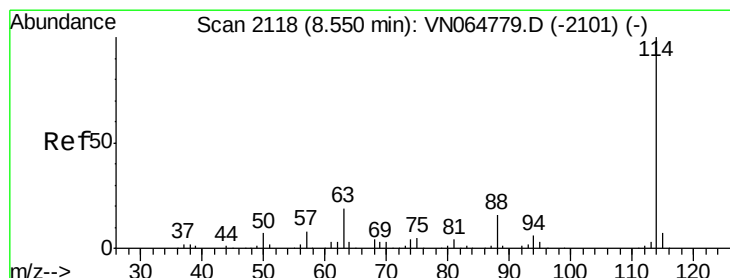
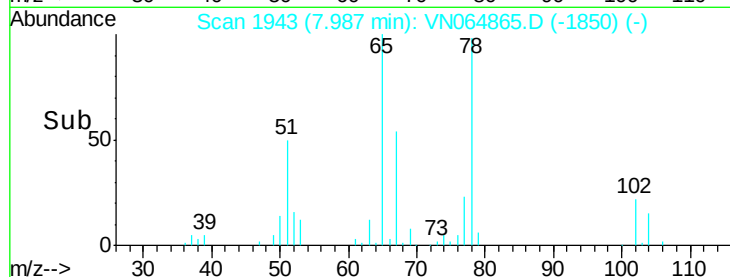
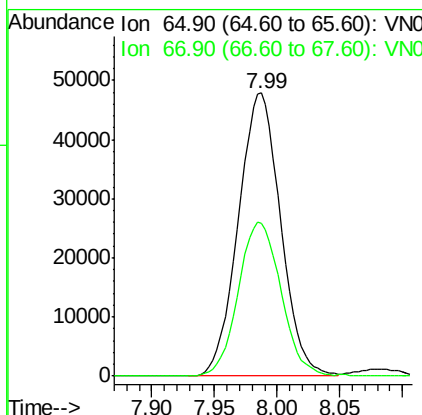
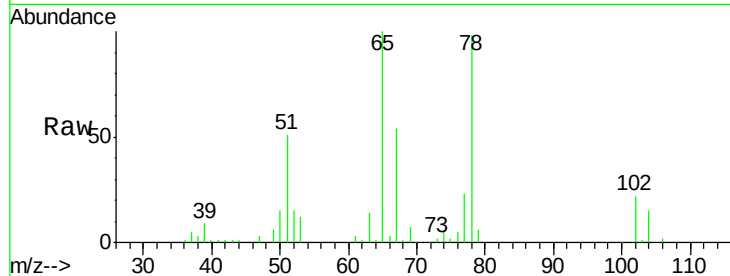
#33
 1,2-Dichloroethane-d4
 Concen: 46.219 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064865.D
 Acq: 30 Nov 2020 12:04

Instrument :
 MSVOA_N
 ClientSampled :
 VN1130MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	112501		
67	54.5	0.0	108.2	

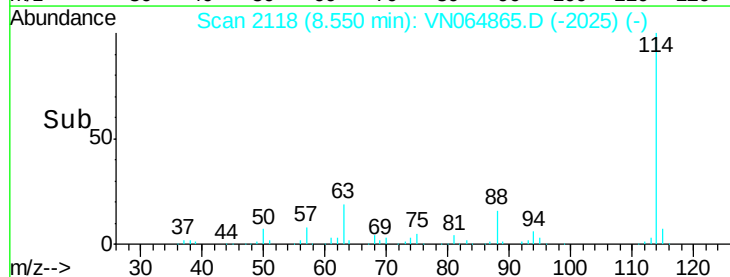
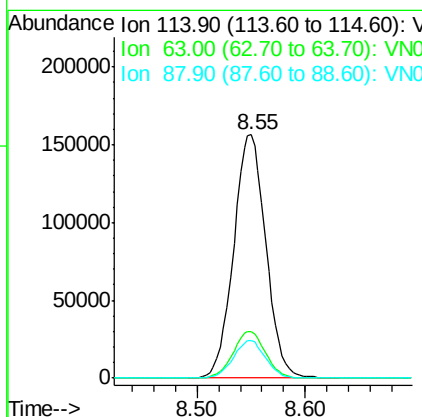
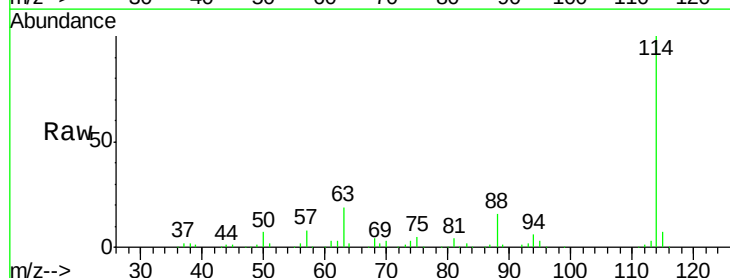
Manual Integrations
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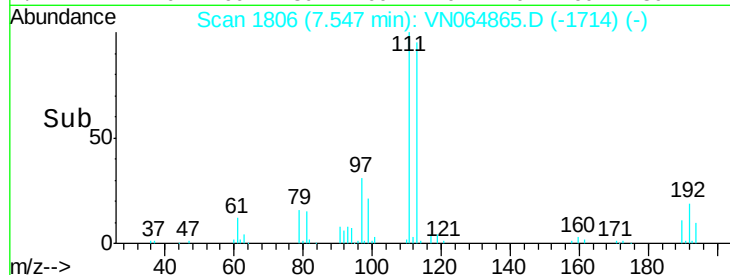
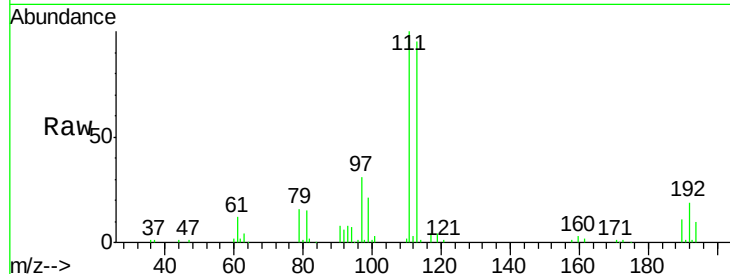
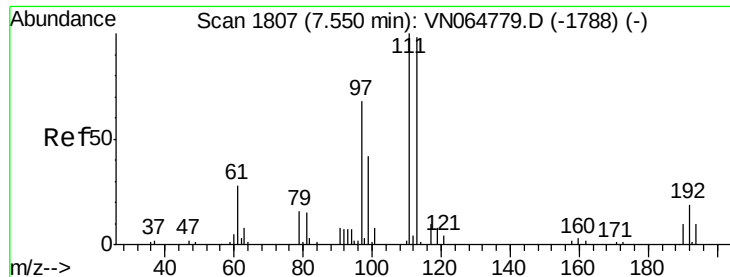
MMDadoda
 12/1/2020 9:35:02 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064865.D
 Acq: 30 Nov 2020 12:04

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	324807		
63	19.0	0.0	38.6	
88	15.6	0.0	32.6	





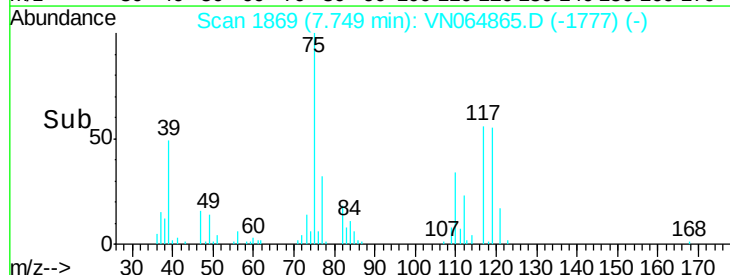
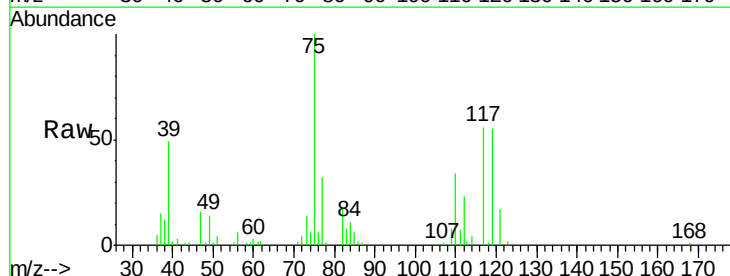
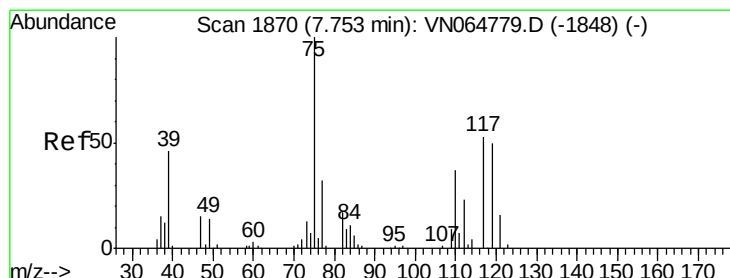
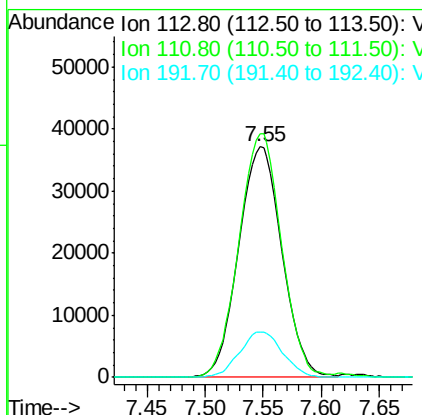
#35
Dibromofluoromethane
Concen: 49.734 ug/l
RT: 7.55 min Scan# 1806
Delta R.T. -0.00 min
Lab File: VN064865.D
Acq: 30 Nov 2020 12:04

Tot Ion	Ratio	Resp	Lower	Upper
113	100	96661		
111	103.8	81.6	122.4	
192	19.4	16.2	24.2	

Instrument :
MSVOA_N
ClientSampleId :
VN1130MBS01

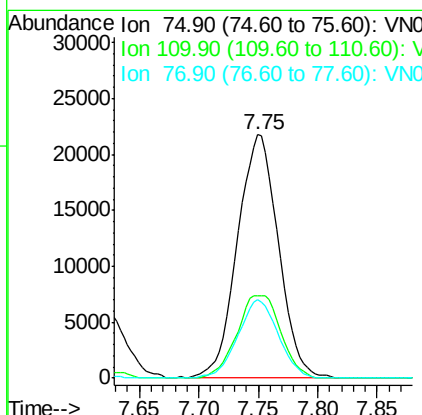
Manual Integrations
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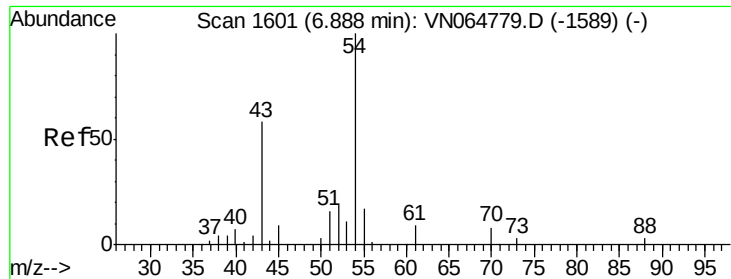
MMDadoda
12/1/2020 9:35:02 AM



#36
1,1-Dichloropropene
Concen: 17.239 ug/l
RT: 7.75 min Scan# 1869
Delta R.T. -0.00 min
Lab File: VN064865.D
Acq: 30 Nov 2020 12:04

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	51899		
110	36.4	17.8	53.3	
77	31.7	25.0	37.4	





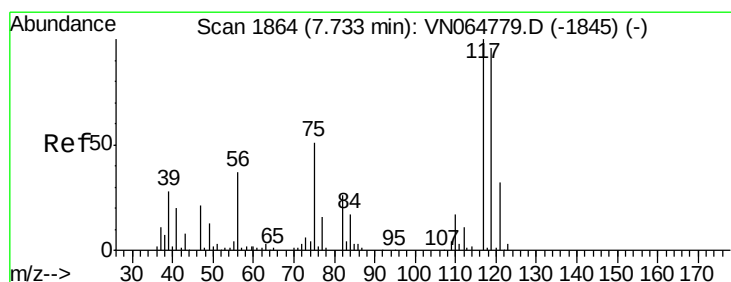
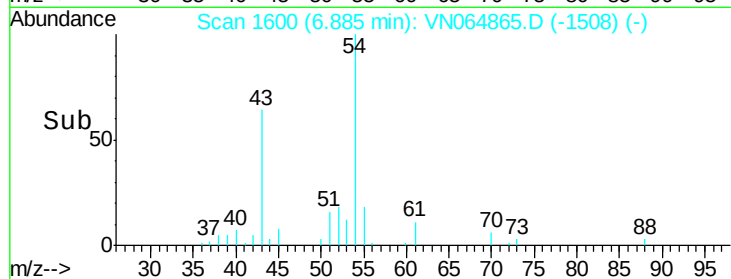
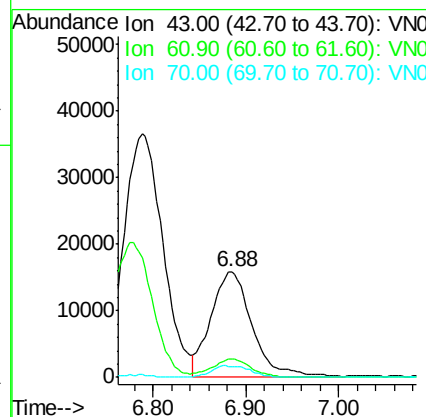
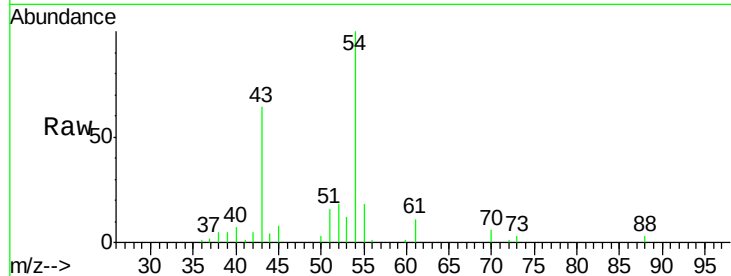
#37
Ethyl Acetate
Concen: 17.041 ug/l
RT: 6.88 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VN064865.D
Acq: 30 Nov 2020 12:04

Instrument :
MSVOA_N
ClientSampleId :
VN1130MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.4	12.8	19.2
70	5.4	8.8	13.2

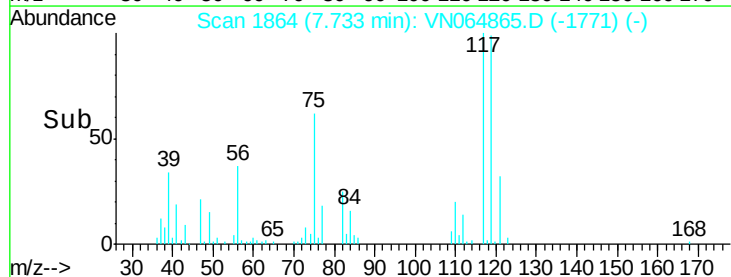
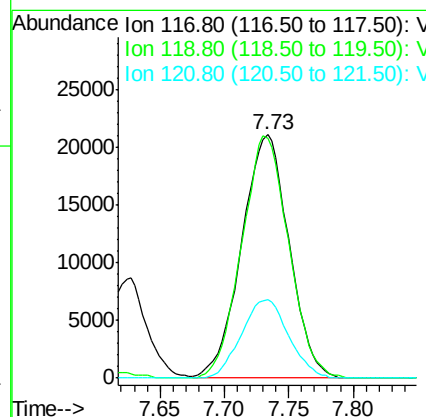
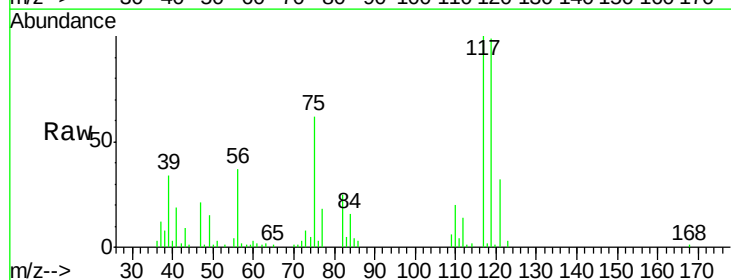
Manual Integrations
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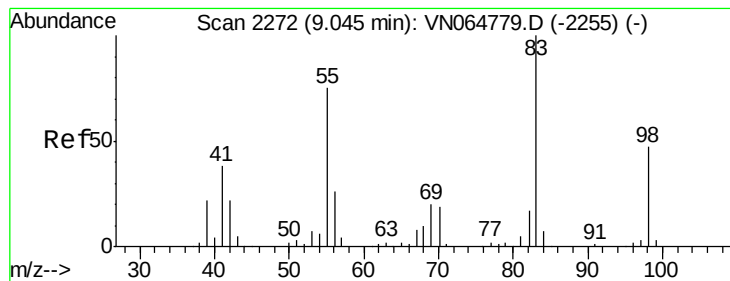
MMDadoda
12/1/2020 9:35:02 AM



#38
Carbon Tetrachloride
Concen: 17.224 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN064865.D
Acq: 30 Nov 2020 12:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.5	76.7	115.1
121	32.1	25.4	38.2





#39

Methylvlcyclohexane

Concen: 17.637 ug/l

RT: 9.05 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VN064865.D

Acq: 30 Nov 2020 12:04

Instrument :

MSVOA_N

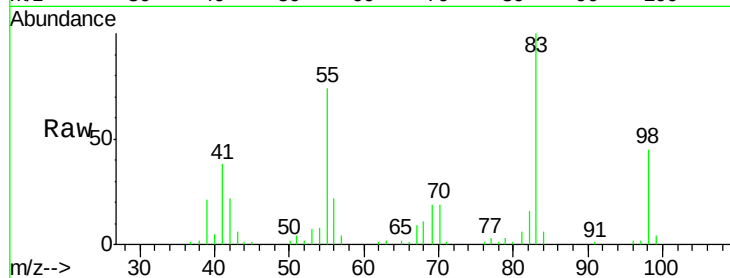
ClientSampleId :

VN1130MBS01

Tot Ion:	83	Resp:	57160
Ion	Ratio	Lower	Upper
83	100		
55	73.6	60.2	90.2
98	45.2	37.4	56.2

Manual Integrations
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12/1/2020 9:35:02 AM

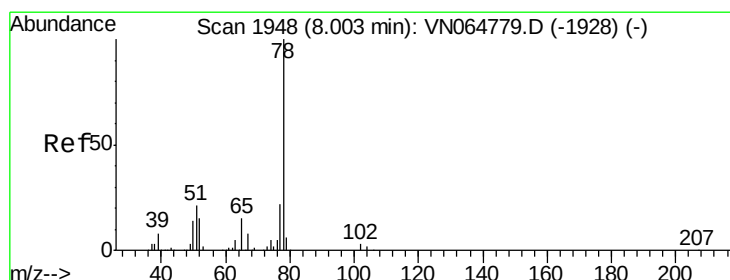
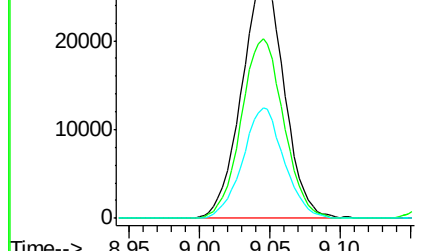
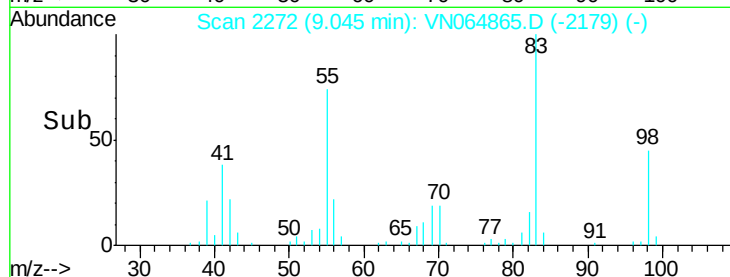


Abundance Ion 83.00 (82.70 to 83.70): VN064779.D (-2255) (-)

Ion 55.00 (54.70 to 55.70): VN064779.D (-2255) (-)

Ion 98.00 (97.70 to 98.70): VN064779.D (-2255) (-)

Time-->



#40

Benzene

Concen: 17.375 ug/l

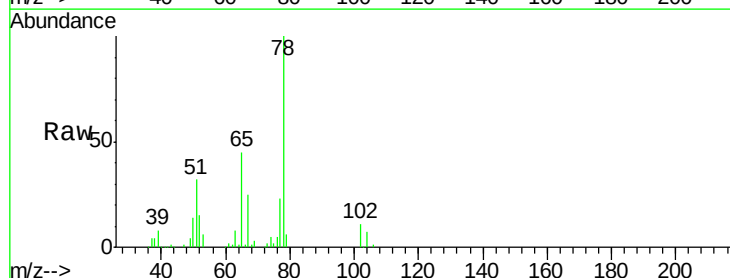
RT: 8.00 min Scan# 1947

Delta R.T. -0.00 min

Lab File: VN064865.D

Acq: 30 Nov 2020 12:04

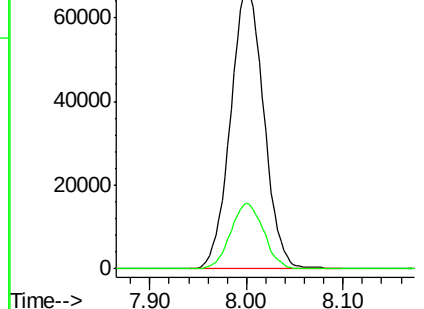
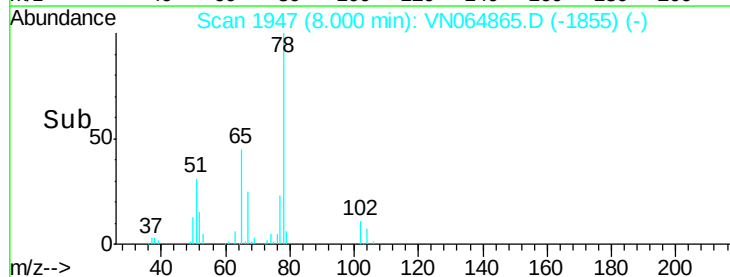
Tgt Ion:	78	Resp:	160293
Ion	Ratio	Lower	Upper
78	100		
77	23.4	17.9	26.9

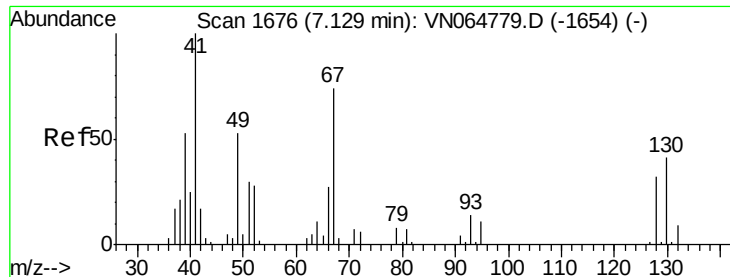


Abundance Ion 78.00 (77.70 to 78.70): VN064779.D (-1928) (-)

Ion 77.00 (76.70 to 77.70): VN064779.D (-1928) (-)

Time-->





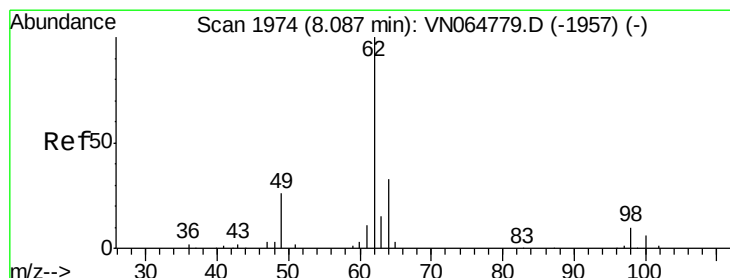
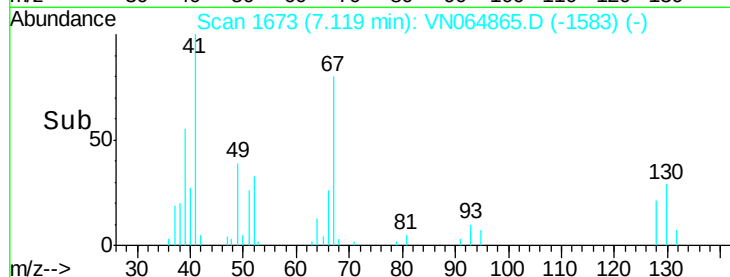
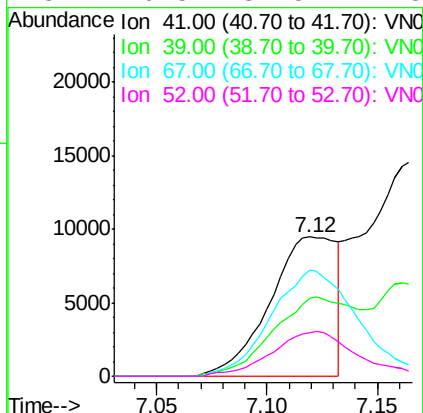
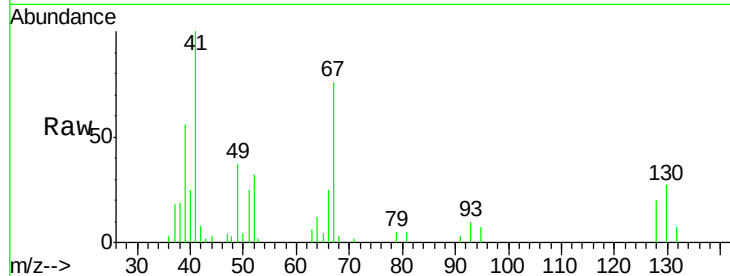
#41
Methacrylonitrile
Concen: 14.881 ug/l
RT: 7.12 min Scan# 1673
Delta R.T. -0.01 min
Lab File: VN064865.D
Acq: 30 Nov 2020 12:04

Instrument :
MSVOA_N
ClientSampleId :
VN1130MBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	72.1	51.0	76.6
67	100.0	79.8	119.8
52	40.5	31.5	47.3

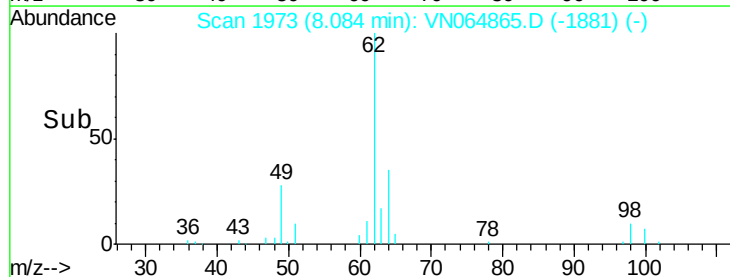
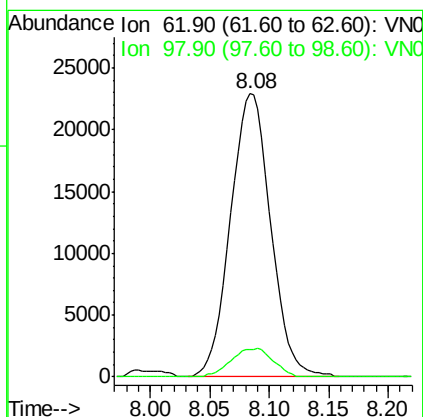
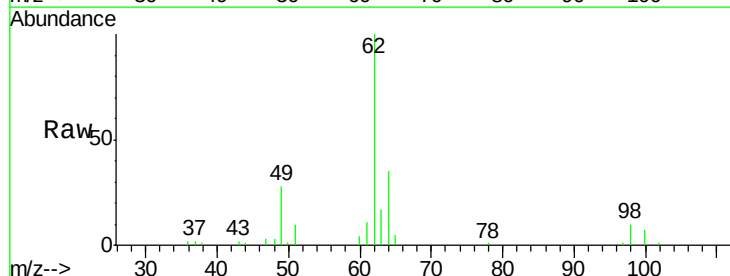
Manual Integrations
APPROVED

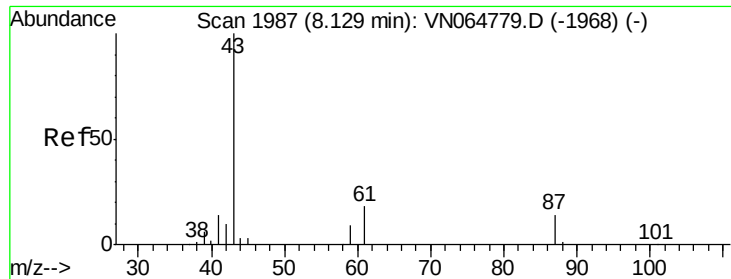
MMDadoda
12/1/2020 9:35:02 AM



#42
1,2-Dichloroethane
Concen: 17.274 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN064865.D
Acq: 30 Nov 2020 12:04

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	19.6





#43

Isopropyl Acetate

Concen: 16.322 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN064865.D

Acq: 30 Nov 2020 12:04

Instrument :

MSVOA_N

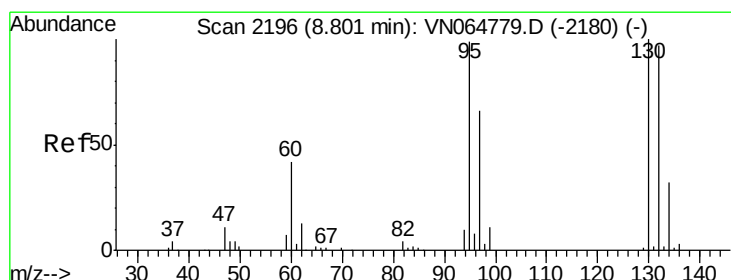
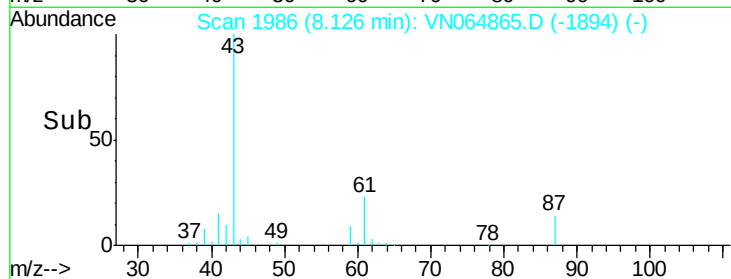
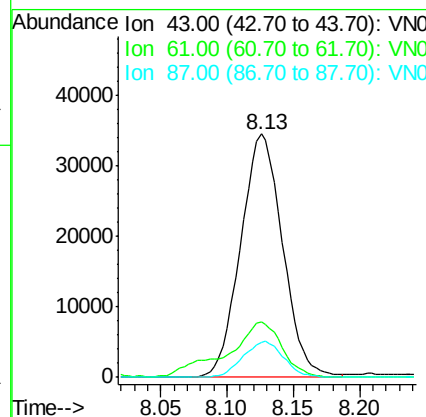
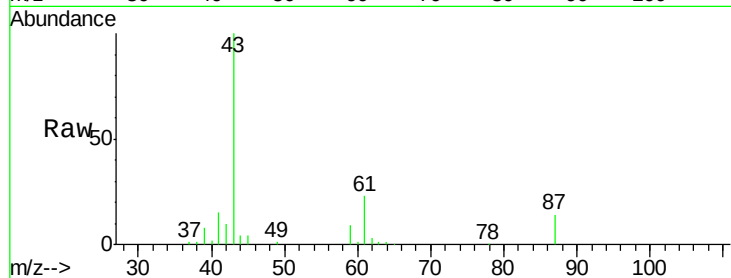
ClientSampleId :

VN1130MBS01

Tot Ion:	43	Resp:	76168
Ion	Ratio	Lower	Upper
43	100		
61	29.5	17.2	25.8#
87	14.3	11.4	17.0

Manual Integrations
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#44

Trichloroethene

Concen: 17.866 ug/l

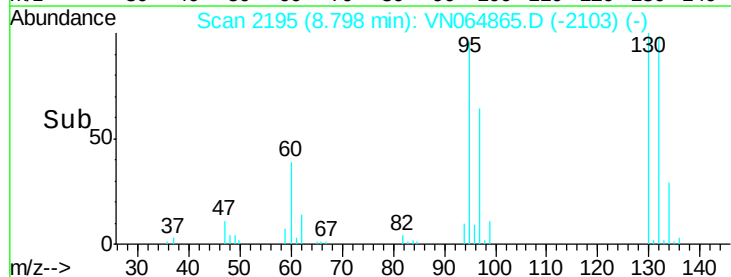
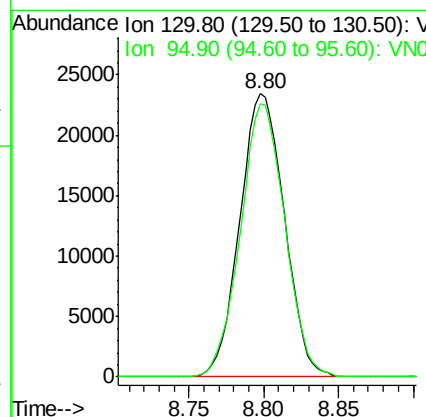
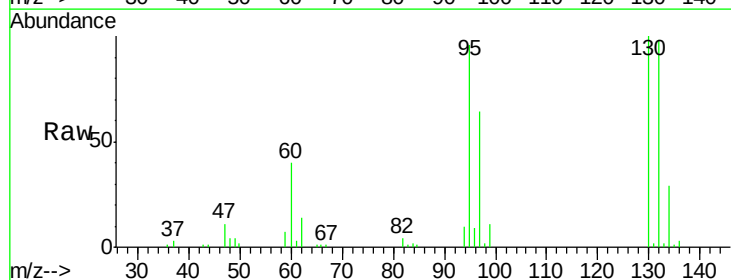
RT: 8.80 min Scan# 2195

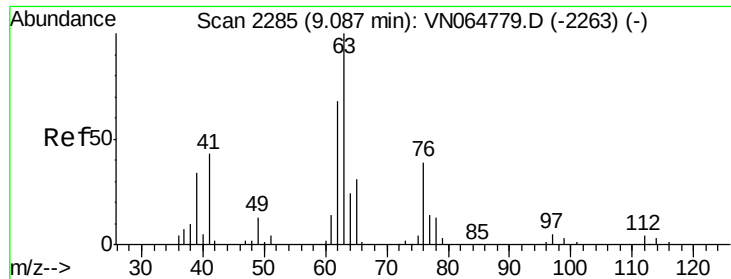
Delta R.T. -0.00 min

Lab File: VN064865.D

Acq: 30 Nov 2020 12:04

Tgt Ion:	130	Resp:	48632
Ion	Ratio	Lower	Upper
130	100		
95	96.3	0.0	197.8





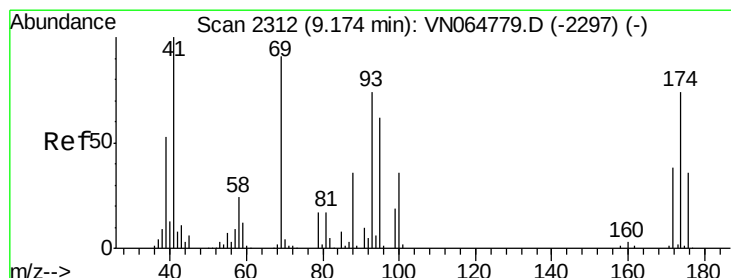
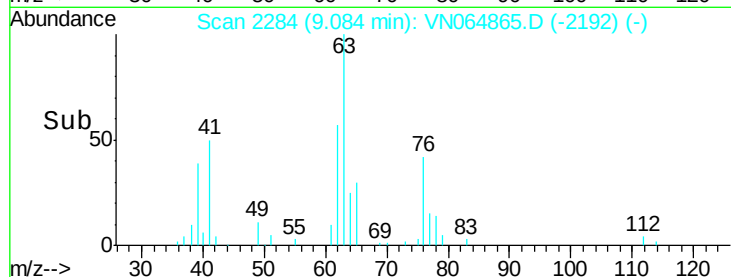
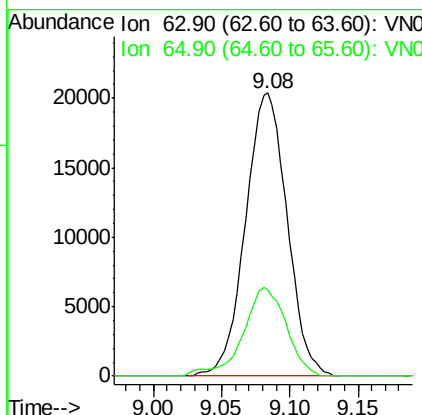
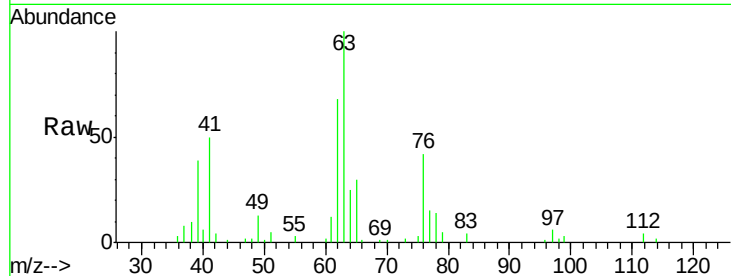
#45
 1,2-Dichloropropane
 Concen: 18.063 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN064865.D
 Acq: 30 Nov 2020 12:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1130MBS01

Tot Ion: 63 Resp: 43156
 Ion Ratio Lower Upper
 63 100
 65 30.4 25.0 37.4

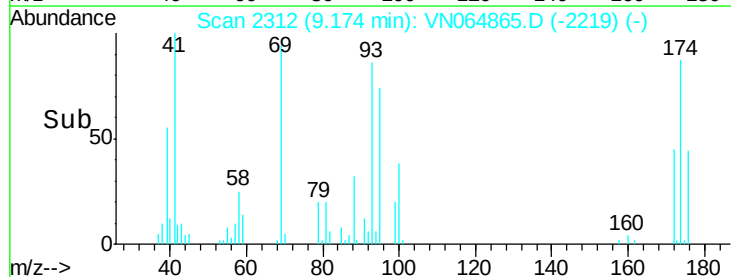
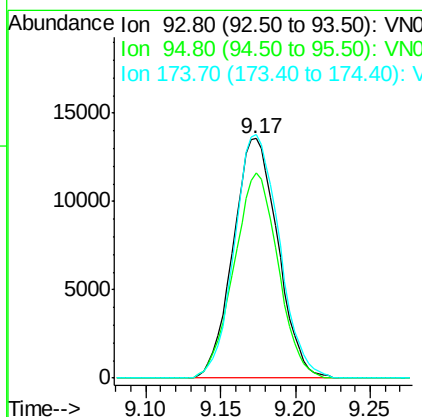
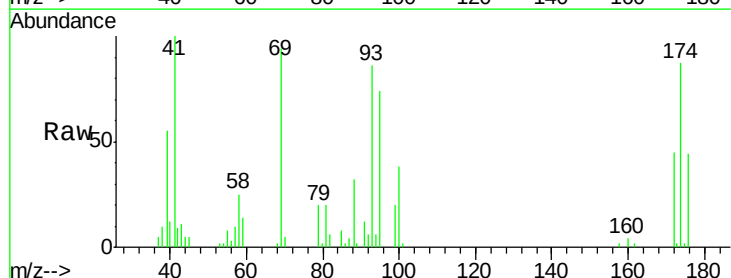
Manual Integrations
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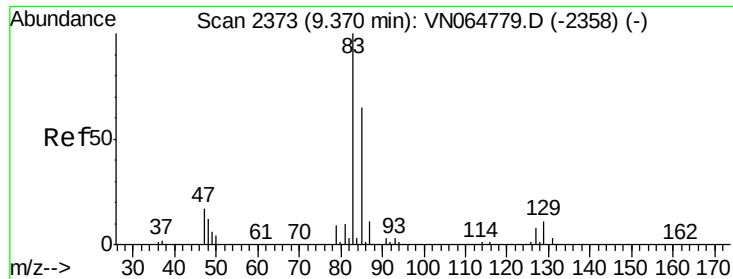
MMDadoda
 12/1/2020 9:35:02 AM



#46
 Dibromomethane
 Concen: 17.678 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN064865.D
 Acq: 30 Nov 2020 12:04

Tgt Ion: 93 Resp: 28216
 Ion Ratio Lower Upper
 93 100
 95 84.2 68.8 103.2
 174 101.7 83.1 124.7





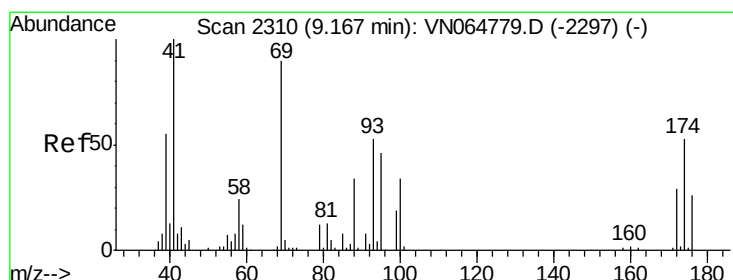
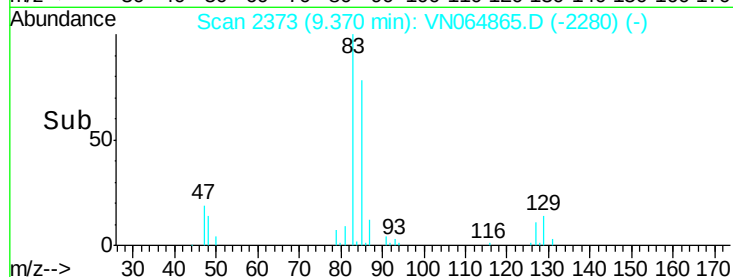
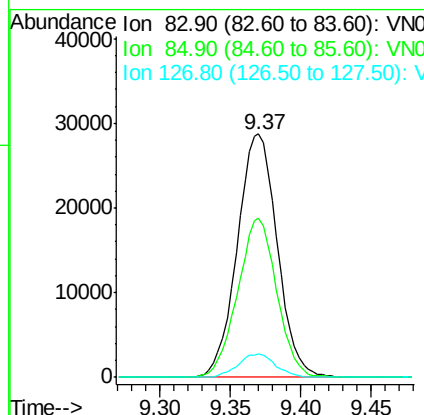
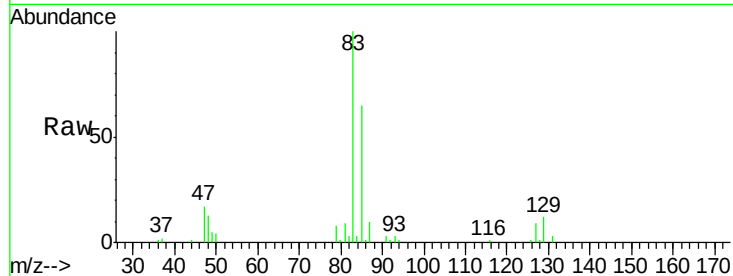
#47
Bromodichloromethane
Concen: 17.735 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN064865.D
Acq: 30 Nov 2020 12:04

Instrument :
MSVOA_N
ClientSampleId :
VN1130MBS01

Tot Ion	83	Resp	56956
Ion Ratio	100	Lower	Upper
83	100		
85	65.5	51.8	77.8
127	9.4	6.8	10.2

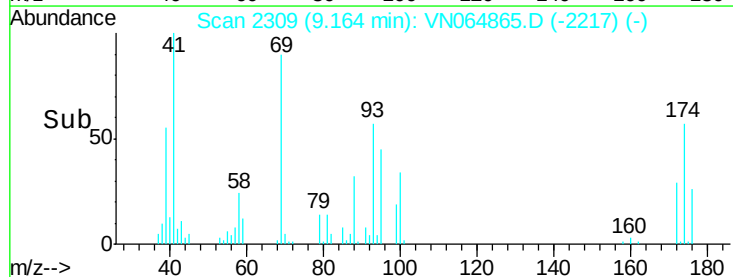
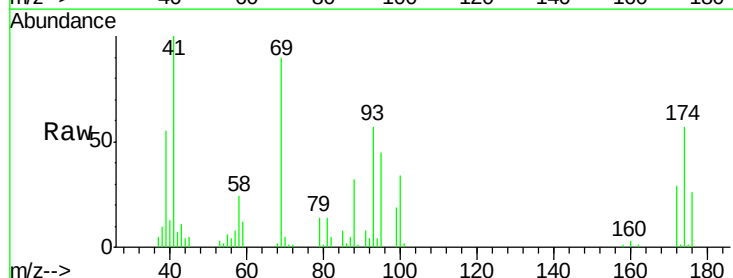
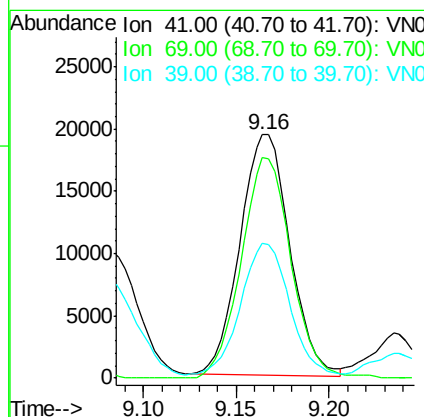
Manual Integrations
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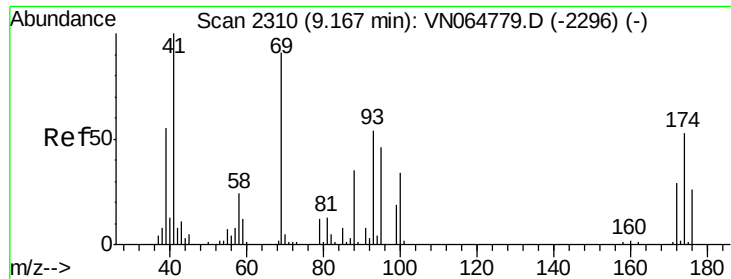
MMDadoda
12/1/2020 9:35:02 AM



#48
Methyl methacrylate
Concen: 16.274 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN064865.D
Acq: 30 Nov 2020 12:04

Tgt Ion	41	Resp	36289
Ion Ratio	100	Lower	Upper
41	100		
69	91.6	71.8	107.8
39	56.6	44.1	66.1





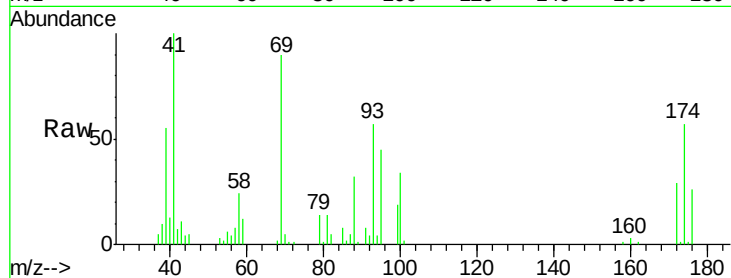
#49
1,4-Dioxane
Concen: 311.073 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN064865.D
Acq: 30 Nov 2020 12:04

Instrument :
MSVOA_N
ClientSampleId :
VN1130MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.2	24.2	36.4
58	72.0	52.5	78.7

Manual Integrations
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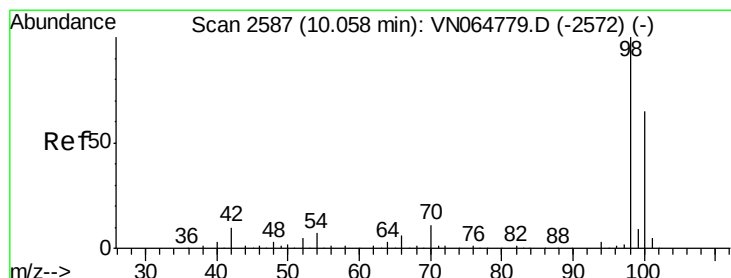
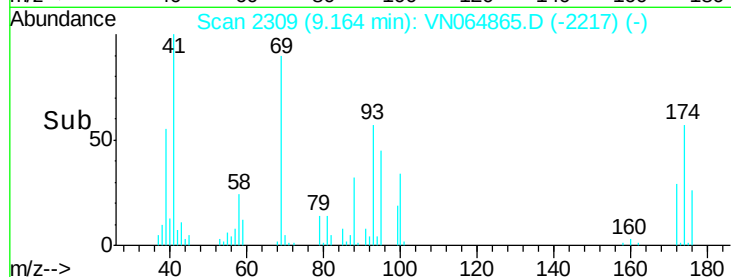
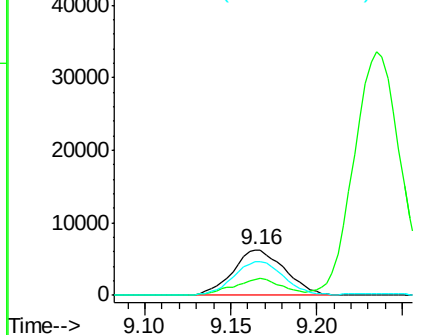
MMDadoda
12/1/2020 9:35:02 AM



Abundance Ion 88.00 (87.70 to 88.70): VN064865.D (-2217) (-)

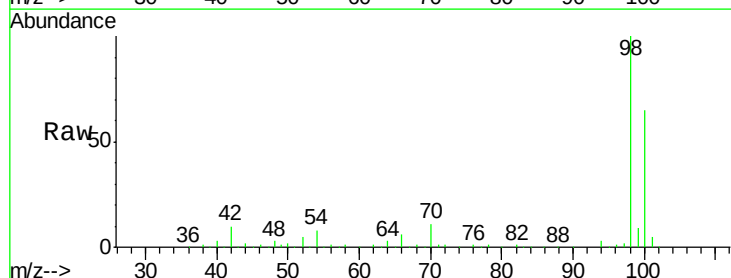
Ion 43.00 (42.70 to 43.70): VN064865.D (-2217) (-)

Ion 58.00 (57.70 to 58.70): VN064865.D (-2217) (-)



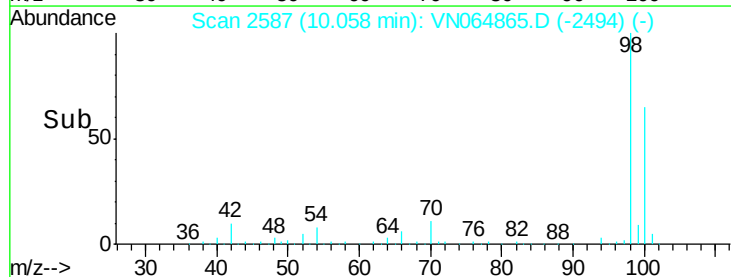
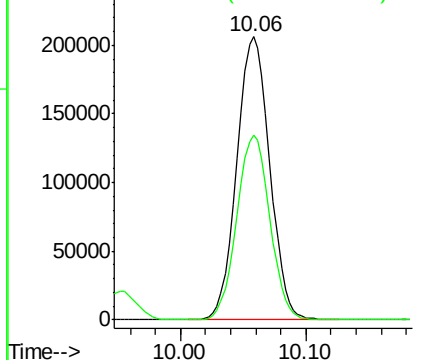
#50
Toluene-d8
Concen: 47.452 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN064865.D
Acq: 30 Nov 2020 12:04

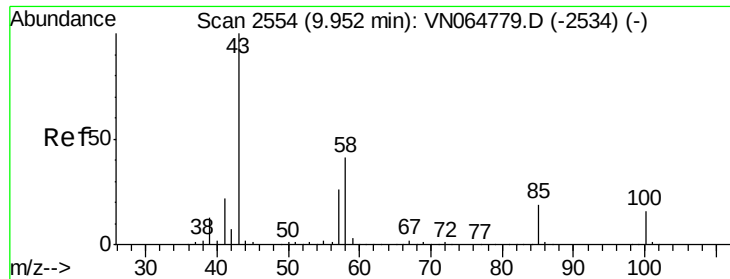
Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.6	51.7	77.5



Abundance Ion 98.00 (97.70 to 98.70): VN064865.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN064865.D (-2494) (-)





#51

4-Methyl-2-Pentanone

Concen: 84.070 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN064865.D

Acq: 30 Nov 2020 12:04

Instrument :

MSVOA_N

ClientSampled :

VN1130MBS01

Tot Ion: 43 Resp: 23525

Ion Ratio Lower Upper

43 100

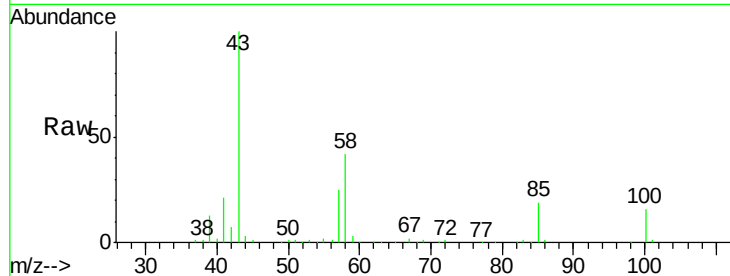
58 40.6 32.4 48.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

150000

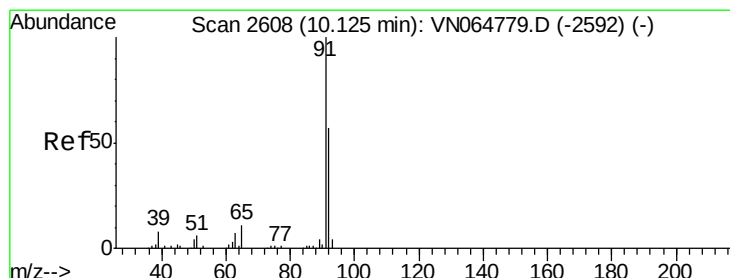
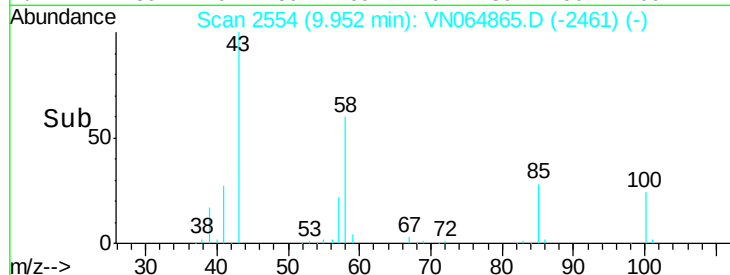
100000

50000

0

9.90 9.95 10.00

Time-->



#52

Toluene

Concen: 17.660 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064865.D

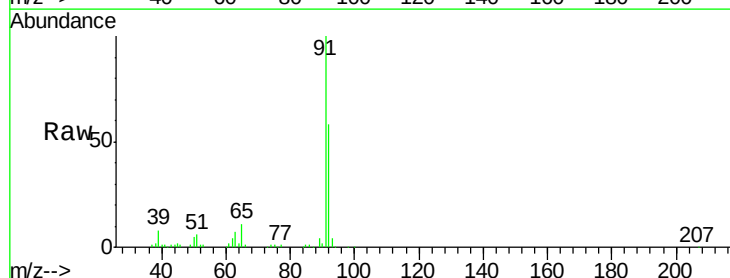
Acq: 30 Nov 2020 12:04

Tgt Ion: 92 Resp: 100334

Ion Ratio Lower Upper

92 100

91 174.0 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

100000

80000

60000

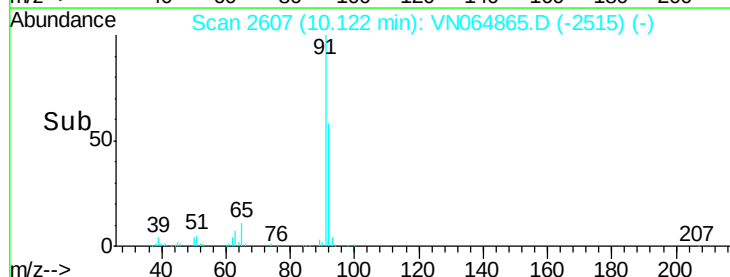
40000

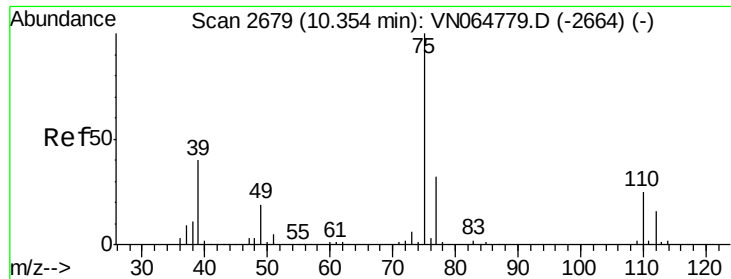
20000

0

10.10 10.12 10.20

Time-->





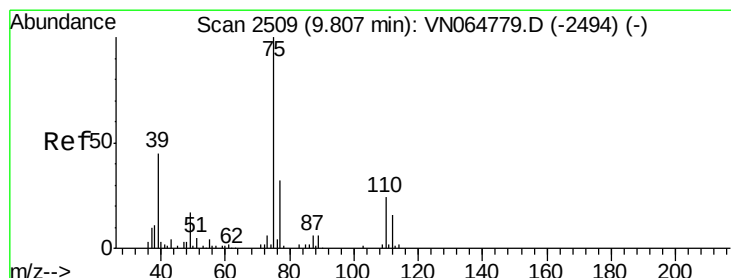
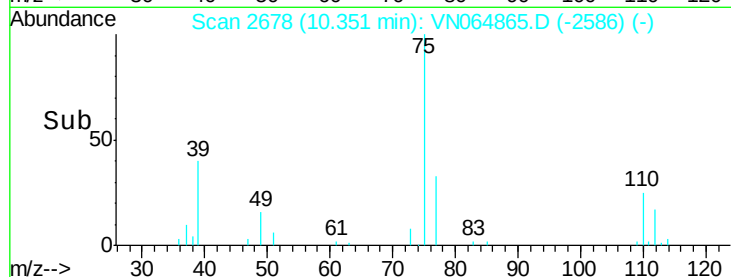
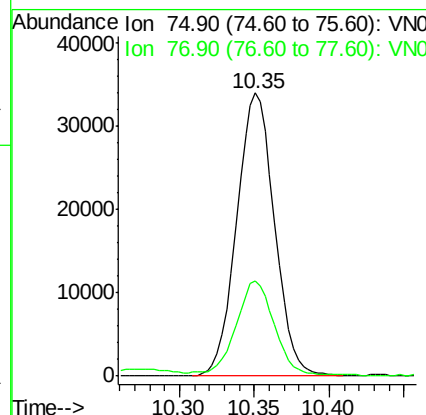
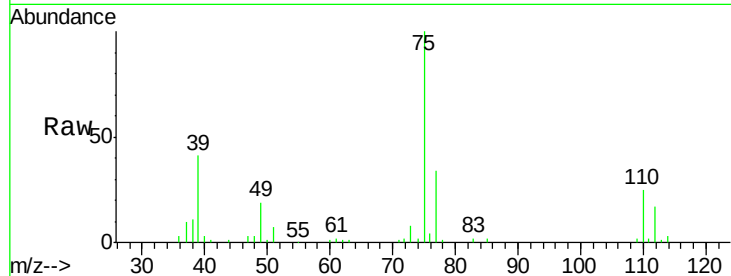
#53
t-1,3-Dichloropropene
Concen: 16.681 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VN064865.D
Acq: 30 Nov 2020 12:04

Instrument :
MSVOA_N
ClientSampleId :
VN1130MBS01

Tot Ion	75	Resp	59670
Ion Ratio	Lower	Upper	
75	100		
77	33.0	25.8	38.6

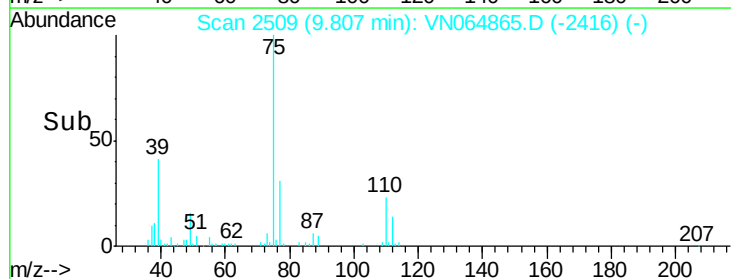
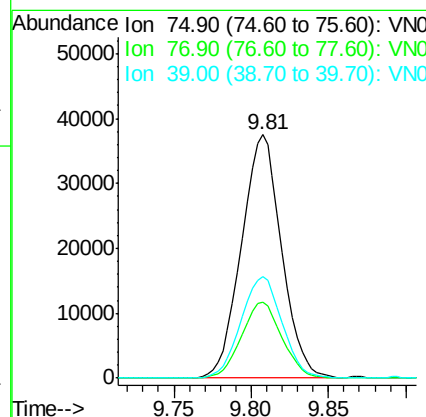
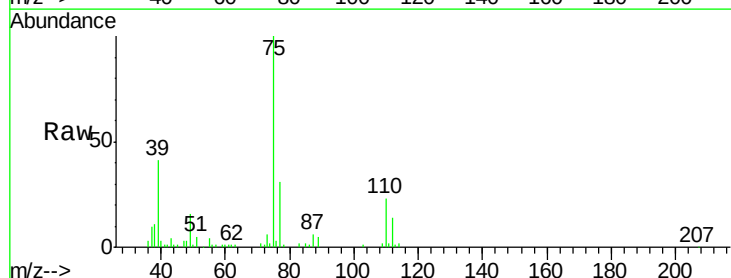
Manual Integrations
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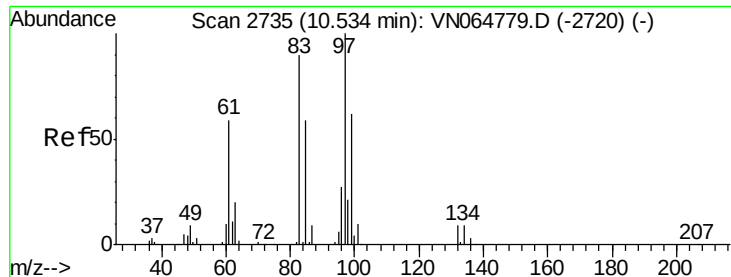
MMDadoda
12/1/2020 9:35:02 AM



#54
cis-1,3-Dichloropropene
Concen: 17.626 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN064865.D
Acq: 30 Nov 2020 12:04

Tgt Ion	75	Resp	67580
Ion Ratio	Lower	Upper	
75	100		
77	31.4	25.5	38.3
39	41.5	35.6	53.4





#55

1,1,2-Trichloroethane

Concen: 17.727 ug/l

RT: 10.53 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VN064865.D

Acq: 30 Nov 2020 12:04

Instrument :

MSVOA_N

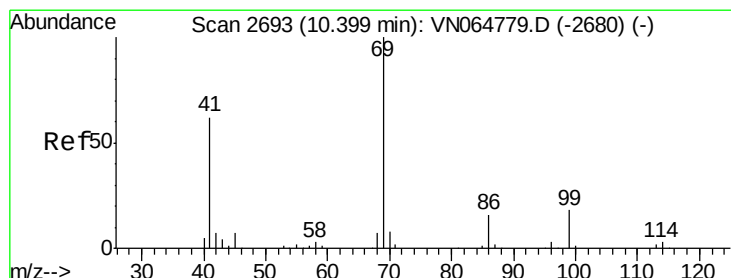
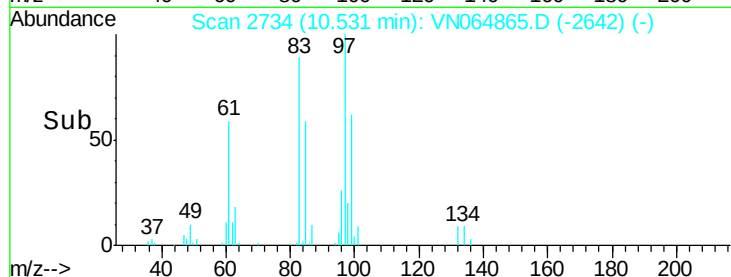
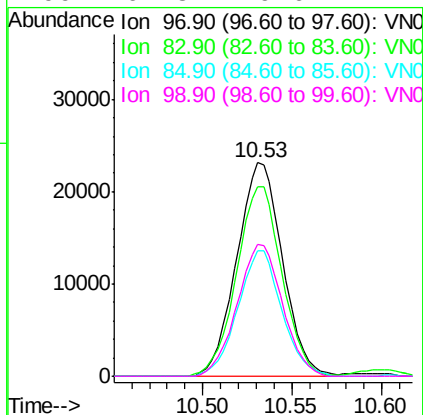
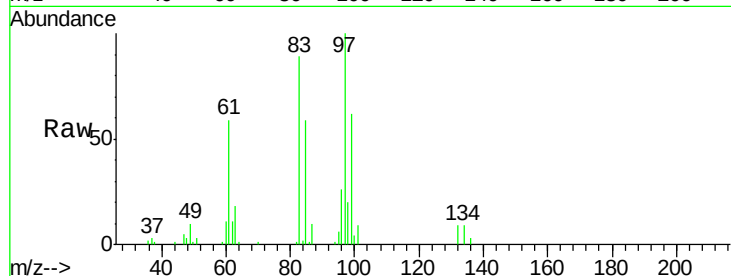
ClientSampleId :

VN1130MBS01

Tot Ion:	97	Resp:	41415
Ion	Ratio	Lower	Upper
97	100		
83	89.0	72.1	108.1
85	58.7	46.8	70.2
99	61.8	49.6	74.4

Manual Integrations
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MMDadoda
12/1/2020 9:35:02 AM



#56

Ethyl methacrylate

Concen: 17.158 ug/l

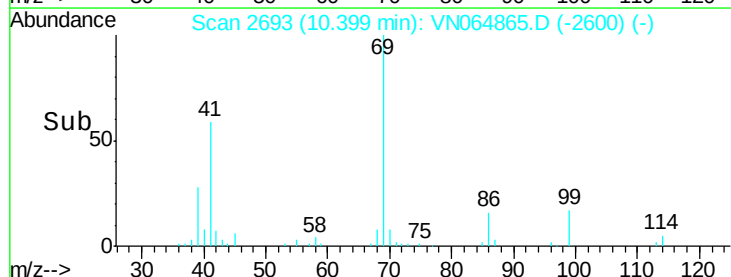
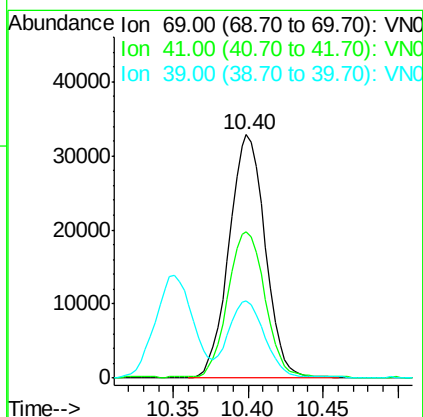
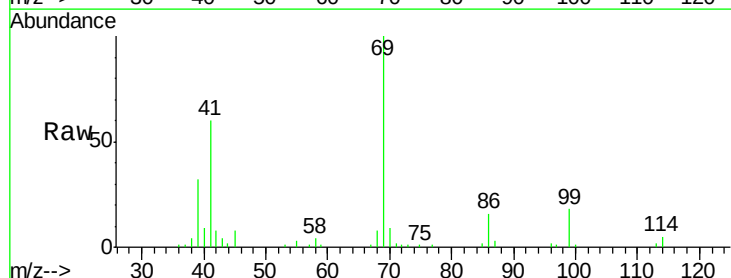
RT: 10.40 min Scan# 2693

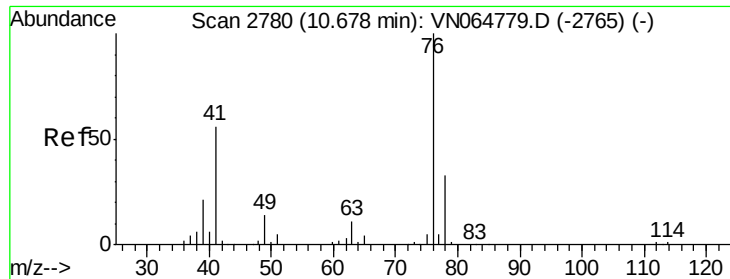
Delta R.T. 0.00 min

Lab File: VN064865.D

Acq: 30 Nov 2020 12:04

Tgt Ion:	69	Resp:	55319
Ion	Ratio	Lower	Upper
69	100		
41	60.7	49.4	74.0
39	31.2	25.9	38.9





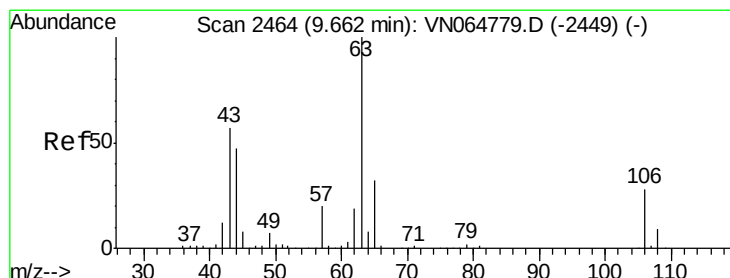
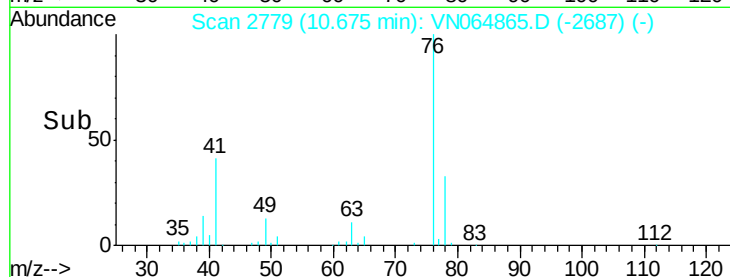
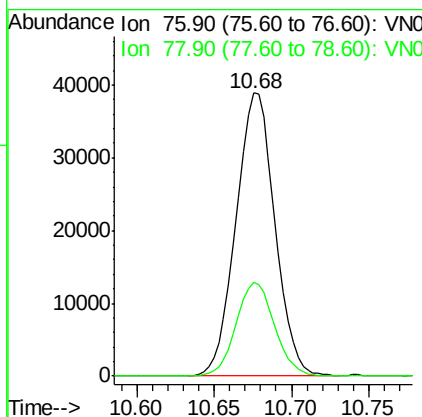
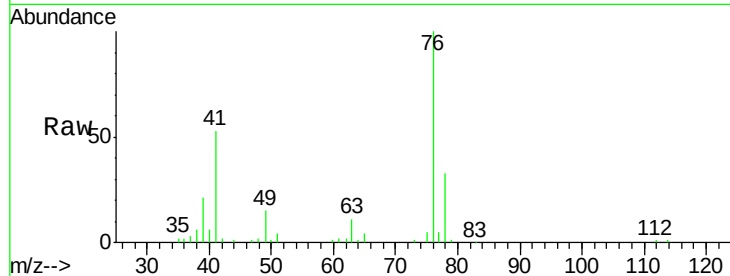
#57
 1,3-Dichloropropane
 Concen: 17.661 ug/l
 RT: 10.68 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN064865.D
 Acq: 30 Nov 2020 12:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1130MBS01

Tot Ion: 76 Resp: 68065
 Ion Ratio Lower Upper
 76 100
 78 32.6 26.1 39.1

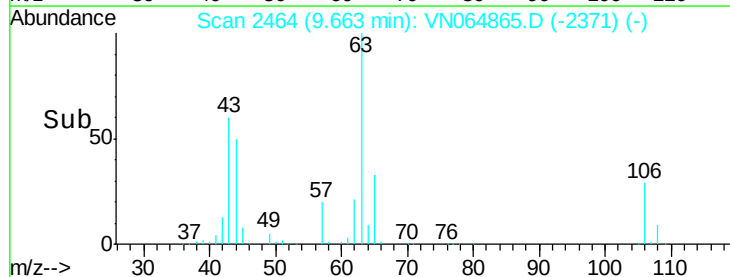
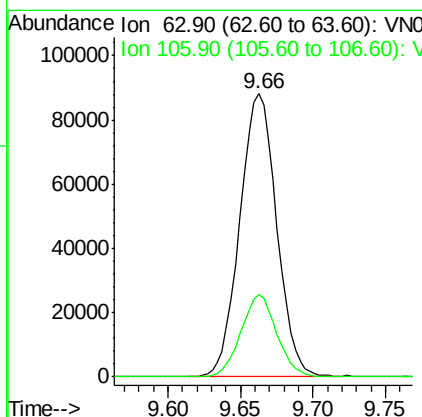
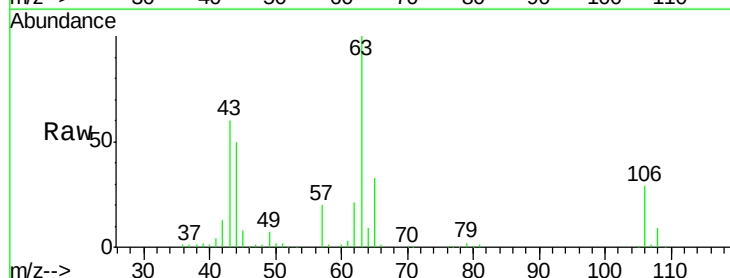
Manual Integrations
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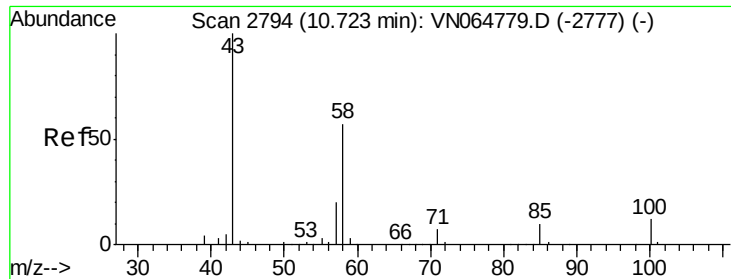
MMDadoda
 12/1/2020 9:35:02 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 88.126 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN064865.D
 Acq: 30 Nov 2020 12:04

Tgt Ion: 63 Resp: 156285
 Ion Ratio Lower Upper
 63 100
 106 28.1 22.7 34.1





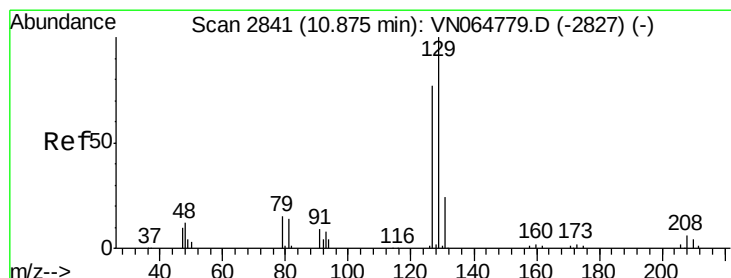
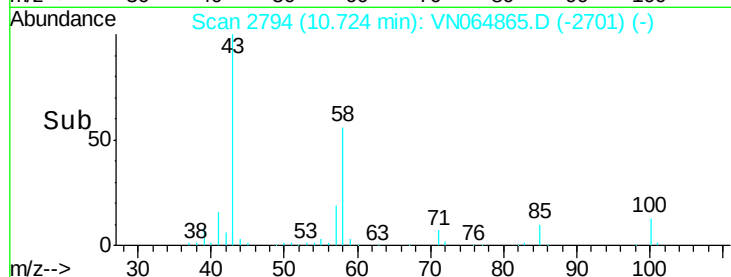
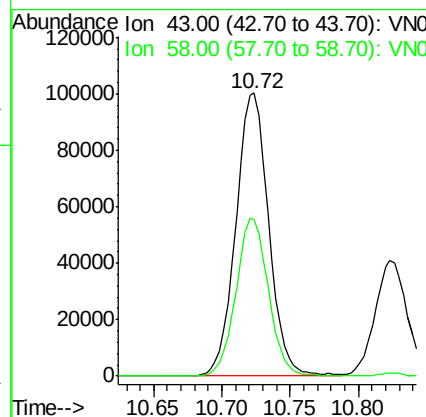
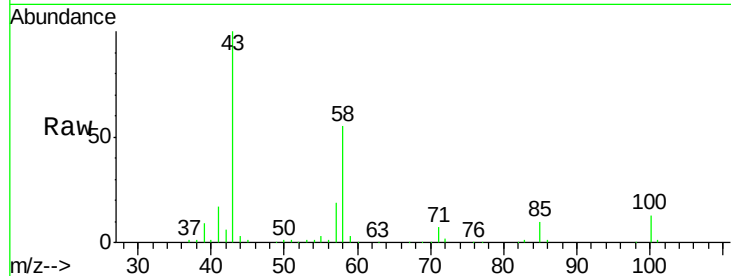
#59
2-Hexanone
Concen: 83.430 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064865.D
Acq: 30 Nov 2020 12:04

Instrument :
MSVOA_N
ClientSampleId :
VN1130MBS01

Tot Ion	43	58	Ratio	Lower	Upper
168213	100	54.9		28.3	84.9

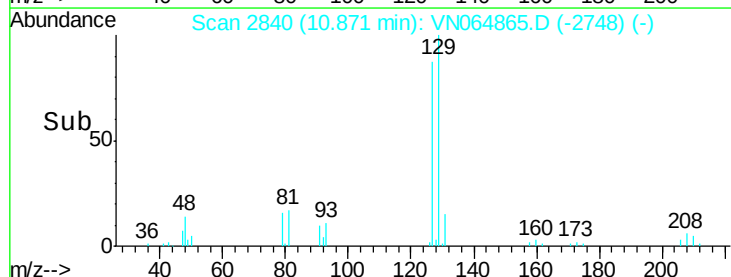
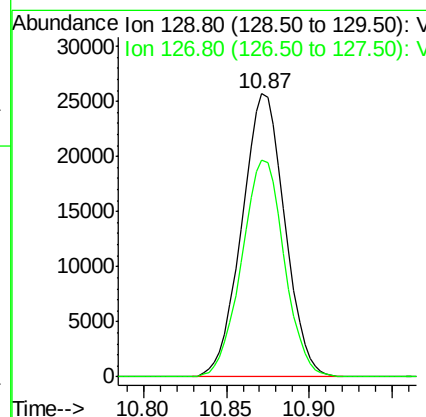
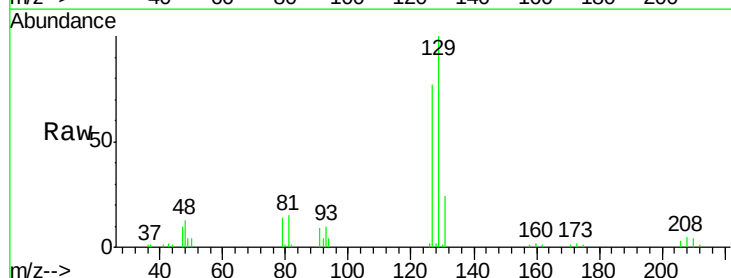
Manual Integrations
APPROVED

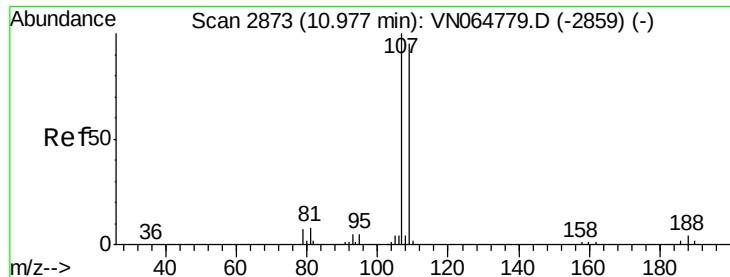
MMDadoda
12/1/2020 9:35:02 AM



#60
Dibromochloromethane
Concen: 17.813 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064865.D
Acq: 30 Nov 2020 12:04

Tgt Ion	129	127	Ratio	Lower	Upper
46259	100	76.1		39.1	117.2





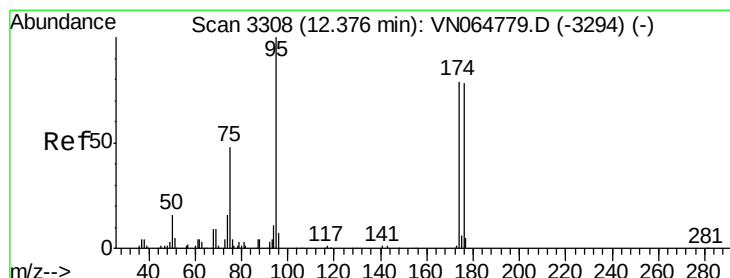
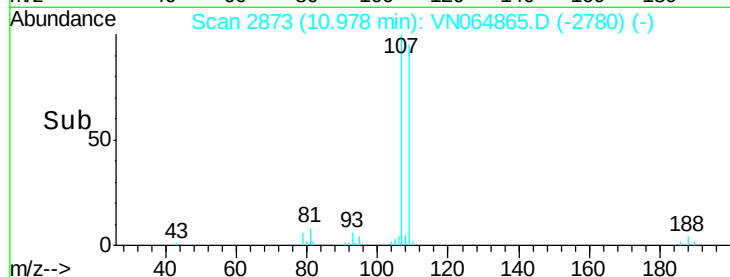
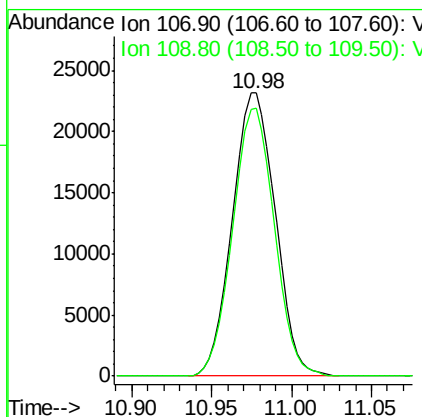
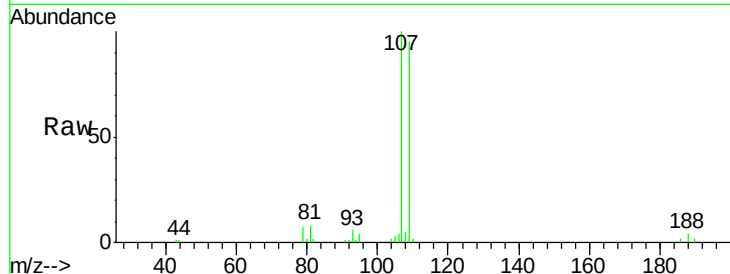
#61
 1,2-Dibromoethane
 Concen: 17.862 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN064865.D
 Acq: 30 Nov 2020 12:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1130MBS01

Tot Ion: 107 Resp: 42397
 Ion Ratio Lower Upper
 107 100
 109 91.9 76.0 114.0

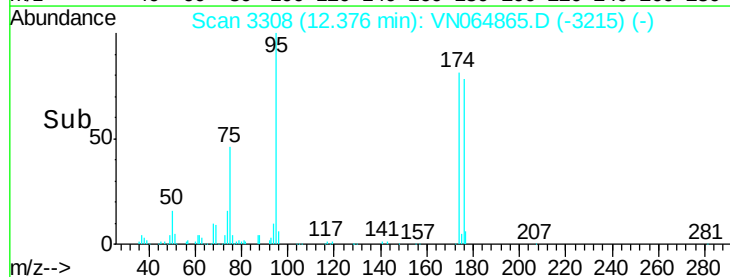
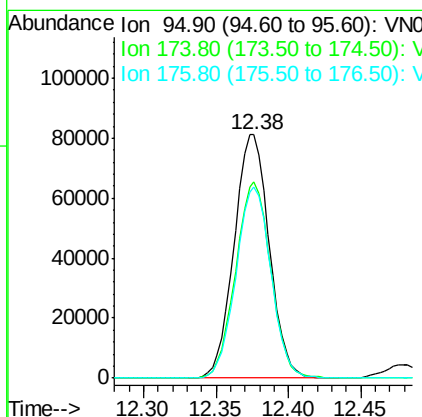
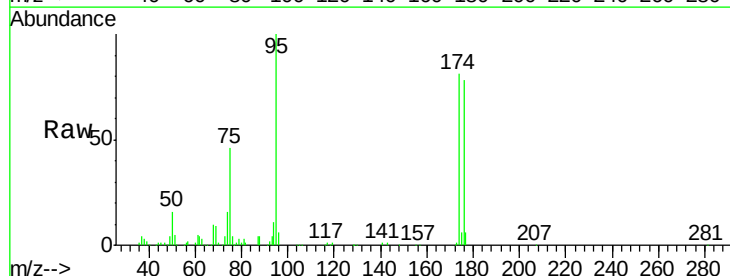
Manual Integrations
 APPROVED

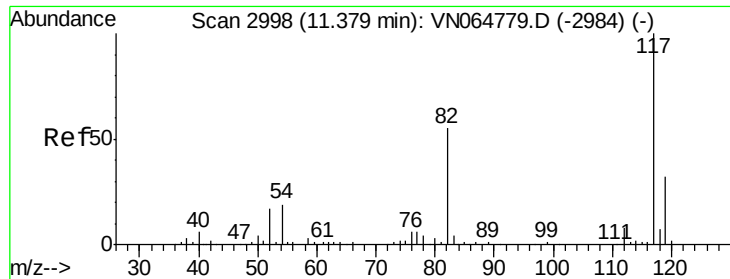
MMDadoda
 12/1/2020 9:35:02 AM



#62
 4-Bromofluorobenzene
 Concen: 48.101 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: VN064865.D
 Acq: 30 Nov 2020 12:04

Tgt Ion: 95 Resp: 136702
 Ion Ratio Lower Upper
 95 100
 174 80.6 0.0 160.4
 176 78.3 0.0 158.4





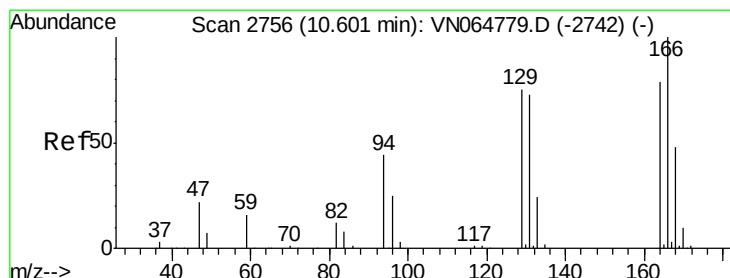
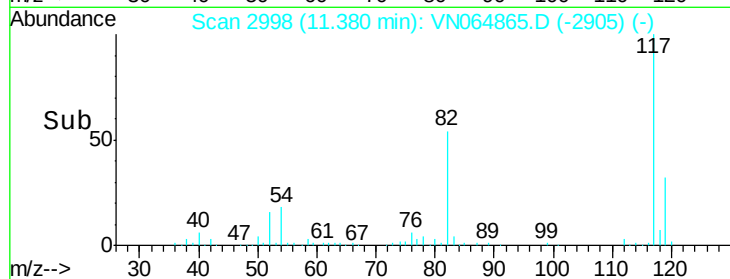
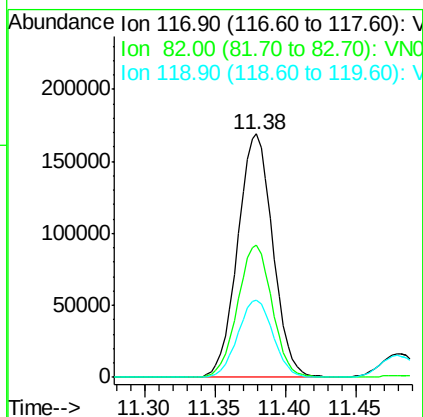
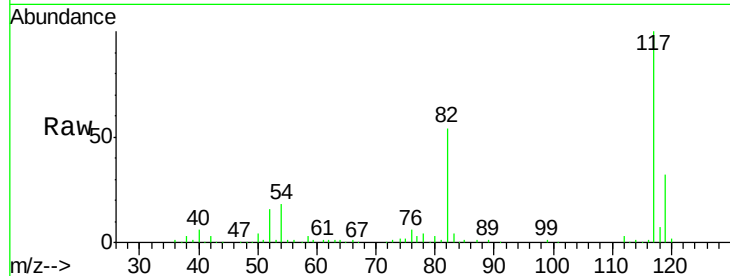
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064865.D
Acq: 30 Nov 2020 12:04

Instrument :
MSVOA_N
ClientSampled :
VN1130MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.2	44.2	66.2
119	31.9	25.8	38.6

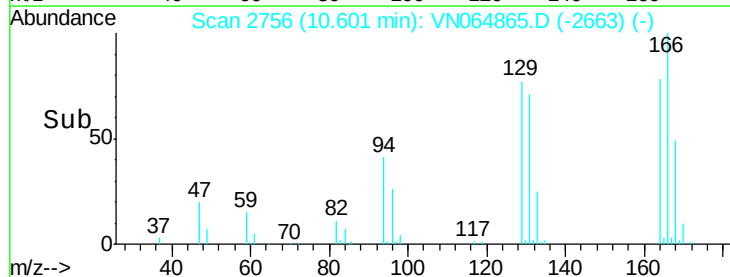
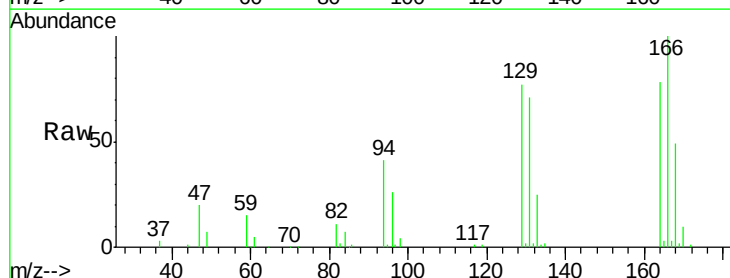
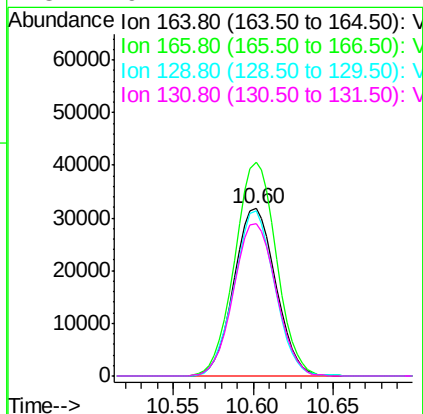
Manual Integrations
APPROVED

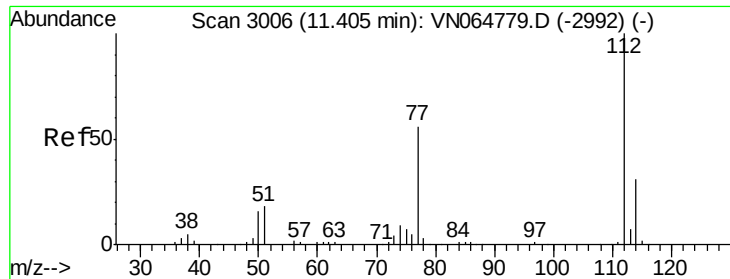
MMDadoda
12/1/2020 9:35:02 AM



#64
Tetrachloroethene
Concen: 19.746 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064865.D
Acq: 30 Nov 2020 12:04

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.5	101.4	152.0
129	98.3	76.1	114.1
131	91.2	74.2	111.2





#65

Chlorobenzene

Concen: 17.718 ug/l

RT: 11.41 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VN064865.D

Acq: 30 Nov 2020 12:04

Instrument :

MSVOA_N

ClientSampled :

VN1130MBS01

Tot Ion:112 Resp: 112261

Ion Ratio Lower Upper

112 100

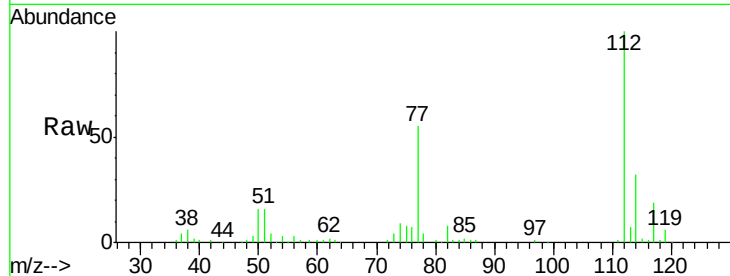
114 32.0 25.1 37.7

Manual Integrations

APPROVED

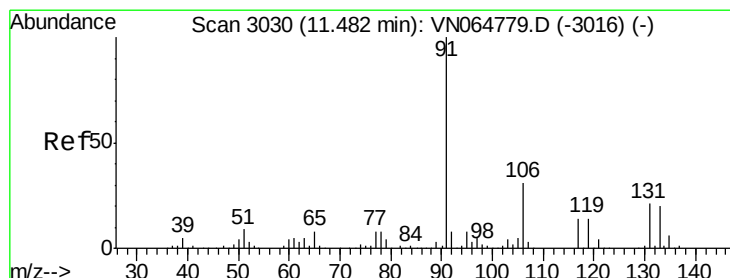
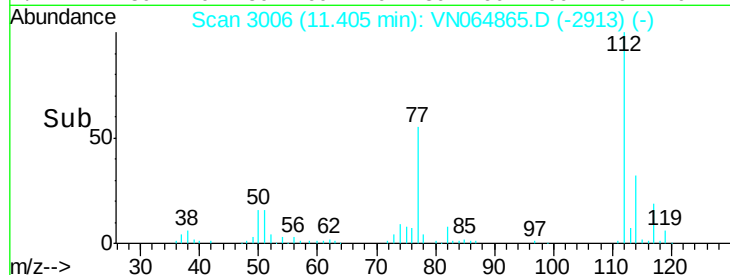
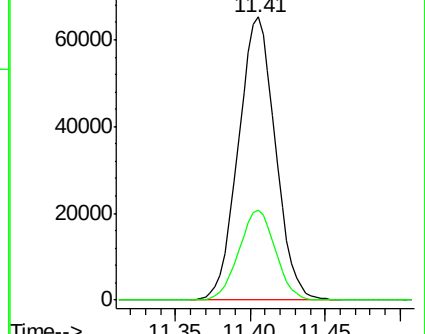
MMDadoda

12/1/2020 9:35:02 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 17.886 ug/l

RT: 11.48 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN064865.D

Acq: 30 Nov 2020 12:04

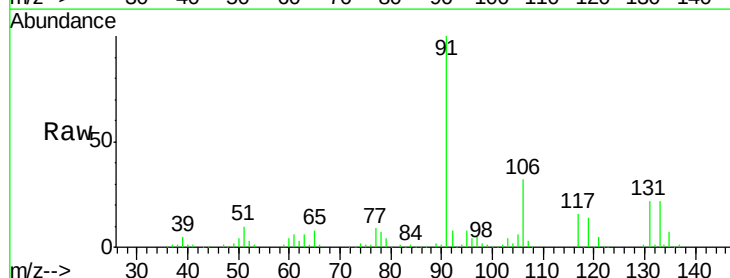
Tgt Ion:131 Resp: 41648

Ion Ratio Lower Upper

131 100

133 98.6 47.5 142.5

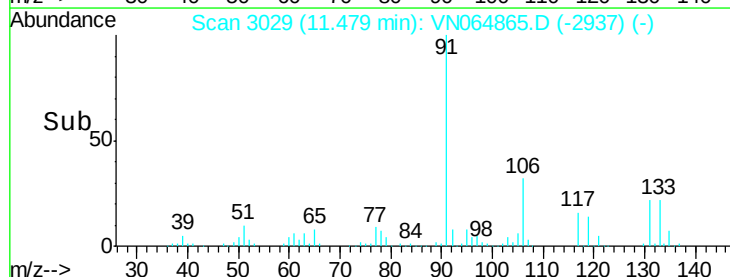
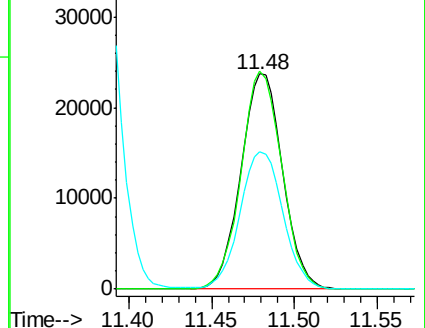
119 65.8 33.3 99.8

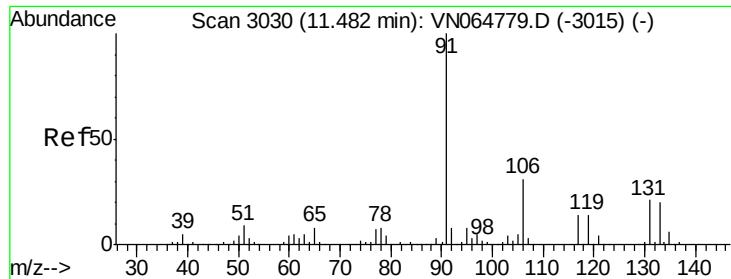


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





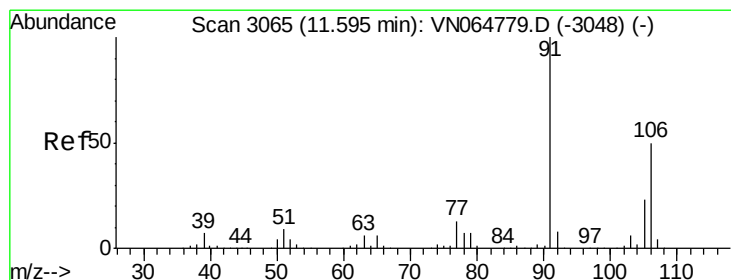
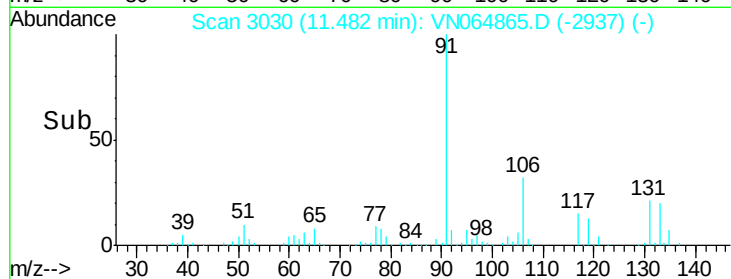
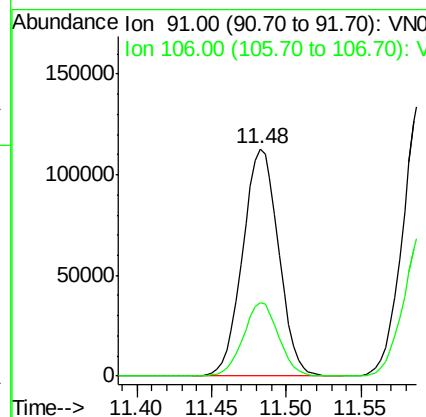
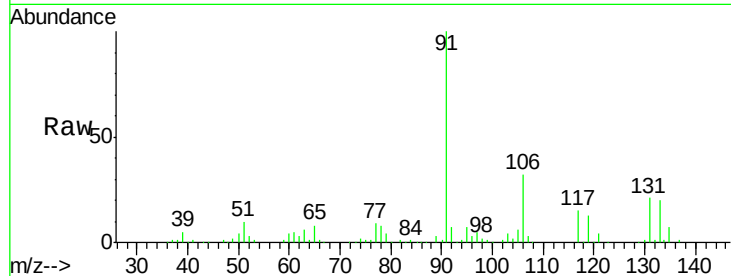
#67
Ethyl Benzene
Concen: 17.852 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064865.D
Acq: 30 Nov 2020 12:04

Instrument :
MSVOA_N
ClientSampleId :
VN1130MBS01

Tot Ion: 91 Resp: 188956
Ion Ratio Lower Upper
91 100
106 32.3 25.2 37.8

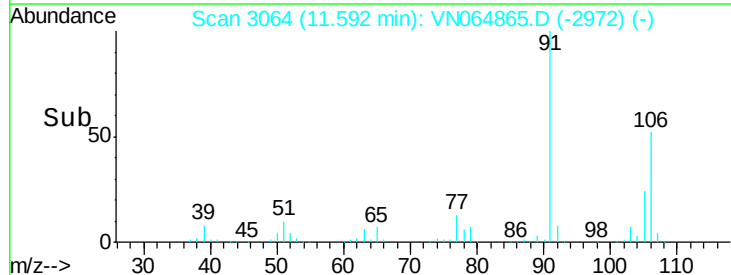
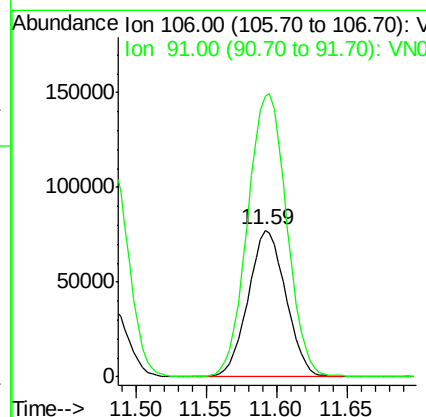
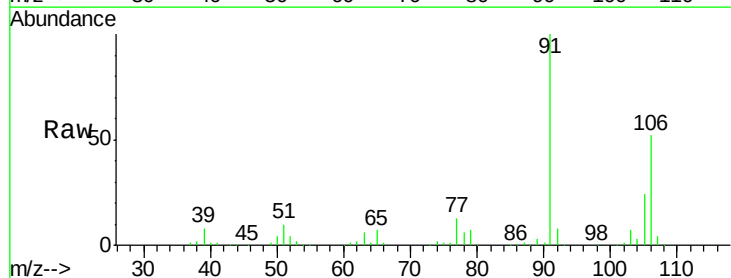
Manual Integrations
APPROVED

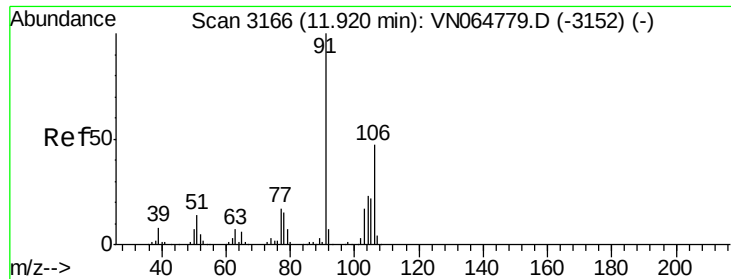
MMDadoda
12/1/2020 9:35:02 AM



#68
m/p-Xylenes
Concen: 36.293 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. -0.00 min
Lab File: VN064865.D
Acq: 30 Nov 2020 12:04

Tgt Ion: 106 Resp: 145446
Ion Ratio Lower Upper
106 100
91 199.2 161.0 241.4





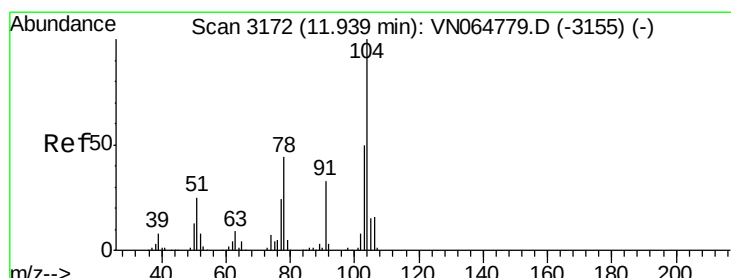
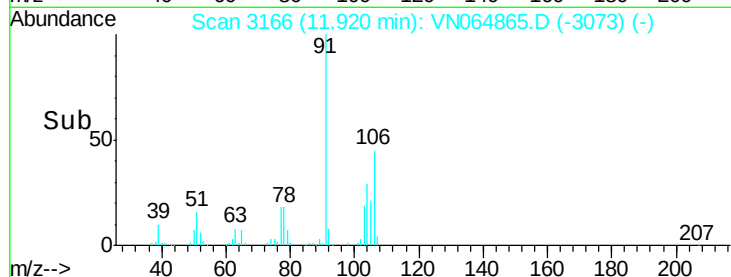
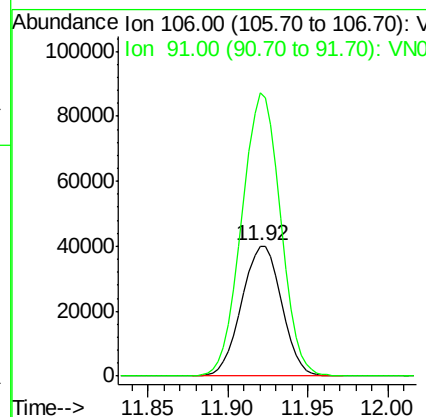
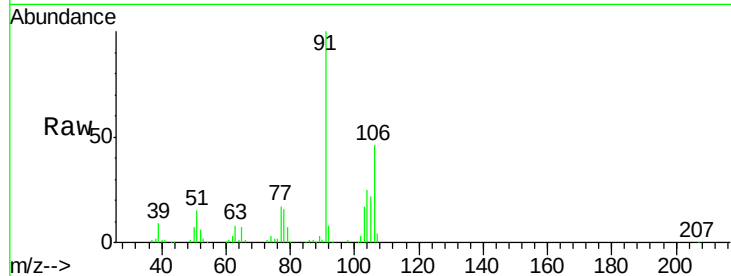
#69
o-Xylene
Concen: 18.034 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN064865.D
Acq: 30 Nov 2020 12:04

Instrument :
MSVOA_N
ClientSampled :
VN1130MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		68583		
91	210.8	105.5	316.5		

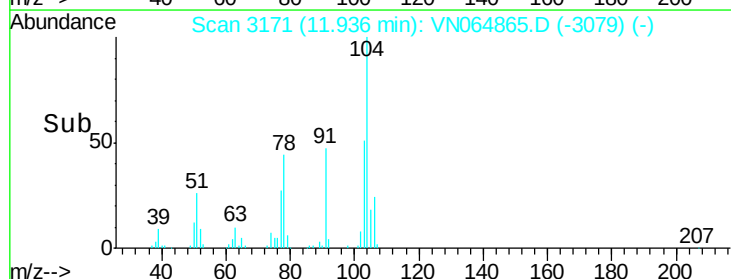
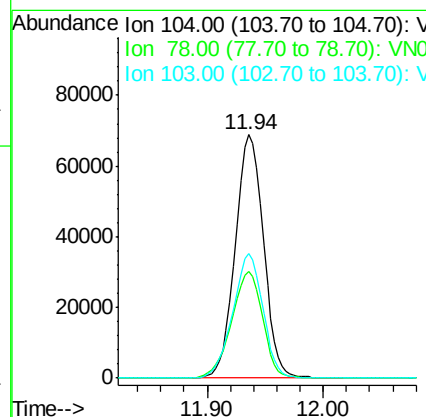
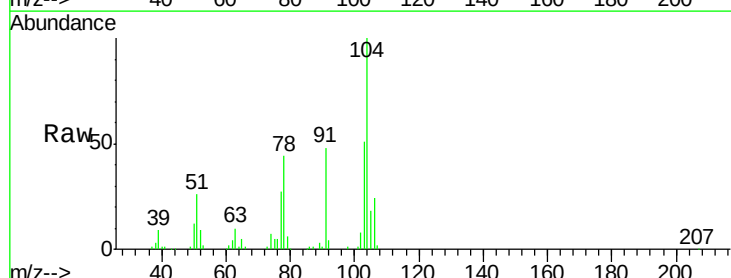
Manual Integrations
APPROVED

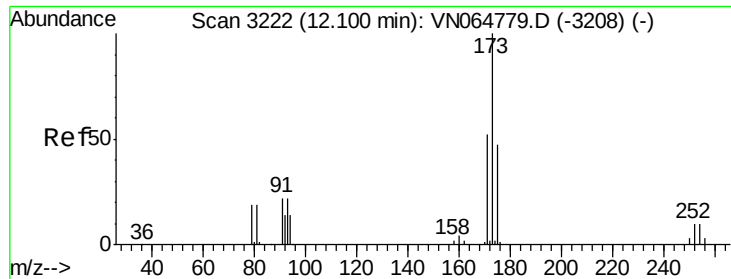
MMDadoda
12/1/2020 9:35:02 AM



#70
Styrene
Concen: 18.071 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064865.D
Acq: 30 Nov 2020 12:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		116013		
78	47.9	39.0	58.6		
103	54.4	44.3	66.5		





#71

Bromoform

Concen: 16.781 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN064865.D

Acq: 30 Nov 2020 12:04

Instrument :

MSVOA_N

ClientSampleId :

VN1130MBS01

Tot Ion:173 Resp: 31209

Ion Ratio Lower Upper

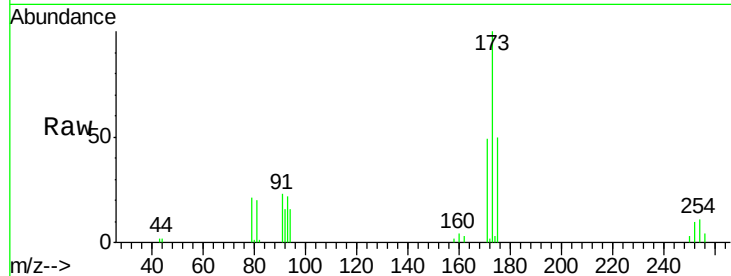
173 100

175 49.2 24.3 72.8

254 0.0 0.0 0.0

Manual Integrations
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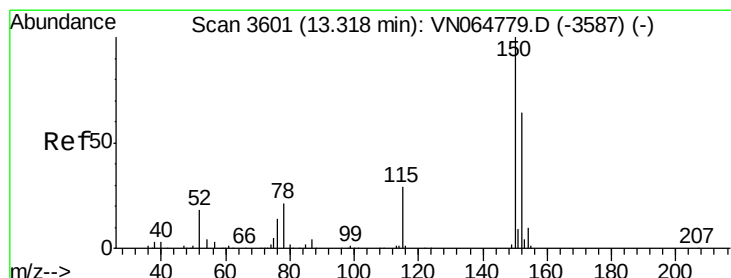
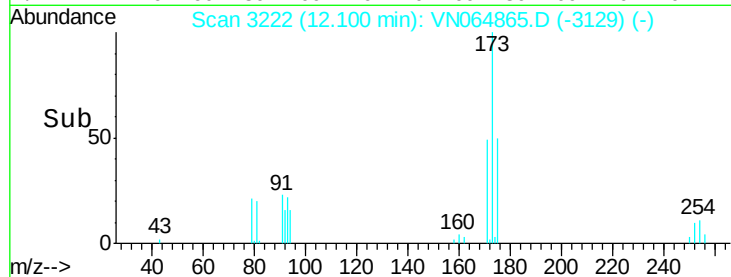
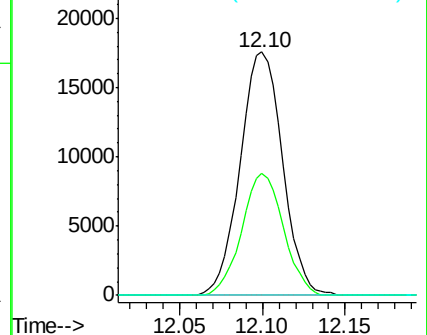
MMDadoda
12/1/2020 9:35:02 AM



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: VN064865.D

Acq: 30 Nov 2020 12:04

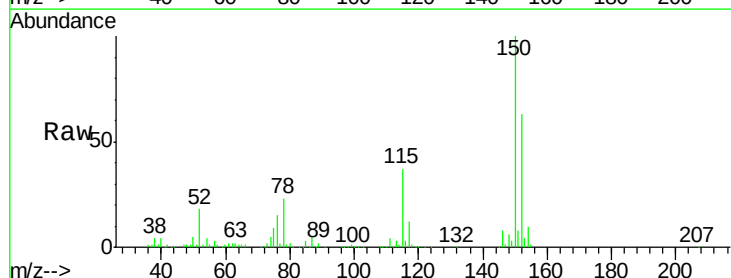
Tgt Ion:152 Resp: 142757

Ion Ratio Lower Upper

152 100

115 59.4 29.7 89.1

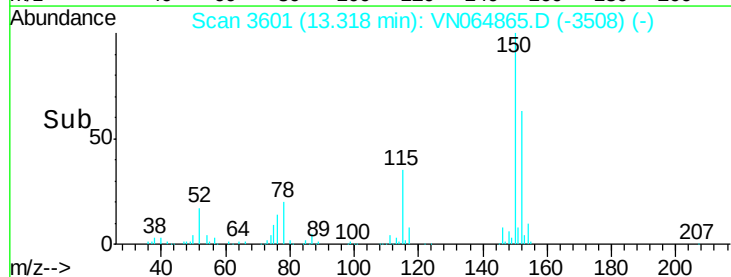
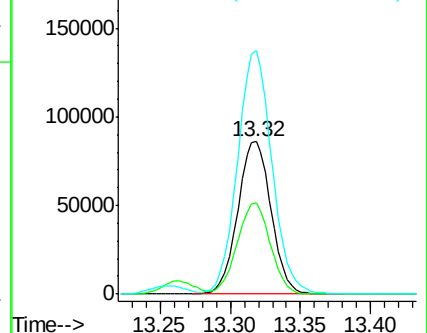
150 163.9 0.0 350.6

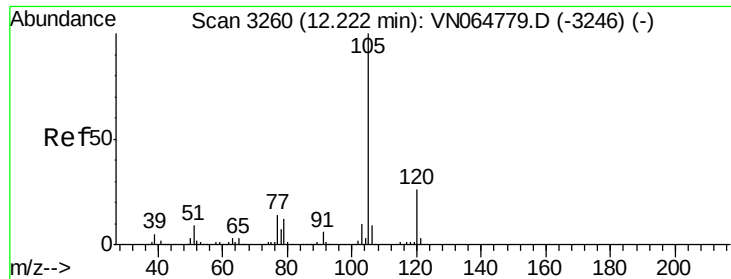


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





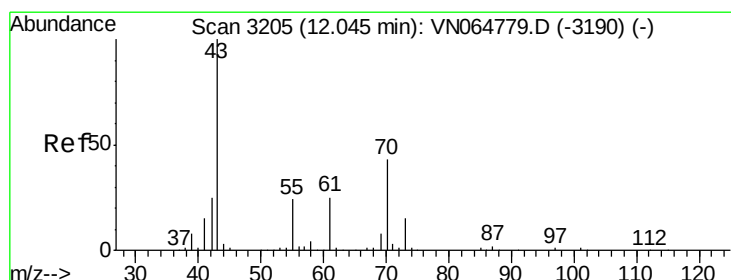
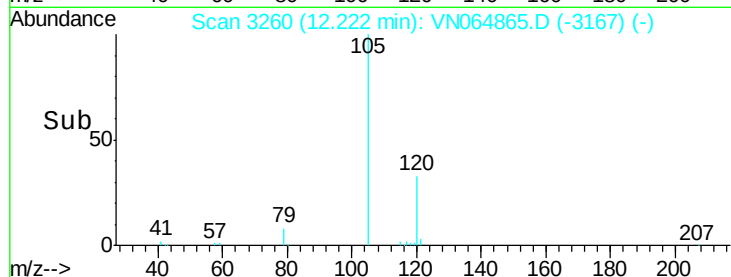
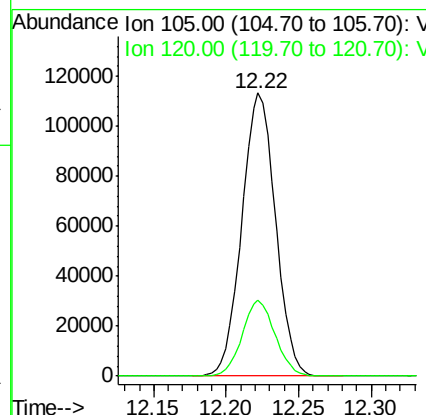
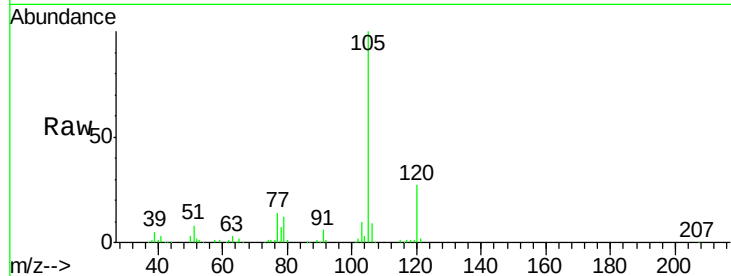
#73
Isopropylbenzene
Concen: 18.437 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. 0.00 min
Lab File: VN064865.D
Acq: 30 Nov 2020 12:04

Instrument :
MSVOA_N
ClientSampleId :
VN1130MBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.3	39.9

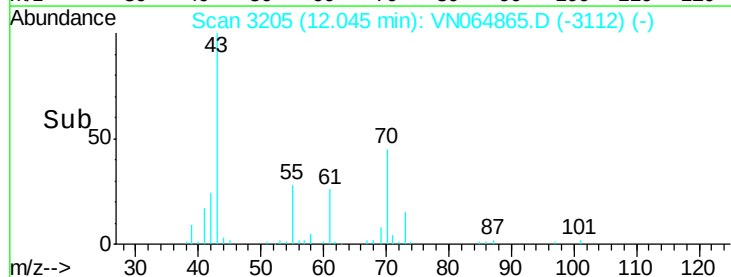
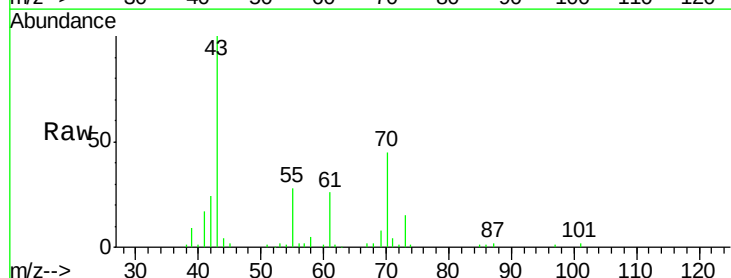
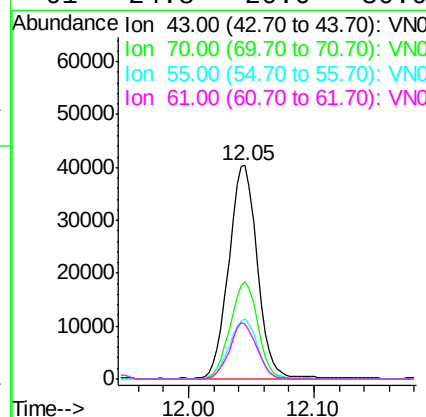
Manual Integrations
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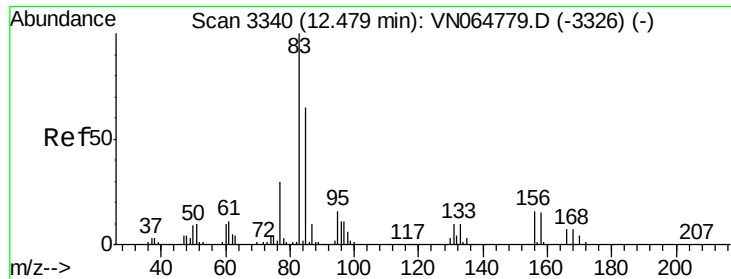
MMDadoda
12/1/2020 9:35:02 AM



#74
N-ethyl acetate
Concen: 16.468 ug/l
RT: 12.05 min Scan# 3205
Delta R.T. 0.00 min
Lab File: VN064865.D
Acq: 30 Nov 2020 12:04

Tgt Ion	Ratio	Lower	Upper
43	100		
70	44.0	34.5	51.7
55	27.6	20.4	30.6
61	24.8	20.0	30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 16.558 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN064865.D

Acq: 30 Nov 2020 12:04

Instrument :

MSVOA_N

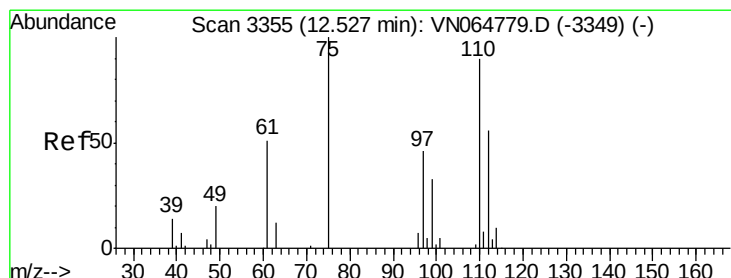
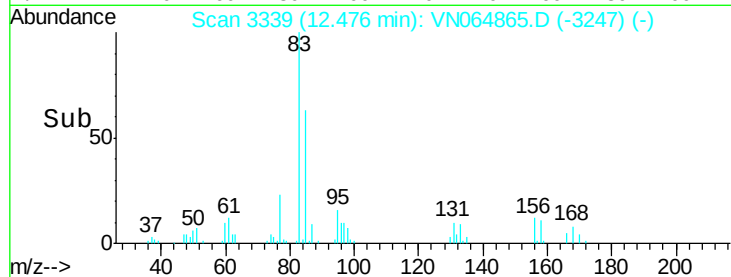
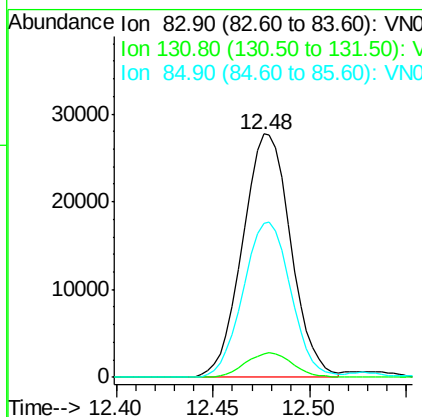
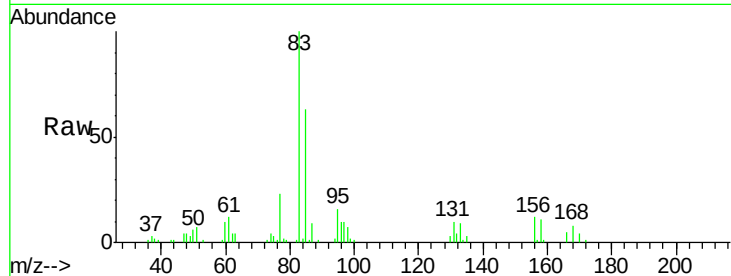
ClientSampleId :

VN1130MBS01

Tot Ion:	83	Resp:	48191
Ion Ratio	Lower	Upper	
83	100		
131	9.8	5.1	15.3
85	63.0	33.0	99.0

Manual Integrations
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MMDadoda
12/1/2020 9:35:02 AM



#76

1,2,3-Trichloropropane

Concen: 16.035 ug/l m

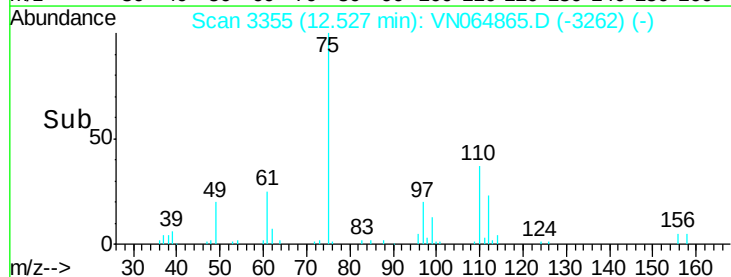
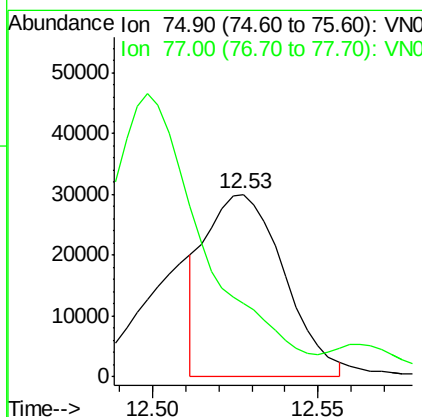
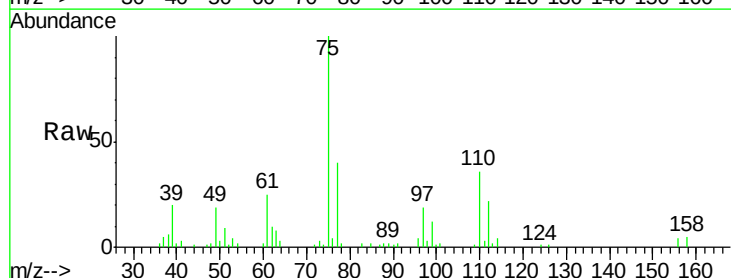
RT: 12.53 min Scan# 3355

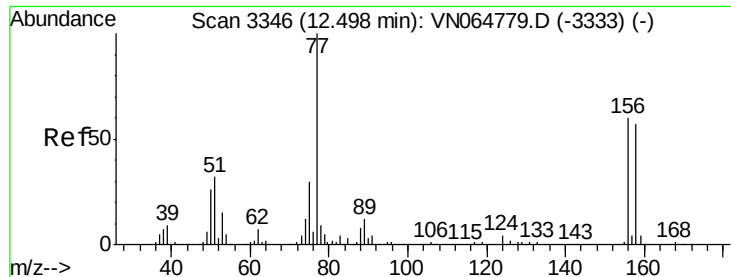
Delta R.T. 0.00 min

Lab File: VN064865.D

Acq: 30 Nov 2020 12:04

Tgt Ion:	75	Resp:	49297
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.012 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064865.D

Acq: 30 Nov 2020 12:04

Instrument :

MSVOA_N

ClientSampleId :

VN1130MBS01

Tot Ion:156 Resp: 48218

Ion Ratio Lower Upper

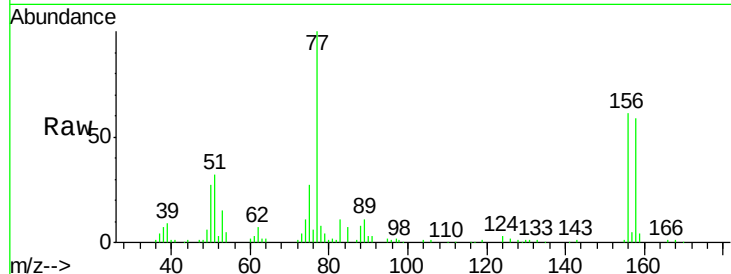
156 100

77 199.6 101.3 303.7

158 96.3 48.2 144.6

Manual Integrations
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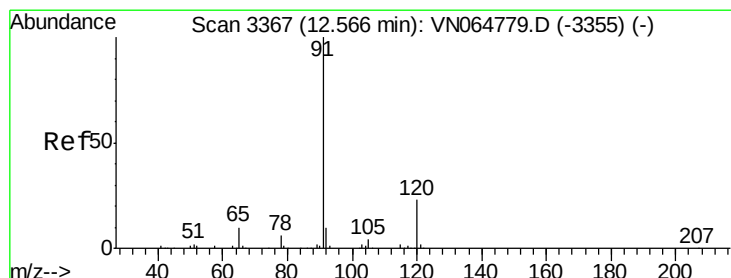
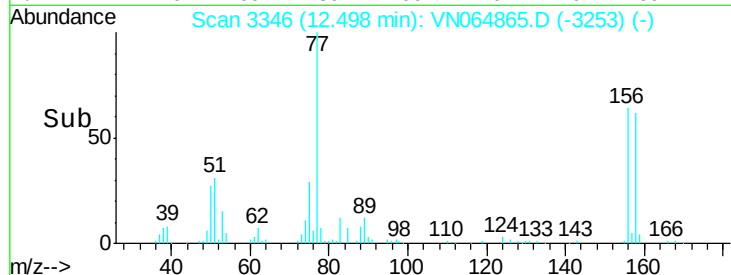
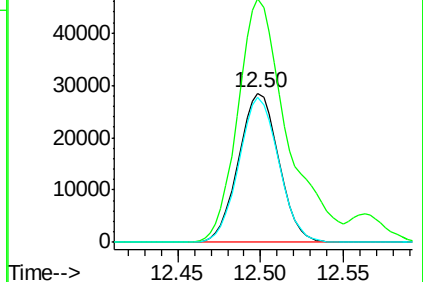
MMDadoda
12/1/2020 9:35:02 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.567 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064865.D

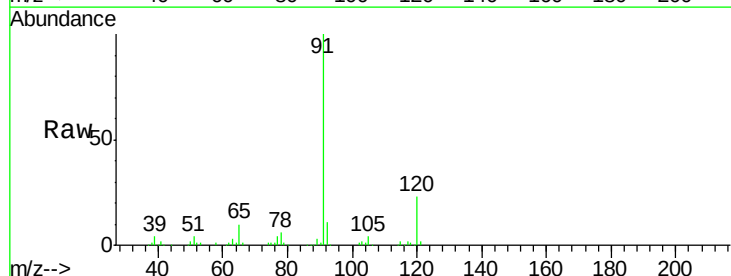
Acq: 30 Nov 2020 12:04

Tgt Ion: 91 Resp: 210025

Ion Ratio Lower Upper

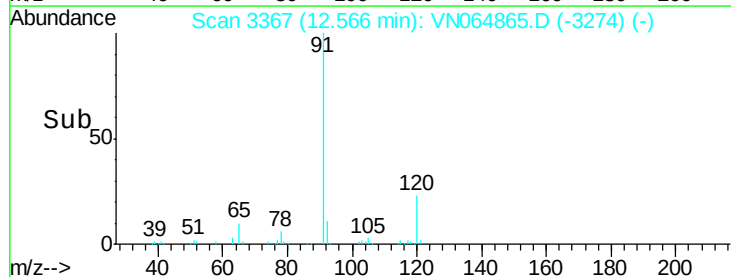
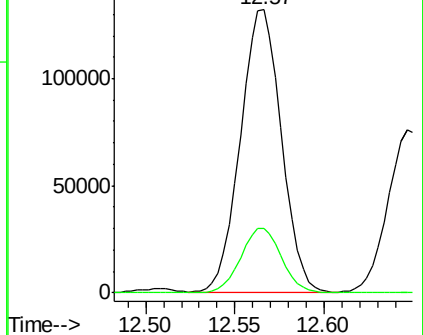
91 100

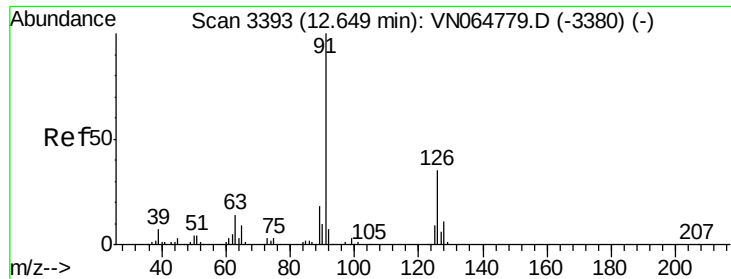
120 22.9 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.032 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN064865.D

Acq: 30 Nov 2020 12:04

Instrument :

MSVOA_N

ClientSampleId :

VN1130MBS01

Tot Ion: 91 Resp: 126088

Ion Ratio Lower Upper

91 100

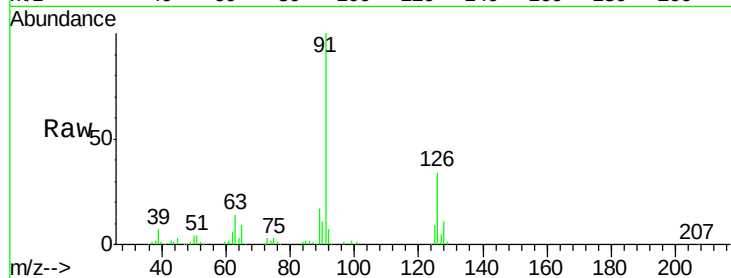
126 35.4 17.2 51.6

Manual Integrations

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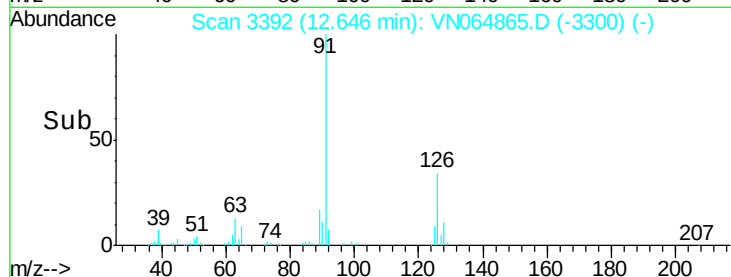
MMDadoda

12/1/2020 9:35:02 AM

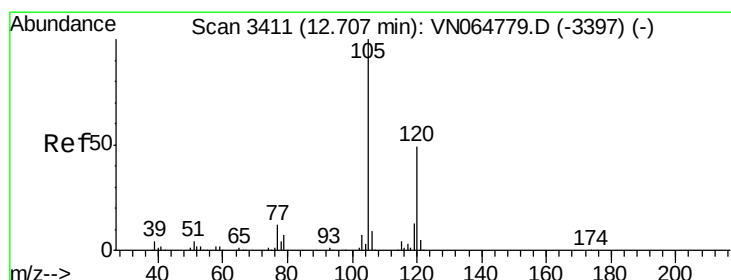


Abundance Ion 91.00 (90.70 to 91.70): VN064865.D (-3392) (-)

Ion 125.90 (125.60 to 126.60): VN064865.D (-3392) (-)



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 18.805 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064865.D

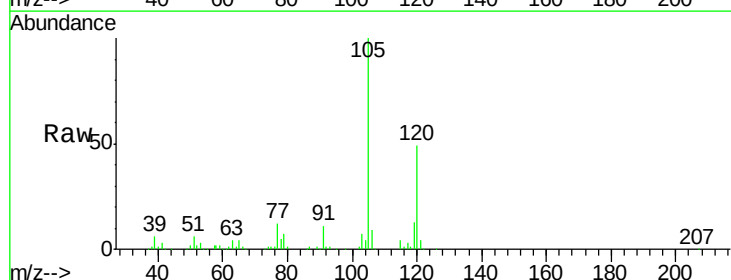
Acq: 30 Nov 2020 12:04

Tgt Ion: 105 Resp: 155207

Ion Ratio Lower Upper

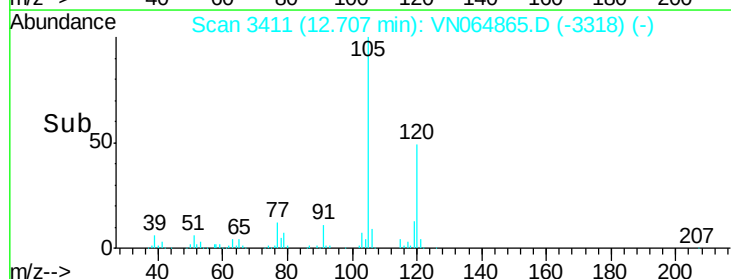
105 100

120 49.8 24.6 73.6

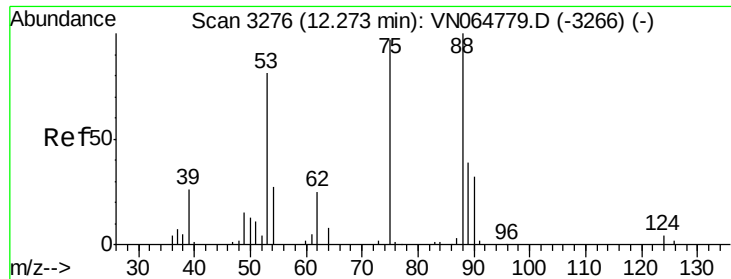


Abundance Ion 105.00 (104.70 to 105.70): VN064865.D (-3411) (-)

Ion 120.00 (119.70 to 120.70): VN064865.D (-3411) (-)



Time-->



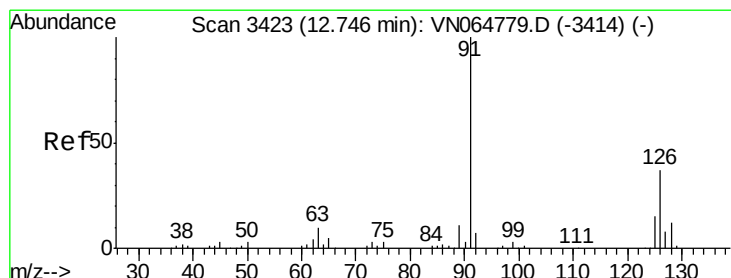
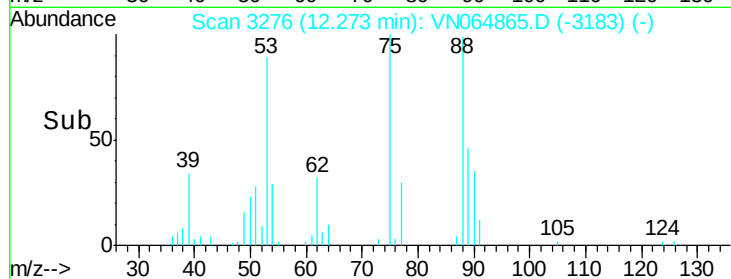
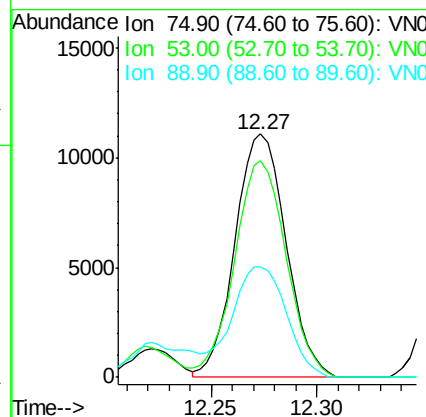
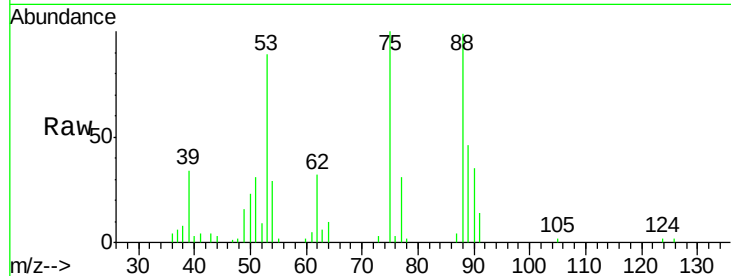
#81
trans-1,4-Dichloro-2-butene
Concen: 16.588 ug/l
RT: 12.27 min Scan# 3276
Delta R.T. 0.00 min
Lab File: VN064865.D
Acq: 30 Nov 2020 12:04

Instrument :
MSVOA_N
ClientSampleId :
VN1130MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.1	67.0	100.4
89	48.2	39.6	59.4

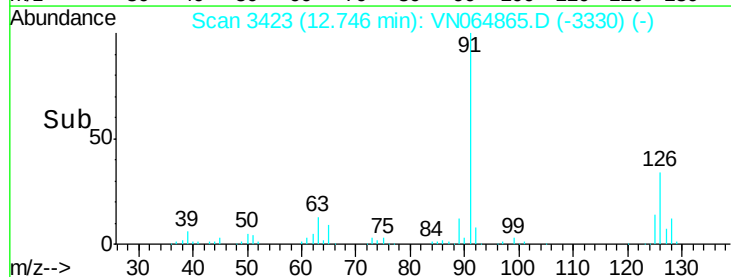
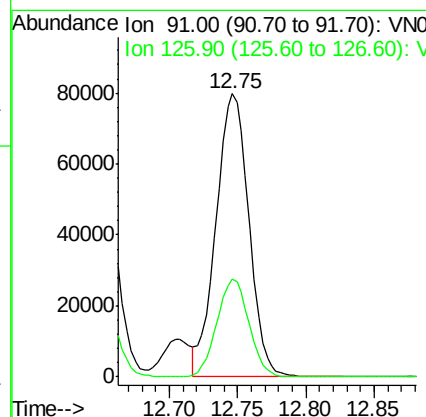
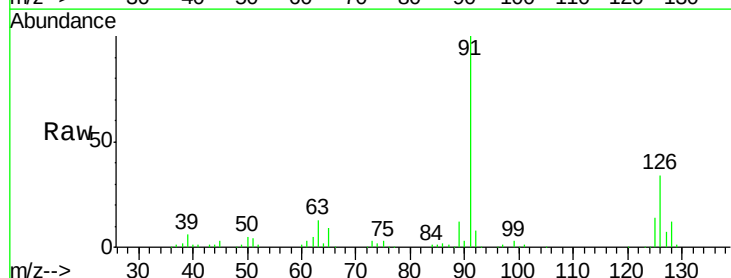
Manual Integrations
APPROVED

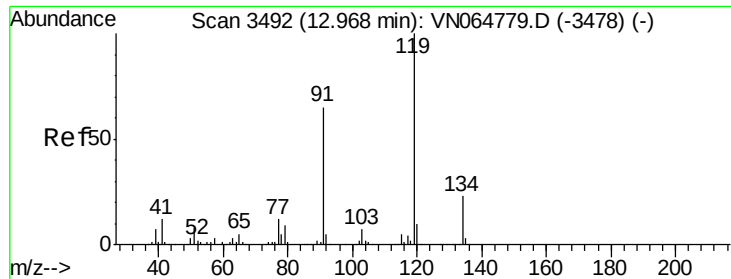
MMDadoda
12/1/2020 9:35:02 AM



#82
4-Chlorotoluene
Concen: 18.228 ug/l
RT: 12.75 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN064865.D
Acq: 30 Nov 2020 12:04

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.8	16.9	50.7





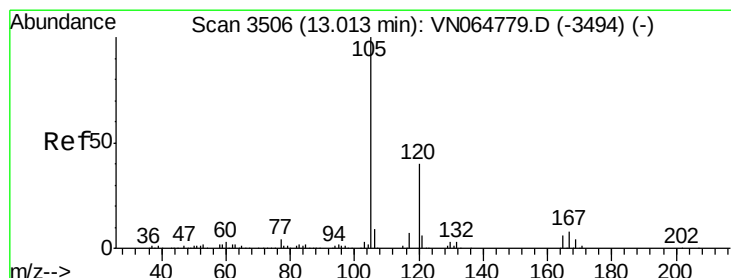
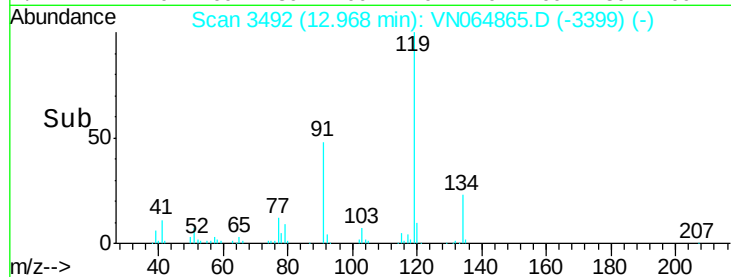
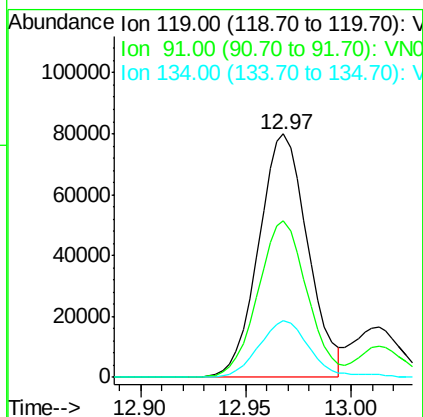
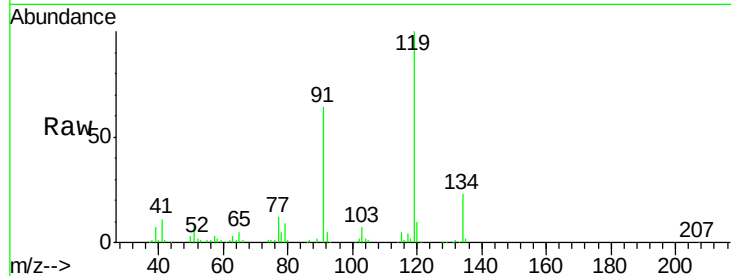
#83
 tert-Butylbenzene
 Concen: 18.725 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. 0.00 min
 Lab File: VN064865.D
 Acq: 30 Nov 2020 12:04

Instrument :
 MSVOA_N
 ClientSampled :
 VN1130MBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.8	32.3	96.8
134	24.4	12.6	37.6

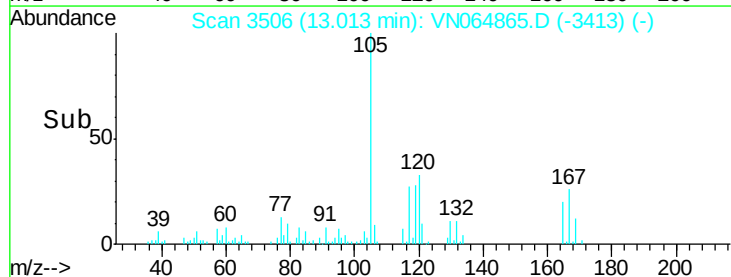
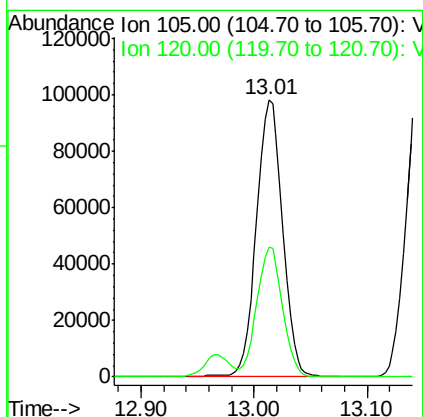
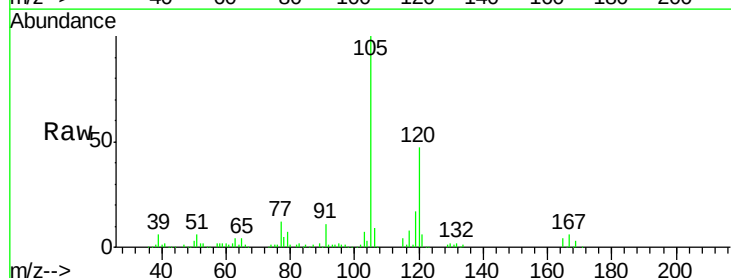
Manual Integrations
 APPROVED

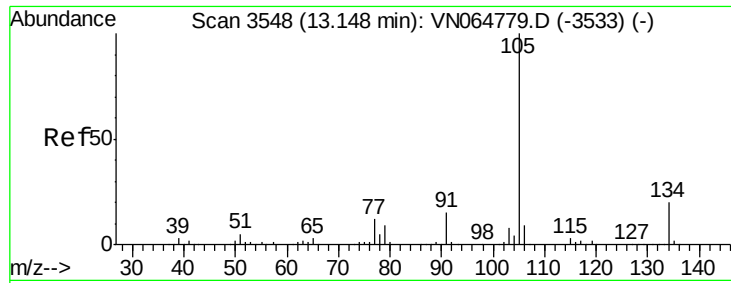
MMDadoda
 12/1/2020 9:35:02 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 18.928 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN064865.D
 Acq: 30 Nov 2020 12:04

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.8	23.1	69.2





#85

sec-Butylbenzene

Concen: 18.898 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064865.D

Acq: 30 Nov 2020 12:04

Instrument :

MSVOA_N

ClientSampleId :

VN1130MBS01

Tot Ion:105 Resp: 173585

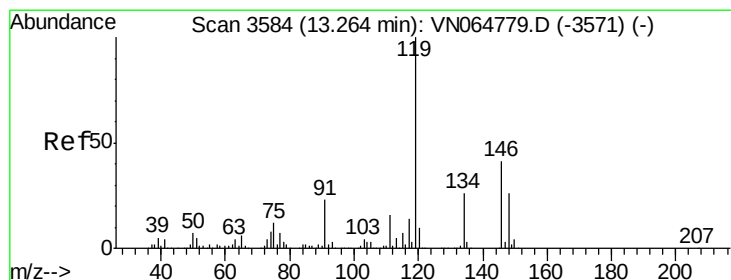
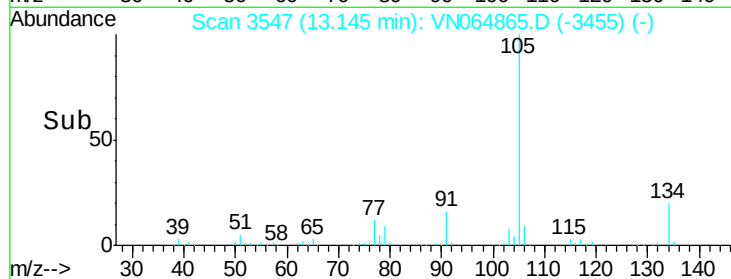
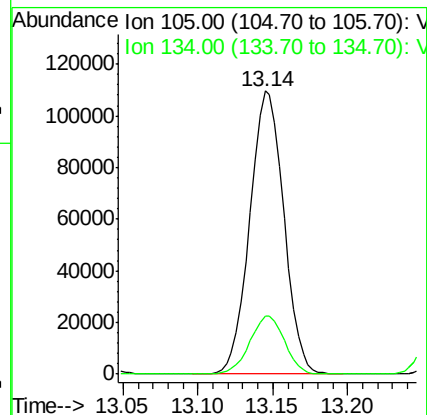
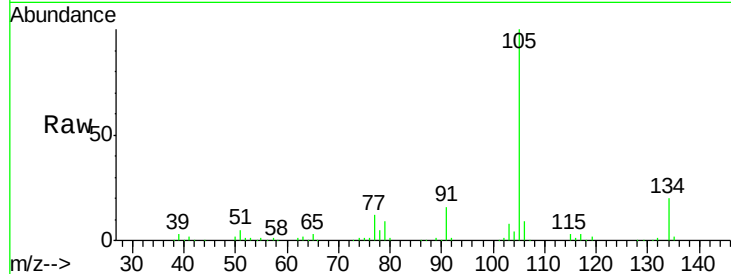
Ion Ratio Lower Upper

105 100

134 20.9 10.1 30.1

Manual Integrations
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12/1/2020 9:35:02 AM



#86

p-Isopropyltoluene

Concen: 18.997 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN064865.D

Acq: 30 Nov 2020 12:04

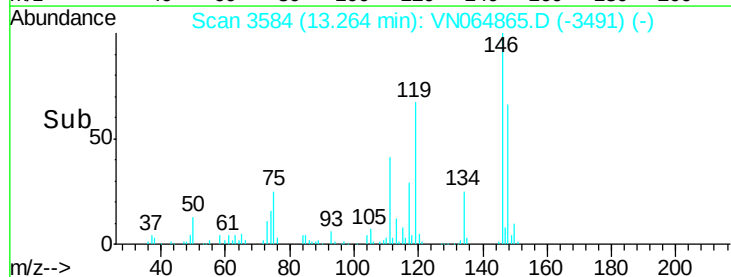
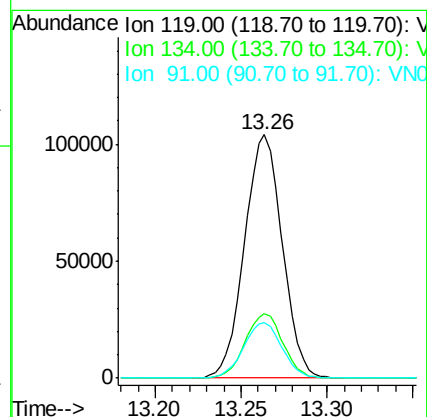
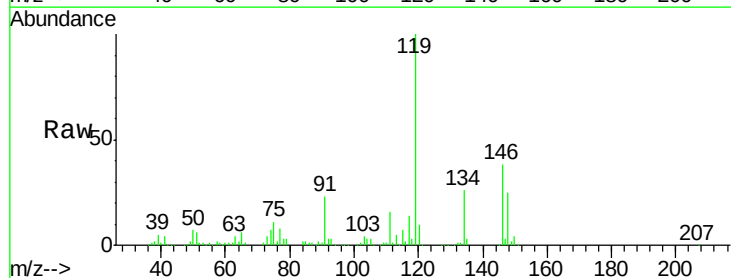
Tgt Ion:119 Resp: 158864

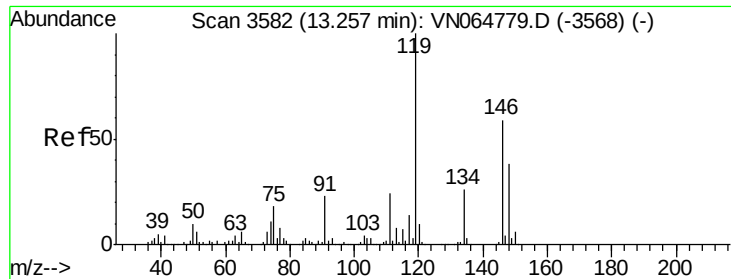
Ion Ratio Lower Upper

119 100

134 26.4 13.1 39.1

91 23.3 11.5 34.5





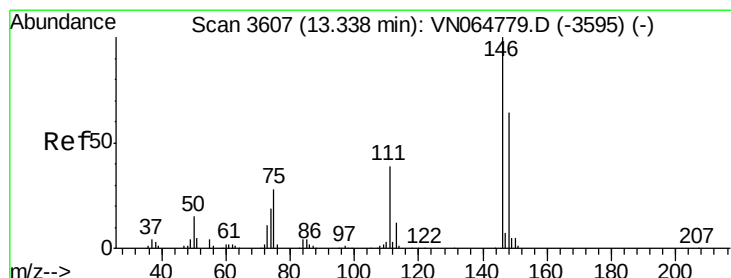
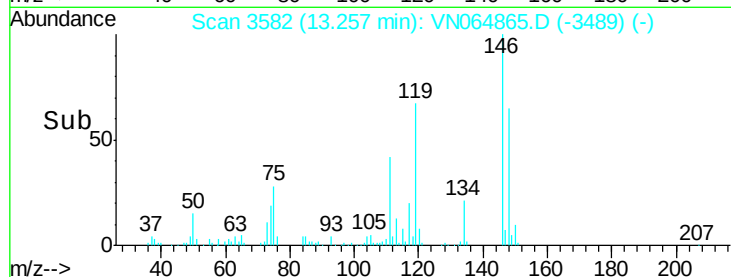
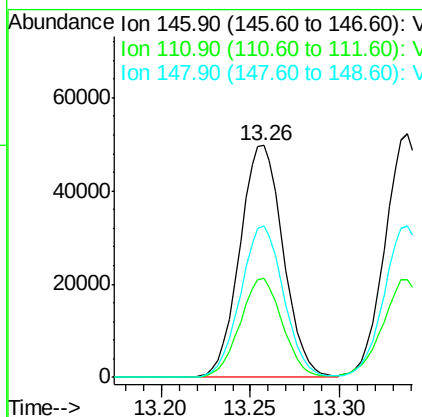
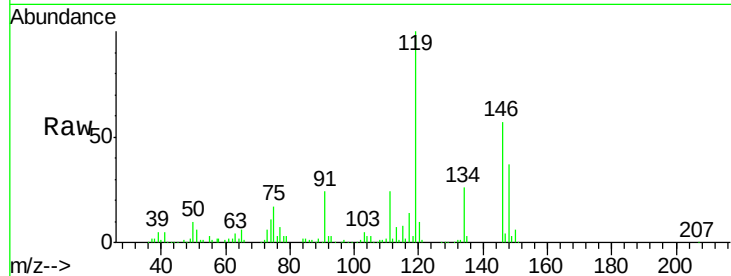
#87
 1,3-Dichlorobenzene
 Concen: 17.753 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN064865.D
 Acq: 30 Nov 2020 12:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1130MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.6	61.9
148	64.9	31.9	95.5

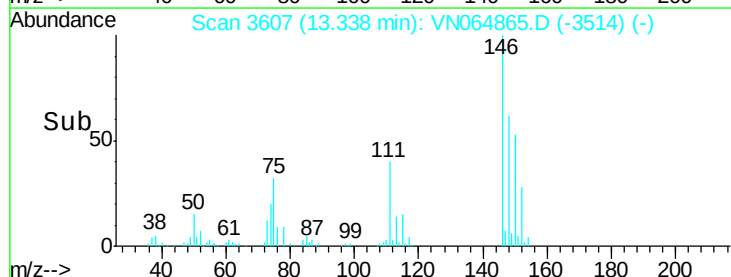
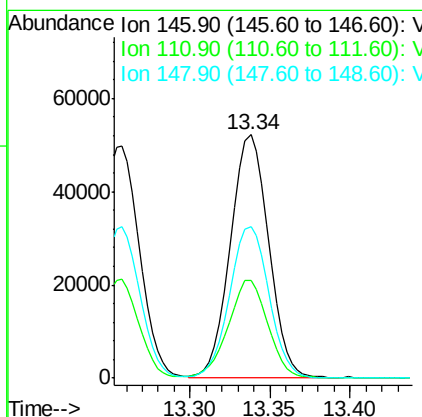
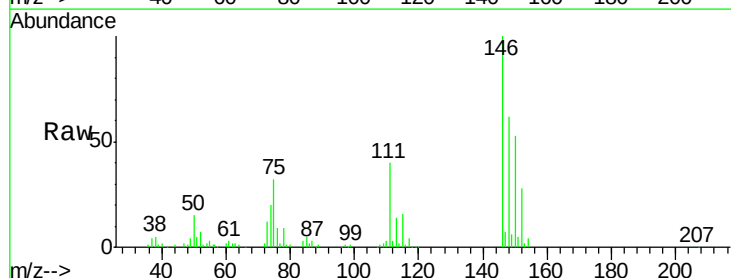
Manual Integrations
 APPROVED

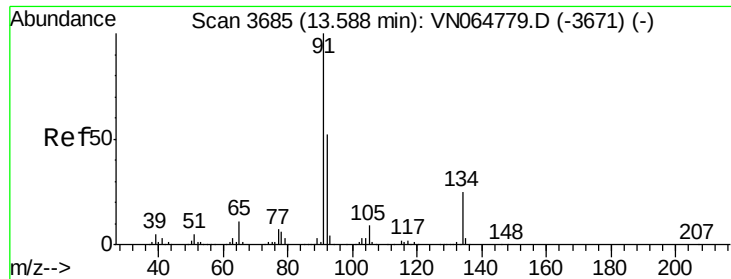
MMDadoda
 12/1/2020 9:35:02 AM



#88
 1,4-Dichlorobenzene
 Concen: 16.832 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN064865.D
 Acq: 30 Nov 2020 12:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.9	19.8	59.3
148	64.8	31.9	95.5





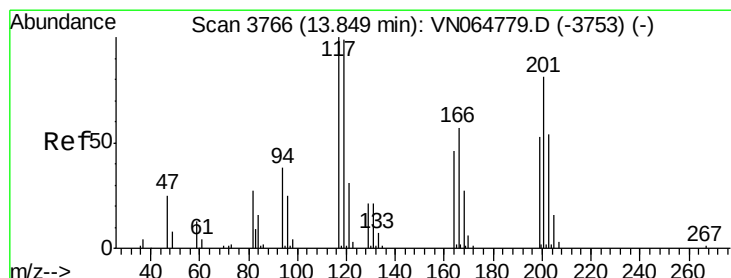
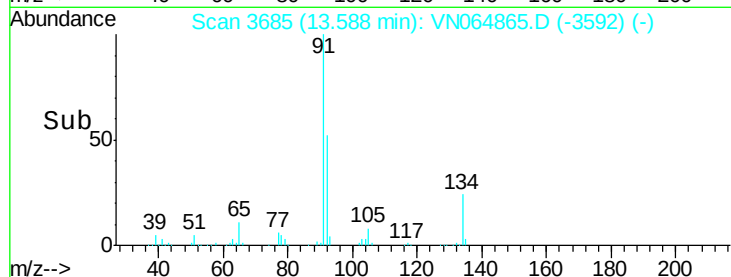
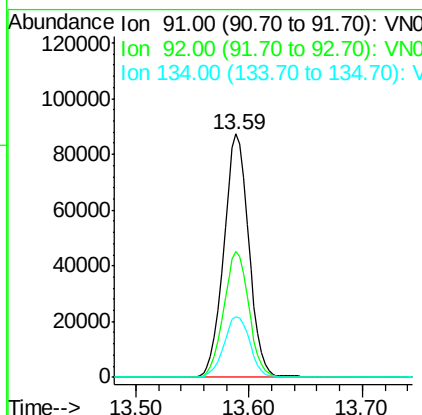
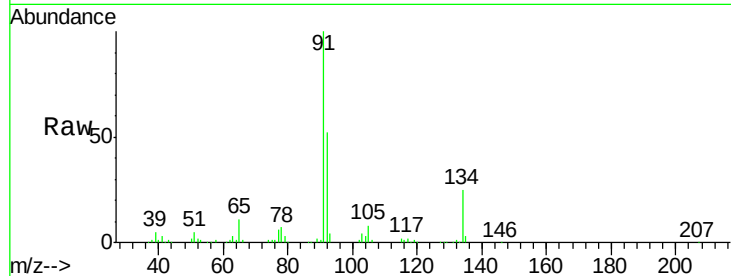
#89
n-Butylbenzene
Concen: 18.280 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN064865.D
Acq: 30 Nov 2020 12:04

Instrument :
MSVOA_N
ClientSampleId :
VN1130MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.0	78.0
134	25.7	12.9	38.6

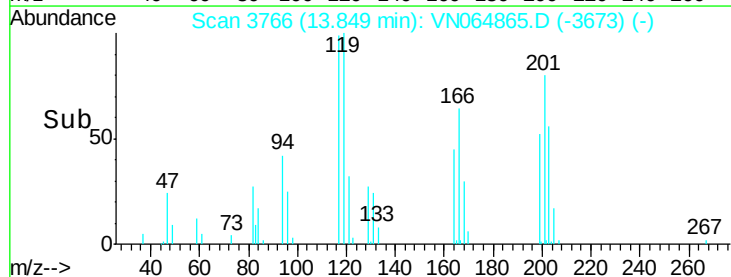
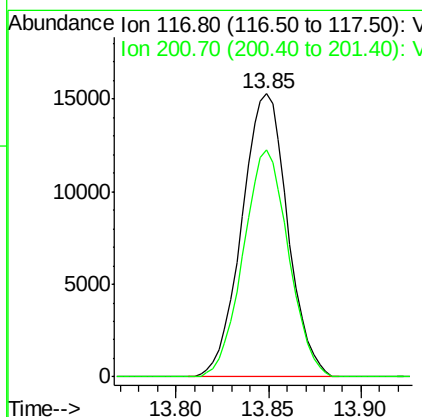
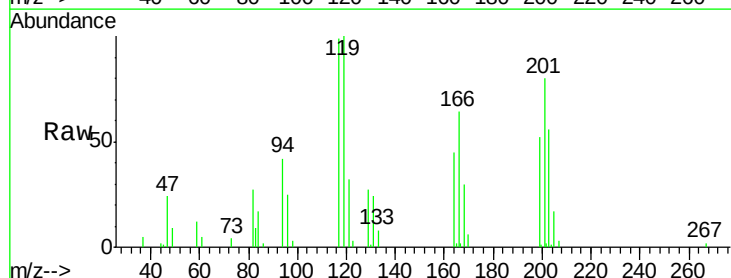
Manual Integrations
APPROVED

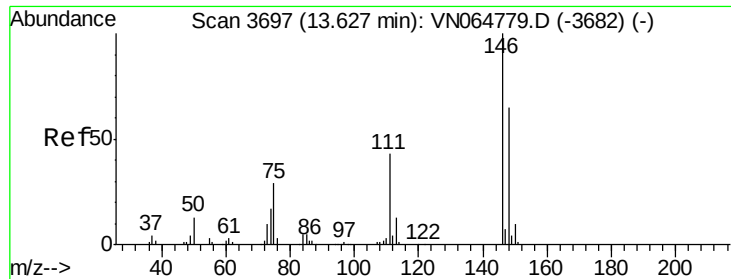
MMDadoda
12/1/2020 9:35:02 AM



#90
Hexachloroethane
Concen: 18.108 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN064865.D
Acq: 30 Nov 2020 12:04

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.2	40.1	120.3





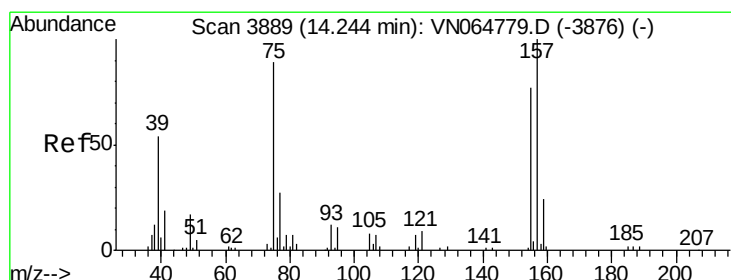
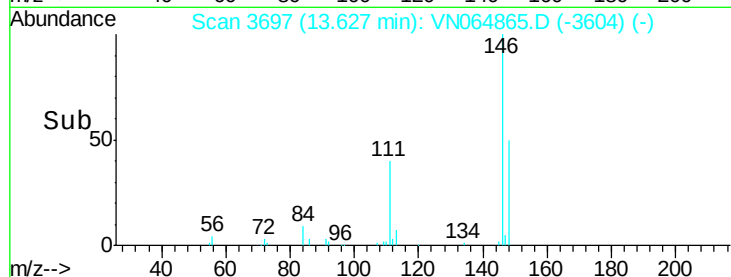
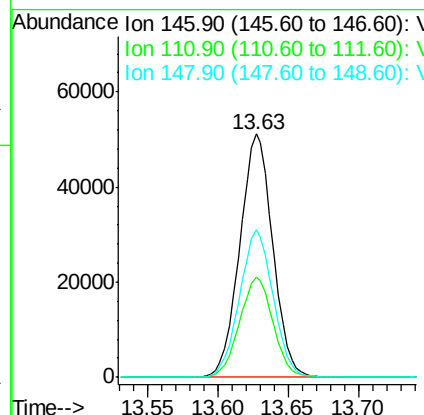
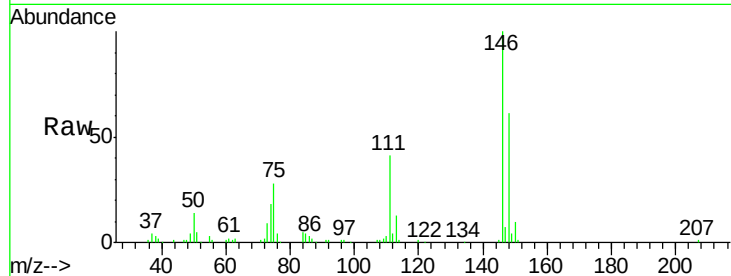
#91
 1,2-Dichlorobenzene
 Concen: 17.951 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064865.D
 Acq: 30 Nov 2020 12:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1130MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	21.1	63.1
148	61.8	32.0	96.2

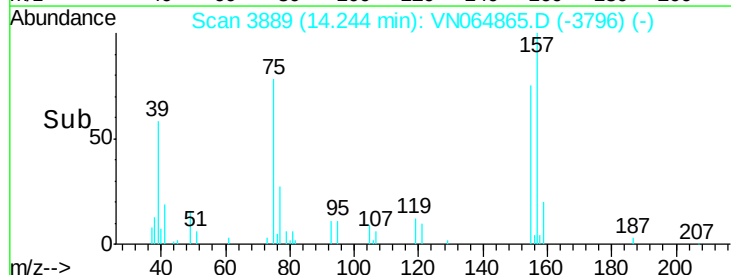
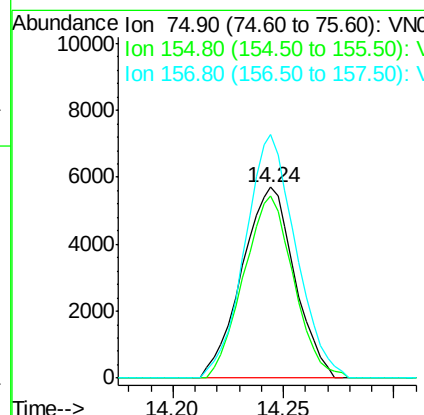
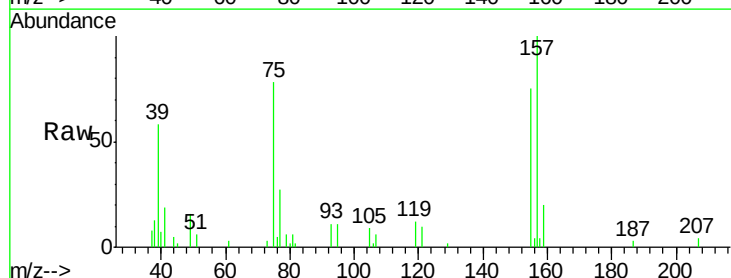
Manual Integrations
 APPROVED

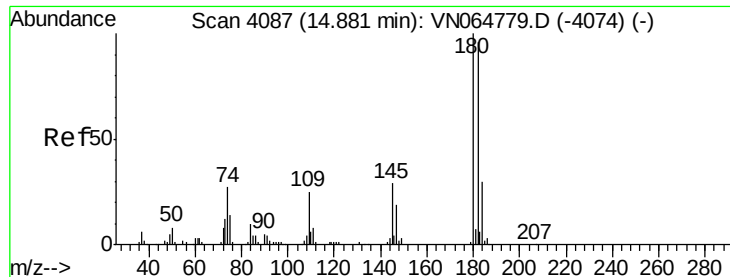
MMDadoda
 12/1/2020 9:35:02 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 14.456 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN064865.D
 Acq: 30 Nov 2020 12:04

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.6	42.8	128.3
157	123.1	56.4	169.1





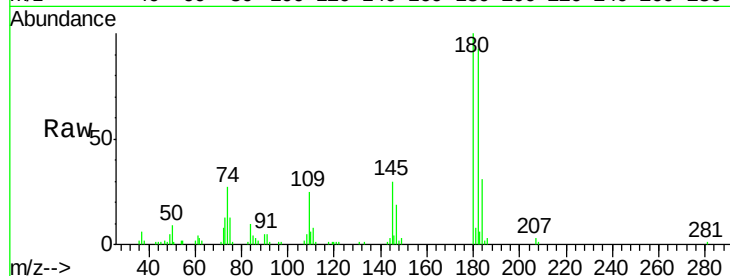
#93
 1,2,4-Trichlorobenzene
 Concen: 16.399 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN064865.D
 Acq: 30 Nov 2020 12:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1130MBS01

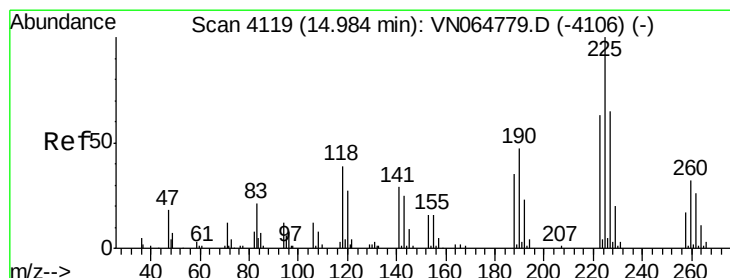
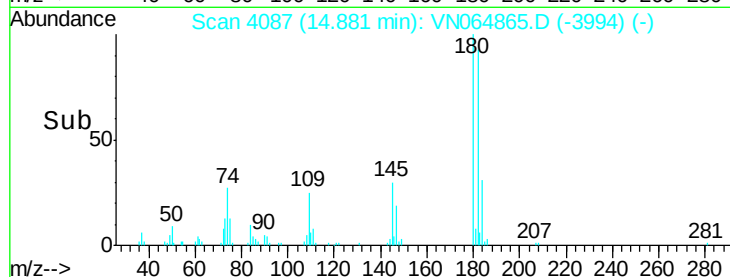
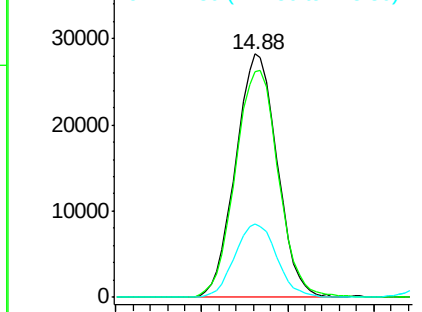
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.6	142.9
145	30.3	15.3	45.8

Manual Integrations
 APPROVED

MMDadoda
 12/1/2020 9:35:02 AM

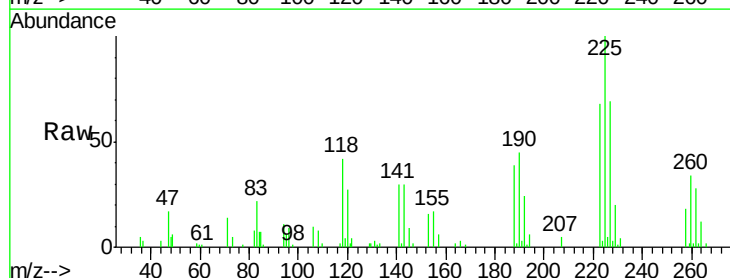


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

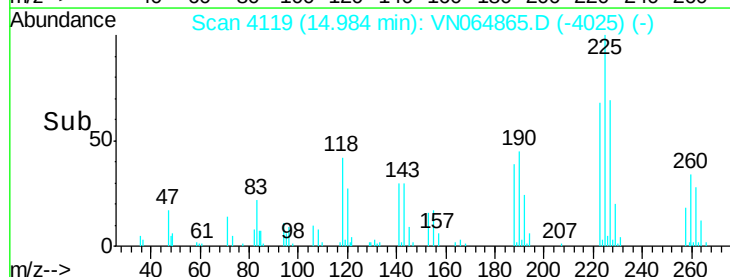
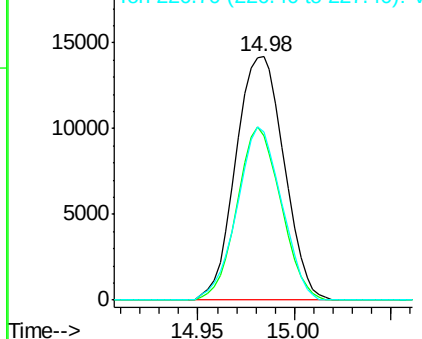


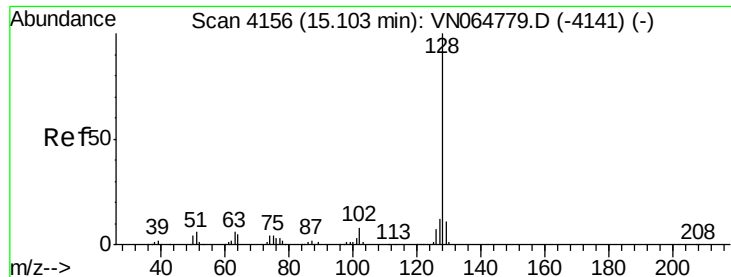
#94
 Hexachlorobutadiene
 Concen: 19.146 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN064865.D
 Acq: 30 Nov 2020 12:04

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.5	31.0	93.0
227	65.5	32.0	96.0



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





#95

Naphthalene

Concen: 15.260 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064865.D

Acq: 30 Nov 2020 12:04

Instrument :

MSVOA_N

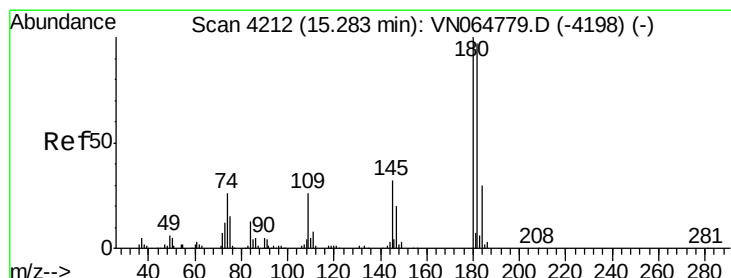
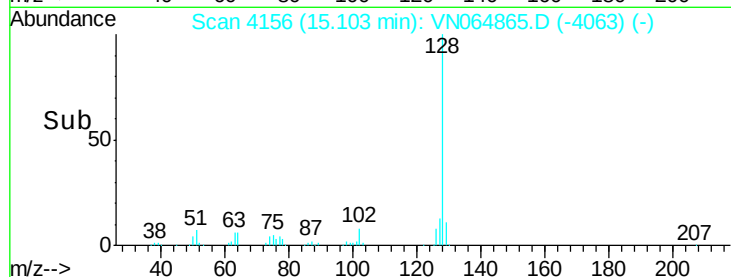
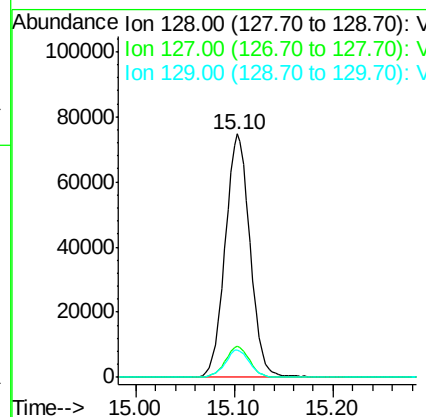
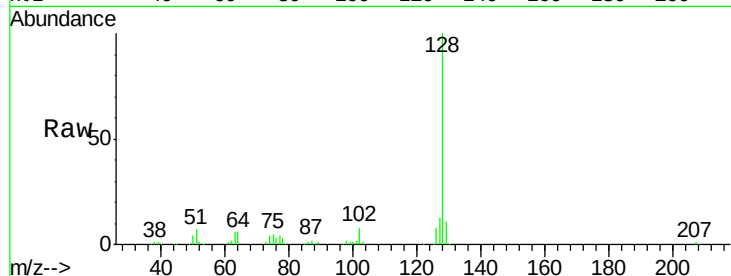
ClientSampleId :

VN1130MBS01

Tot Ion:	128	Resp:	132076
Ion Ratio	Lower	Upper	
128	100		
127	12.2	10.3	15.5
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
12/1/2020 9:35:02 AM



#96

1,2,3-Trichlorobenzene

Concen: 17.985 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN064865.D

Acq: 30 Nov 2020 12:04

Tgt Ion:	180	Resp:	46860
Ion Ratio	Lower	Upper	
180	100		
182	92.3	48.1	144.4
145	31.0	16.4	49.1

