

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112520\
 Data File : VN064847.D
 Acq On : 25 Nov 2020 11:00
 Operator : JC/MD
 Sample : VN1125WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1125WBS01

Manual Integrations
 APPROVED

SAM
 11/27/2020 1:37:15 PM

Quant Time: Nov 26 03:56:41 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	206326	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	322418	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	294756	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	140203	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	118533	49.42	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	98.84%
35) Dibromofluoromethane	7.55	113	105513	54.69	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	109.38%
50) Toluene-d8	10.06	98	401904	50.99	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	101.98%
62) 4-Bromofluorobenzene	12.37	95	141417	50.13	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	100.26%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	31423	17.573	ug/l	99
3) Chloromethane	2.04	50	39570	17.029	ug/l	99
4) Vinyl Chloride	2.17	62	42871	17.696	ug/l	96
5) Bromomethane	2.53	94	26523	16.687	ug/l	99
6) Chloroethane	2.68	64	27328	18.238	ug/l	96
7) Trichlorofluoromethane	2.99	101	61493	18.362	ug/l	100
8) Diethyl Ether	3.37	74	25003	18.915	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	37557	18.695	ug/l	98
10) Methyl Iodide	3.91	142	39361	15.105	ug/l	97
11) Tert butyl alcohol	4.75	59	31254	83.549	ug/l #	93
12) 1,1-Dichloroethene	3.69	96	35389	17.688	ug/l	97
13) Acrolein	3.57	56	18091	79.175	ug/l	97
14) Allyl chloride	4.27	41	57544	17.438	ug/l	98
15) Acrylonitrile	4.93	53	89299	86.412	ug/l	97
16) Acetone	3.78	43	68223	86.521	ug/l	96
17) Carbon Disulfide	4.01	76	92147	17.841	ug/l	99
18) Methyl Acetate	4.28	43	41107	17.339	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	118349	18.444	ug/l	99
20) Methylene Chloride	4.50	84	42930	17.375	ug/l	96
21) trans-1,2-Dichloroethene	4.99	96	39417	17.741	ug/l	98
22) Diisopropyl ether	5.91	45	126971	19.223	ug/l	98
23) Vinyl Acetate	5.85	43	493421	93.418	ug/l	100
24) 1,1-Dichloroethane	5.80	63	74097	18.771	ug/l	99
25) 2-Butanone	6.79	43	115502	90.362	ug/l	97
26) 2,2-Dichloropropane	6.77	77	62498	18.255	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	46386	18.553	ug/l	97
28) Bromochloromethane	7.15	49	35899	19.880	ug/l	98
29) Tetrahydrofuran	7.17	42	77517	87.854	ug/l	100
30) Chloroform	7.33	83	76430	18.776	ug/l	100
31) Cyclohexane	7.61	56	60156	17.994	ug/l	95
32) 1,1,1-Trichloroethane	7.53	97	65592	18.761	ug/l	99
36) 1,1-Dichloropropene	7.75	75	55045	18.419	ug/l	98
37) Ethyl Acetate	6.88	43	49234	17.103	ug/l	99
38) Carbon Tetrachloride	7.73	117	56753	18.251	ug/l	97

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 Misc : 5.00mL/MSVOA N/WATER
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Manual Integrations
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	58115	18.064	ug/l	96
40) Benzene	8.00	78	170966	18.669	ug/l	100
41) Methacrylonitrile	7.13	41	24255	18.260	ug/l	93
42) 1,2-Dichloroethane	8.09	62	56093	18.157	ug/l	99
43) Isopropyl Acetate	8.13	43	79293	17.118	ug/l	100
44) Trichloroethene	8.80	130	48369	17.901	ug/l	98
45) 1,2-Dichloropropane	9.08	63	45240	19.076	ug/l	95
46) Dibromomethane	9.17	93	30037	18.958	ug/l	95
47) Bromodichloromethane	9.37	83	58855	18.462	ug/l	99
48) Methyl methacrylate	9.17	41	38033	17.183	ug/l	96
49) 1,4-Dioxane	9.17	88	14625	349.592	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	248846	89.483	ug/l	99
52) Toluene	10.12	92	106632	18.907	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	63483	17.879	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	70709	18.579	ug/l	96
55) 1,1,2-Trichloroethane	10.53	97	43128	18.597	ug/l	97
56) Ethyl methacrylate	10.40	69	58430	18.258	ug/l	98
57) 1,3-Dichloropropane	10.68	76	71026	18.566	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	164895	93.670	ug/l	100
59) 2-Hexanone	10.72	43	181351	90.612	ug/l	98
60) Dibromochloromethane	10.87	129	47521	18.434	ug/l	99
61) 1,2-Dibromoethane	10.97	107	43271	18.365	ug/l	97
64) Tetrachloroethene	10.60	164	49634	17.308	ug/l	99
65) Chlorobenzene	11.41	112	116490	18.403	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	43225	18.582	ug/l	97
67) Ethyl Benzene	11.48	91	194738	18.416	ug/l	100
68) m/p-Xylenes	11.59	106	153924	38.447	ug/l	97
69) o-Xylene	11.92	106	72140	18.988	ug/l	100
70) Styrene	11.94	104	122917	19.165	ug/l	99
71) Bromoform	12.10	173	31390	16.895	ug/l #	97
73) Isopropylbenzene	12.22	105	194526	19.947	ug/l	99
74) N-amyl acetate	12.04	43	68494	17.847	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	55379	19.374	ug/l	96
76) 1,2,3-Trichloropropane	12.53	75	58044m	19.224	ug/l	
77) Bromobenzene	12.50	156	49961	19.003	ug/l	98
78) n-propylbenzene	12.56	91	215183	19.369	ug/l	98
79) 2-Chlorotoluene	12.65	91	131244	19.111	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	163074	20.118	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	18537	16.826	ug/l	90
82) 4-Chlorotoluene	12.75	91	136267	18.931	ug/l	100
83) tert-Butylbenzene	12.97	119	137280	20.205	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	163641	19.967	ug/l	100
85) sec-Butylbenzene	13.14	105	179123	19.856	ug/l	98
86) p-Isopropyltoluene	13.26	119	164510	20.030	ug/l	100
87) 1,3-Dichlorobenzene	13.25	146	86292	18.474	ug/l	99
88) 1,4-Dichlorobenzene	13.33	146	87782	17.770	ug/l	99
89) n-Butylbenzene	13.59	91	130912	18.150	ug/l	99
90) Hexachloroethane	13.85	117	27833	19.508	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	85477	18.636	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	10446	16.242	ug/l	97

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1125WBS01

Manual Integrations
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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)
93) 1,2,4-Trichlorobenzene	14.88	180	47228	16.646	ug/l	99
94) Hexachlorobutadiene	14.98	225	23919	18.954	ug/l	98
95) Naphthalene	15.10	128	137280	16.150	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	45393	17.759	ug/l	99

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

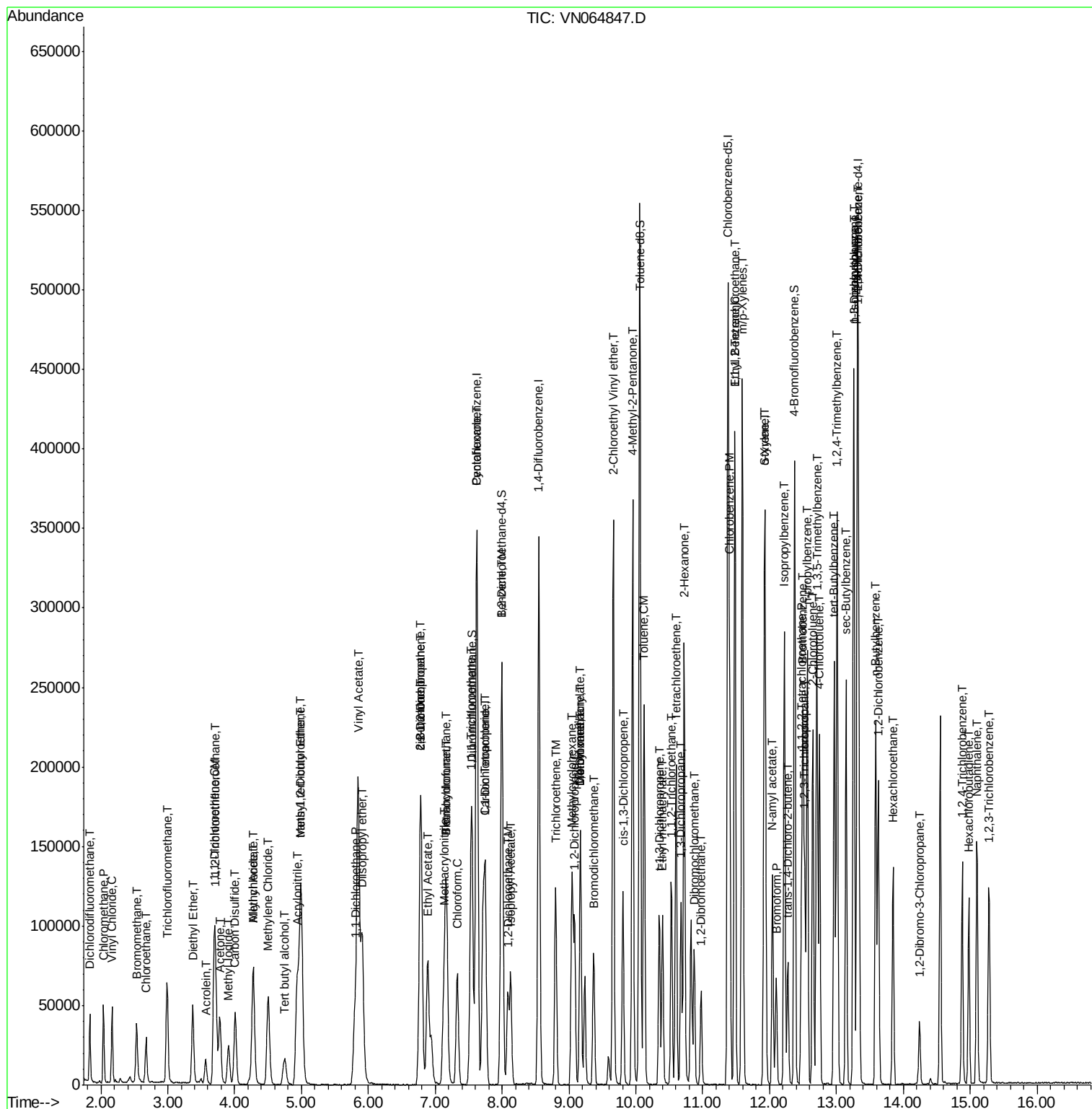
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN112520\
Data File : VN064847.D
Acq On : 25 Nov 2020 11:00
Operator : JC/MD
Sample : VN1125WBS01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 5 Sample Multiplier: 1

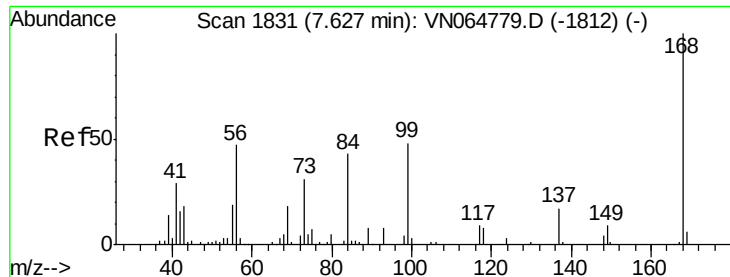
Instrument :
MSVOA_N
ClientSampleId :
VN1125WBS01

Manual Integrations
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064847.D

Acq: 25 Nov 2020 11:00

Instrument :

MSVOA_N

ClientSampleId :

VN1125WBS01

Tot Ion:168 Resp: 206326

Ion Ratio Lower Upper

168 100

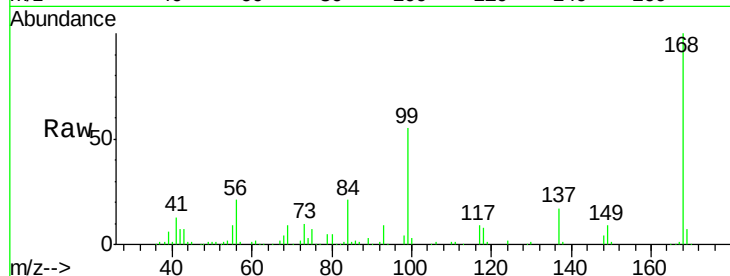
99 54.4 43.0 64.4

Manual Integrations

APPROVED

SAM

11/27/2020 1:37:15 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.62

80000

60000

40000

20000

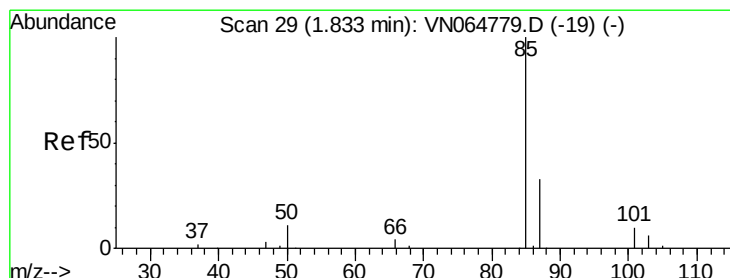
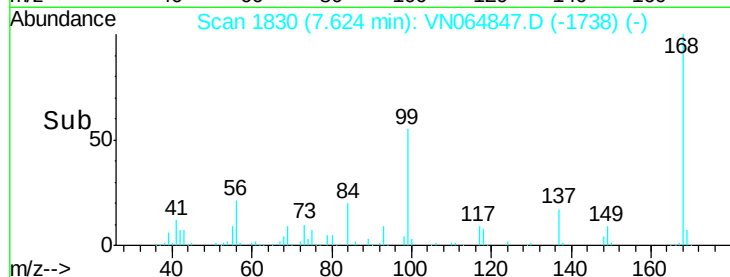
0

7.50

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 17.573 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064847.D

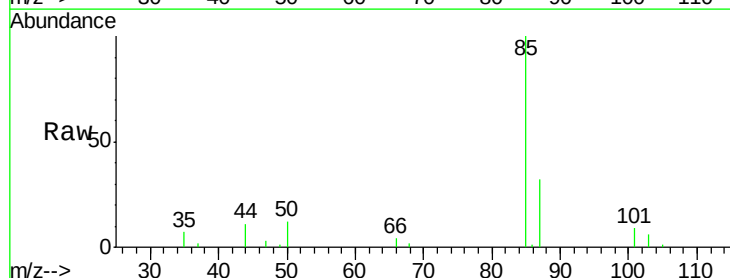
Acq: 25 Nov 2020 11:00

Tgt Ion: 85 Resp: 31423

Ion Ratio Lower Upper

85 100

87 32.4 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

25000

20000

15000

10000

5000

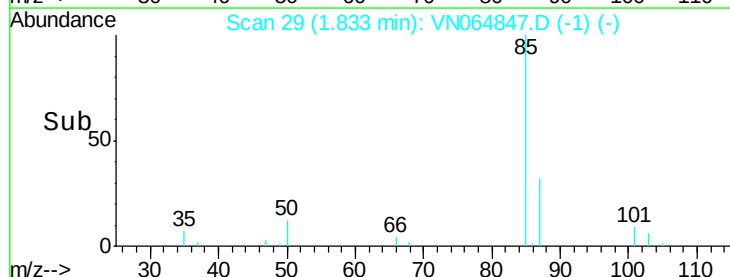
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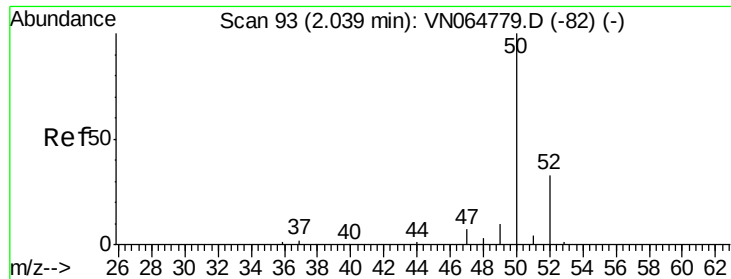
1.80

1.85

1.90

Time-->





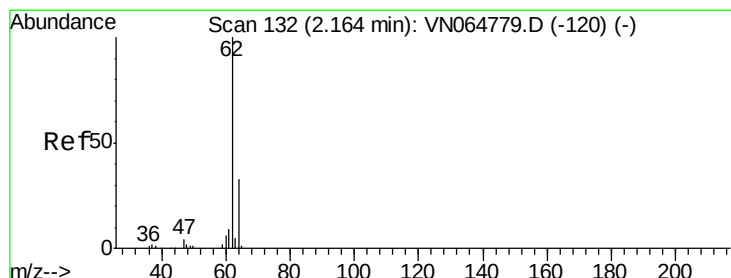
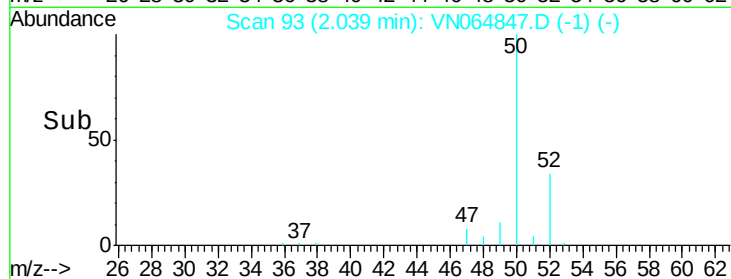
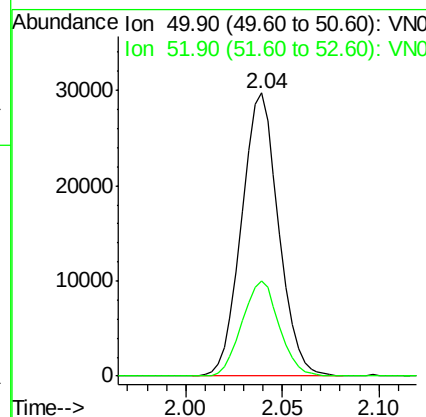
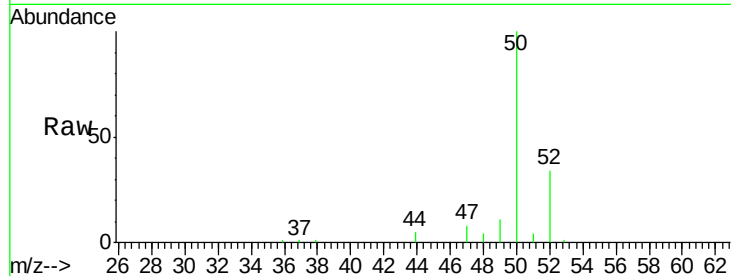
#3
Chloromethane
Concen: 17.029 ug/l
RT: 2.04 min Scan# 93
Delta R.T. 0.00 min
Lab File: VN064847.D
Acq: 25 Nov 2020 11:00

Instrument :
MSVOA_N
ClientSampleId :
VN1125WBS01

Tot Ion	Ratio	Lower	Upper
50	100		
52	33.8	26.6	39.8

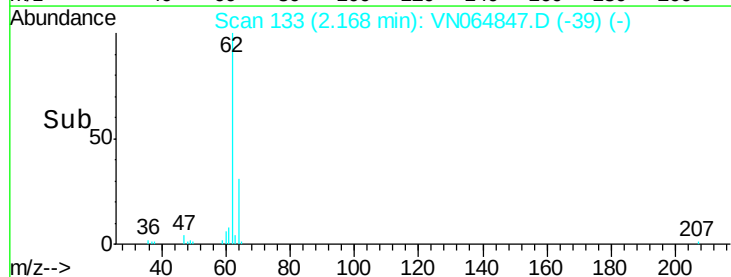
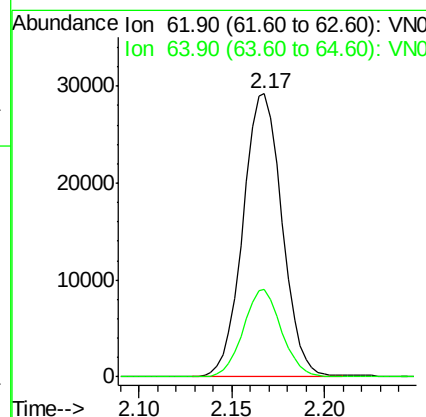
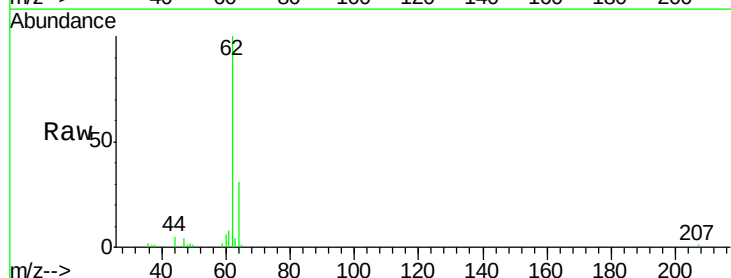
Manual Integrations
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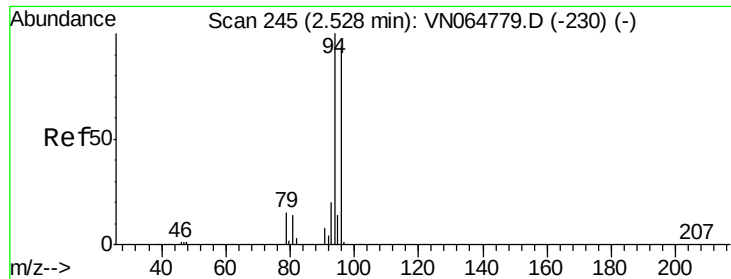
SAM
11/27/2020 1:37:15 PM



#4
Vinyl Chloride
Concen: 17.696 ug/l
RT: 2.17 min Scan# 133
Delta R.T. 0.00 min
Lab File: VN064847.D
Acq: 25 Nov 2020 11:00

Tgt Ion	Ratio	Lower	Upper
62	100		
64	30.8	26.5	39.7





#5

Bromomethane

Concen: 16.687 ug/l

RT: 2.53 min Scan# 247

Delta R.T. 0.01 min

Lab File: VN064847.D

Acq: 25 Nov 2020 11:00

Instrument :

MSVOA_N

ClientSampleId :

VN1125WBS01

Tot Ion: 94 Resp: 26523

Ion Ratio Lower Upper

94 100

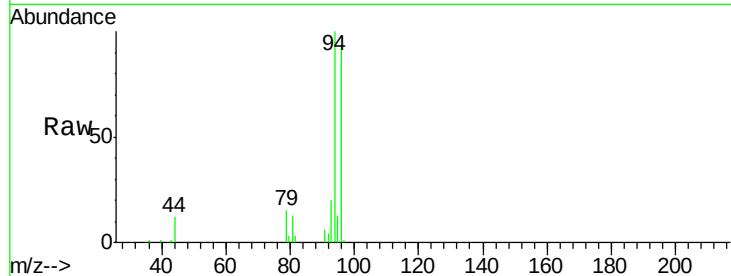
96 93.0 75.4 113.0

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.53

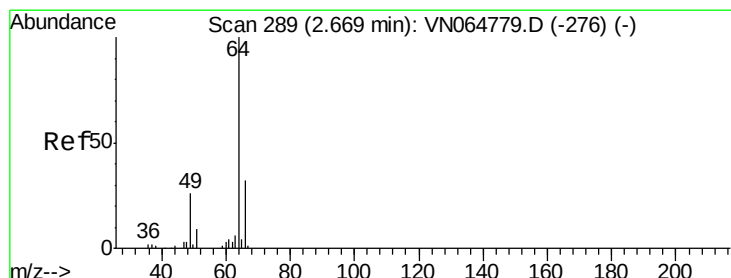
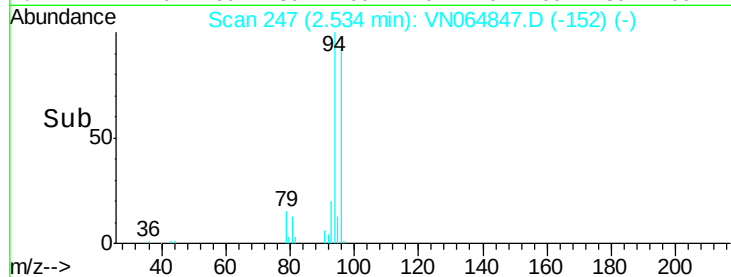
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 18.238 ug/l

RT: 2.68 min Scan# 291

Delta R.T. 0.01 min

Lab File: VN064847.D

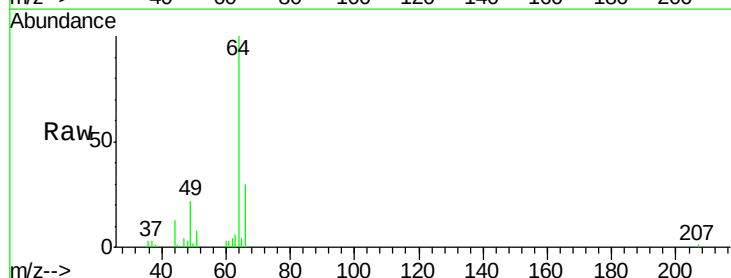
Acq: 25 Nov 2020 11:00

Tgt Ion: 64 Resp: 27328

Ion Ratio Lower Upper

64 100

66 29.8 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.68

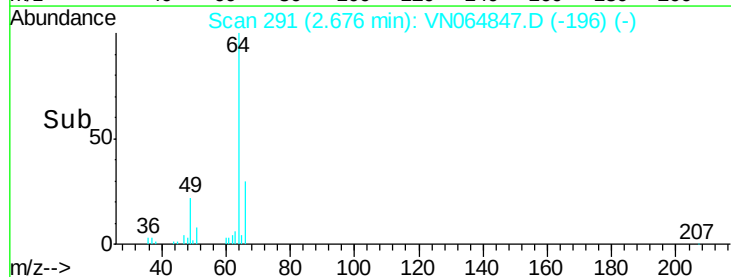
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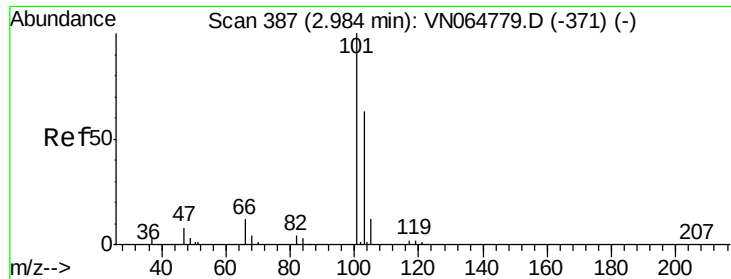
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5000

0

Time-->





#7

Trichlorofluoromethane

Concen: 18.362 ug/l

RT: 2.99 min Scan# 389

Delta R.T. 0.01 min

Lab File: VN064847.D

Acq: 25 Nov 2020 11:00

Instrument :

MSVOA_N

ClientSampleId :

VN1125WBS01

Tot Ion:101 Resp: 61493

Ion Ratio Lower Upper

101 100

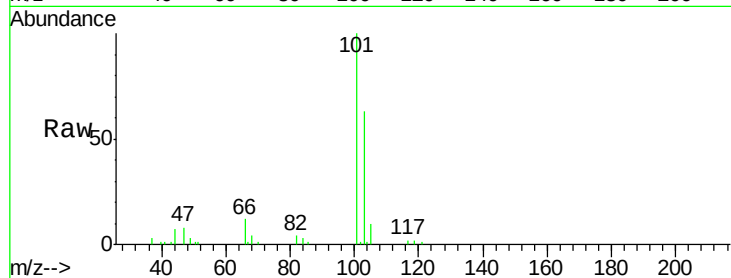
103 63.5 50.5 75.7

Manual Integrations

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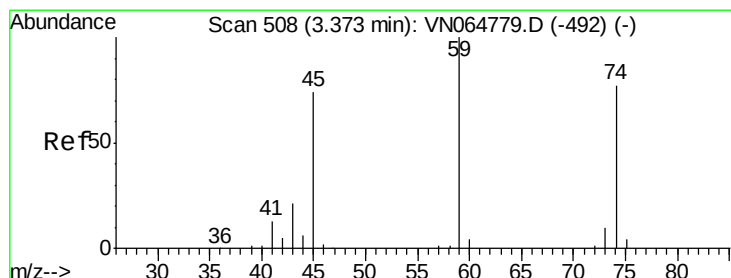
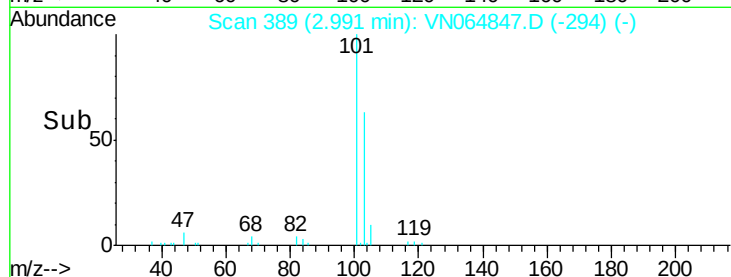
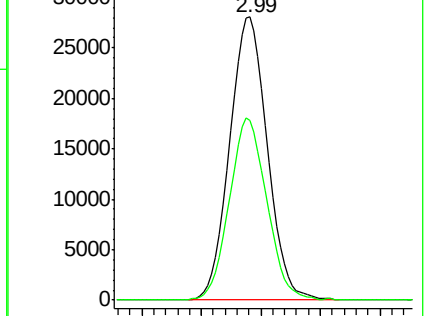
SAM

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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 18.915 ug/l

RT: 3.37 min Scan# 508

Delta R.T. 0.00 min

Lab File: VN064847.D

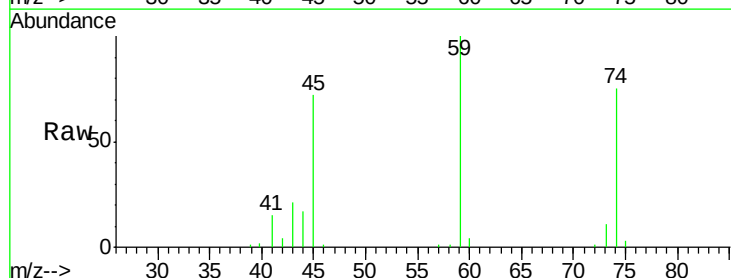
Acq: 25 Nov 2020 11:00

Tgt Ion: 74 Resp: 25003

Ion Ratio Lower Upper

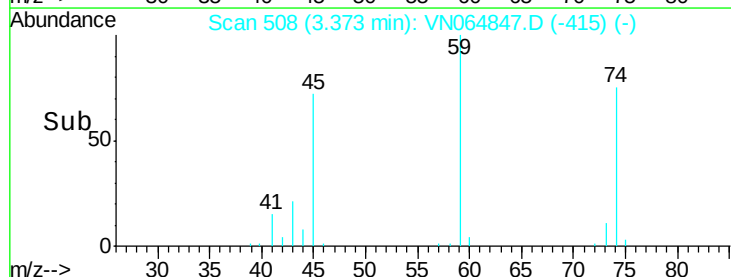
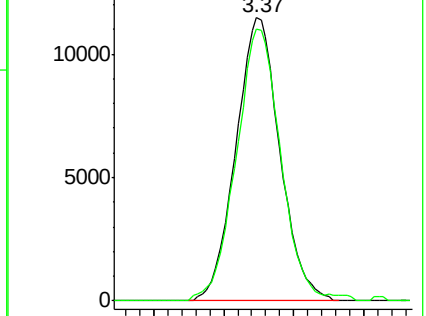
74 100

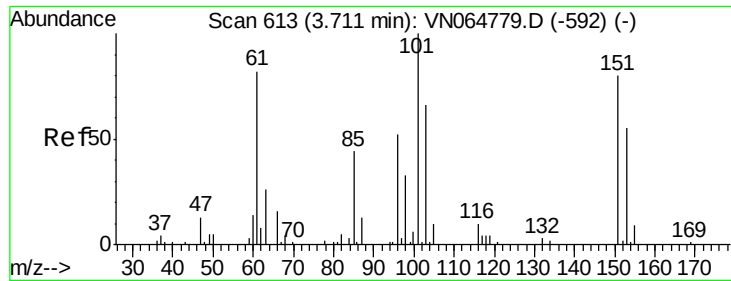
45 96.7 48.9 146.8



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.695 ug/l

RT: 3.72 min Scan# 615

Delta R.T. 0.01 min

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Instrument :

MSVOA_N

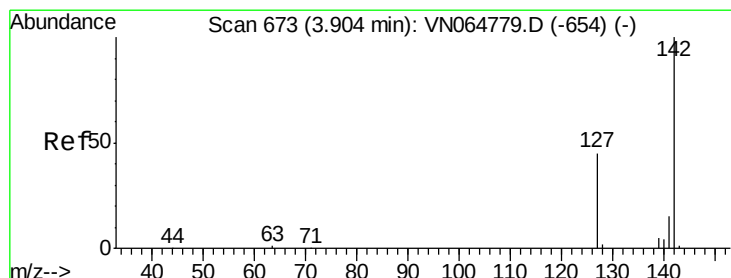
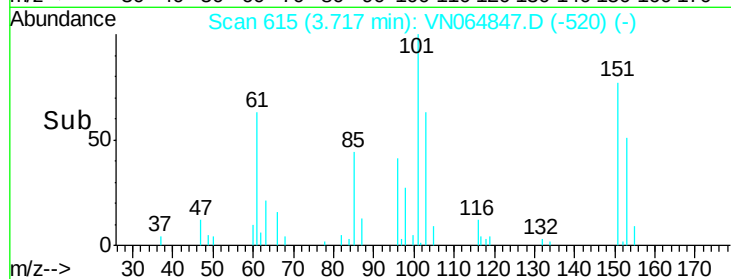
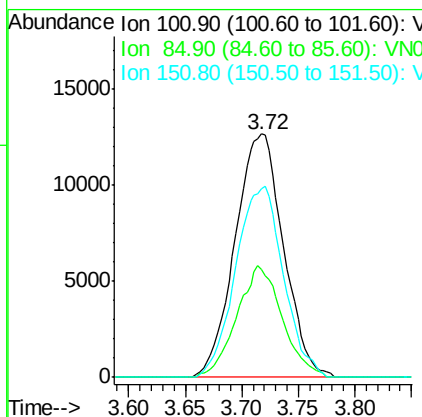
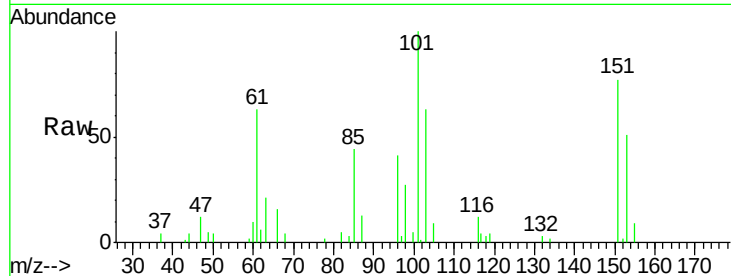
ClientSampleId :

VN1125WBS01

Tot Ion:	101	Resp:	37557
Ion Ratio	Lower	Upper	
101	100		
85	43.1	34.4	51.6
151	77.5	64.0	96.0

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#10

Methyl Iodide

Concen: 15.105 ug/l

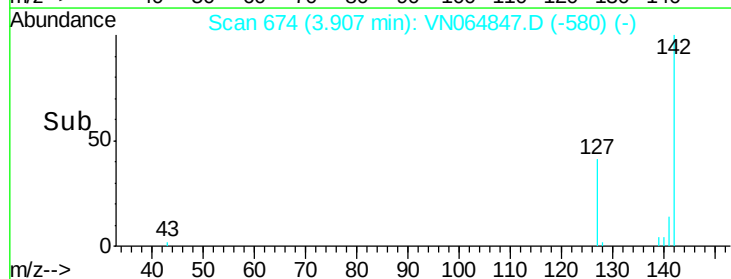
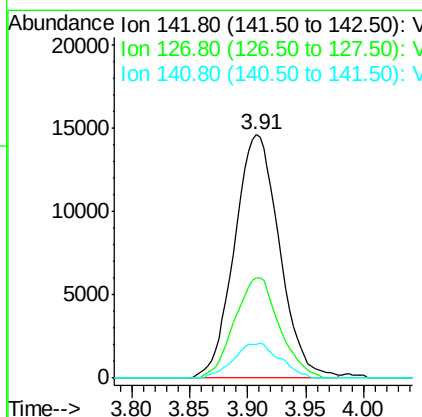
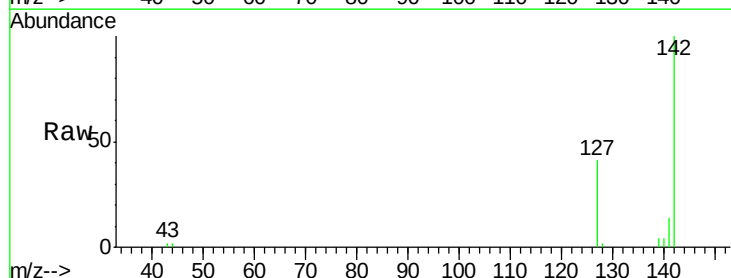
RT: 3.91 min Scan# 674

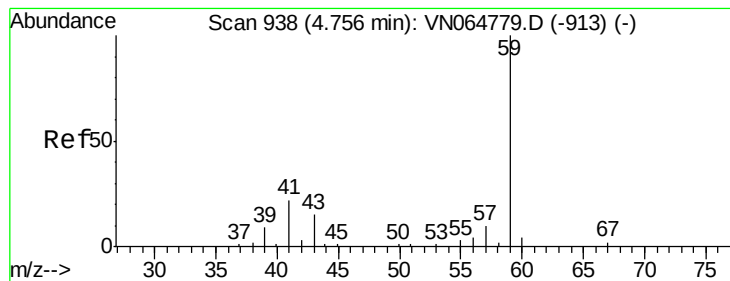
Delta R.T. 0.00 min

Lab File: VN064847.D

Acq: 25 Nov 2020 11:00

Tgt Ion:	142	Resp:	39361
Ion Ratio	Lower	Upper	
142	100		
127	41.0	35.0	52.6
141	14.6	11.8	17.6





#11

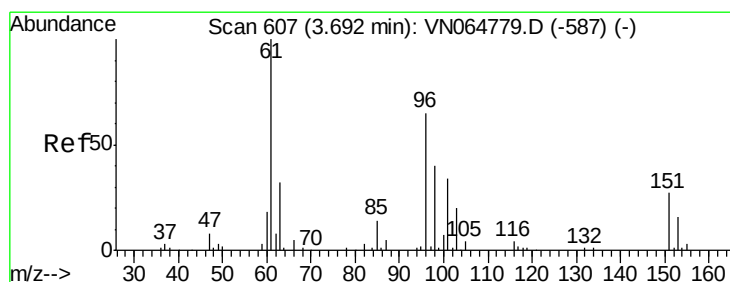
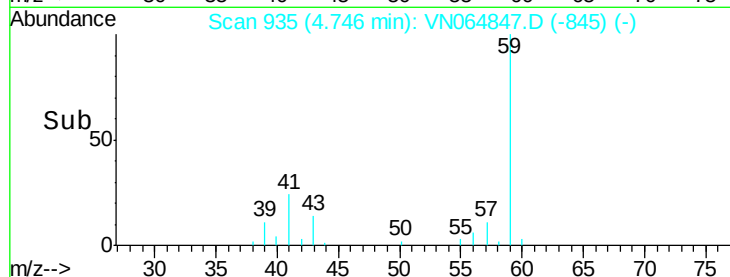
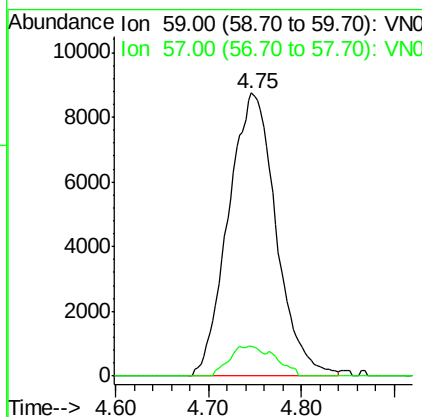
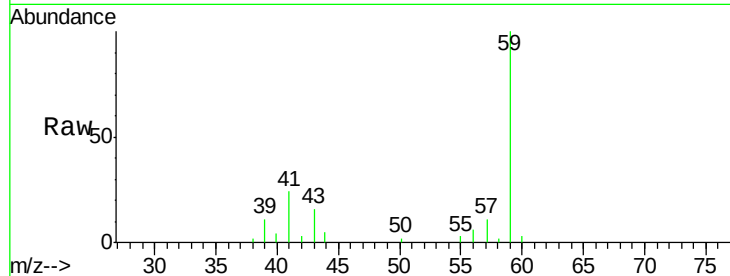
Tert butyl alcohol
 Concen: 83.549 ug/l
 RT: 4.75 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VN064847.D
 Acq: 25 Nov 2020 11:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1125WBS01

Tot Ion	Ion	Ratio	Lower	Upper
59	59	100		
57	57	7.5	7.9	11.9#

Manual Integrations
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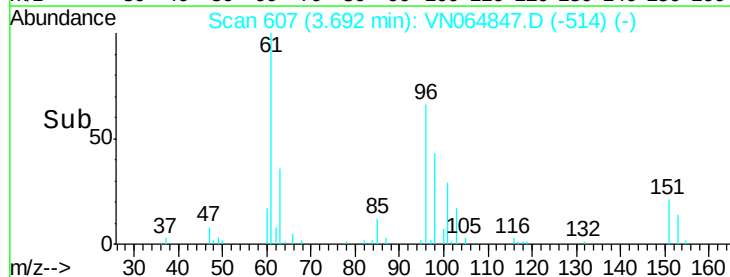
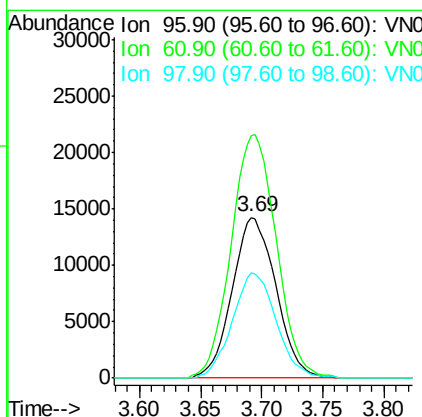
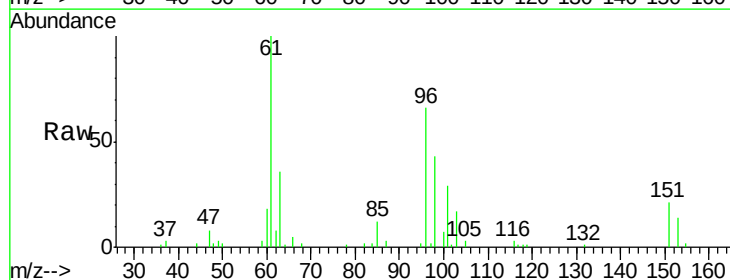
SAM
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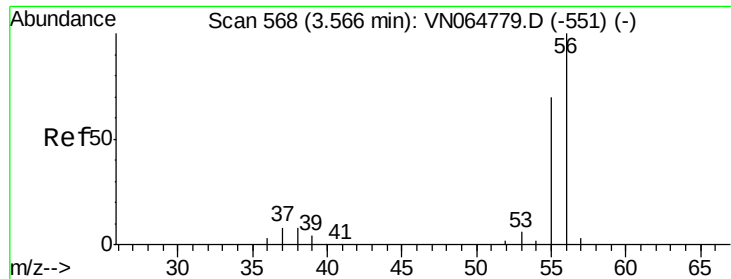


#12

1,1-Dichloroethene
 Concen: 17.688 ug/l
 RT: 3.69 min Scan# 607
 Delta R.T. 0.00 min
 Lab File: VN064847.D
 Acq: 25 Nov 2020 11:00

Tgt Ion	Ion	Ratio	Lower	Upper
96	96	100		
61	61	150.5	123.4	185.2
98	98	65.3	49.8	74.8





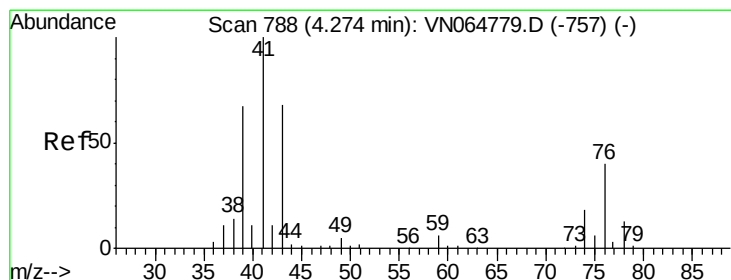
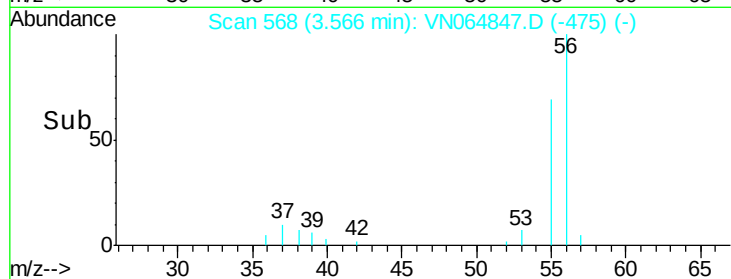
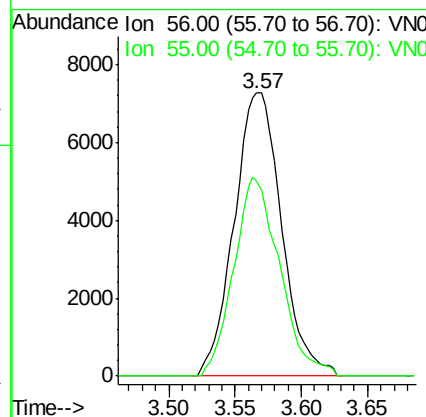
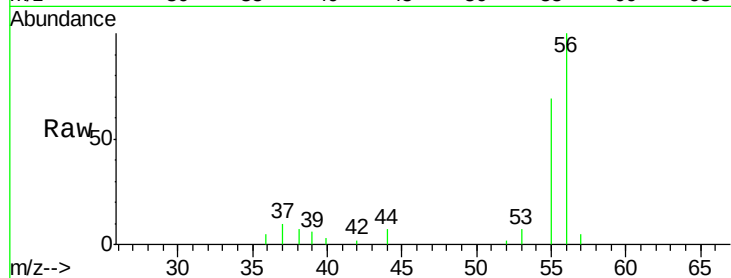
#13
 Acrolein
 Concen: 79.175 ug/l
 RT: 3.57 min Scan# 568
 Delta R.T. 0.00 min
 Lab File: VN064847.D
 Acq: 25 Nov 2020 11:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1125WBS01

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	68.0	56.5	84.7	

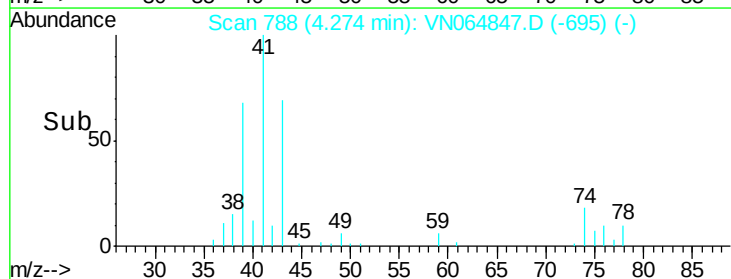
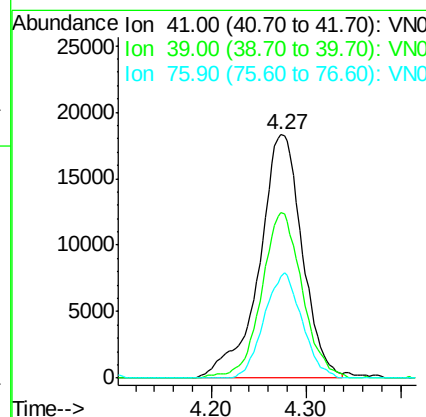
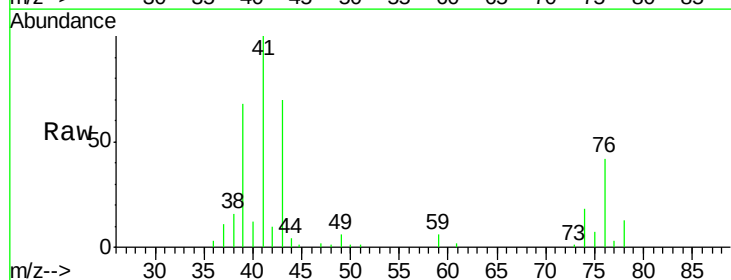
Manual Integrations
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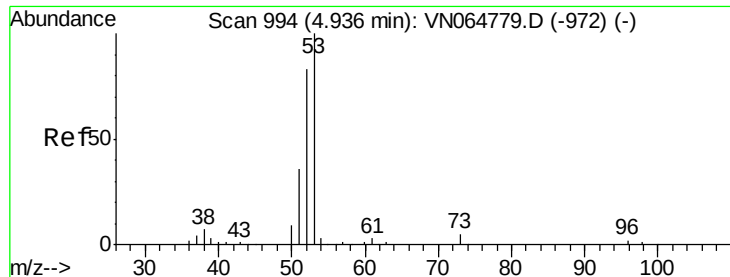
SAM
 11/27/2020 1:37:15 PM



#14
 Allyl chloride
 Concen: 17.438 ug/l
 RT: 4.27 min Scan# 788
 Delta R.T. 0.00 min
 Lab File: VN064847.D
 Acq: 25 Nov 2020 11:00

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	64.2	50.9	76.3	
76	38.0	29.0	43.4	





#15

Acrylonitrile

Concen: 86.412 ug/l

RT: 4.93 min Scan# 993

Delta R.T. -0.00 min

Lab File: VN064847.D

Acq: 25 Nov 2020 11:00

Instrument :

MSVOA_N

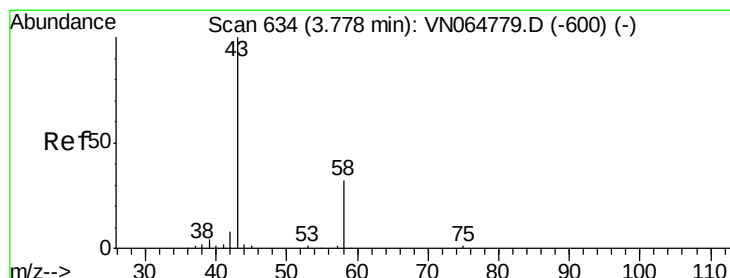
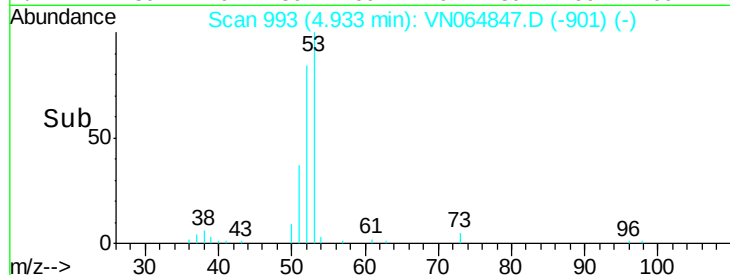
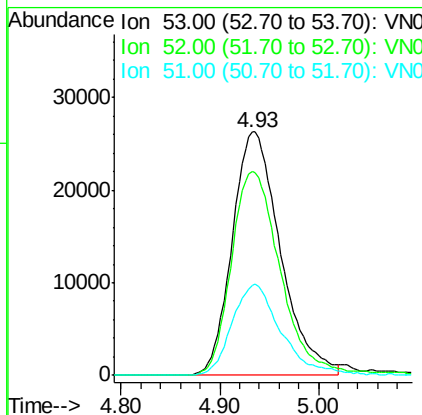
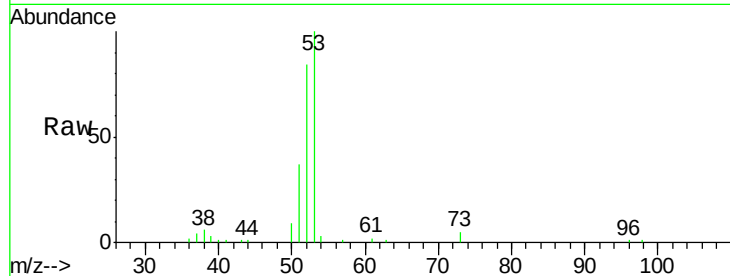
ClientSampleId :

VN1125WBS01

Tot Ion:	53	Resp:	89299
Ion	Ratio	Lower	Upper
53	100		
52	84.4	65.5	98.3
51	38.0	28.6	43.0

Manual Integrations
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#16

Acetone

Concen: 86.521 ug/l

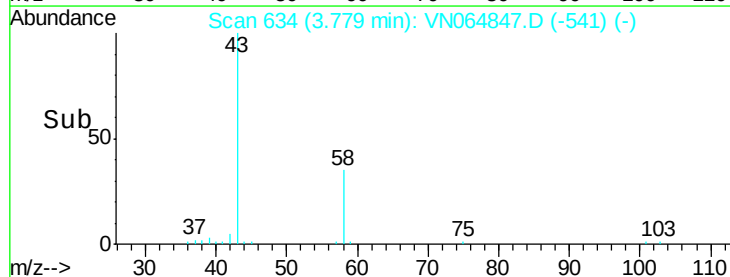
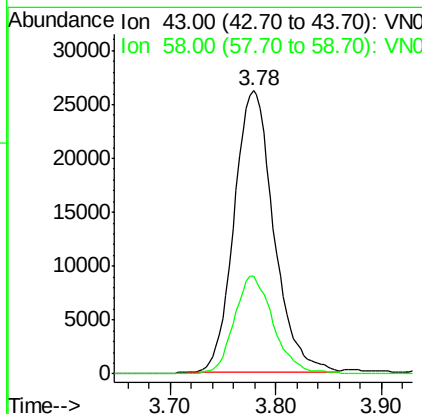
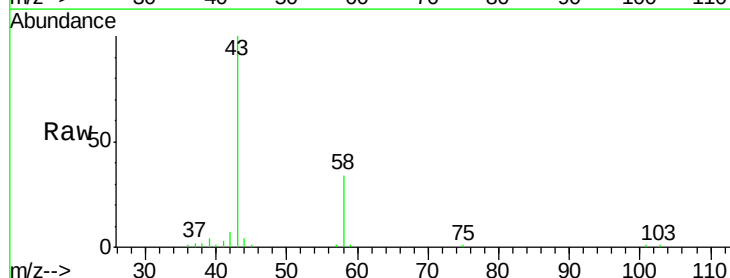
RT: 3.78 min Scan# 634

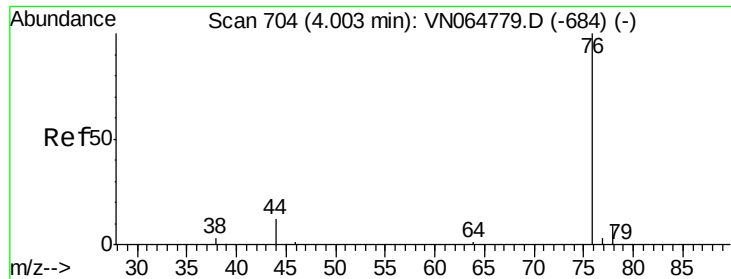
Delta R.T. 0.00 min

Lab File: VN064847.D

Acq: 25 Nov 2020 11:00

Tgt Ion:	43	Resp:	68223
Ion	Ratio	Lower	Upper
43	100		
58	34.6	25.7	38.5





#17

Carbon Disulfide

Concen: 17.841 ug/l

RT: 4.01 min Scan# 705

Delta R.T. 0.00 min

Lab File: VN064847.D

Acq: 25 Nov 2020 11:00

Tot Ion: 76 Resp: 92147

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.0

Instrument :

MSVOA_N

ClientSampleId :

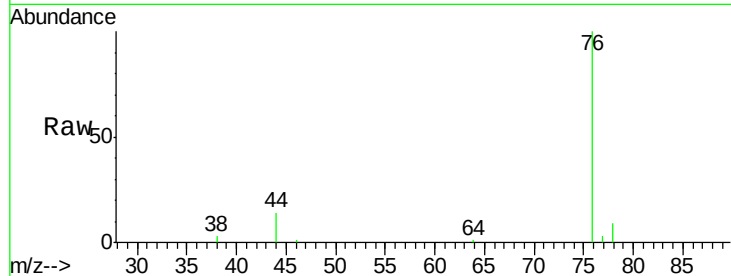
VN1125WBS01

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC

4.01

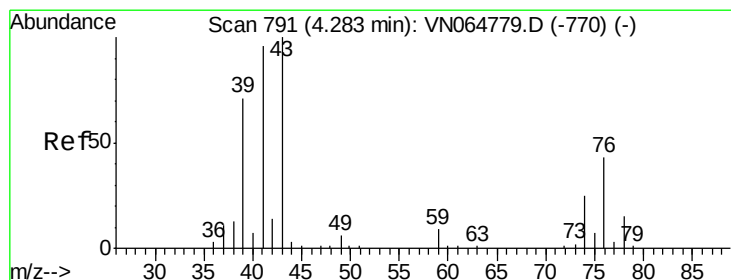
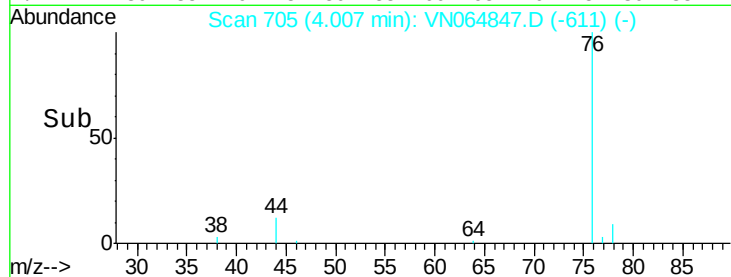
30000

20000

10000

0

Time-->



#18

Methyl Acetate

Concen: 17.339 ug/l

RT: 4.28 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN064847.D

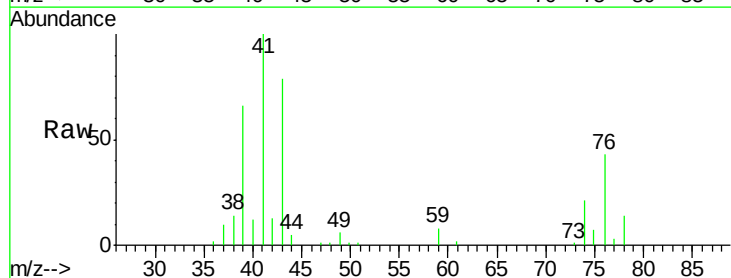
Acq: 25 Nov 2020 11:00

Tgt Ion: 43 Resp: 41107

Ion Ratio Lower Upper

43 100

74 24.5 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC

4.28

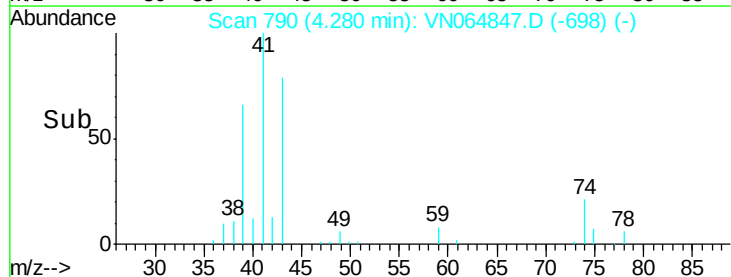
15000

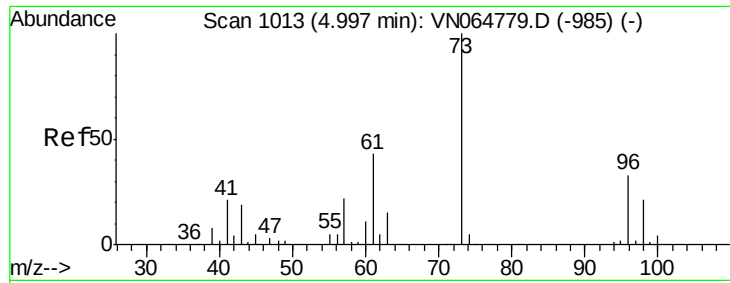
10000

5000

0

Time-->





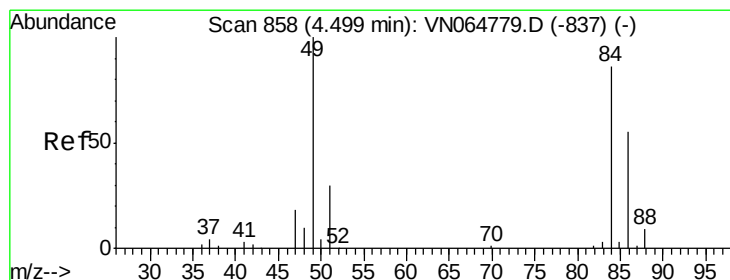
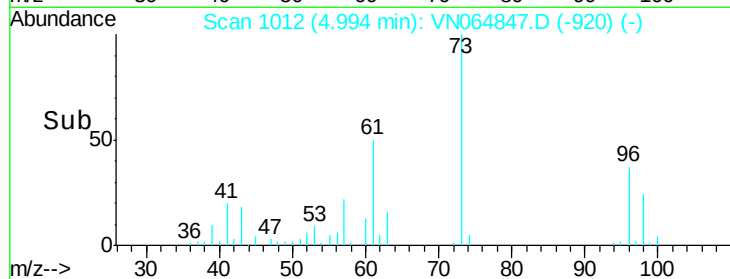
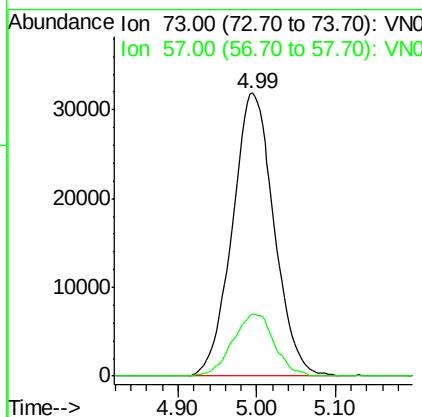
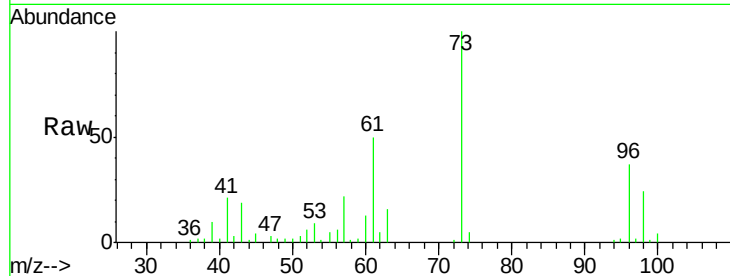
#19
Methyl tert-butyl Ether
Concen: 18.444 ug/l
RT: 4.99 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VN064847.D
Acq: 25 Nov 2020 11:00

Instrument :
MSVOA_N
ClientSampleId :
VN1125WBS01

Tot Ion: 73 Resp: 118349
Ion Ratio Lower Upper
73 100
57 22.0 17.4 26.0

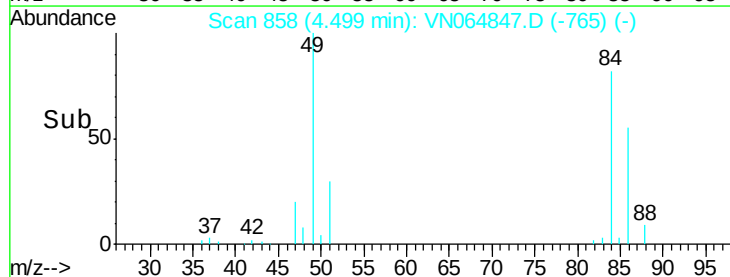
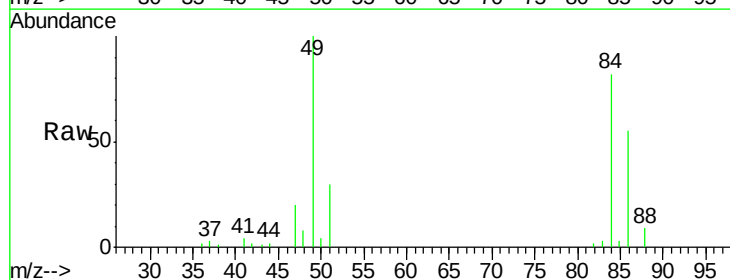
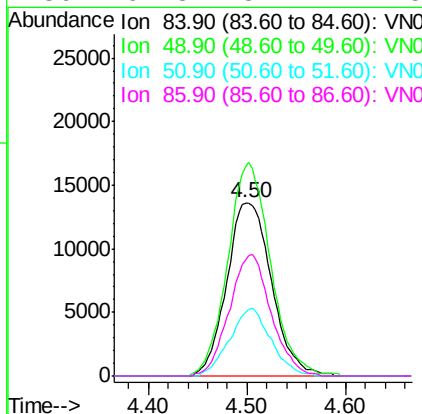
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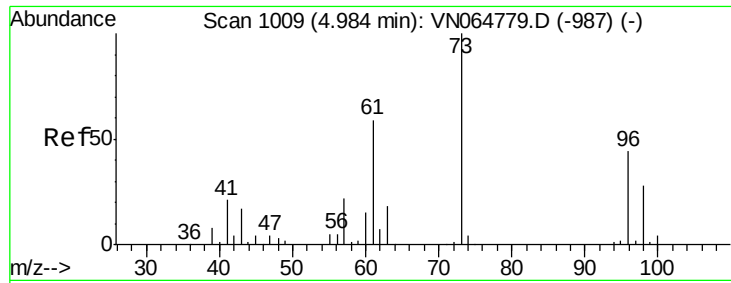
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#20
Methylene Chloride
Concen: 17.375 ug/l
RT: 4.50 min Scan# 858
Delta R.T. 0.00 min
Lab File: VN064847.D
Acq: 25 Nov 2020 11:00

Tgt Ion: 84 Resp: 42930
Ion Ratio Lower Upper
84 100
49 121.4 93.4 140.0
51 37.0 28.2 42.4
86 67.3 51.7 77.5





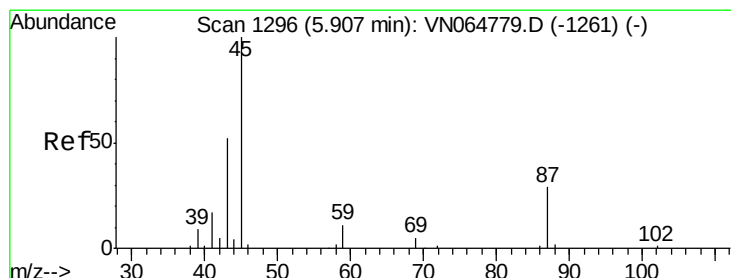
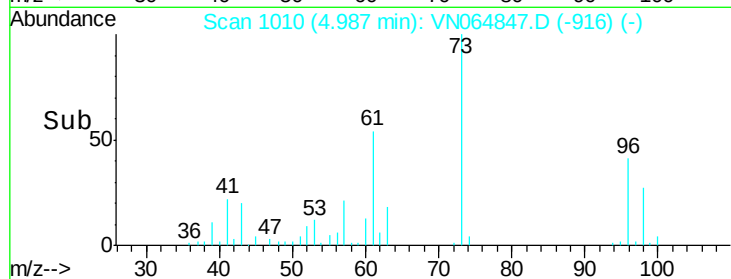
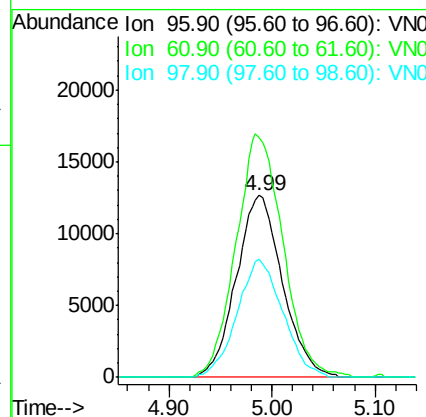
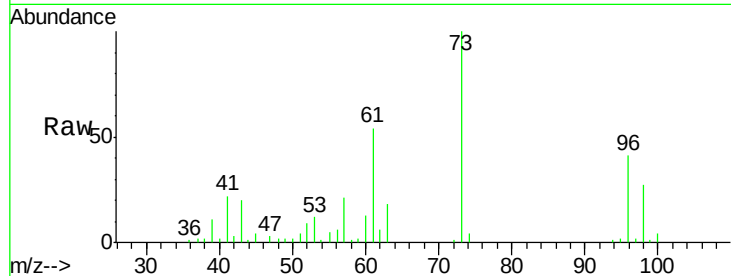
#21
trans-1,2-Dichloroethene
Concen: 17.741 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN064847.D
Acq: 25 Nov 2020 11:00

Instrument :
MSVOA_N
ClientSampleId :
VN1125WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.5	108.4	162.6
98	64.6	51.3	76.9

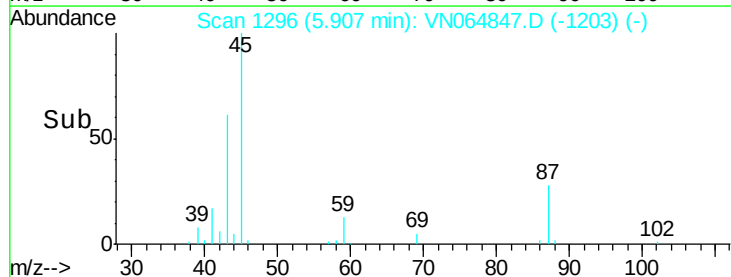
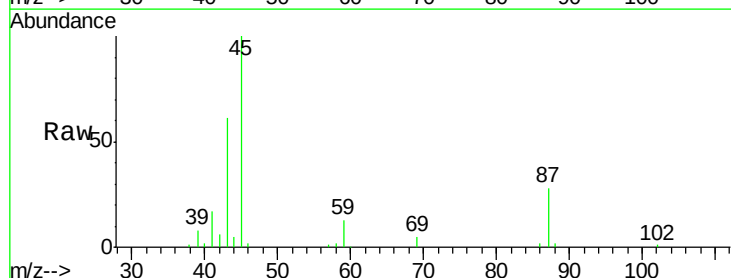
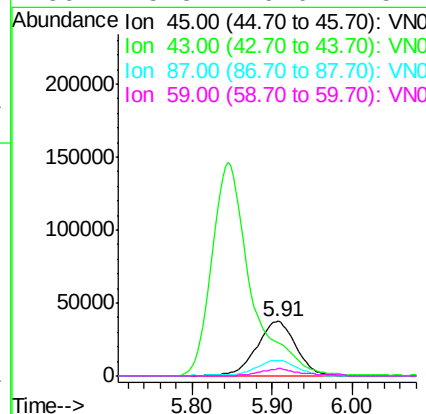
Manual Integrations
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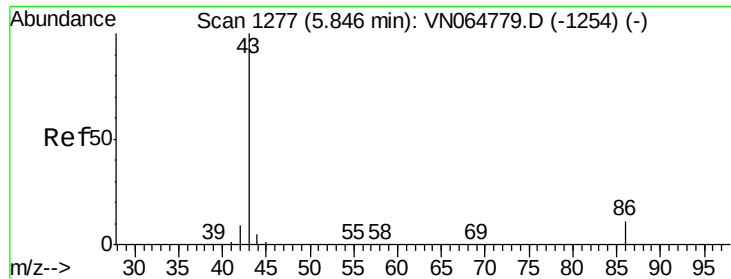
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#22
Diisopropyl ether
Concen: 19.223 ug/l
RT: 5.91 min Scan# 1296
Delta R.T. 0.00 min
Lab File: VN064847.D
Acq: 25 Nov 2020 11:00

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.5	46.2	69.2
87	27.9	24.1	36.1
59	13.3	9.0	13.4





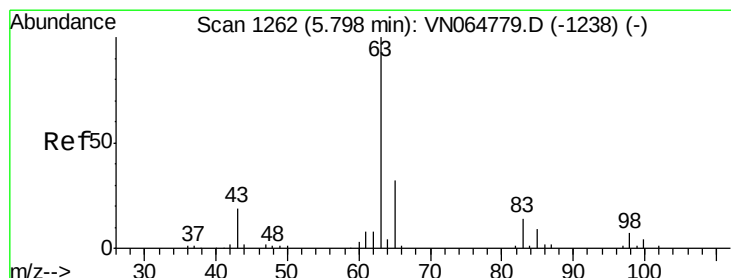
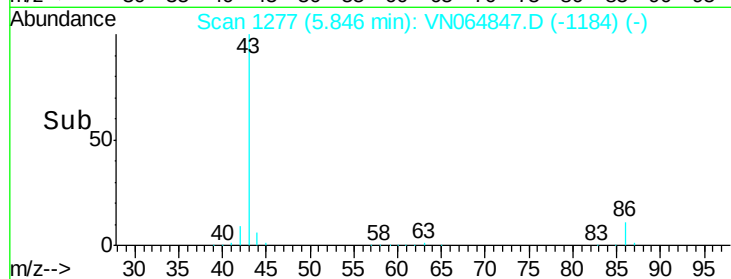
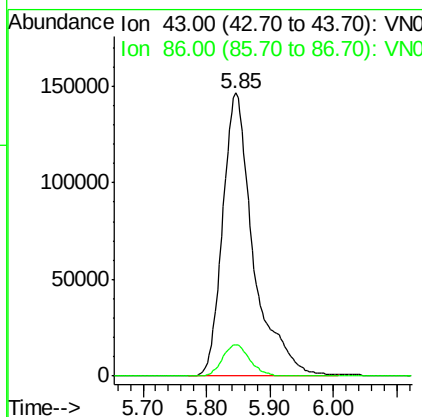
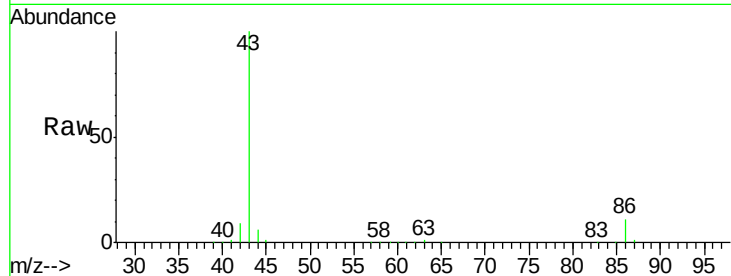
#23
 Vinyl Acetate
 Concen: 93.418 ug/l
 RT: 5.85 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VN064847.D
 Acq: 25 Nov 2020 11:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1125WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
86	11.2	8.9	13.3

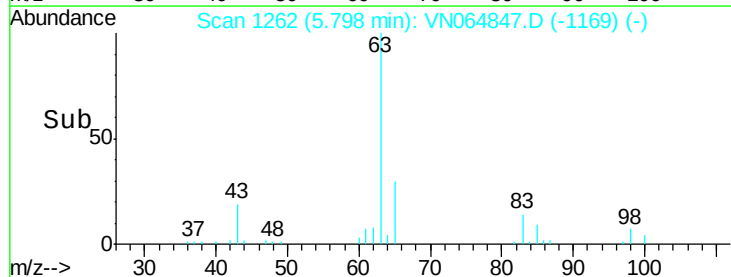
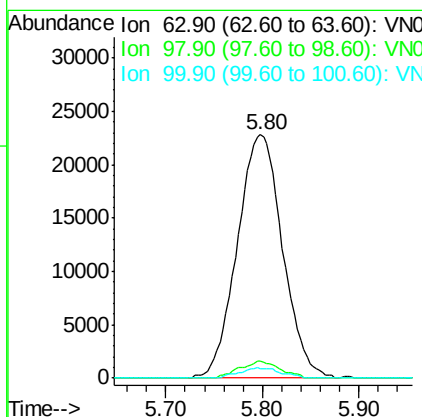
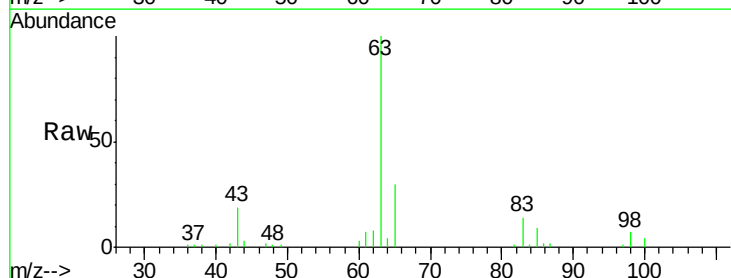
Manual Integrations
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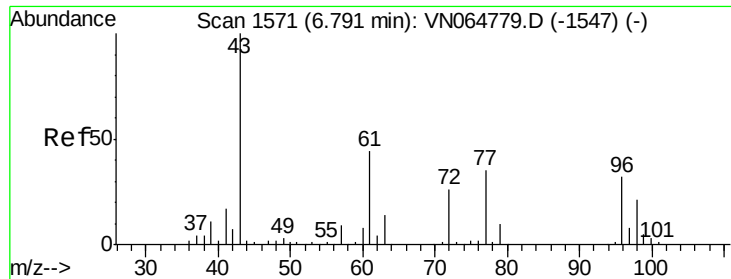
SAM
 11/27/2020 1:37:15 PM



#24
 1,1-Dichloroethane
 Concen: 18.771 ug/l
 RT: 5.80 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VN064847.D
 Acq: 25 Nov 2020 11:00

Tgt Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.5	10.5
100	4.0	2.3	6.8





#25

2-Butanone

Concen: 90.362 ug/l

RT: 6.79 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN064847.D

Acq: 25 Nov 2020 11:00

Instrument :

MSVOA_N

ClientSampleId :

VN1125WBS01

Tot Ion: 43 Resp: 115502

Ion Ratio Lower Upper

43 100

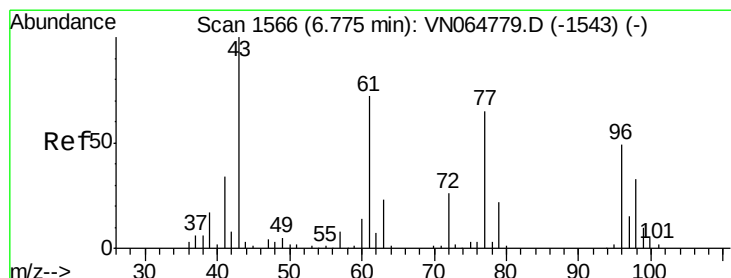
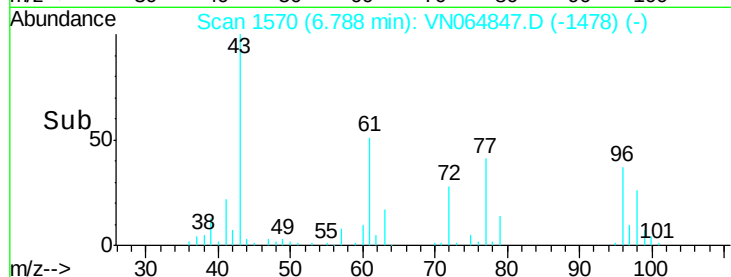
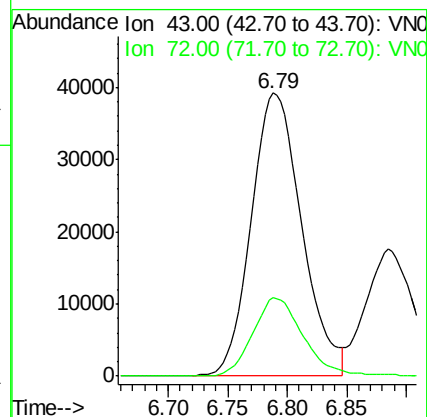
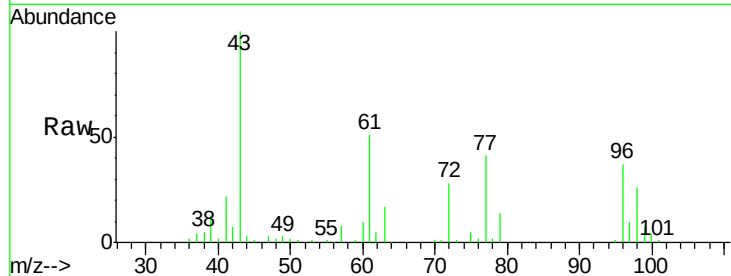
72 27.6 21.0 31.6

Manual Integrations

APPROVED

SAM

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#26

2,2-Dichloropropane

Concen: 18.255 ug/l

RT: 6.77 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN064847.D

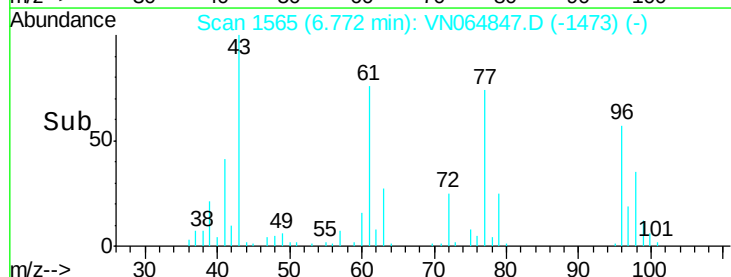
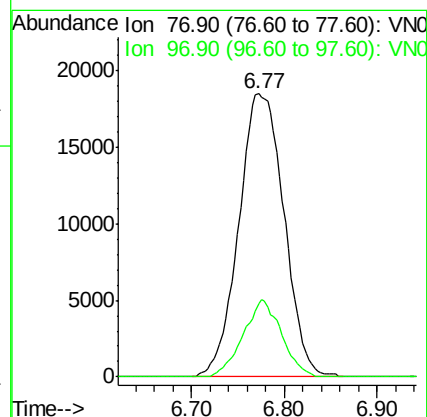
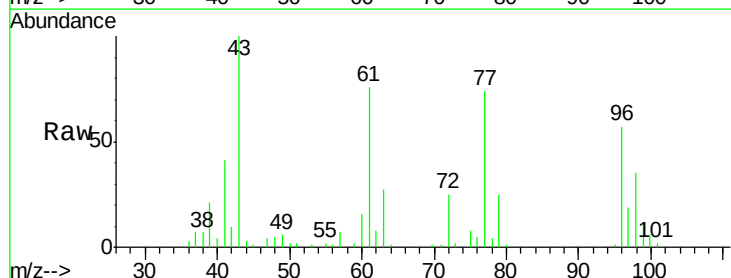
Acq: 25 Nov 2020 11:00

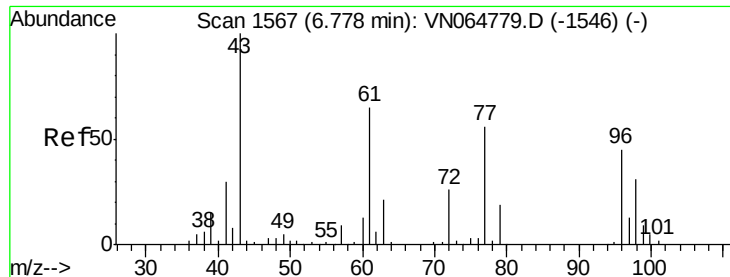
Tgt Ion: 77 Resp: 62498

Ion Ratio Lower Upper

77 100

97 23.1 11.7 35.0





#27

cis-1,2-Dichloroethene

Concen: 18.553 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN064847.D

Acq: 25 Nov 2020 11:00

Instrument :

MSVOA_N

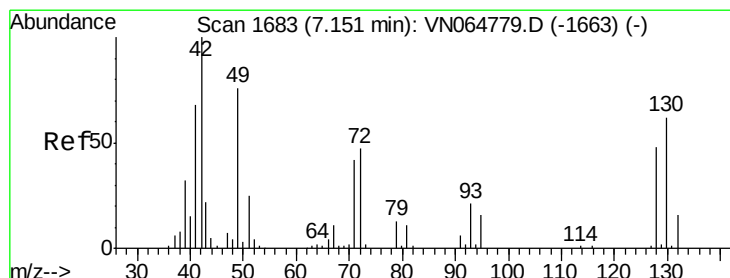
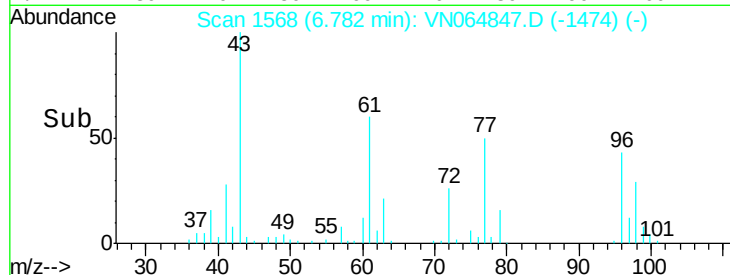
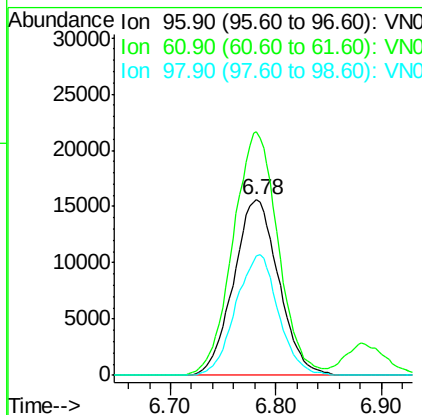
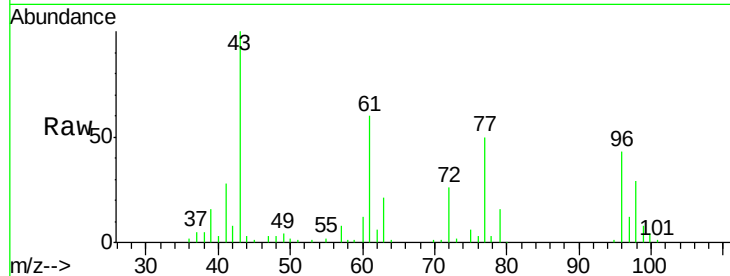
ClientSampleId :

VN1125WBS01

Tot Ion:	96	Resp:	46386
Ion	Ratio	Lower	Upper
96	100		
61	138.6	0.0	285.8
98	64.9	0.0	130.6

Manual Integrations
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SAM
11/27/2020 1:37:15 PM



#28

Bromochloromethane

Concen: 19.880 ug/l

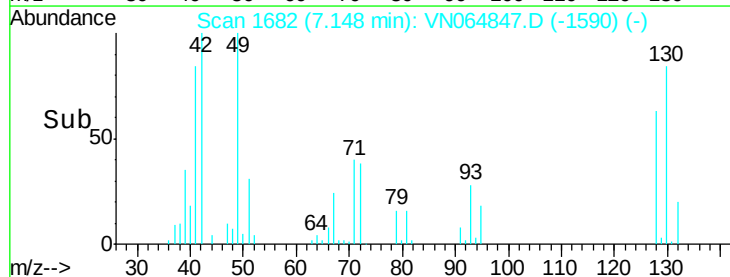
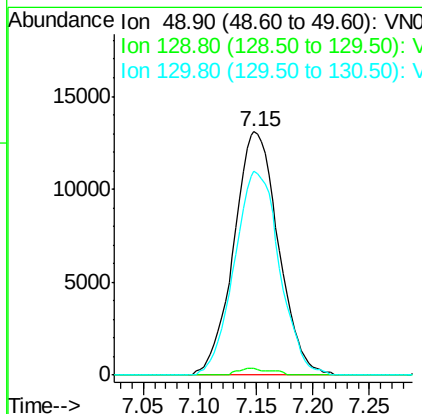
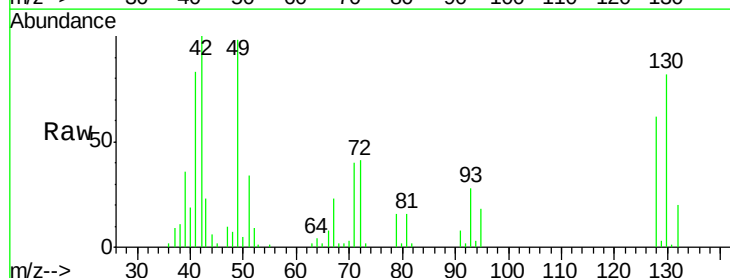
RT: 7.15 min Scan# 1682

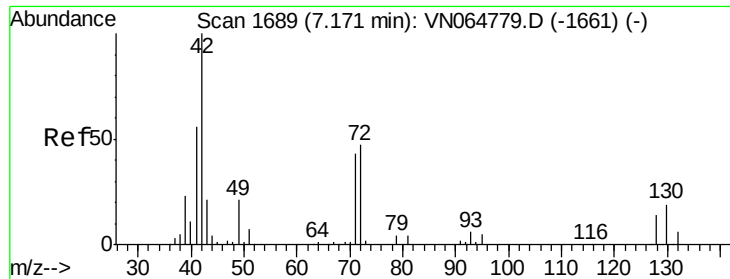
Delta R.T. -0.00 min

Lab File: VN064847.D

Acq: 25 Nov 2020 11:00

Tgt Ion:	49	Resp:	35899
Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.8
130	84.8	66.2	99.2





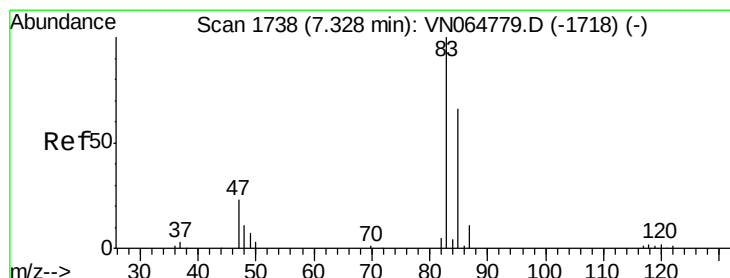
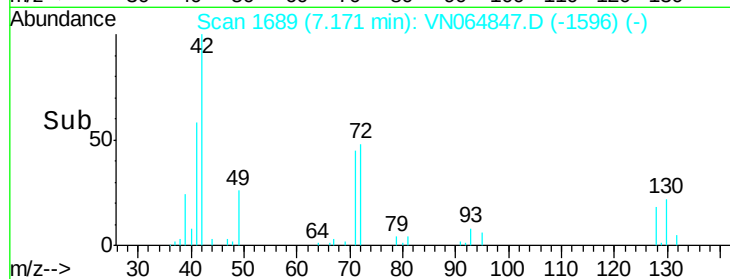
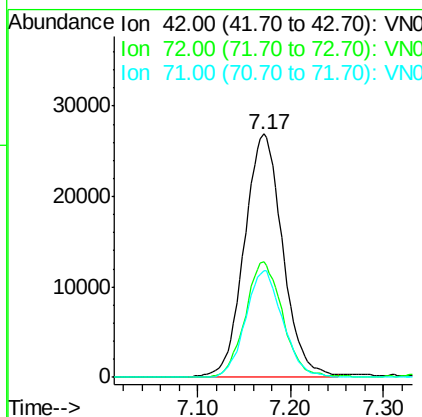
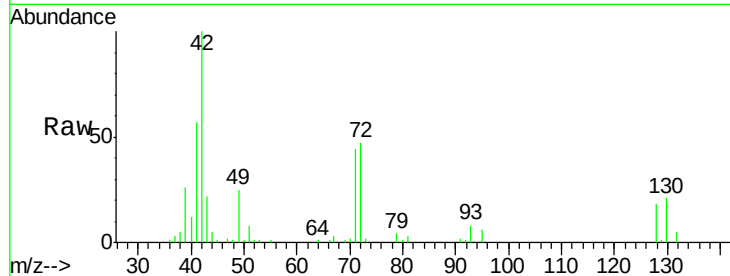
#29
Tetrahydrofuran
Concen: 87.854 ug/l
RT: 7.17 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VN064847.D
Acq: 25 Nov 2020 11:00

Instrument :
MSVOA_N
ClientSampleId :
VN1125WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.8	36.6	54.8
71	42.2	33.6	50.4

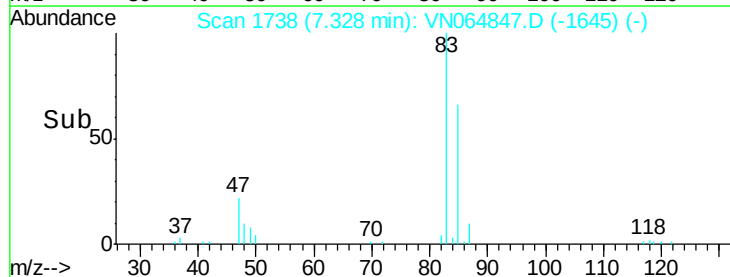
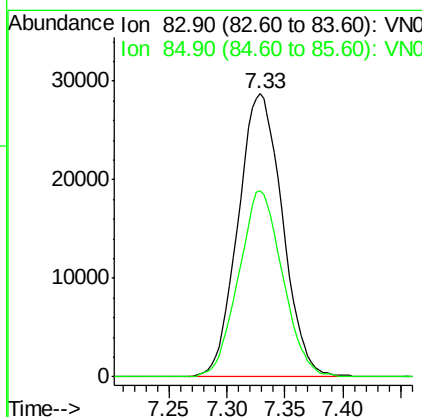
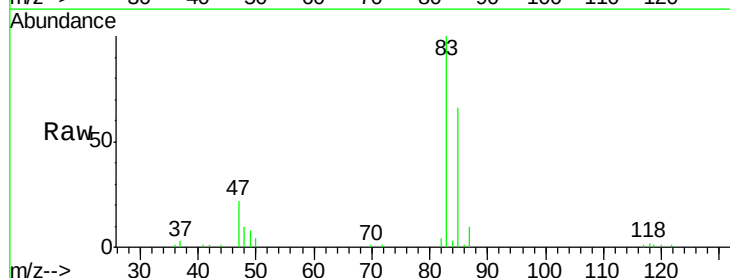
Manual Integrations
APPROVED

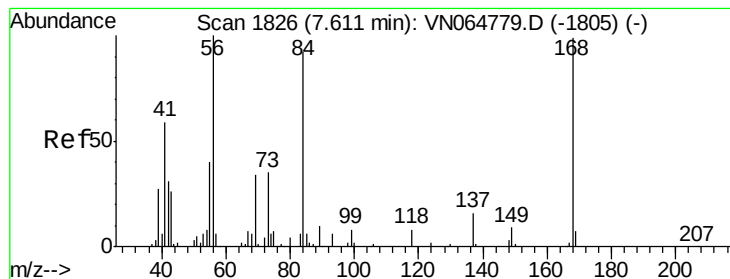
SAM
11/27/2020 1:37:15 PM



#30
Chloroform
Concen: 18.776 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN064847.D
Acq: 25 Nov 2020 11:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	52.6	78.8





#31

Cyclohexane

Concen: 17.994 ug/l

RT: 7.61 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN064847.D

Acq: 25 Nov 2020 11:00

Instrument :

MSVOA_N

ClientSampleId :

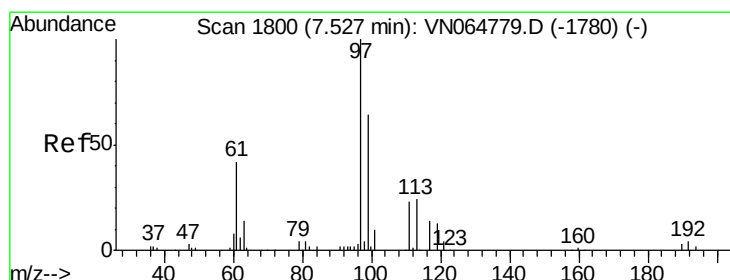
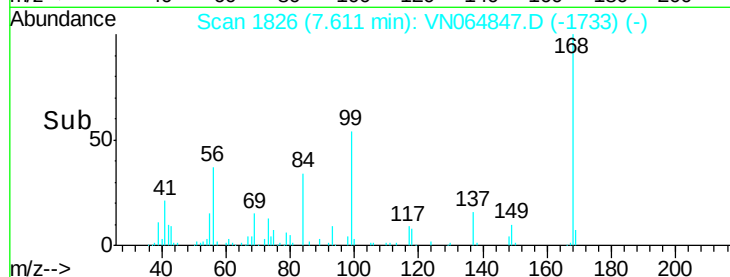
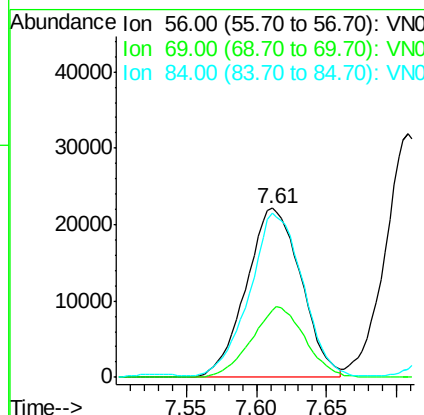
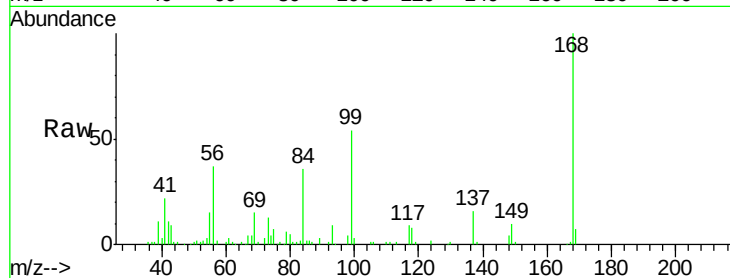
VN1125WBS01

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	39.9	27.5	41.3	
84	96.1	73.9	110.9	

Manual Integrations
APPROVED

SAM

11/27/2020 1:37:15 PM



#32

1,1,1-Trichloroethane

Concen: 18.761 ug/l

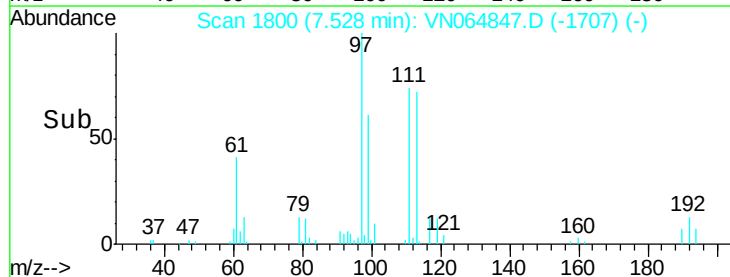
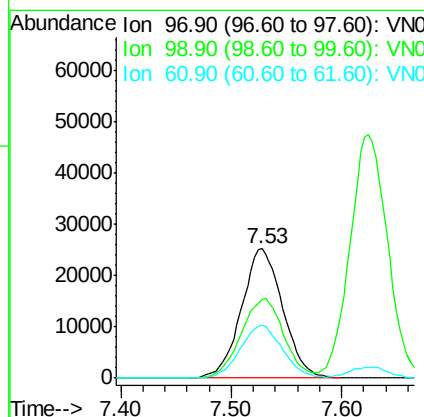
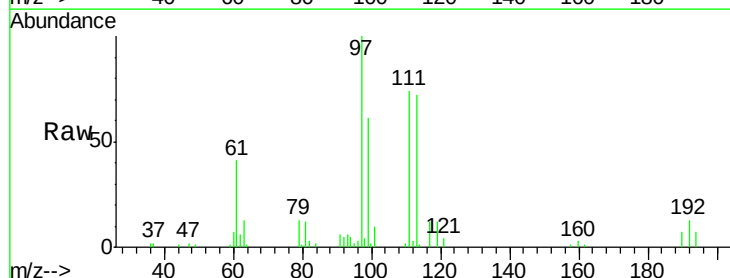
RT: 7.53 min Scan# 1800

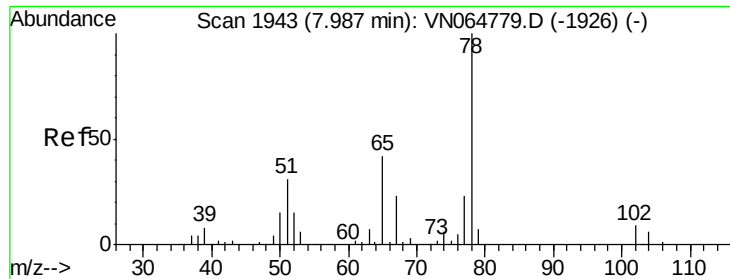
Delta R.T. 0.00 min

Lab File: VN064847.D

Acq: 25 Nov 2020 11:00

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	63.5	51.7	77.5	
61	41.6	33.9	50.9	





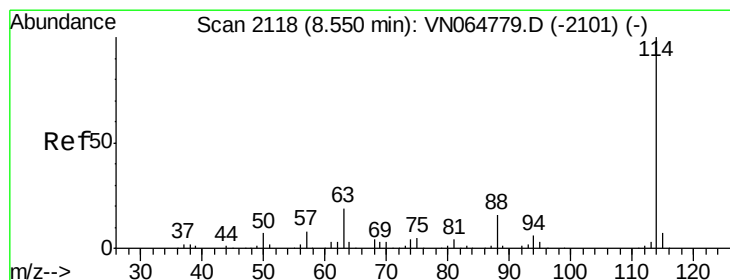
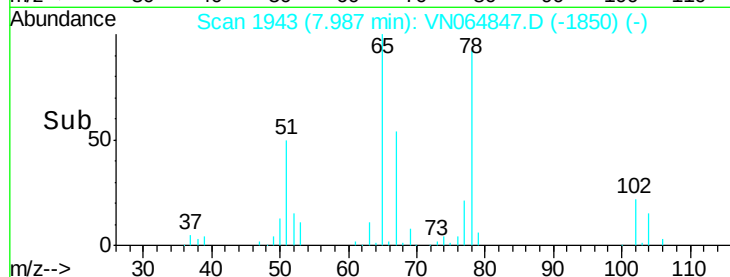
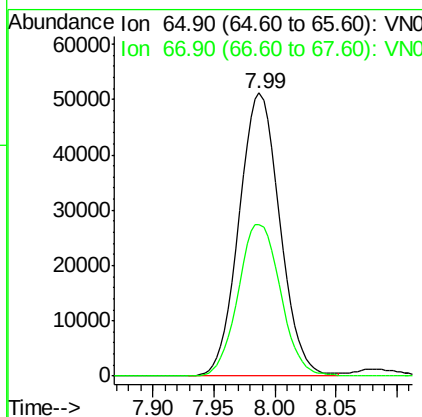
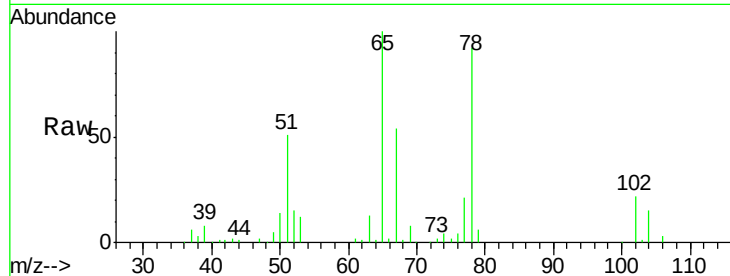
#33
 1,2-Dichloroethane-d4
 Concen: 49.416 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064847.D
 Acq: 25 Nov 2020 11:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1125WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.9	0.0	108.2	

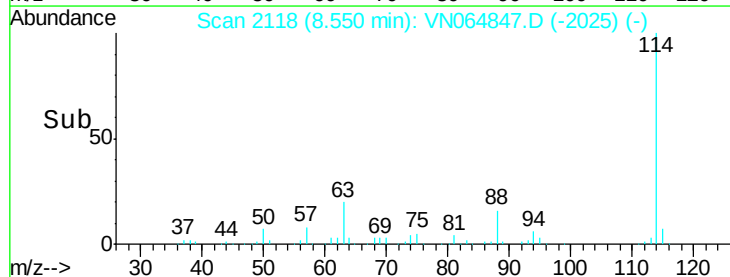
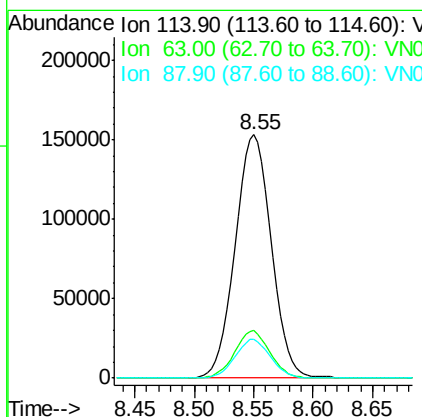
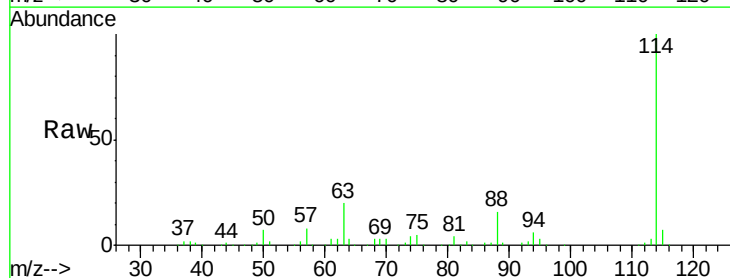
Manual Integrations
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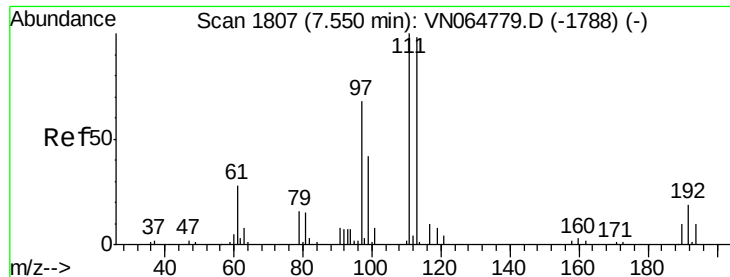
SAM
 11/27/2020 1:37:15 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064847.D
 Acq: 25 Nov 2020 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.5	0.0	38.6	
88	16.1	0.0	32.6	





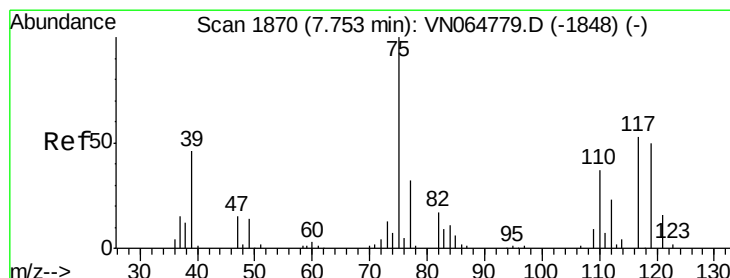
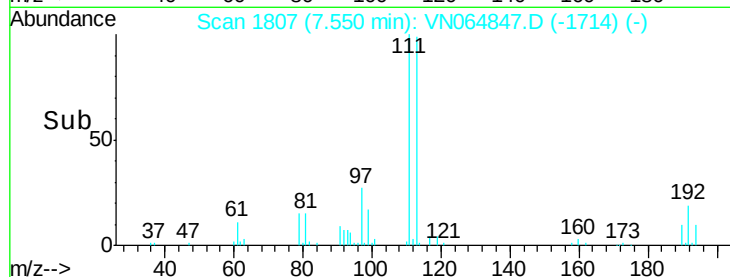
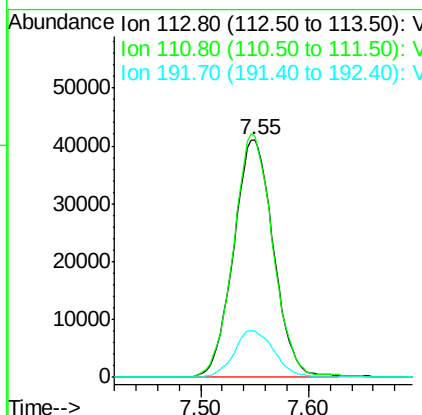
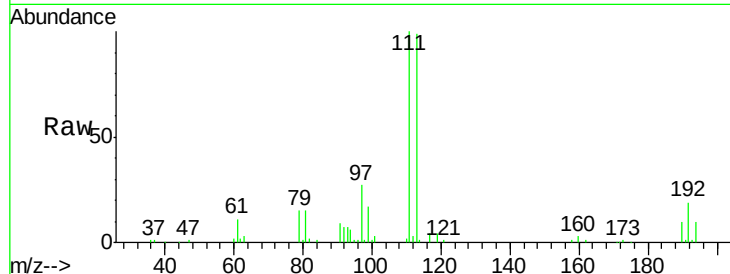
#35
Dibromofluoromethane
Concen: 54.691 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN064847.D
Acq: 25 Nov 2020 11:00

Instrument :
MSVOA_N
ClientSampleId :
VN1125WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.5	81.6	122.4	
192	19.8	16.2	24.2	

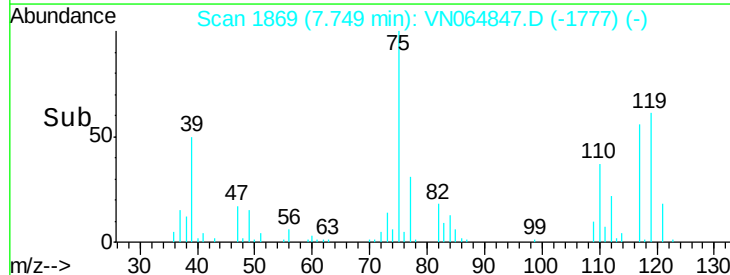
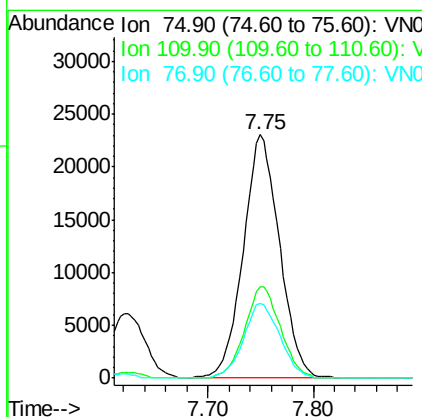
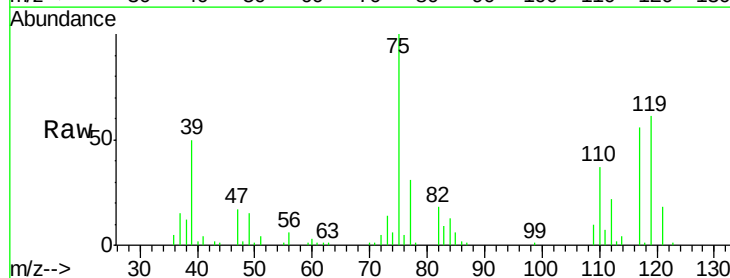
Manual Integrations
APPROVED

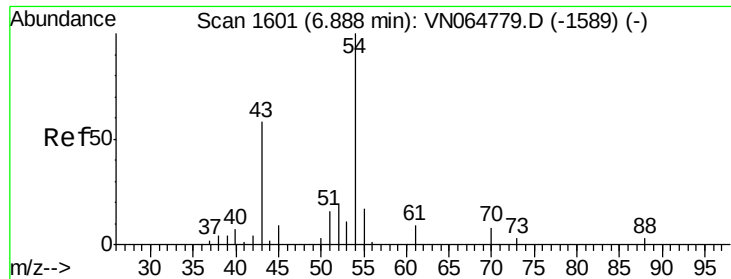
SAM
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#36
1,1-Dichloropropene
Concen: 18.419 ug/l
RT: 7.75 min Scan# 1869
Delta R.T. -0.00 min
Lab File: VN064847.D
Acq: 25 Nov 2020 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	37.0	17.8	53.3	
77	30.7	25.0	37.4	





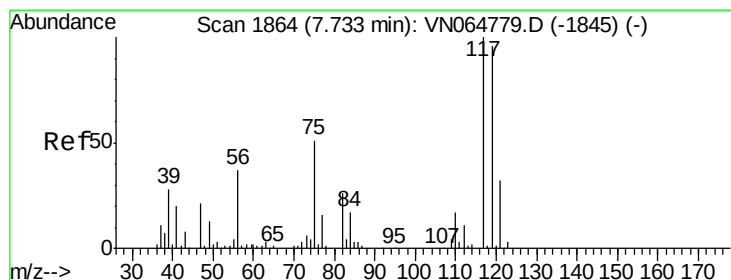
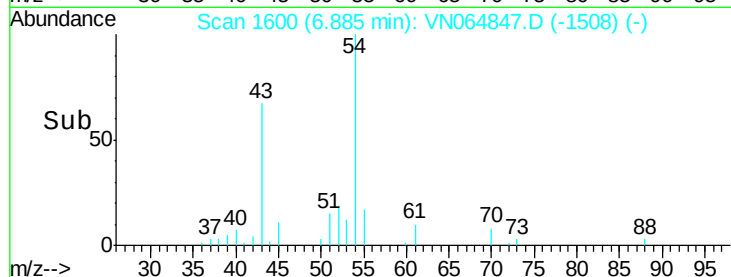
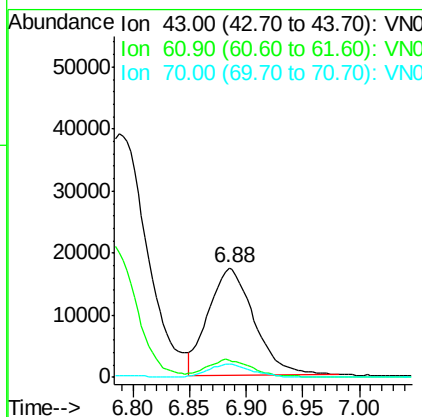
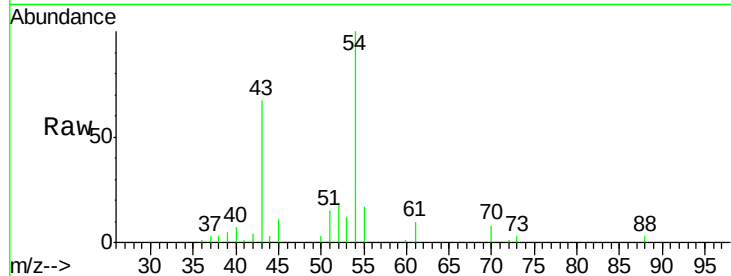
#37
Ethyl Acetate
Concen: 17.103 ug/l
RT: 6.88 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VN064847.D
Acq: 25 Nov 2020 11:00

Instrument :
MSVOA_N
ClientSampleId :
VN1125WBS01

Tot Ion	43	61	70
Resp	49234		
Ratio	100	16.2	11.6
Lower		12.8	8.8
Upper		19.2	13.2

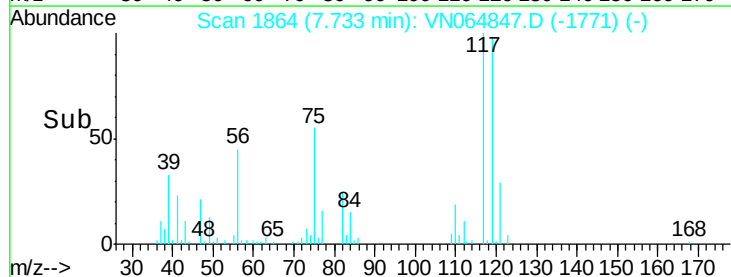
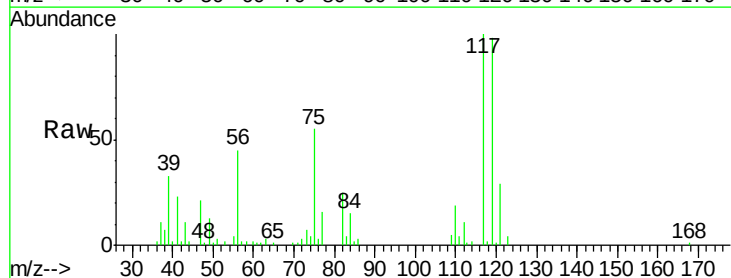
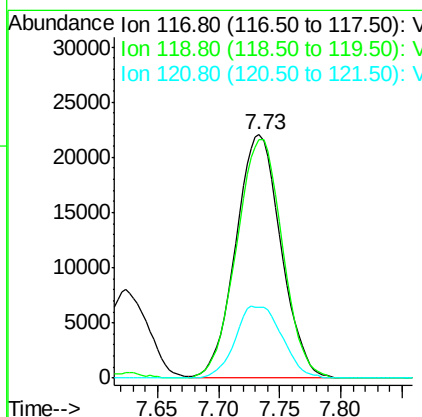
Manual Integrations
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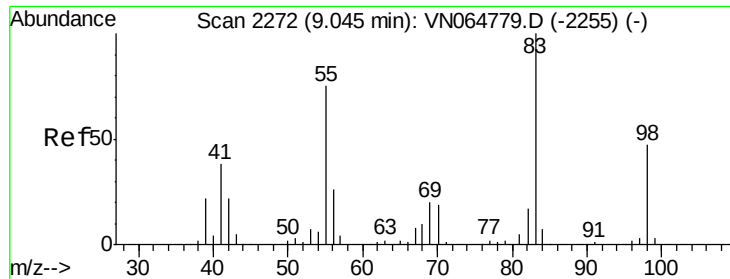
SAM
11/27/2020 1:37:15 PM



#38
Carbon Tetrachloride
Concen: 18.251 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN064847.D
Acq: 25 Nov 2020 11:00

Tgt Ion	117	119	121
Resp	56753		
Ratio	100	97.9	28.9
Lower		76.7	25.4
Upper		115.1	38.2





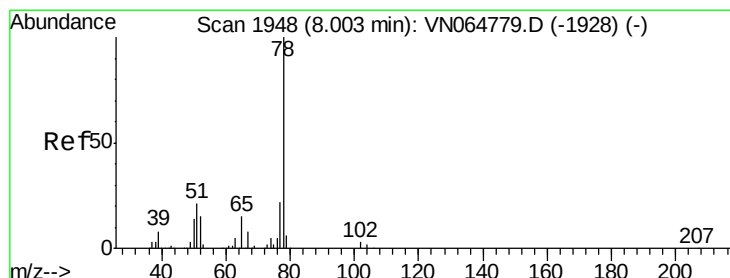
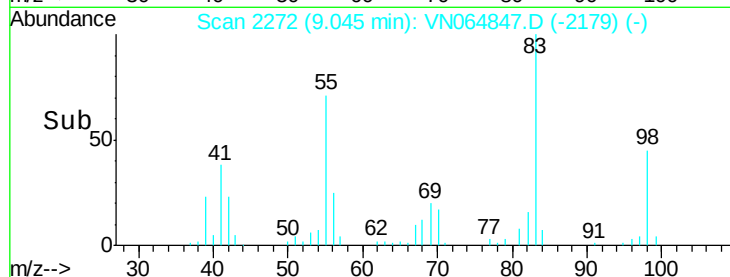
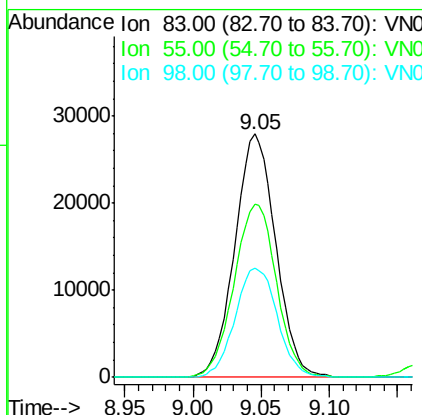
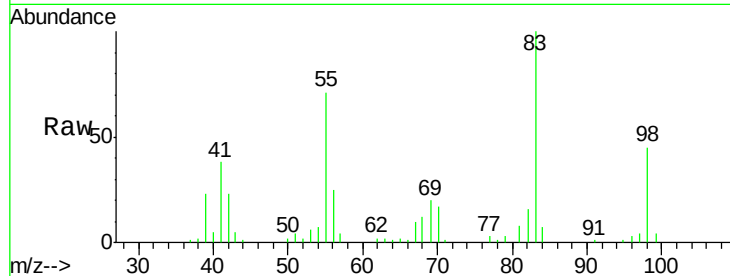
#39
Methylvlcyclohexane
Concen: 18.064 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN064847.D
Acq: 25 Nov 2020 11:00

Instrument :
MSVOA_N
ClientSampleId :
VN1125WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.0	60.2	90.2
98	44.8	37.4	56.2

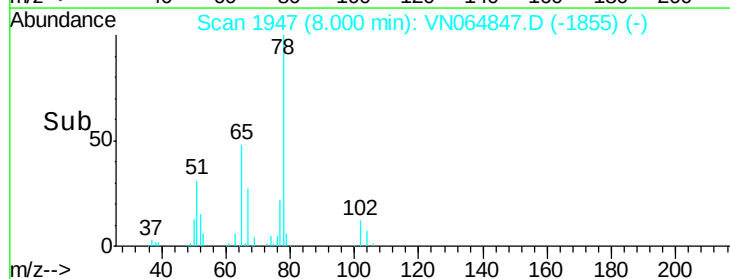
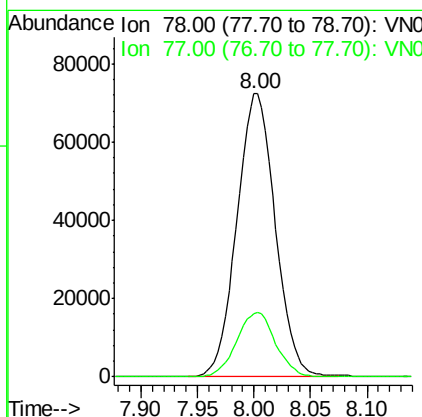
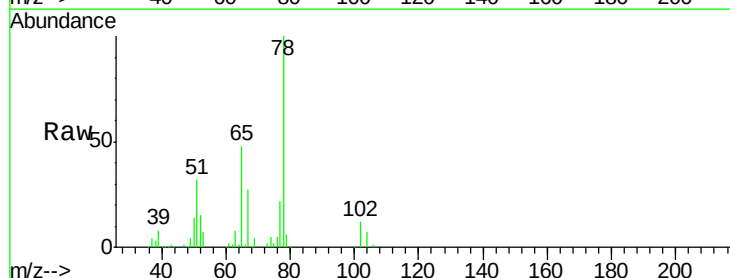
Manual Integrations
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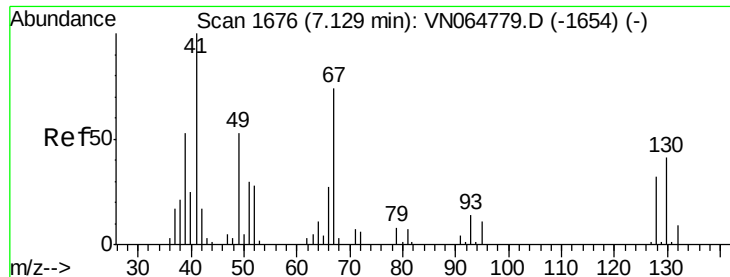
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#40
Benzene
Concen: 18.669 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN064847.D
Acq: 25 Nov 2020 11:00

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.4	17.9	26.9





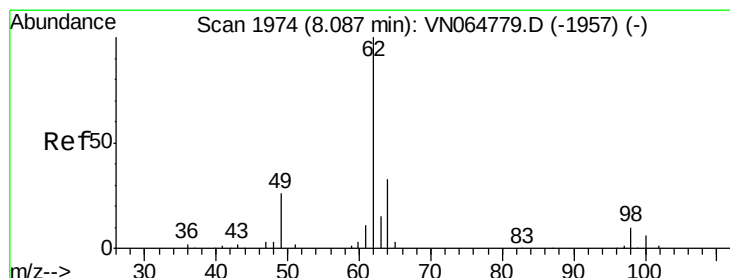
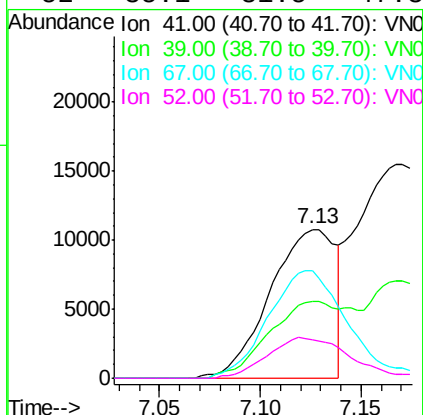
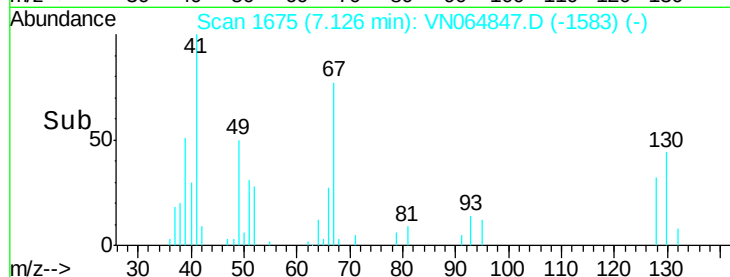
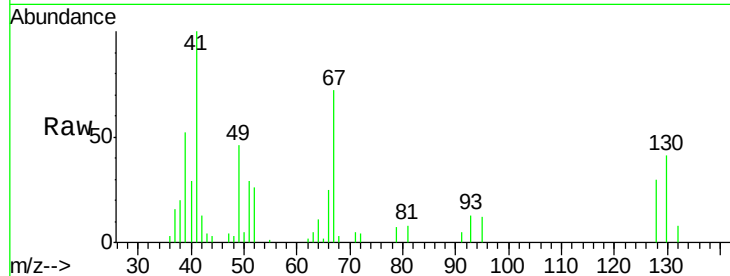
#41
Methacrylonitrile
Concen: 18.260 ug/l
RT: 7.13 min Scan# 1675
Delta R.T. -0.00 min
Lab File: VN064847.D
Acq: 25 Nov 2020 11:00

Instrument :
MSVOA_N
ClientSampleId :
VN1125WBS01

Tot Ion:	41	Resp:	24255
Ion	Ratio	Lower	Upper
41	100		
39	64.5	51.0	76.6
67	88.2	79.8	119.8
52	35.1	31.5	47.3

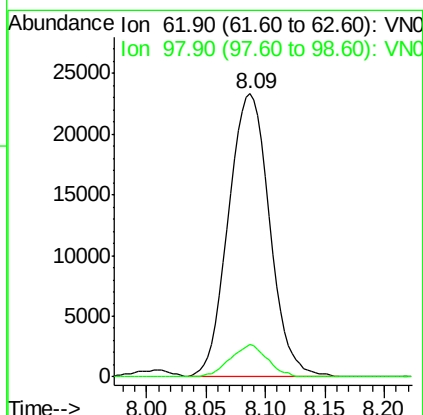
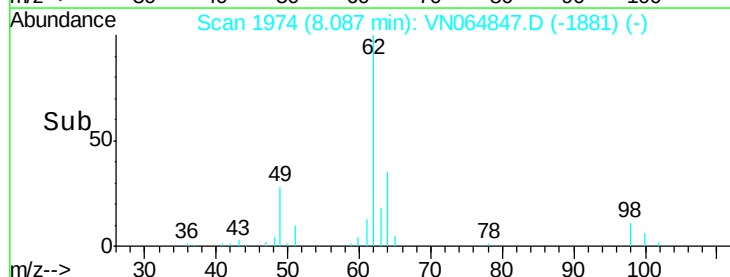
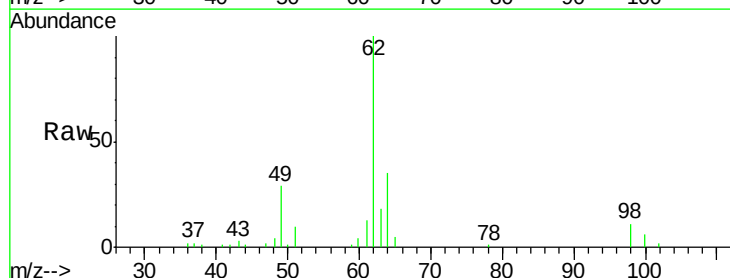
Manual Integrations
APPROVED

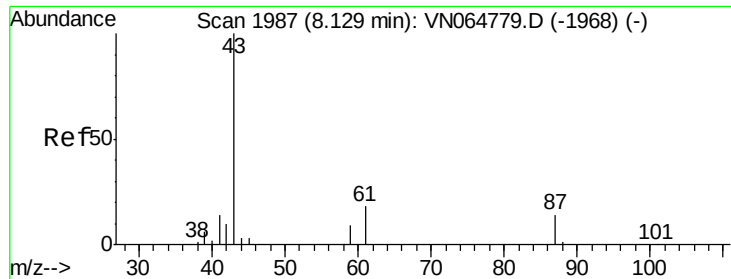
SAM
11/27/2020 1:37:15 PM



#42
1,2-Dichloroethane
Concen: 18.157 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN064847.D
Acq: 25 Nov 2020 11:00

Tgt Ion:	62	Resp:	56093
Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	19.6





#43

Isopropyl Acetate

Concen: 17.118 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN064847.D

Acq: 25 Nov 2020 11:00

Instrument :

MSVOA_N

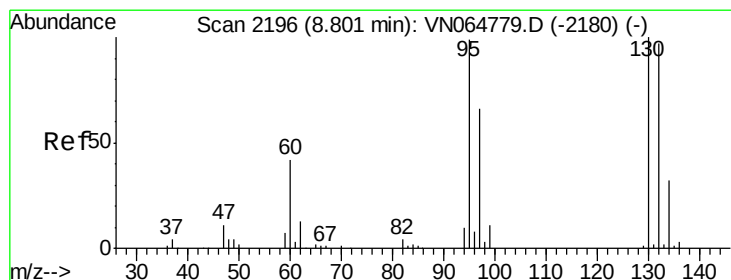
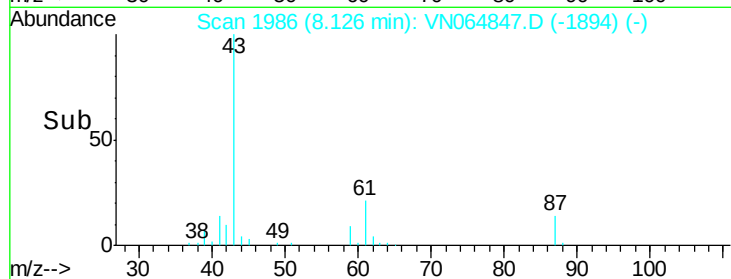
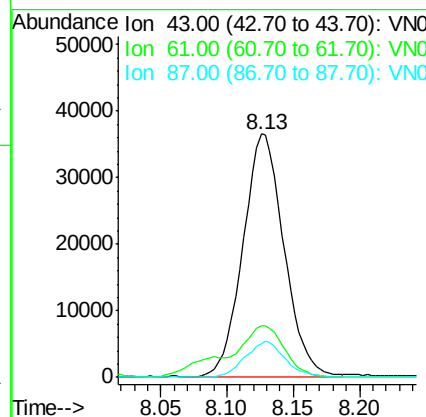
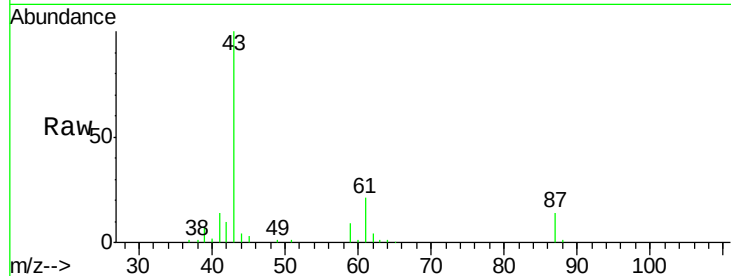
ClientSampleId :

VN1125WBS01

Tot Ion:	43	Resp:	79293
Ion	Ratio	Lower	Upper
43	100		
61	21.7	17.2	25.8
87	14.4	11.4	17.0

Manual Integrations
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SAM
11/27/2020 1:37:15 PM



#44

Trichloroethene

Concen: 17.901 ug/l

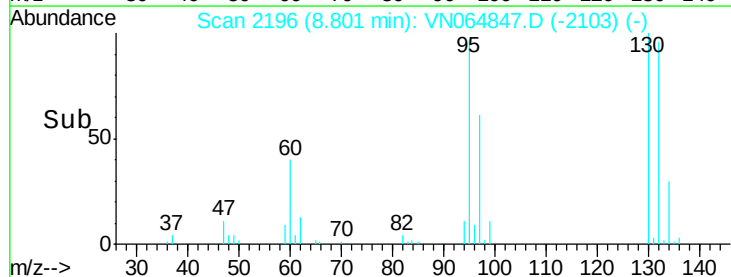
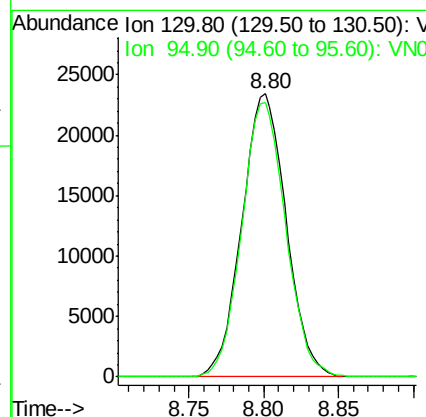
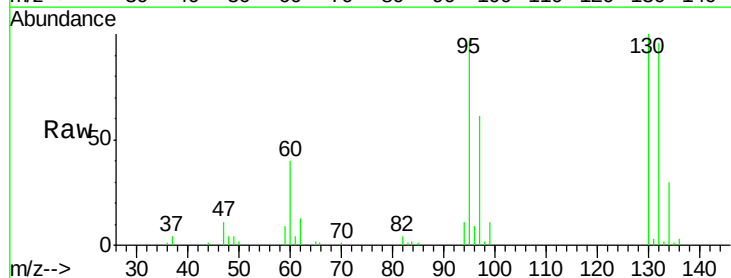
RT: 8.80 min Scan# 2196

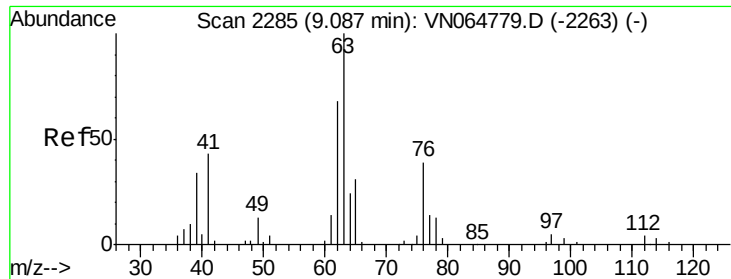
Delta R.T. 0.00 min

Lab File: VN064847.D

Acq: 25 Nov 2020 11:00

Tgt Ion:	130	Resp:	48369
Ion	Ratio	Lower	Upper
130	100		
95	97.1	0.0	197.8





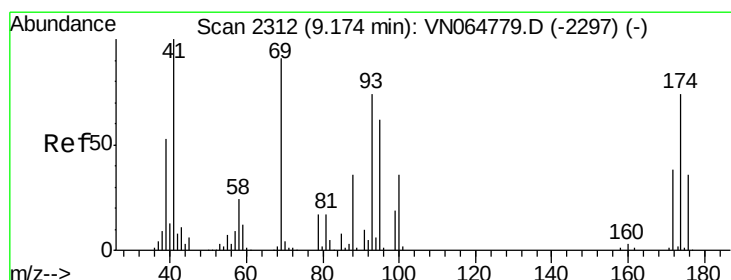
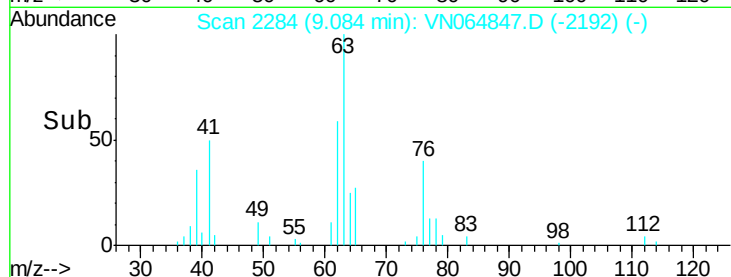
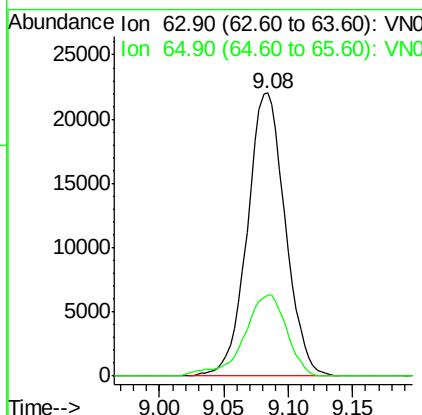
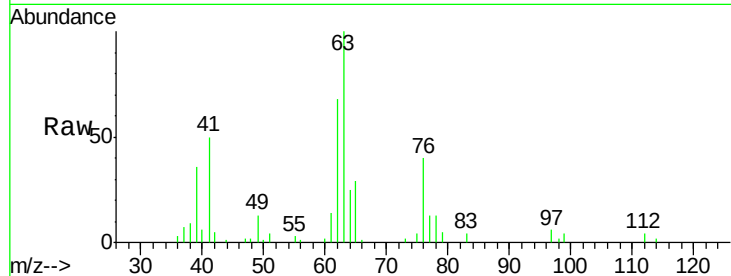
#45
 1,2-Dichloropropane
 Concen: 19.076 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN064847.D
 Acq: 25 Nov 2020 11:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1125WBS01

Tot Ion: 63 Resp: 45240
 Ion Ratio Lower Upper
 63 100
 65 28.7 25.0 37.4

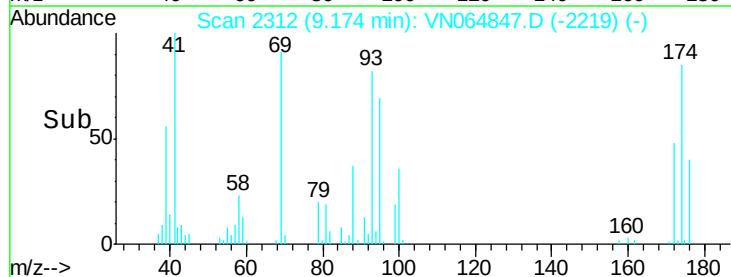
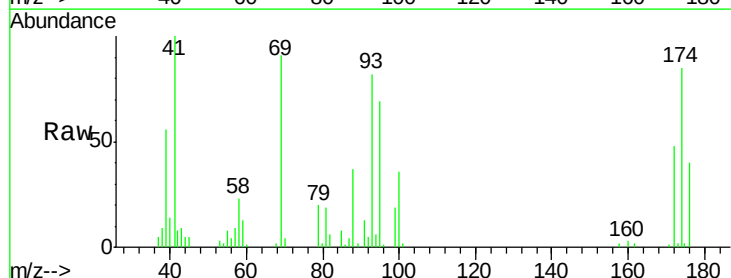
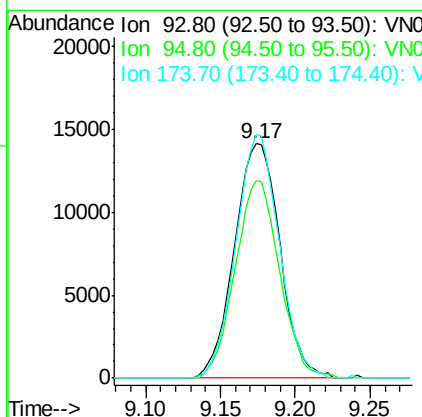
Manual Integrations
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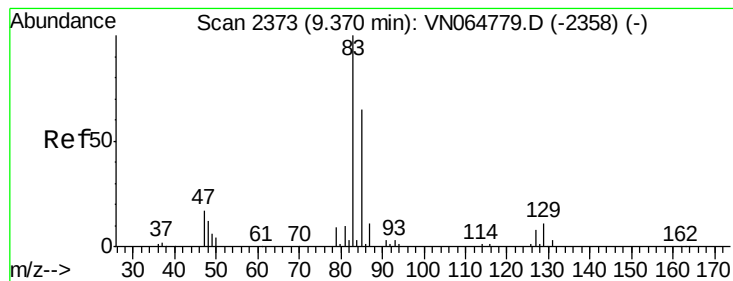
SAM
 11/27/2020 1:37:15 PM



#46
 Dibromomethane
 Concen: 18.958 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN064847.D
 Acq: 25 Nov 2020 11:00

Tgt Ion: 93 Resp: 30037
 Ion Ratio Lower Upper
 93 100
 95 82.1 68.8 103.2
 174 98.7 83.1 124.7





#47

Bromodichloromethane

Concen: 18.462 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN064847.D

Acq: 25 Nov 2020 11:00

Instrument :

MSVOA_N

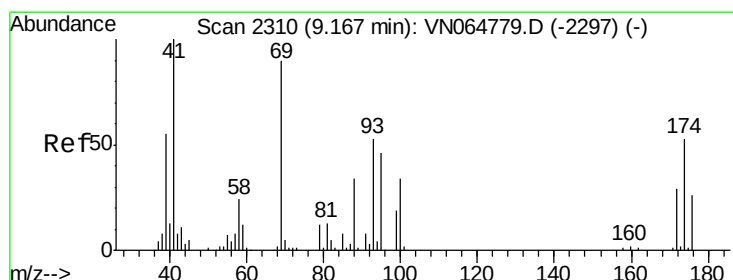
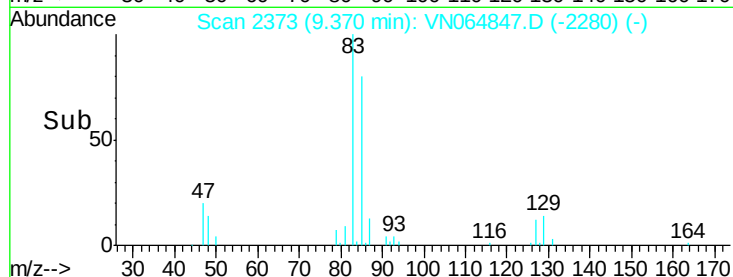
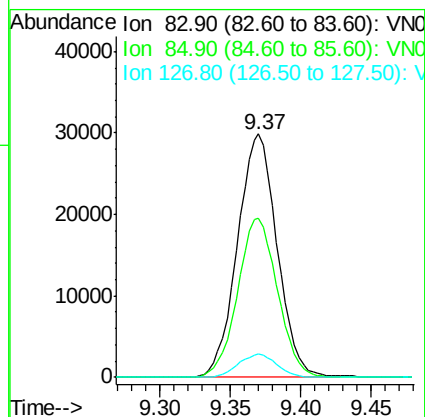
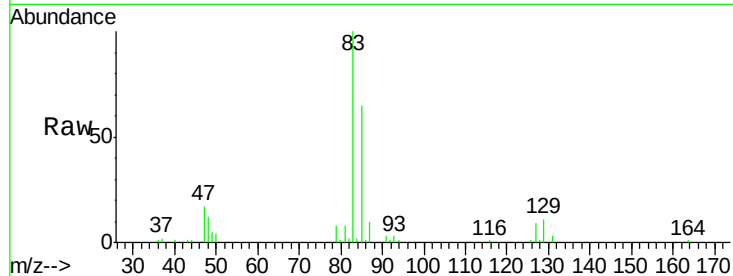
ClientSampleId :

VN1125WBS01

Tot Ion:	83	Resp:	58855
Ion Ratio	Lower	Upper	
83	100		
85	65.2	51.8	77.8
127	9.4	6.8	10.2

Manual Integrations
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SAM
11/27/2020 1:37:15 PM



#48

Methyl methacrylate

Concen: 17.183 ug/l

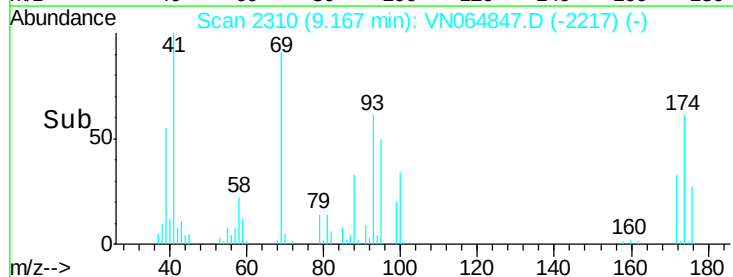
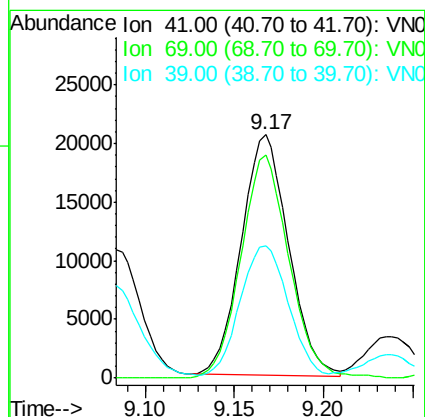
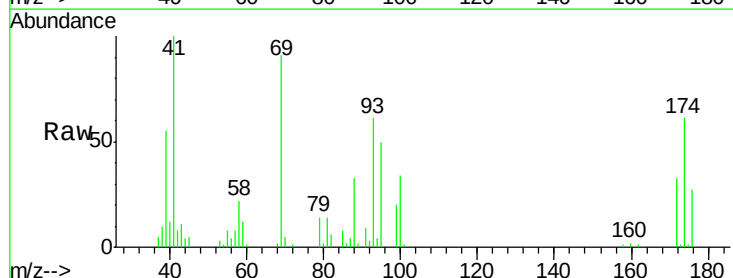
RT: 9.17 min Scan# 2310

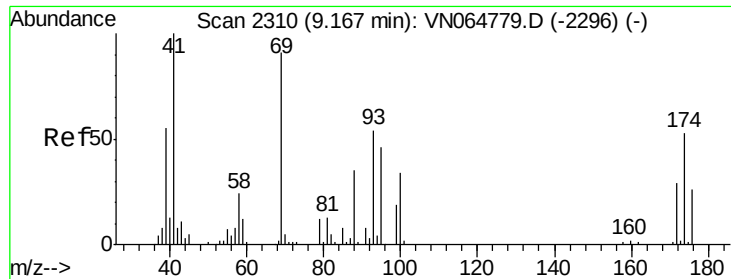
Delta R.T. 0.00 min

Lab File: VN064847.D

Acq: 25 Nov 2020 11:00

Tgt Ion:	41	Resp:	38033
Ion Ratio	Lower	Upper	
41	100		
69	94.5	71.8	107.8
39	57.1	44.1	66.1





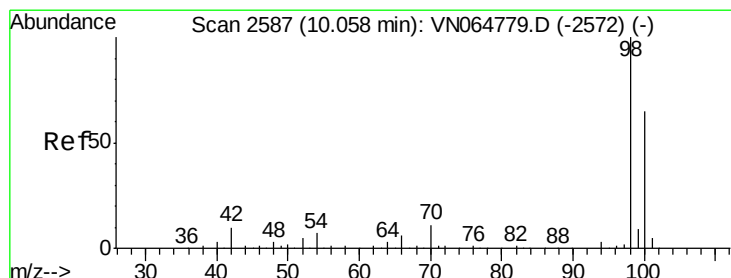
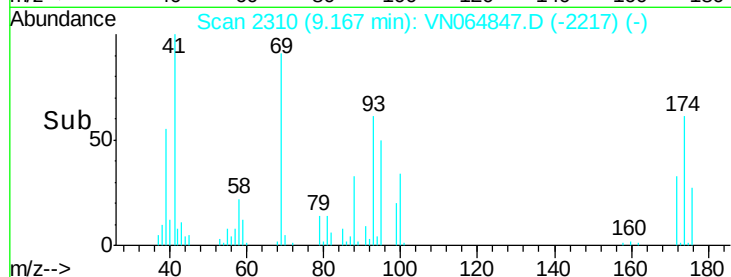
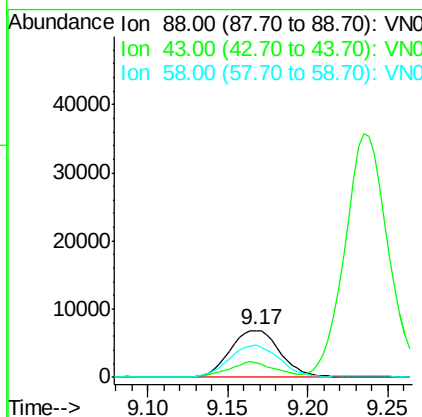
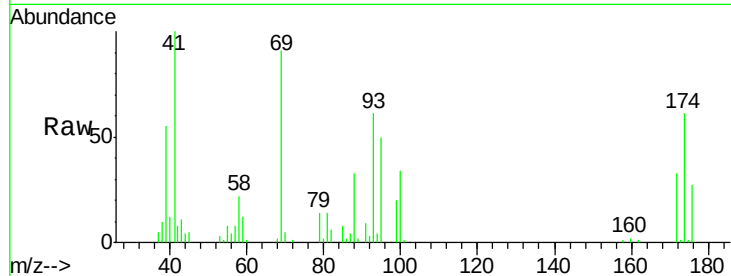
#49
1,4-Dioxane
Concen: 349.592 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN064847.D
Acq: 25 Nov 2020 11:00

Instrument :
MSVOA_N
ClientSampleId :
VN1125WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.7	24.2	36.4
58	69.0	52.5	78.7

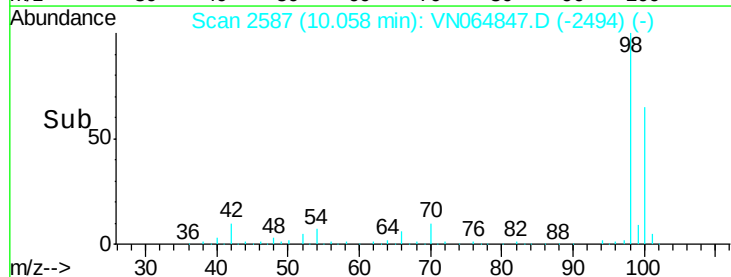
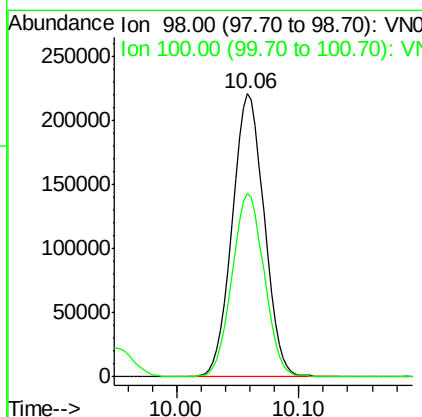
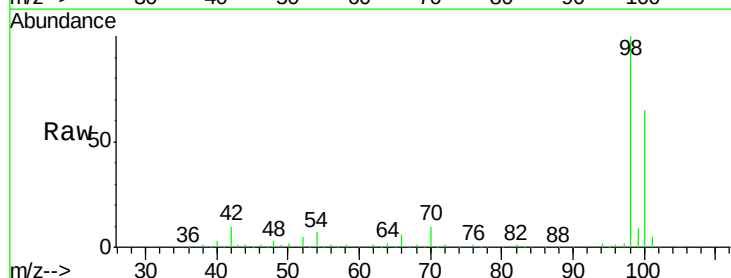
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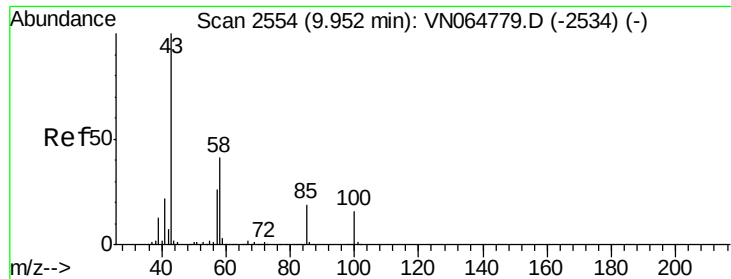
SAM
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#50
Toluene-d8
Concen: 50.985 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN064847.D
Acq: 25 Nov 2020 11:00

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.3	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 89.483 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN064847.D

Acq: 25 Nov 2020 11:00

Instrument :

MSVOA_N

ClientSampled :

VN1125WBS01

Tot Ion: 43 Resp: 248846

Ion Ratio Lower Upper

43 100

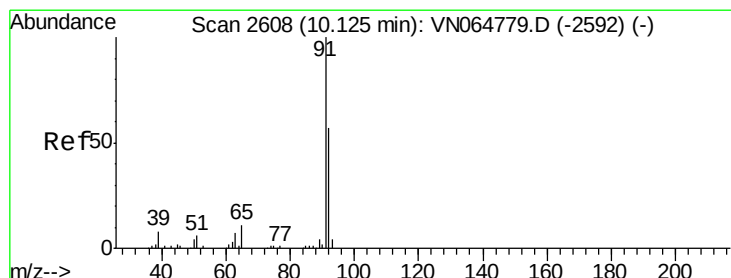
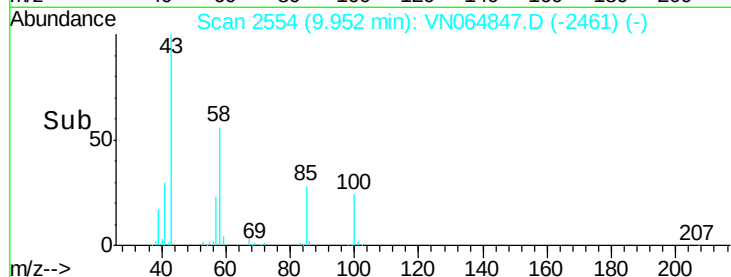
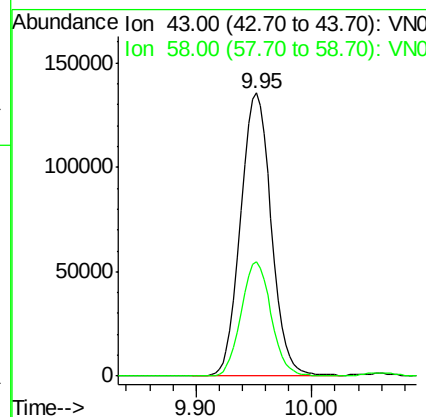
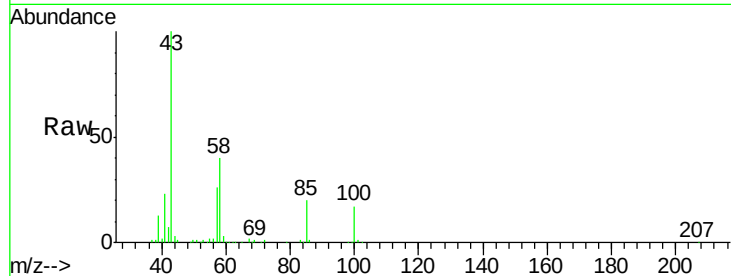
58 39.6 32.4 48.6

Manual Integrations

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#52

Toluene

Concen: 18.907 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064847.D

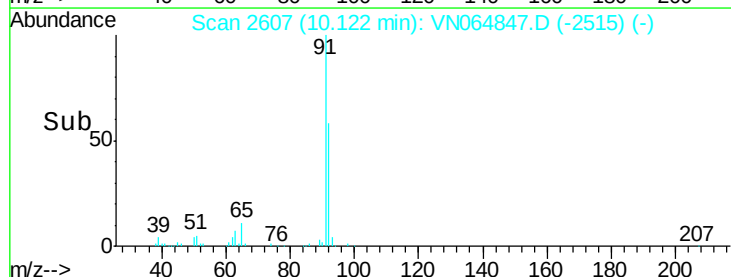
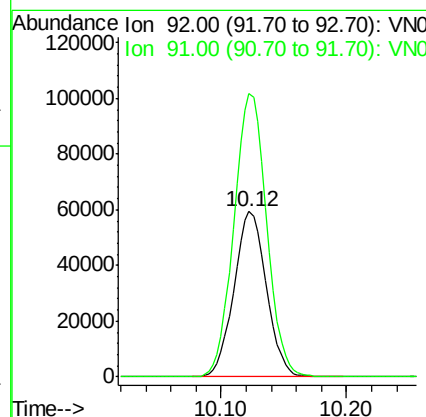
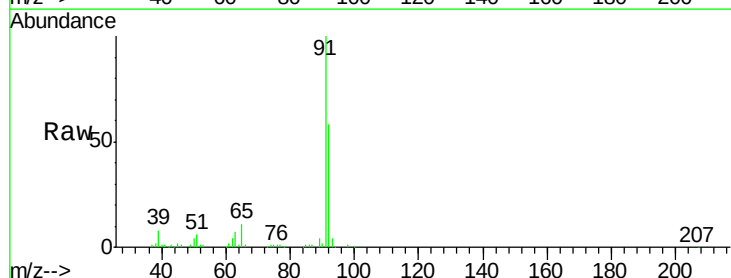
Acq: 25 Nov 2020 11:00

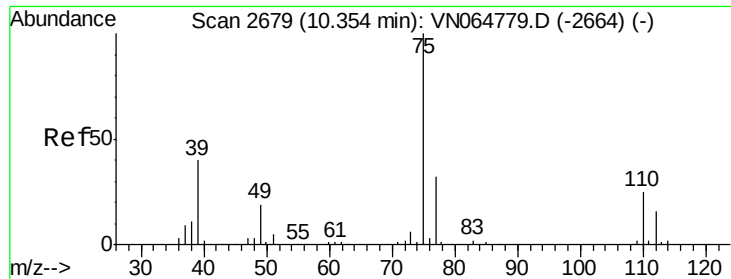
Tgt Ion: 92 Resp: 106632

Ion Ratio Lower Upper

92 100

91 173.0 139.1 208.7





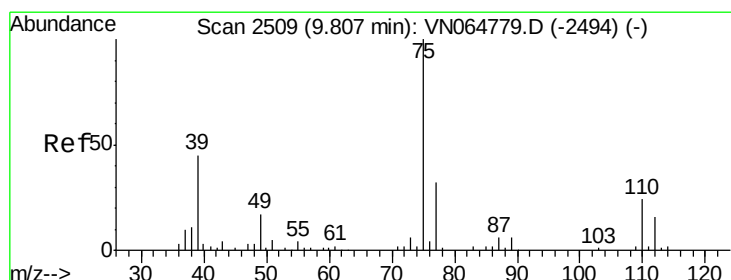
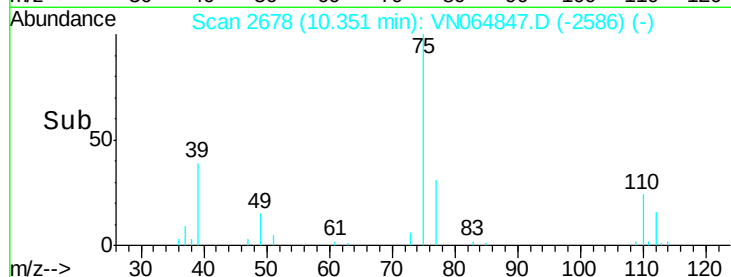
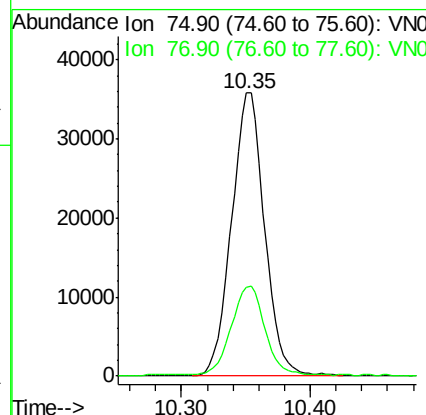
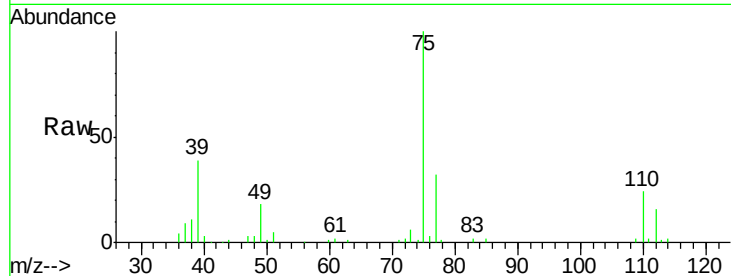
#53
t-1,3-Dichloropropene
Concen: 17.879 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VN064847.D
Acq: 25 Nov 2020 11:00

Instrument :
MSVOA_N
ClientSampleId :
VN1125WBS01

Tot Ion: 75 Resp: 63483
Ion Ratio Lower Upper
75 100
77 31.0 25.8 38.6

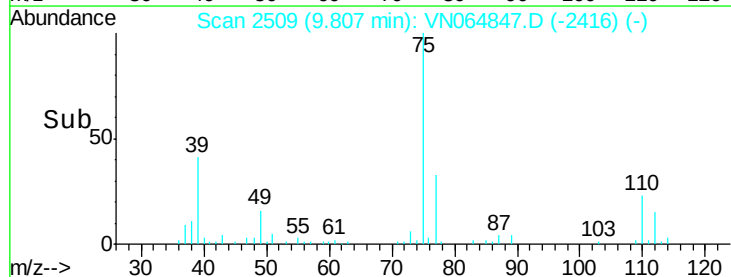
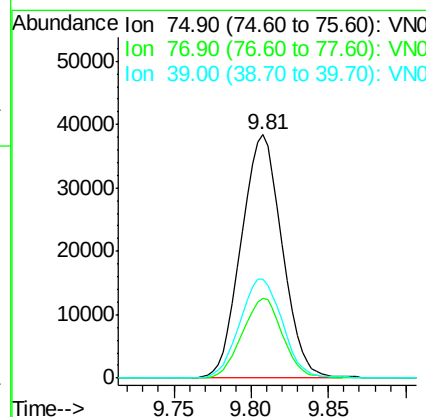
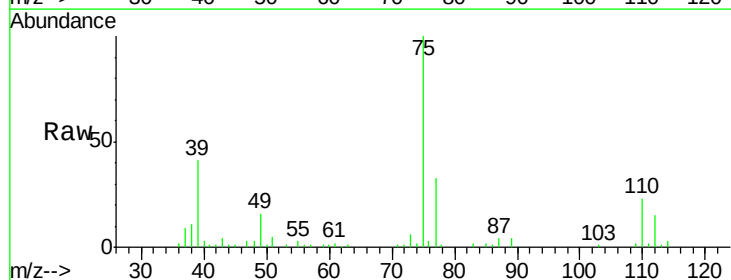
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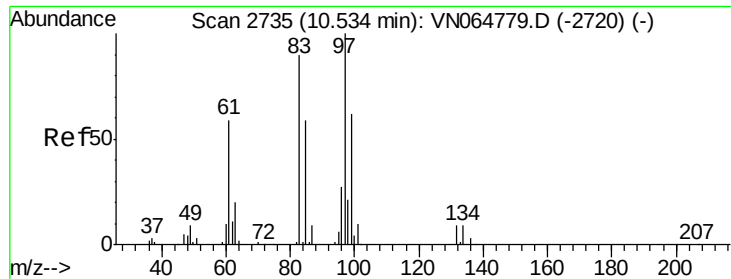
SAM
11/27/2020 1:37:15 PM



#54
cis-1,3-Dichloropropene
Concen: 18.579 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN064847.D
Acq: 25 Nov 2020 11:00

Tgt Ion: 75 Resp: 70709
Ion Ratio Lower Upper
75 100
77 32.8 25.5 38.3
39 40.6 35.6 53.4





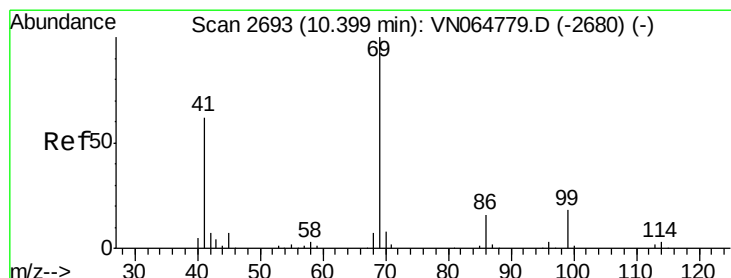
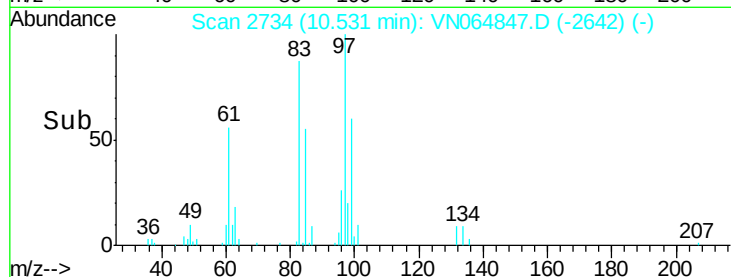
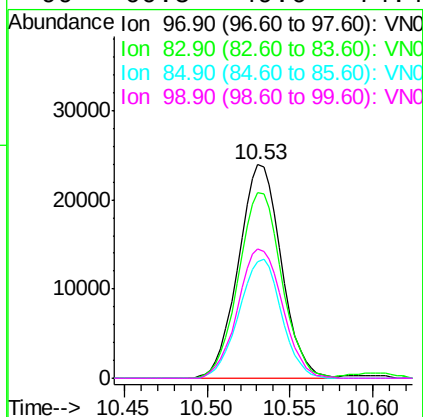
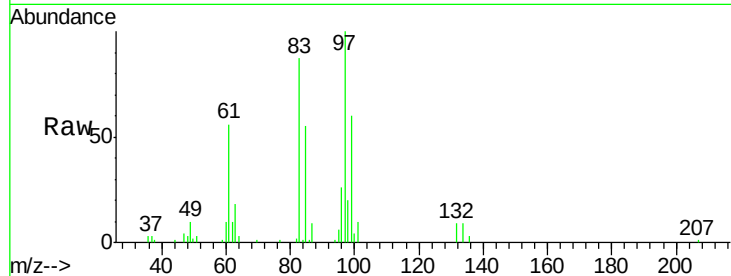
#55
1,1,2-Trichloroethane
Concen: 18.597 ug/l
RT: 10.53 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VN064847.D
Acq: 25 Nov 2020 11:00

Instrument :
MSVOA_N
ClientSampleId :
VN1125WBS01

Tot Ion:	97	Resp:	43128
Ion	Ratio	Lower	Upper
97	100		
83	86.8	72.1	108.1
85	54.8	46.8	70.2
99	60.5	49.6	74.4

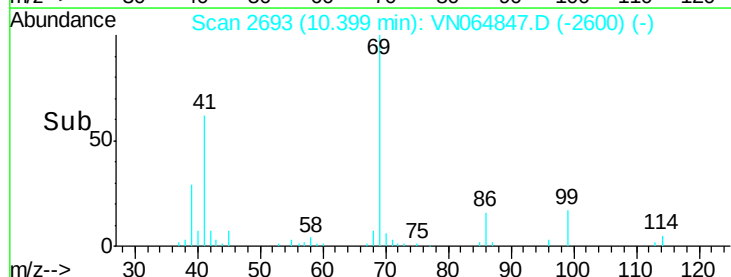
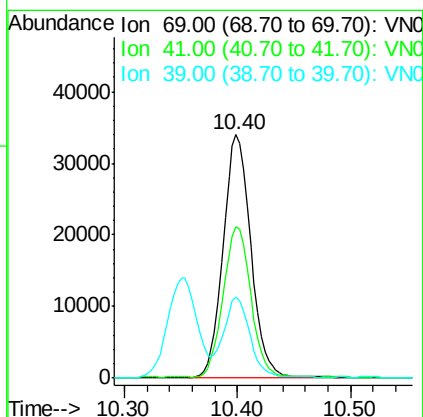
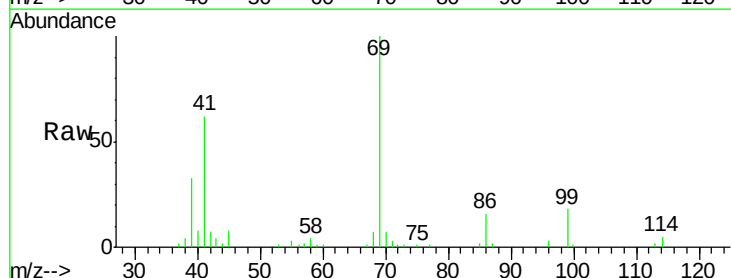
Manual Integrations
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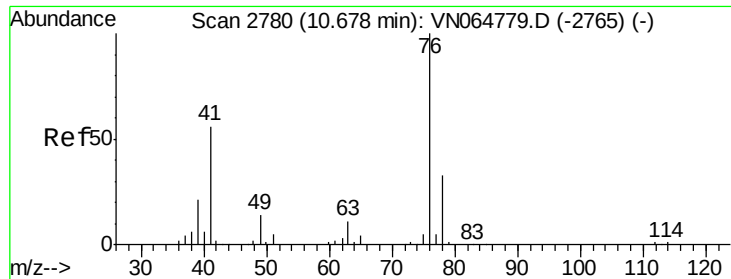
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#56
Ethyl methacrylate
Concen: 18.258 ug/l
RT: 10.40 min Scan# 2693
Delta R.T. 0.00 min
Lab File: VN064847.D
Acq: 25 Nov 2020 11:00

Tgt Ion:	69	Resp:	58430
Ion	Ratio	Lower	Upper
69	100		
41	62.5	49.4	74.0
39	31.0	25.9	38.9





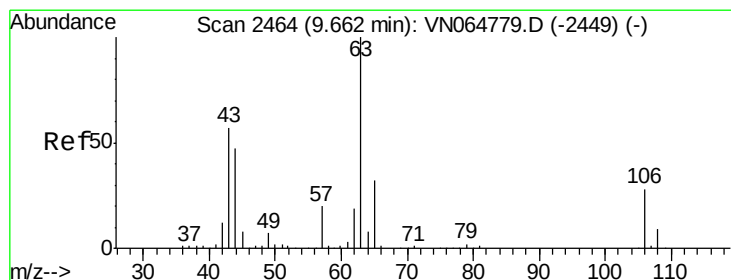
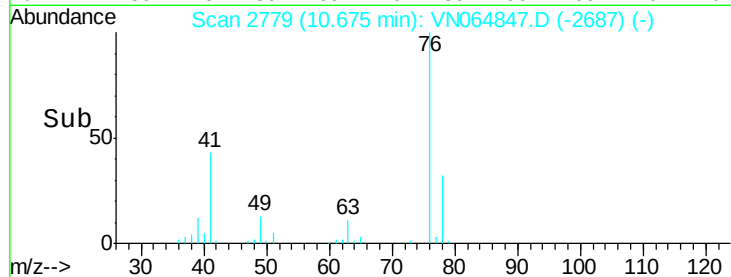
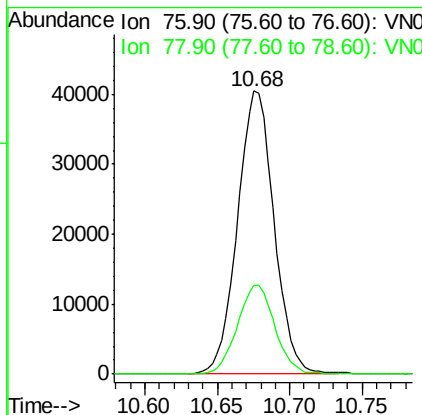
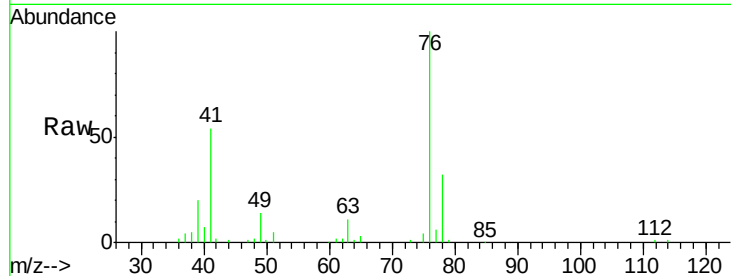
#57
 1,3-Dichloropropane
 Concen: 18.566 ug/l
 RT: 10.68 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN064847.D
 Acq: 25 Nov 2020 11:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1125WBS01

Tot Ion: 76 Resp: 71026
 Ion Ratio Lower Upper
 76 100
 78 32.1 26.1 39.1

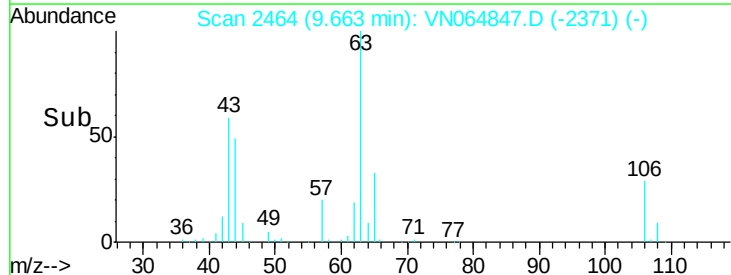
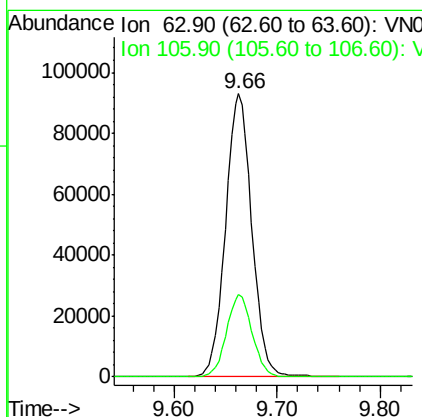
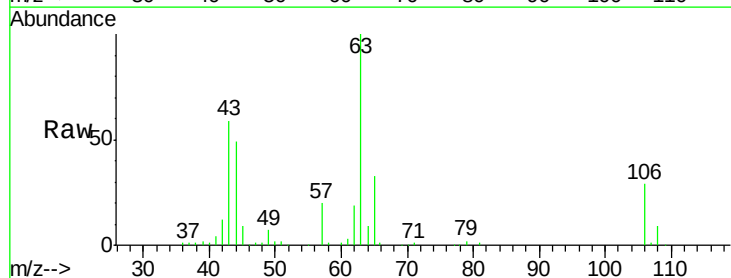
Manual Integrations
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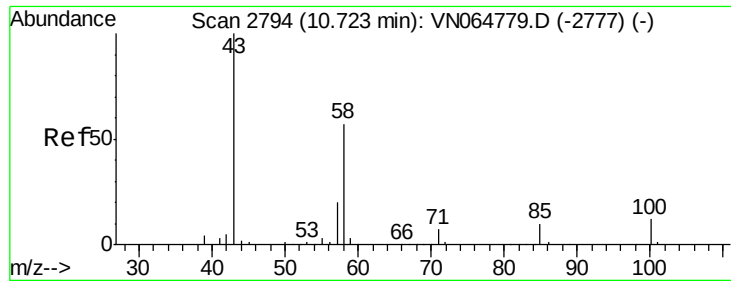
SAM
 11/27/2020 1:37:15 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 93.670 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN064847.D
 Acq: 25 Nov 2020 11:00

Tgt Ion: 63 Resp: 164895
 Ion Ratio Lower Upper
 63 100
 106 28.3 22.7 34.1





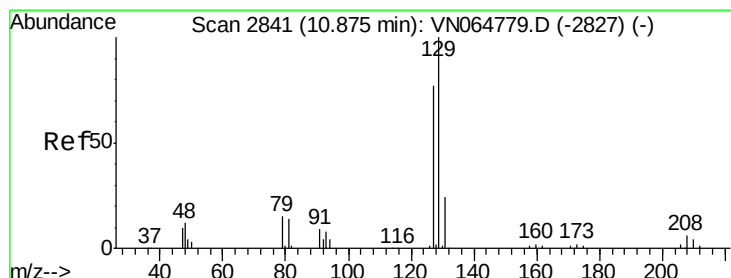
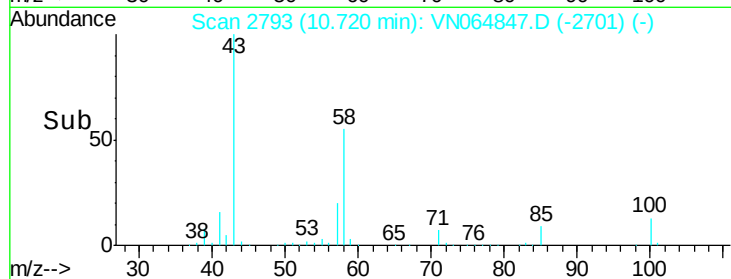
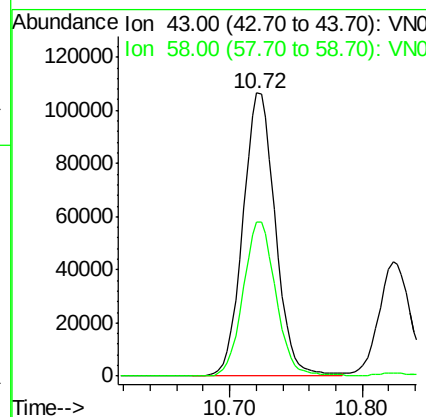
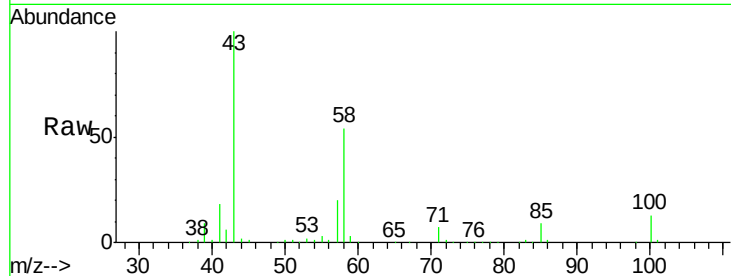
#59
2-Hexanone
Concen: 90.612 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN064847.D
Acq: 25 Nov 2020 11:00

Instrument :
MSVOA_N
ClientSampleId :
VN1125WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.9	28.3	84.9

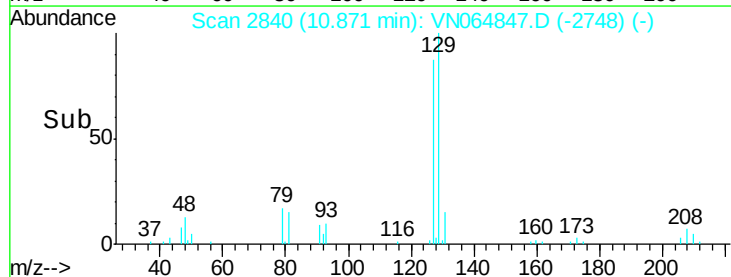
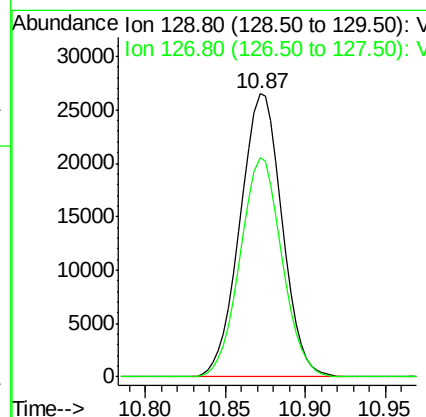
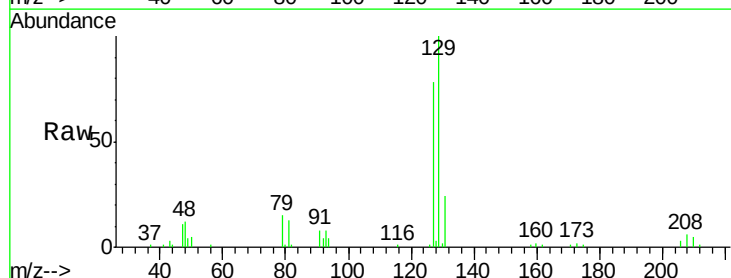
Manual Integrations
APPROVED

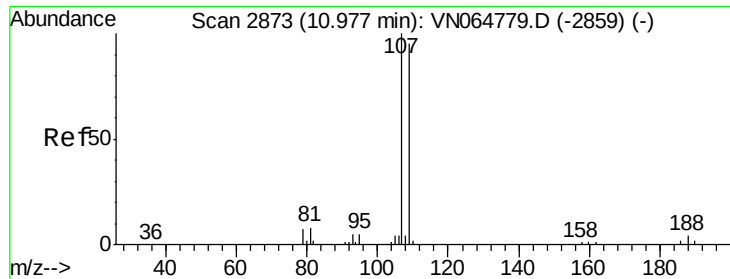
SAM
11/27/2020 1:37:15 PM



#60
Dibromochloromethane
Concen: 18.434 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064847.D
Acq: 25 Nov 2020 11:00

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.0	39.1	117.2





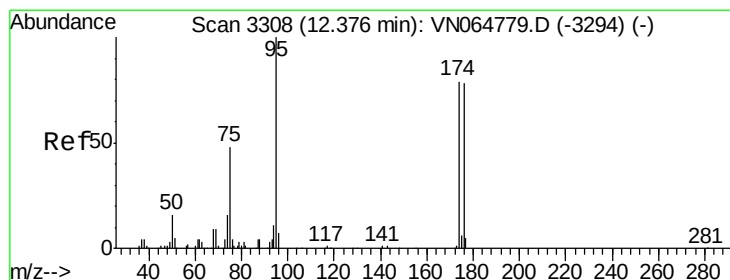
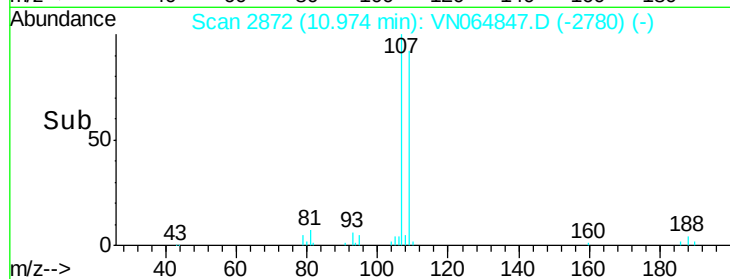
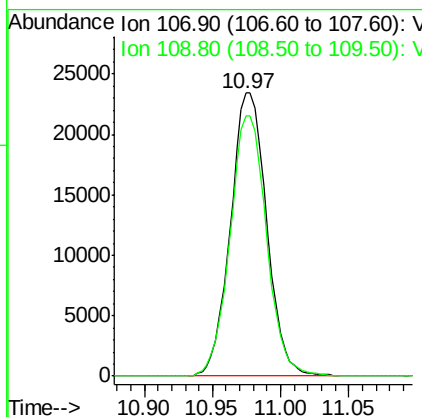
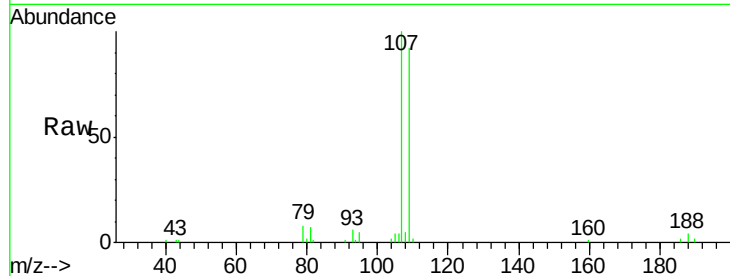
#61
 1,2-Dibromoethane
 Concen: 18.365 ug/l
 RT: 10.97 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN064847.D
 Acq: 25 Nov 2020 11:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1125WBS01

Tot Ion:107 Resp: 43271
 Ion Ratio Lower Upper
 107 100
 109 92.5 76.0 114.0

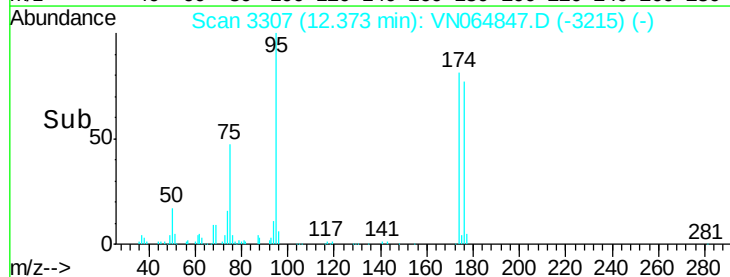
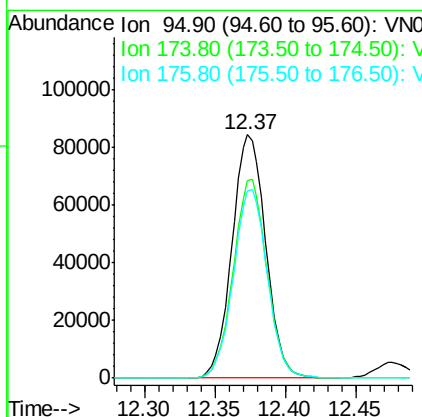
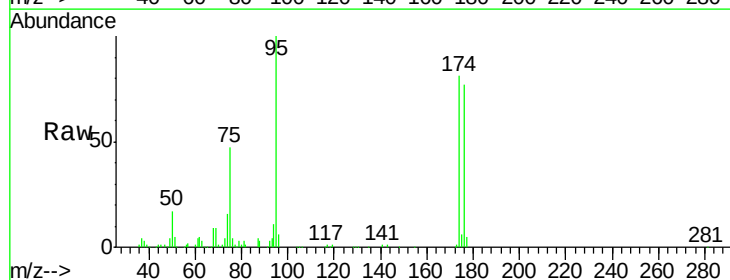
Manual Integrations
 APPROVED

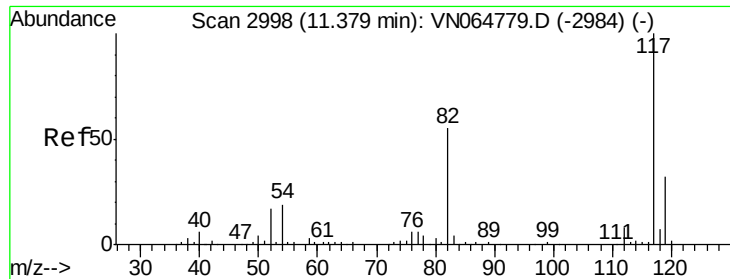
SAM
 11/27/2020 1:37:15 PM



#62
 4-Bromofluorobenzene
 Concen: 50.129 ug/l
 RT: 12.37 min Scan# 3307
 Delta R.T. -0.00 min
 Lab File: VN064847.D
 Acq: 25 Nov 2020 11:00

Tgt Ion: 95 Resp: 141417
 Ion Ratio Lower Upper
 95 100
 174 81.7 0.0 160.4
 176 78.3 0.0 158.4





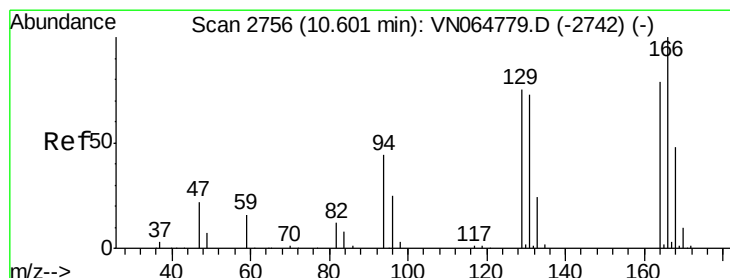
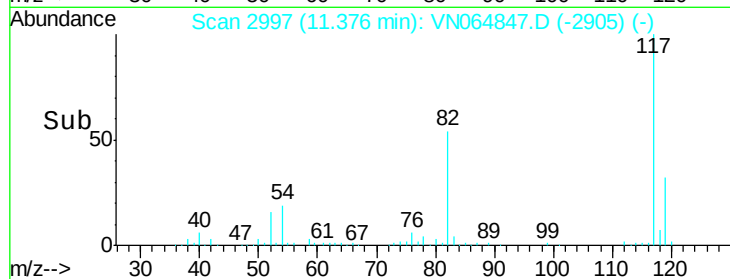
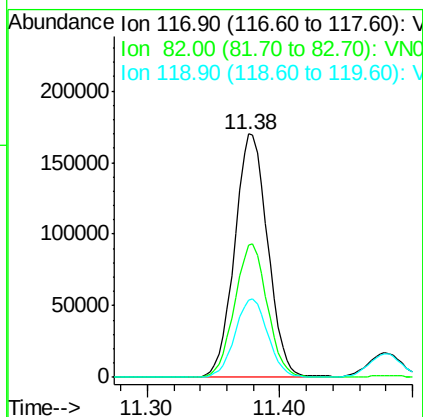
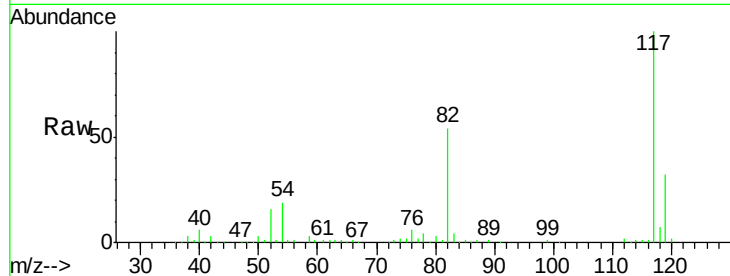
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN064847.D
Acq: 25 Nov 2020 11:00

Instrument :
MSVOA_N
ClientSampleId :
VN1125WBS01

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

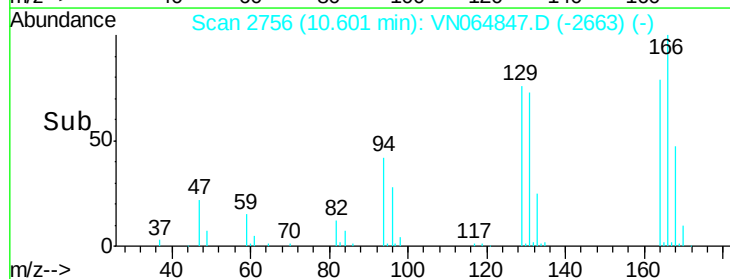
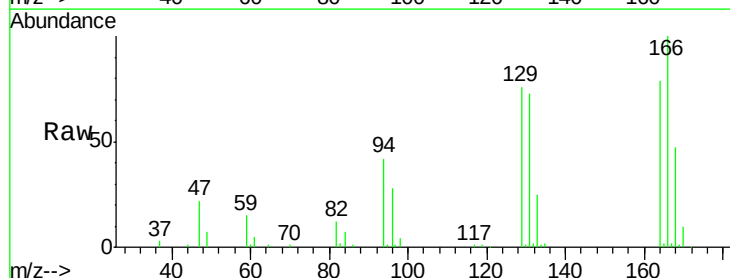
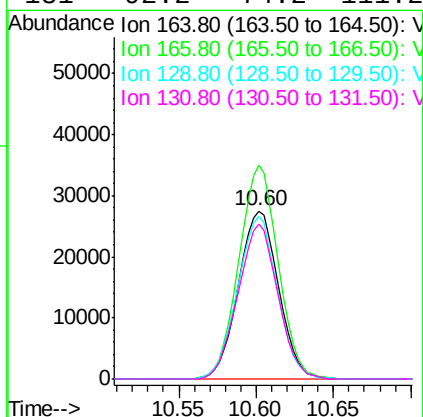
Manual Integrations
APPROVED

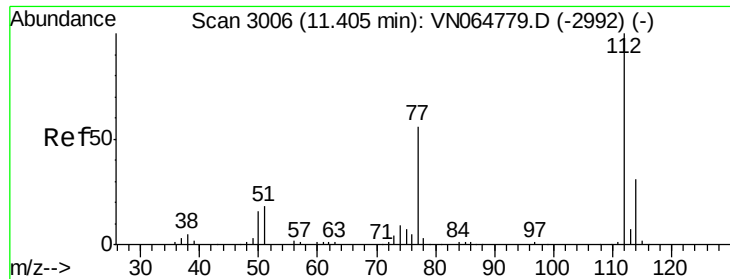
SAM
11/27/2020 1:37:15 PM



#64
Tetrachloroethene
Concen: 17.308 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064847.D
Acq: 25 Nov 2020 11:00

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.1	101.4	152.0
129	96.9	76.1	114.1
131	92.2	74.2	111.2





#65

Chlorobenzene

Concen: 18.403 ug/l

RT: 11.41 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VN064847.D

Acq: 25 Nov 2020 11:00

Instrument :

MSVOA_N

ClientSampleId :

VN1125WBS01

Tot Ion:112 Resp: 116490

Ion Ratio Lower Upper

112 100

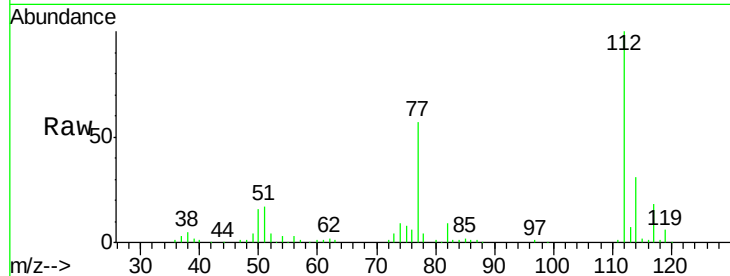
114 30.8 25.1 37.7

Manual Integrations

APPROVED

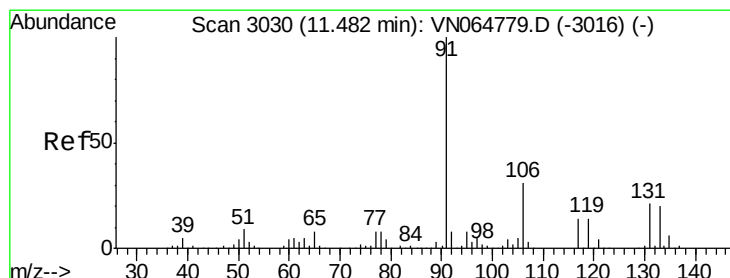
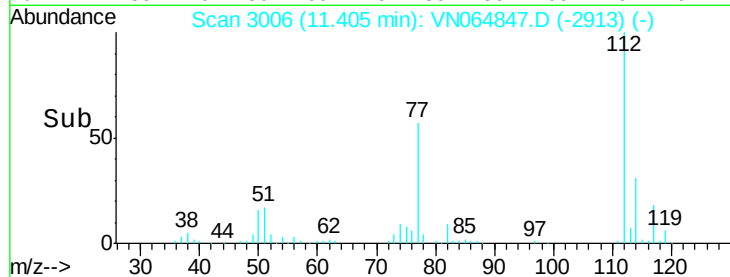
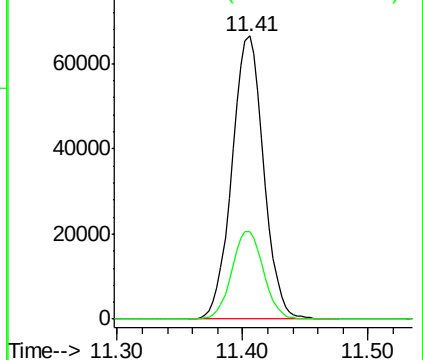
SAM

11/27/2020 1:37:15 PM



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: 18.582 ug/l

RT: 11.48 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN064847.D

Acq: 25 Nov 2020 11:00

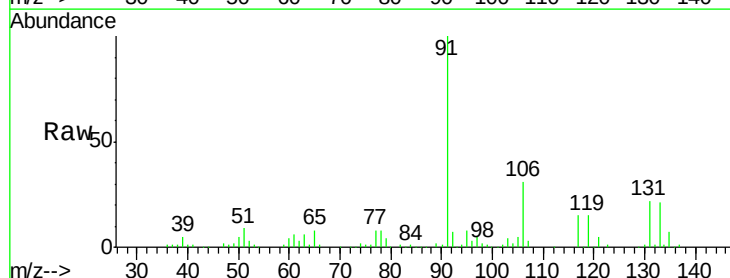
Tgt Ion:131 Resp: 43225

Ion Ratio Lower Upper

131 100

133 98.7 47.5 142.5

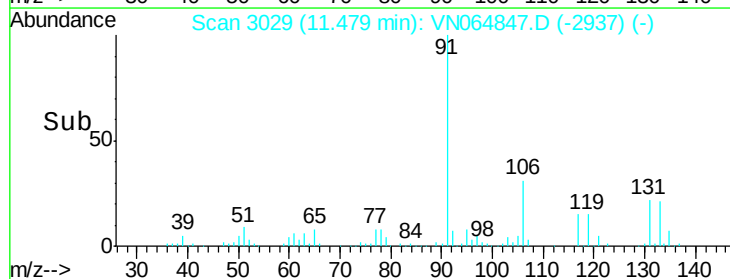
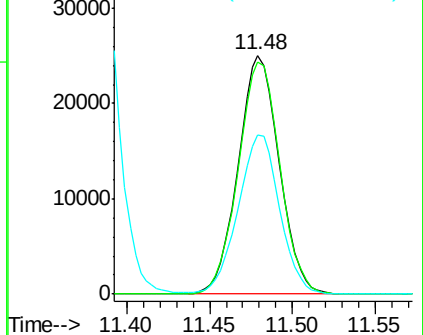
119 67.3 33.3 99.8

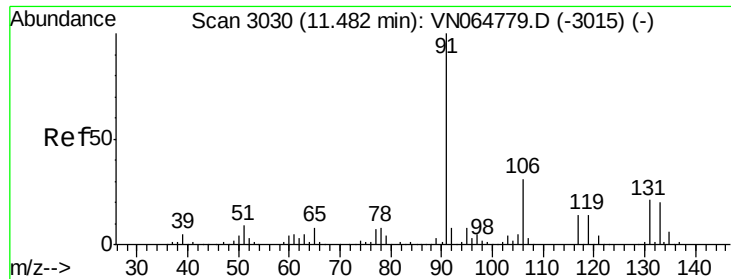


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





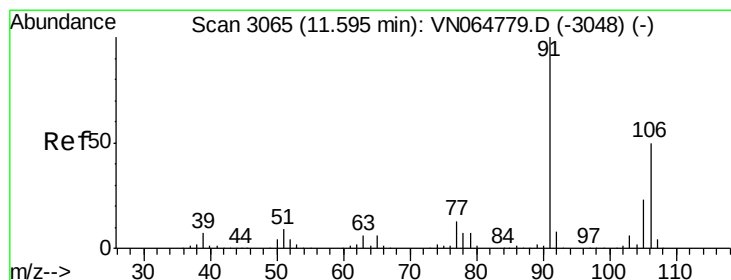
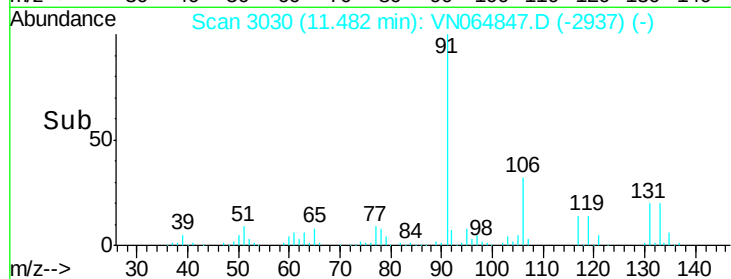
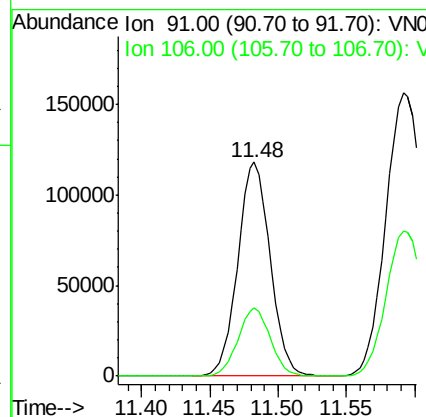
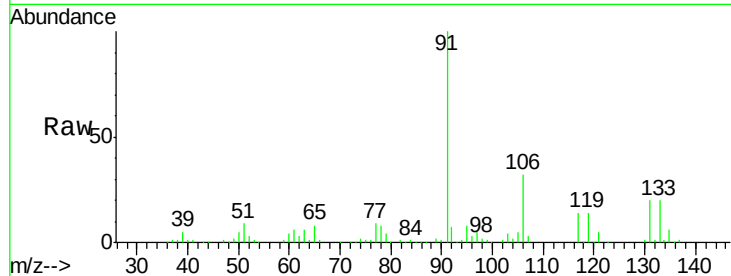
#67
Ethyl Benzene
Concen: 18.416 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064847.D
Acq: 25 Nov 2020 11:00

Instrument :
MSVOA_N
ClientSampleId :
VN1125WBS01

Tot Ion: 91 Resp: 194738
Ion Ratio Lower Upper
91 100
106 31.7 25.2 37.8

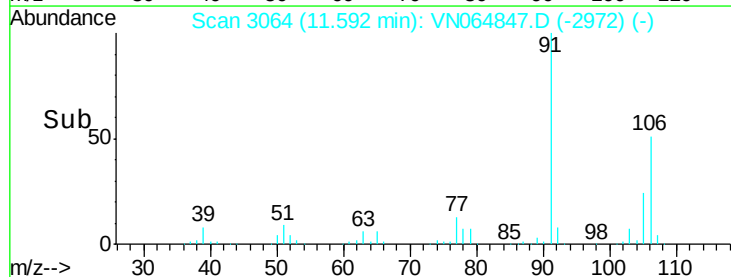
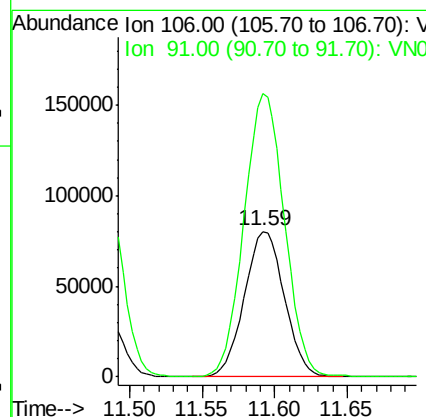
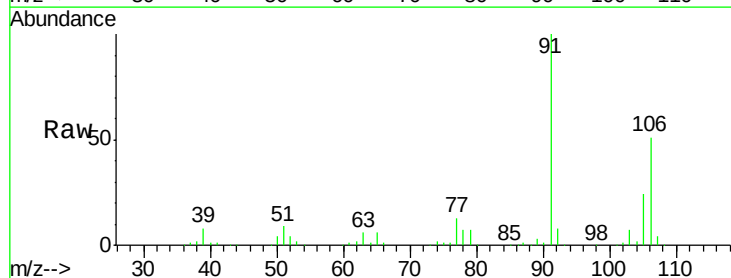
Manual Integrations
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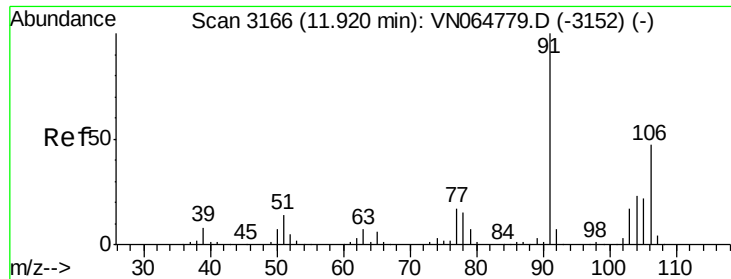
SAM
11/27/2020 1:37:15 PM



#68
m/p-Xylenes
Concen: 38.447 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. -0.00 min
Lab File: VN064847.D
Acq: 25 Nov 2020 11:00

Tgt Ion: 106 Resp: 153924
Ion Ratio Lower Upper
106 100
91 196.1 161.0 241.4





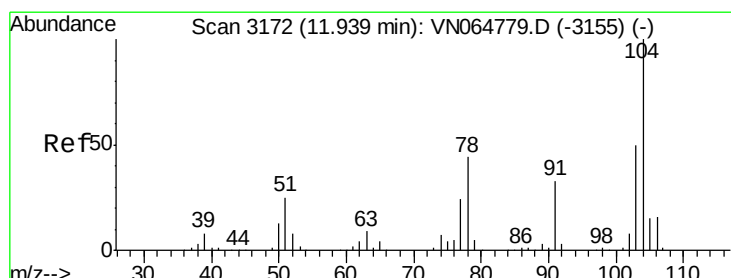
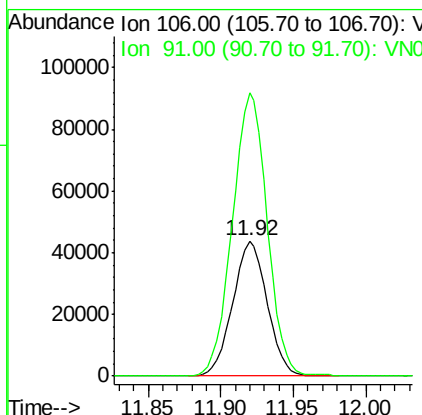
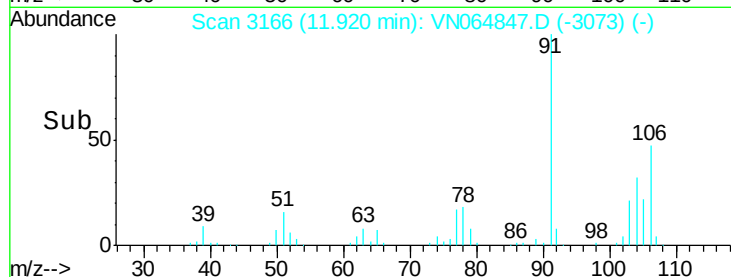
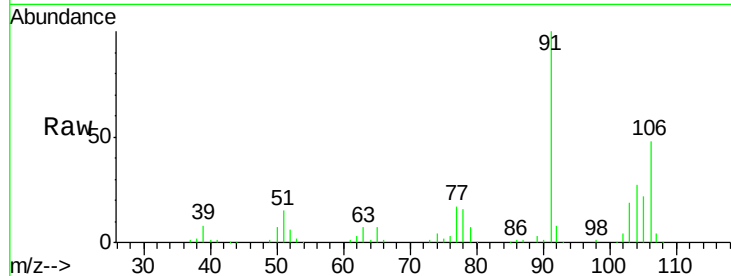
#69
o-Xylene
Concen: 18.988 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN064847.D
Acq: 25 Nov 2020 11:00

Instrument :
MSVOA_N
ClientSampled :
VN1125WBS01

Tot Ion:106 Resp: 72140
Ion Ratio Lower Upper
106 100
91 211.3 105.5 316.5

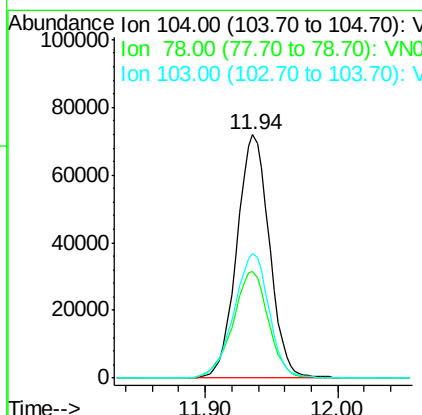
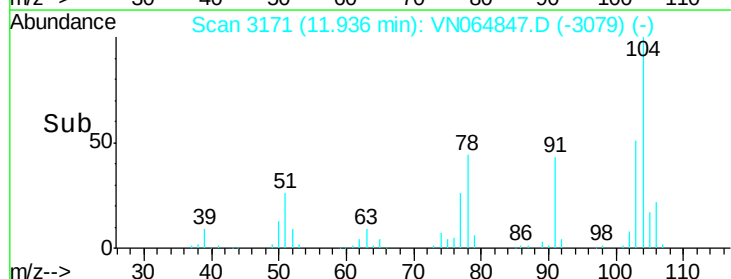
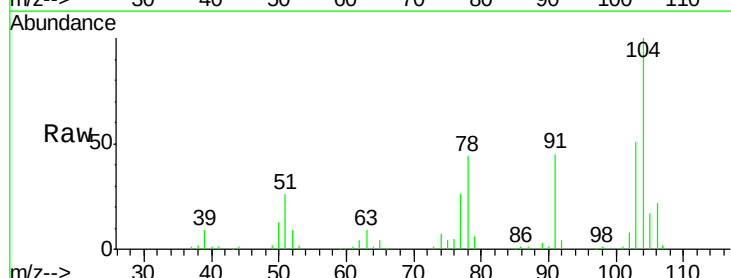
Manual Integrations
APPROVED

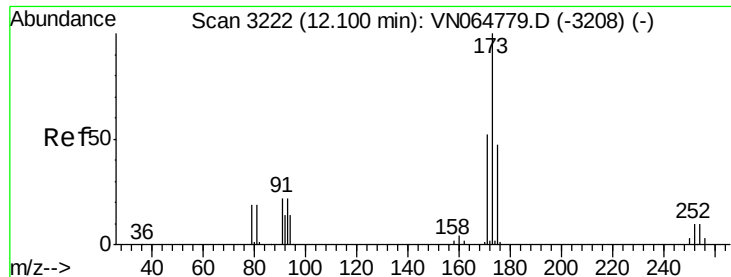
SAM
11/27/2020 1:37:15 PM



#70
Styrene
Concen: 19.165 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064847.D
Acq: 25 Nov 2020 11:00

Tgt Ion:104 Resp: 122917
Ion Ratio Lower Upper
104 100
78 47.7 39.0 58.6
103 55.1 44.3 66.5





#71

Bromoform

Concen: 16.895 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN064847.D

Acq: 25 Nov 2020 11:00

Instrument :

MSVOA_N

ClientSampleId :

VN1125WBS01

Tot Ion:173 Resp: 31390

Ion Ratio Lower Upper

173 100

175 50.7 24.3 72.8

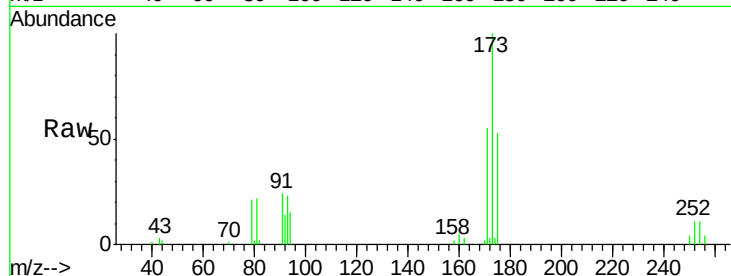
254 0.0 0.0 0.0

Manual Integrations

APPROVED

SAM

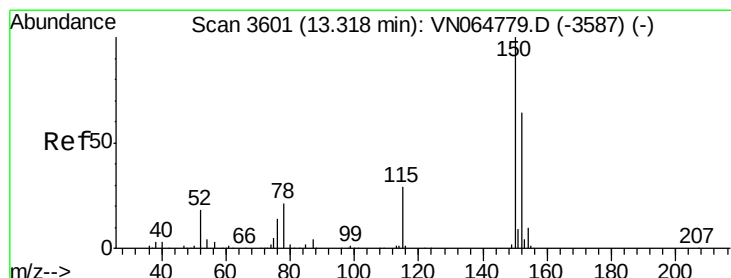
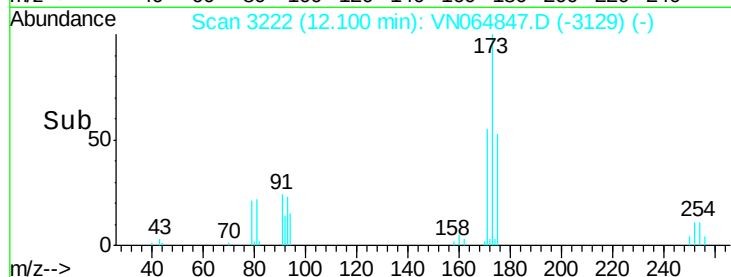
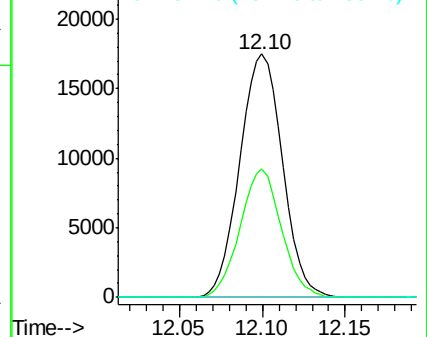
11/27/2020 1:37:15 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN064847.D

Acq: 25 Nov 2020 11:00

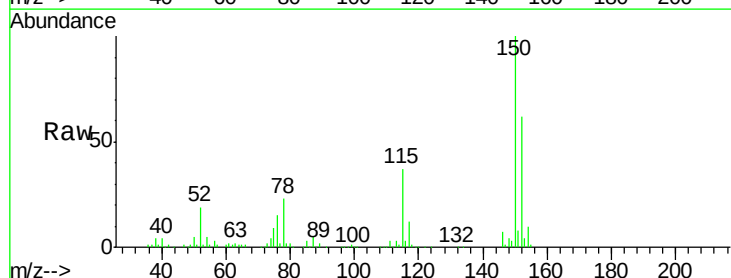
Tgt Ion:152 Resp: 140203

Ion Ratio Lower Upper

152 100

115 59.0 29.7 89.1

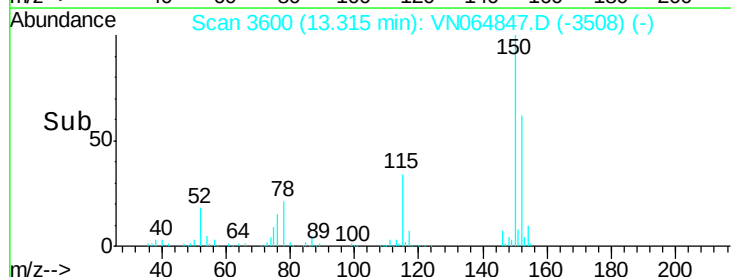
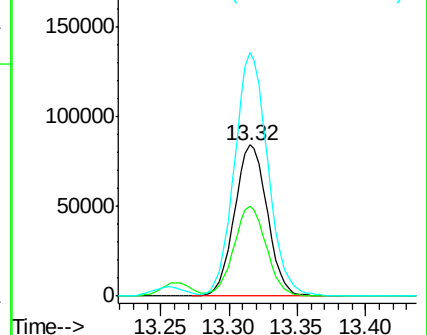
150 164.3 0.0 350.6

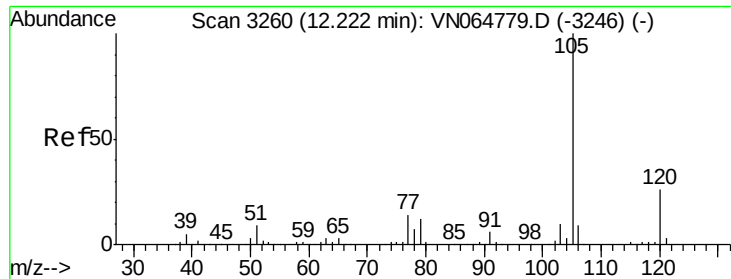


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.947 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN064847.D

Acq: 25 Nov 2020 11:00

Instrument :

MSVOA_N

ClientSampleId :

VN1125WBS01

Tot Ion: 105 Resp: 194526

Ion Ratio Lower Upper

105 100

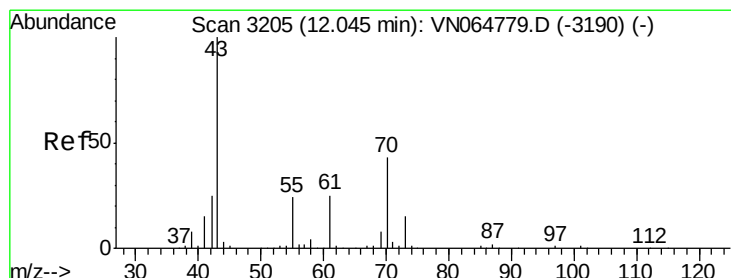
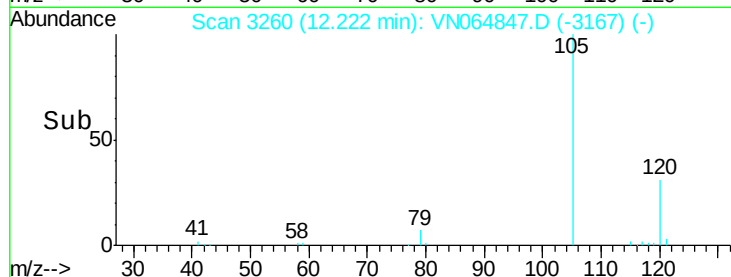
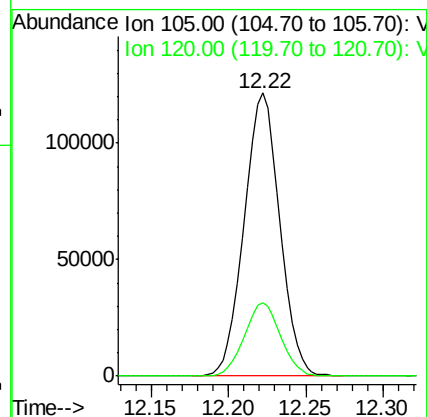
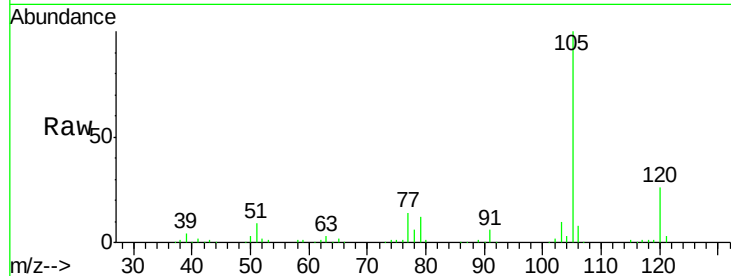
120 26.3 13.3 39.9

Manual Integrations

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SAM

11/27/2020 1:37:15 PM



#74

N-ethyl acetate

Concen: 17.847 ug/l

RT: 12.04 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VN064847.D

Acq: 25 Nov 2020 11:00

Tgt Ion: 43 Resp: 68494

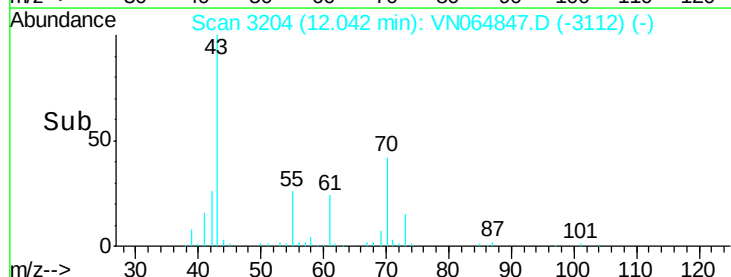
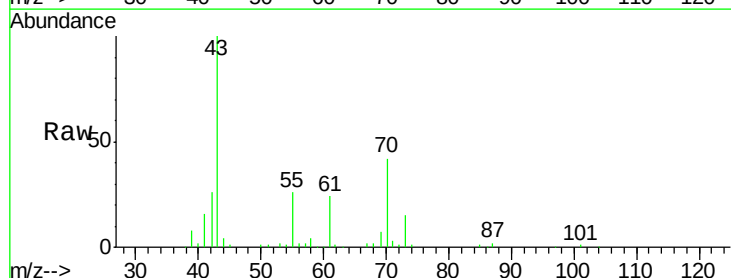
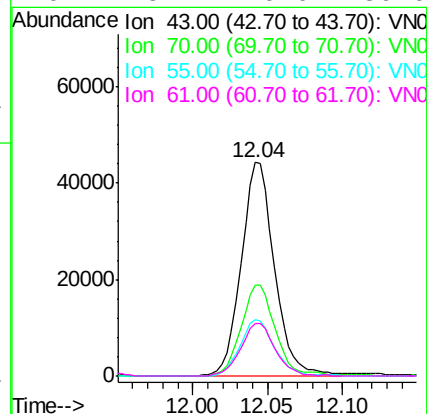
Ion Ratio Lower Upper

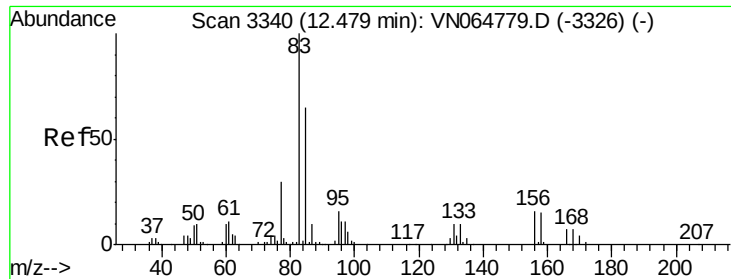
43 100

70 43.8 34.5 51.7

55 27.0 20.4 30.6

61 25.1 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.374 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN064847.D

Acq: 25 Nov 2020 11:00

Instrument :

MSVOA_N

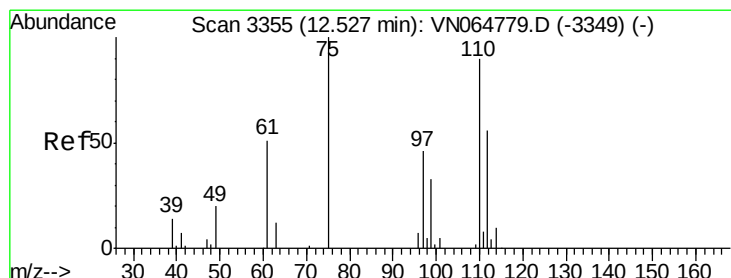
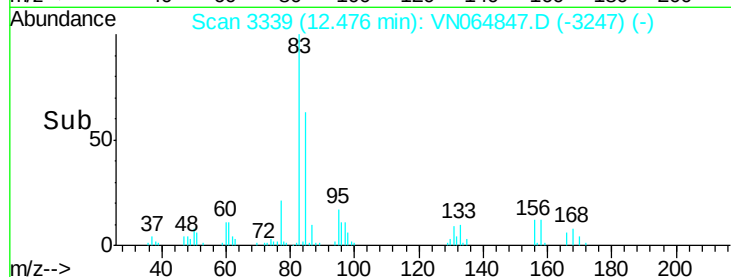
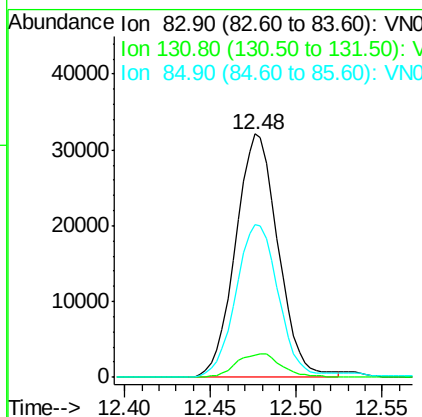
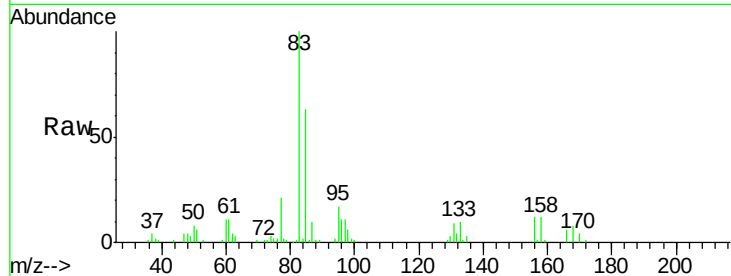
ClientSampleId :

VN1125WBS01

Tot Ion:	83	Resp:	55379
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.1	15.3
85	62.3	33.0	99.0

Manual Integrations
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SAM
11/27/2020 1:37:15 PM



#76

1,2,3-Trichloropropane

Concen: 19.224 ug/l m

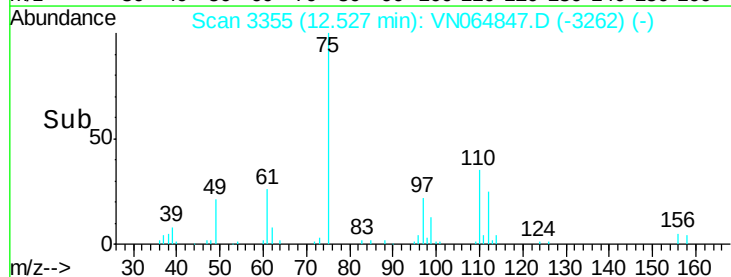
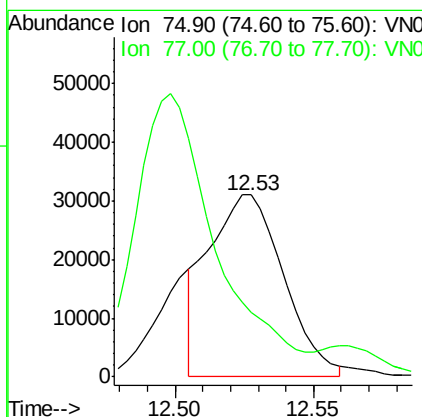
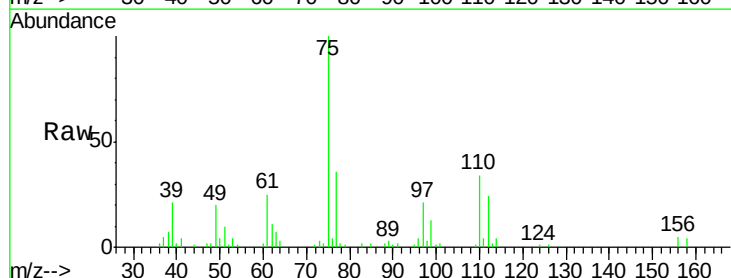
RT: 12.53 min Scan# 3355

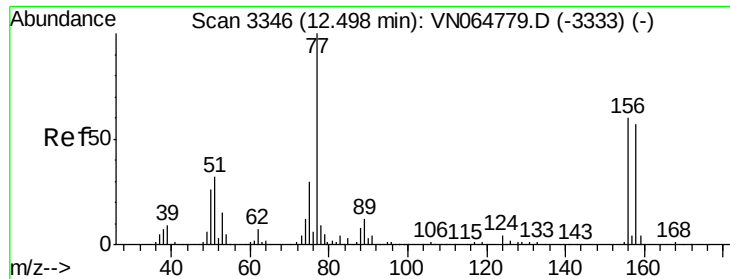
Delta R.T. 0.00 min

Lab File: VN064847.D

Acq: 25 Nov 2020 11:00

Tgt Ion:	75	Resp:	58044
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.003 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064847.D

Acq: 25 Nov 2020 11:00

Instrument :

MSVOA_N

ClientSampleId :

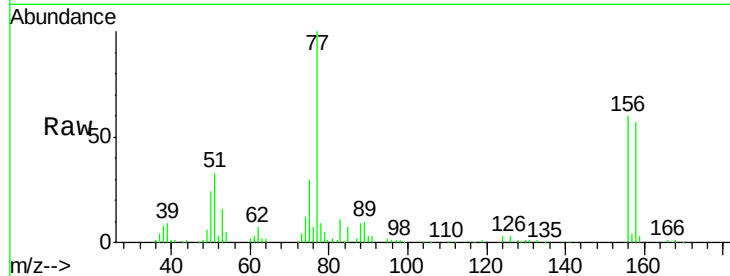
VN1125WBS01

Tot Ion:	156	Resp:	49961
Ion	Ratio	Lower	Upper
156	100		
77	198.0	101.3	303.7
158	96.6	48.2	144.6

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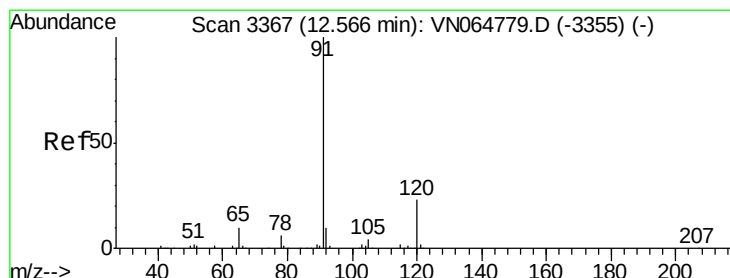
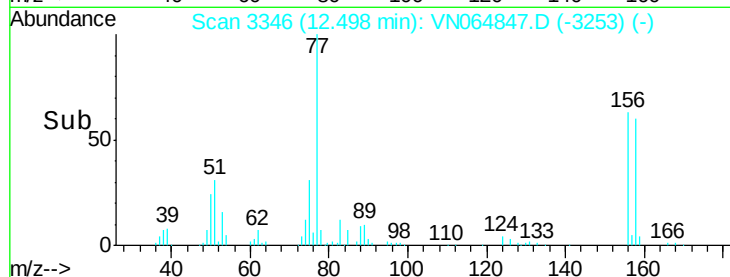
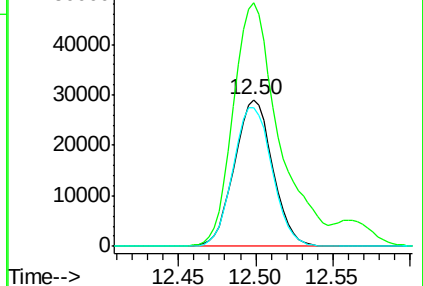
11/27/2020 1:37:15 PM



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: 19.369 ug/l

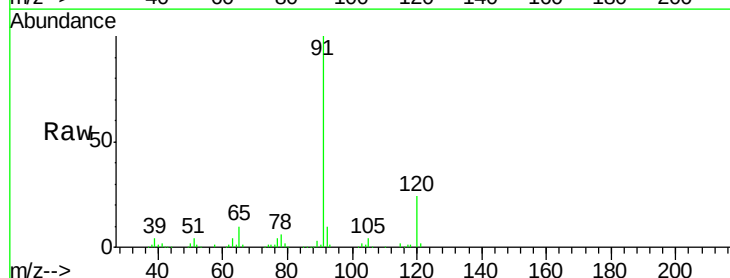
RT: 12.56 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN064847.D

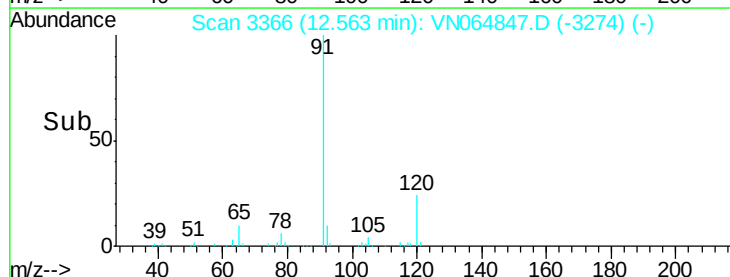
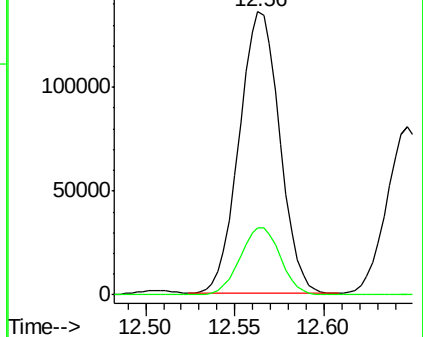
Acq: 25 Nov 2020 11:00

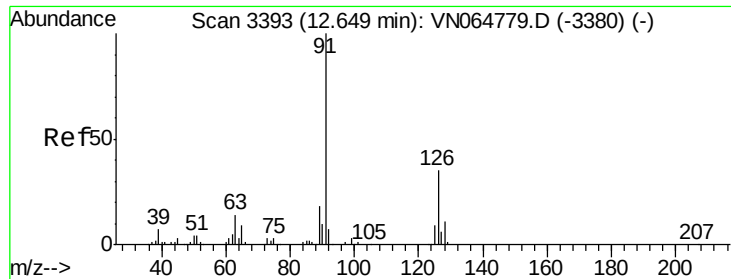
Tgt Ion:	91	Resp:	215183
Ion	Ratio	Lower	Upper
91	100		
120	23.8	11.6	34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.111 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN064847.D

Acq: 25 Nov 2020 11:00

Instrument :

MSVOA_N

ClientSampleId :

VN1125WBS01

Tot Ion: 91 Resp: 131244

Ion Ratio Lower Upper

91 100

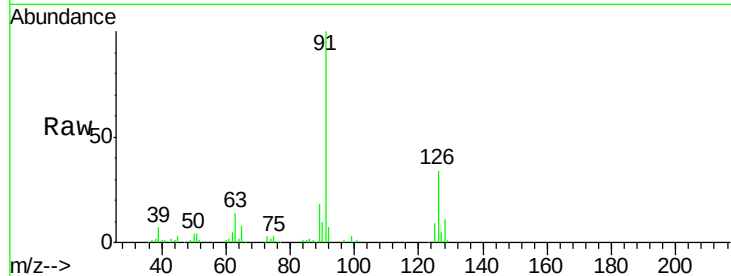
126 34.5 17.2 51.6

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN064847.D (-3392) (-)

Ion 125.90 (125.60 to 126.60): VN064847.D (-3392) (-)

100000

80000

60000

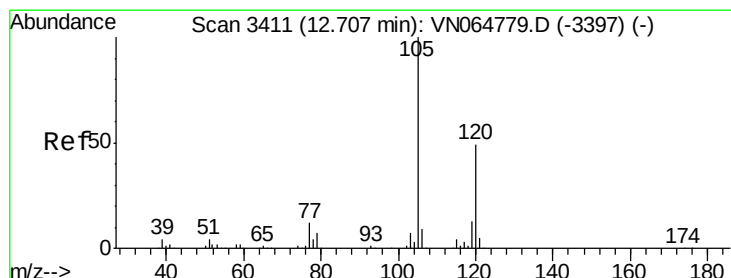
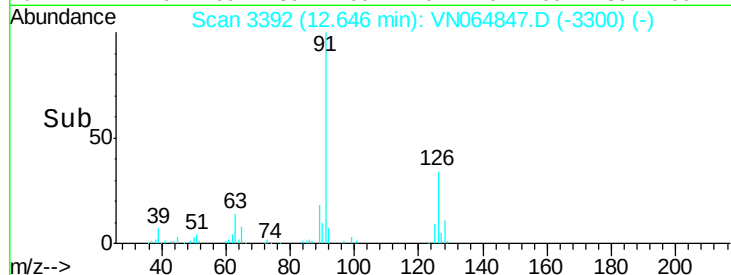
40000

20000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.118 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064847.D

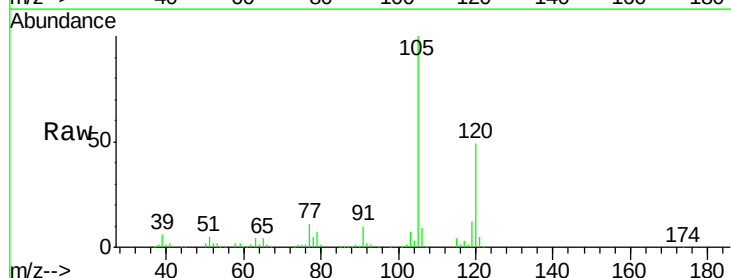
Acq: 25 Nov 2020 11:00

Tgt Ion: 105 Resp: 163074

Ion Ratio Lower Upper

105 100

120 48.6 24.6 73.6



Abundance Ion 105.00 (104.70 to 105.70): VN064847.D (-3411) (-)

Ion 120.00 (119.70 to 120.70): VN064847.D (-3411) (-)

120000

100000

80000

60000

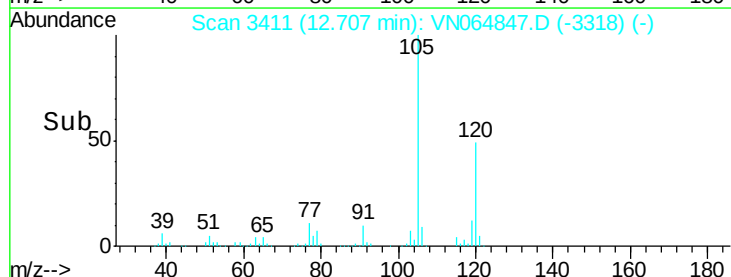
40000

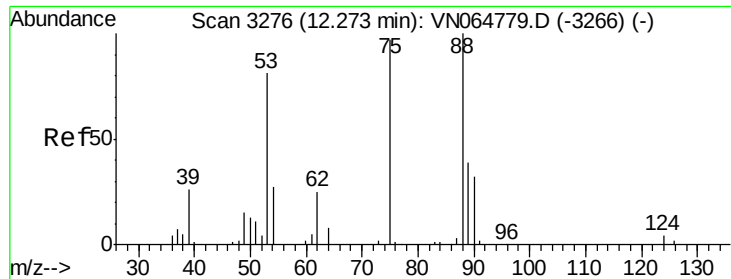
20000

0

12.65 12.70 12.75 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 16.826 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN064847.D

Acq: 25 Nov 2020 11:00

Instrument :

MSVOA_N

ClientSampleId :

VN1125WBS01

Tot Ion: 75 Resp: 18537

Ion Ratio Lower Upper

75 100

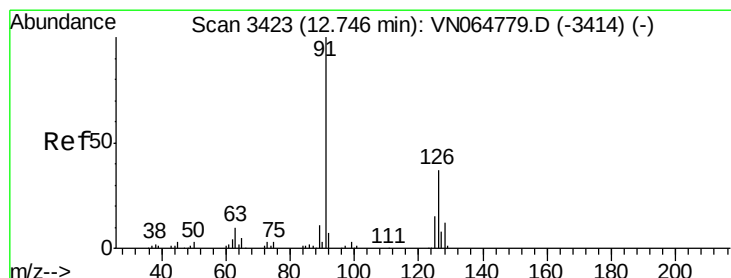
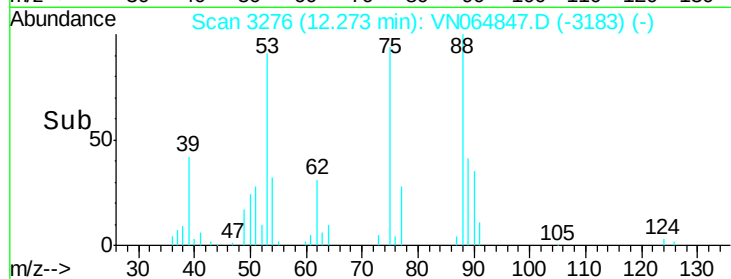
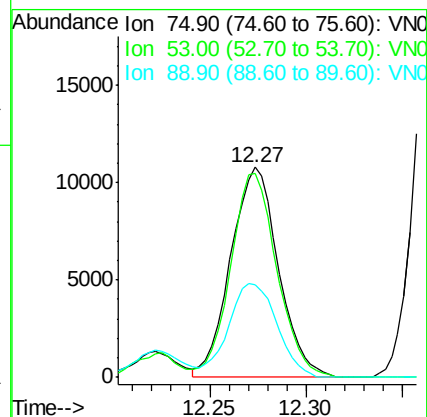
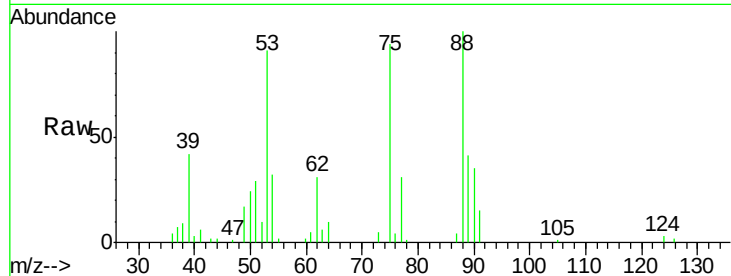
53 94.2 67.0 100.4

89 45.3 39.6 59.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 18.931 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN064847.D

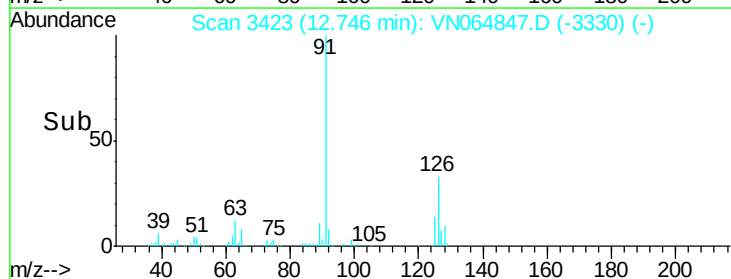
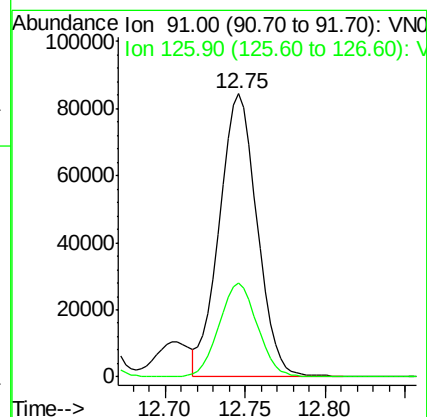
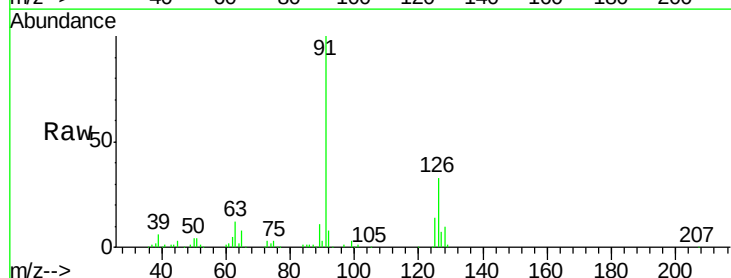
Acq: 25 Nov 2020 11:00

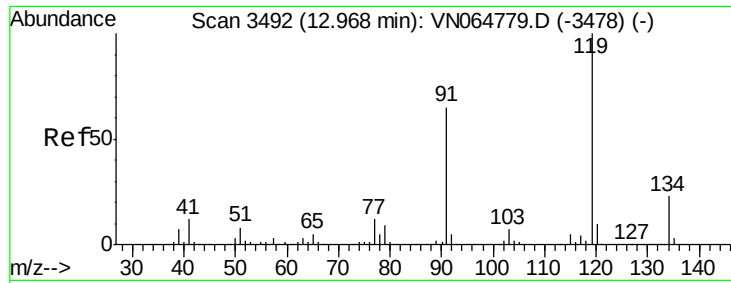
Tgt Ion: 91 Resp: 136267

Ion Ratio Lower Upper

91 100

126 34.0 16.9 50.7





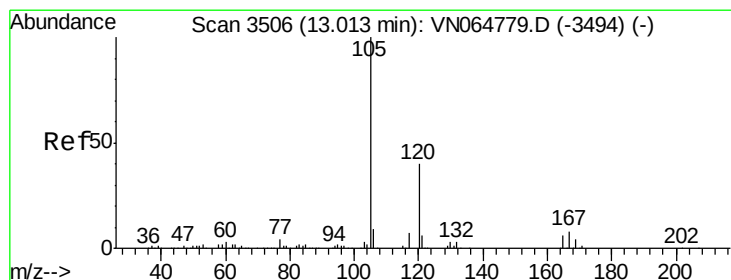
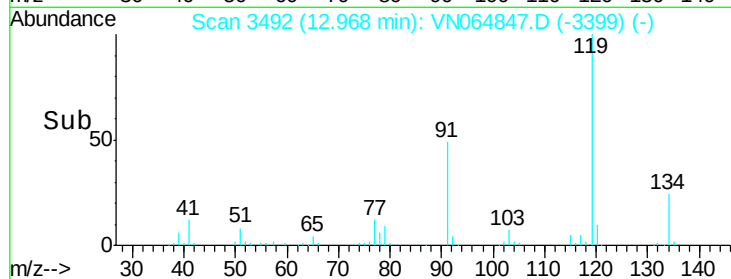
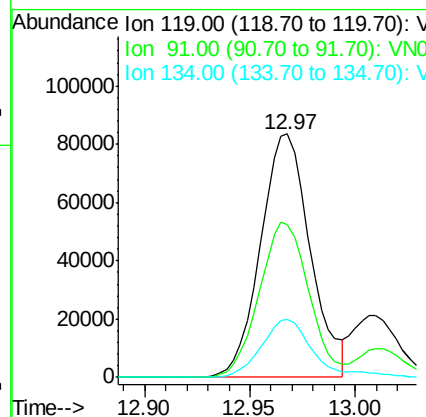
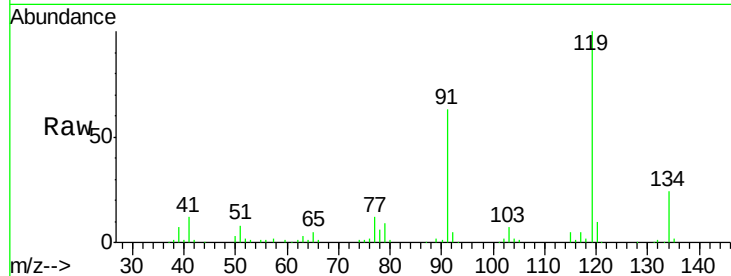
#83
 tert-Butylbenzene
 Concen: 20.205 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. 0.00 min
 Lab File: VN064847.D
 Acq: 25 Nov 2020 11:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1125WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.3	32.3	96.8
134	24.9	12.6	37.6

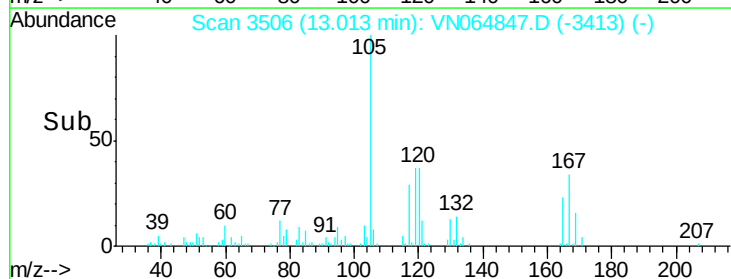
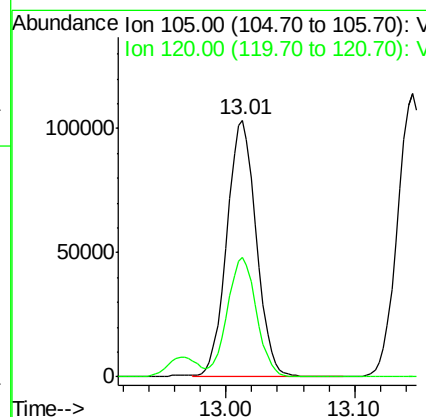
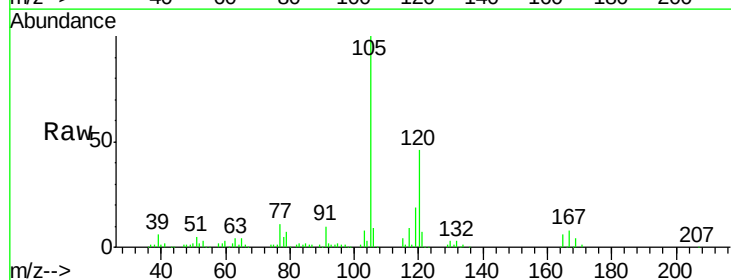
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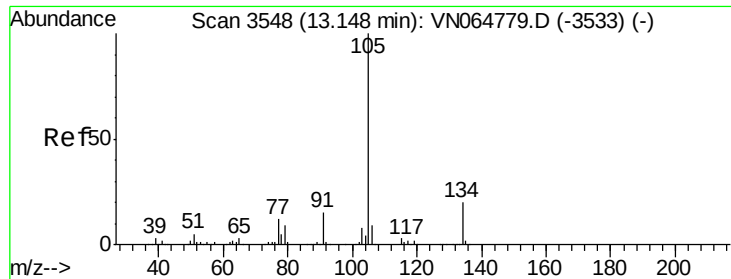
SAM
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.967 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN064847.D
 Acq: 25 Nov 2020 11:00

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.2	23.1	69.2





#85

sec-Butylbenzene

Concen: 19.856 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064847.D

Acq: 25 Nov 2020 11:00

Instrument :

MSVOA_N

ClientSampled :

VN1125WBS01

Tot Ion:105 Resp: 179123

Ion Ratio Lower Upper

105 100

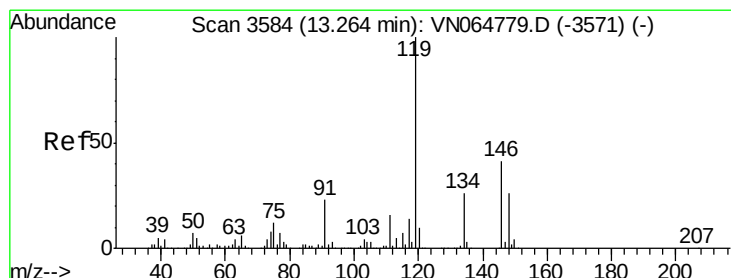
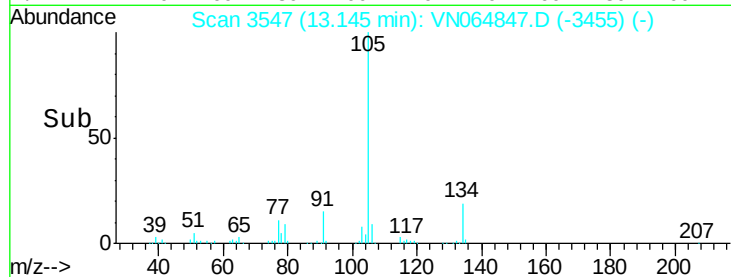
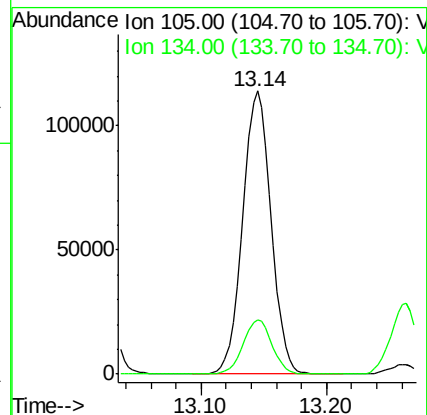
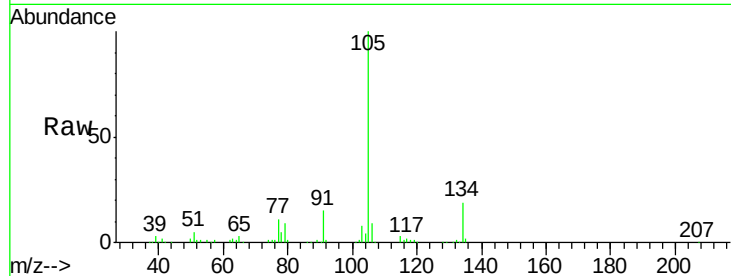
134 19.4 10.1 30.1

Manual Integrations

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SAM

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#86

p-Isopropyltoluene

Concen: 20.030 ug/l

RT: 13.26 min Scan# 3583

Delta R.T. -0.00 min

Lab File: VN064847.D

Acq: 25 Nov 2020 11:00

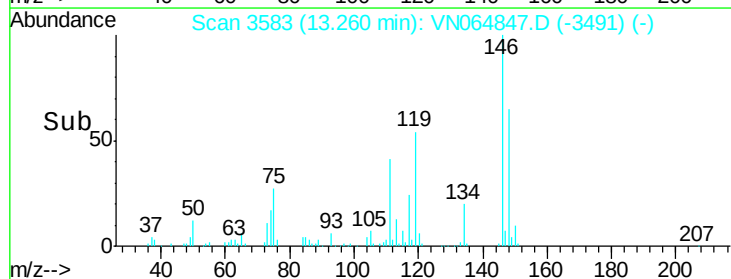
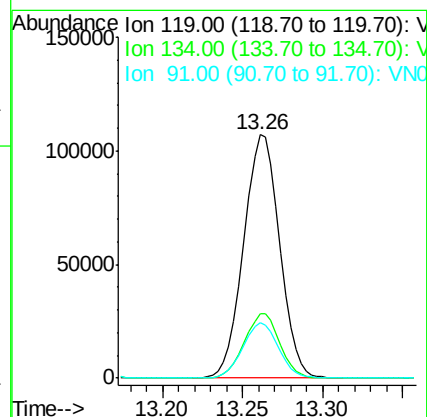
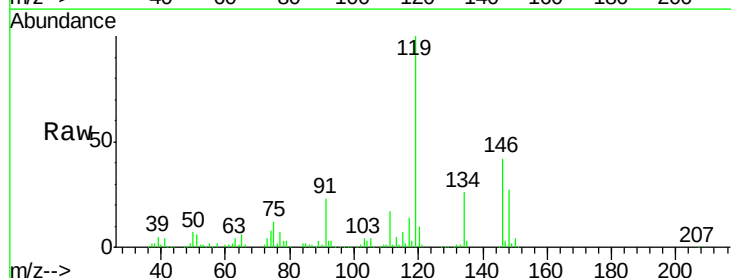
Tgt Ion:119 Resp: 164510

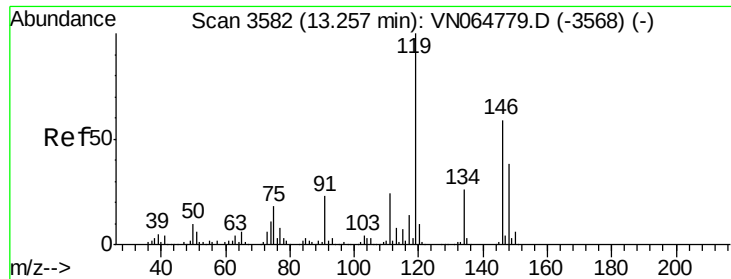
Ion Ratio Lower Upper

119 100

134 26.1 13.1 39.1

91 22.9 11.5 34.5





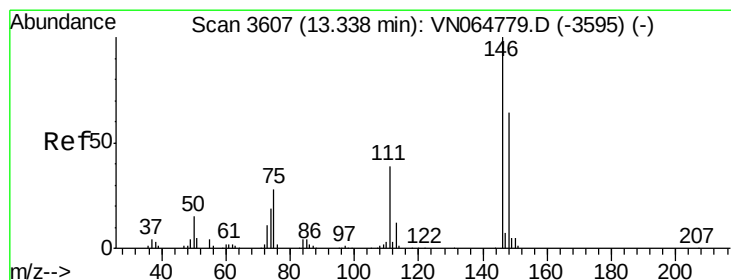
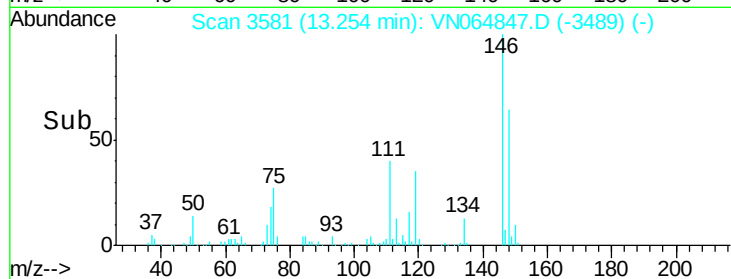
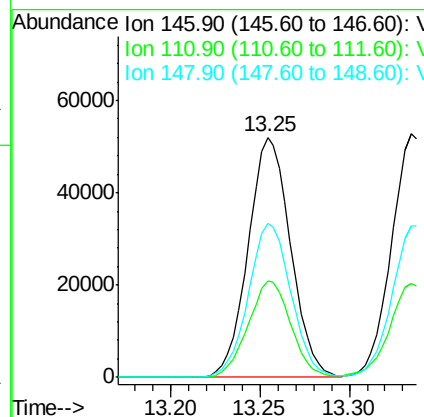
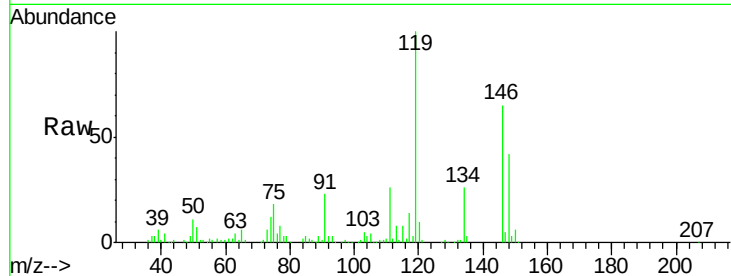
#87
 1,3-Dichlorobenzene
 Concen: 18.474 ug/l
 RT: 13.25 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN064847.D
 Acq: 25 Nov 2020 11:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1125WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.6	61.9
148	64.4	31.9	95.5

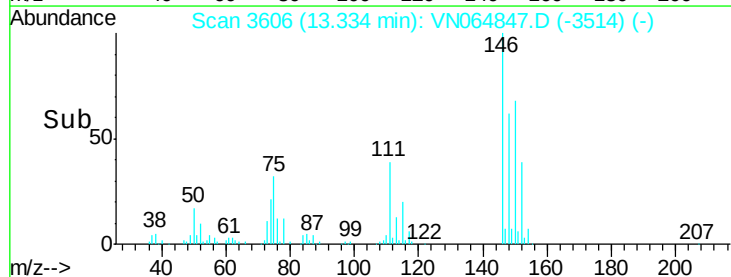
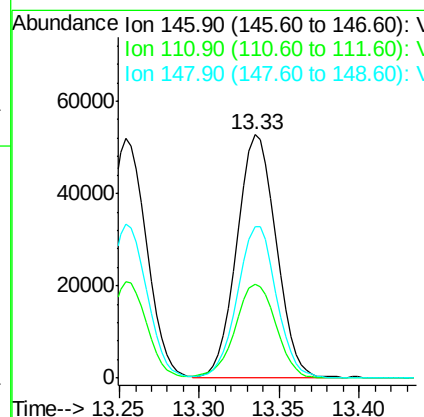
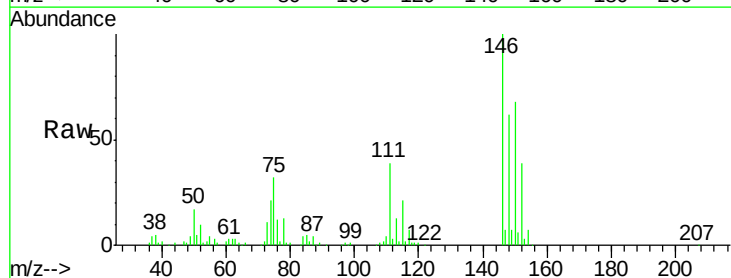
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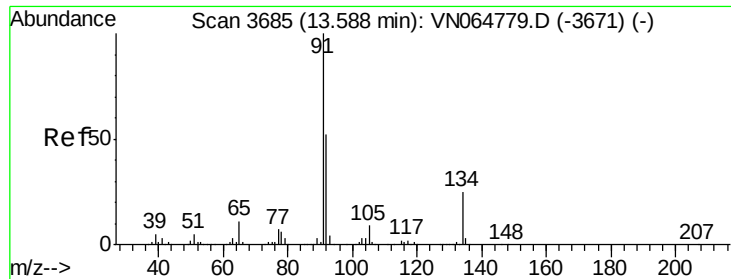
SAM
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#88
 1,4-Dichlorobenzene
 Concen: 17.770 ug/l
 RT: 13.33 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN064847.D
 Acq: 25 Nov 2020 11:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	19.8	59.3
148	62.6	31.9	95.5





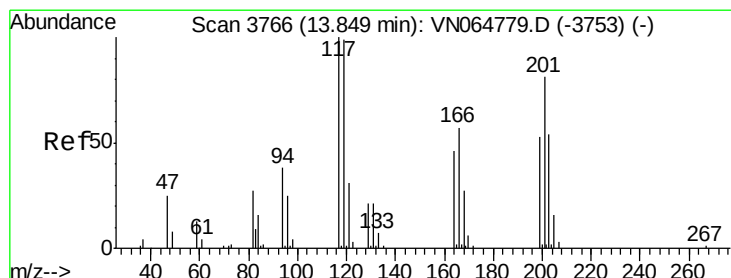
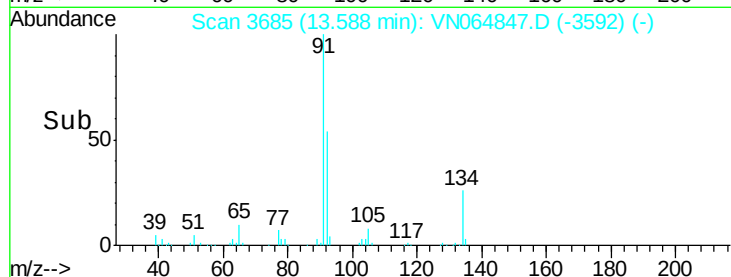
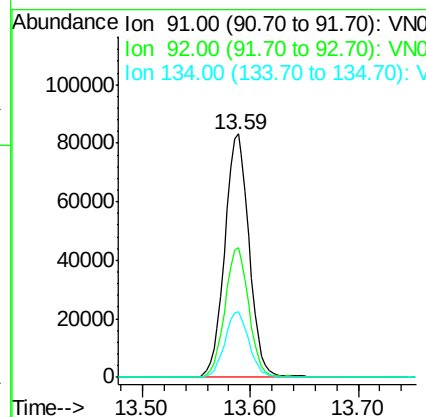
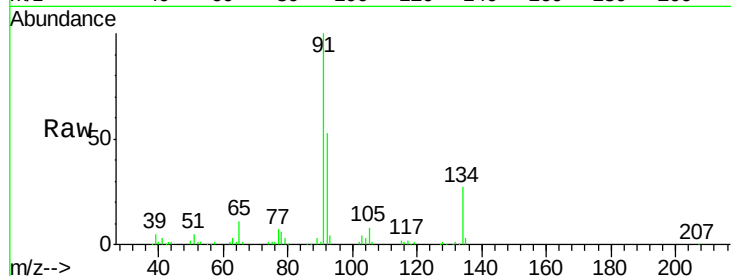
#89
n-Butylbenzene
Concen: 18.150 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN064847.D
Acq: 25 Nov 2020 11:00

Instrument :
MSVOA_N
ClientSampleId :
VN1125WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.0	78.0
134	26.6	12.9	38.6

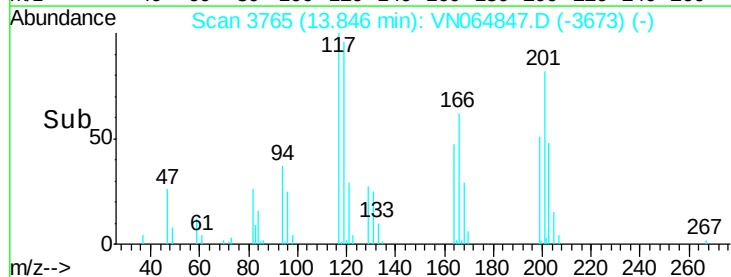
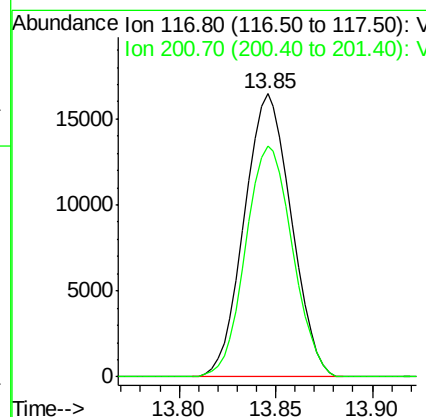
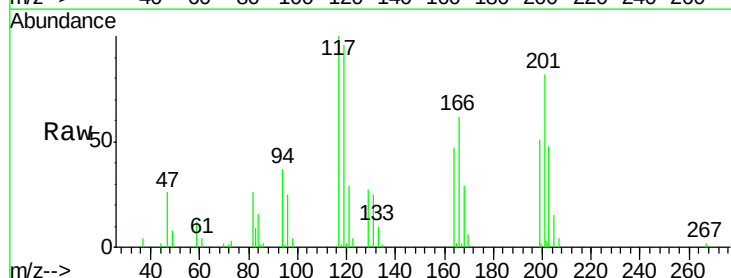
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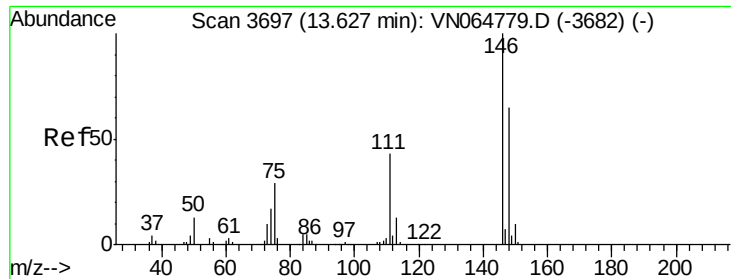
SAM
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#90
Hexachloroethane
Concen: 19.508 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN064847.D
Acq: 25 Nov 2020 11:00

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.3	40.1	120.3





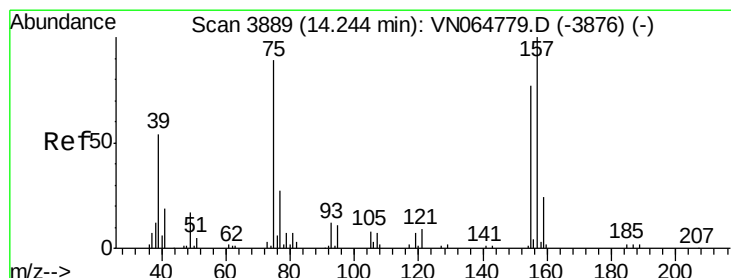
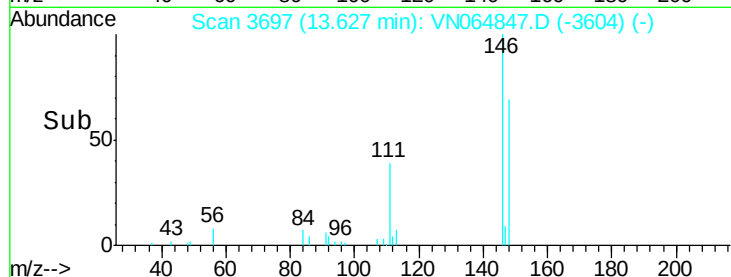
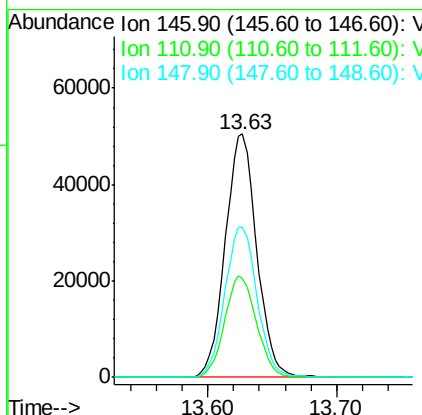
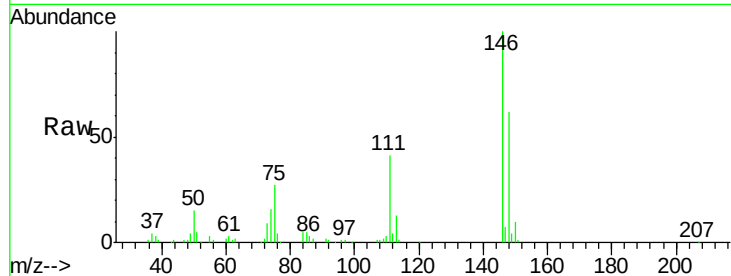
#91
 1,2-Dichlorobenzene
 Concen: 18.636 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064847.D
 Acq: 25 Nov 2020 11:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1125WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	21.1	63.1
148	63.2	32.0	96.2

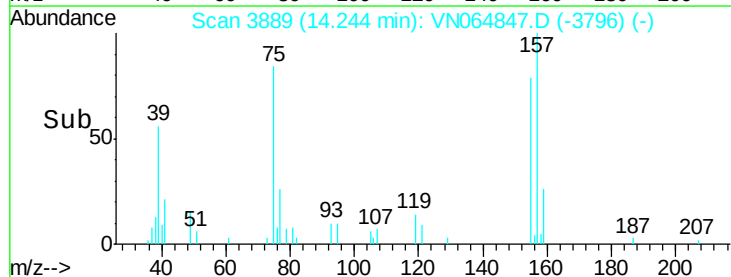
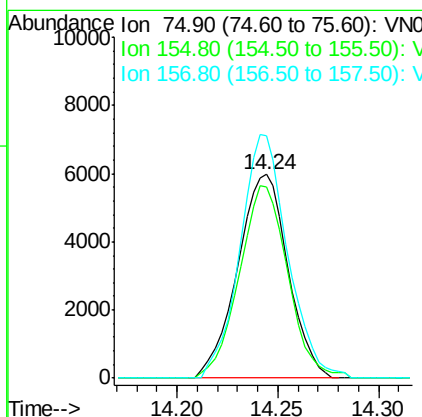
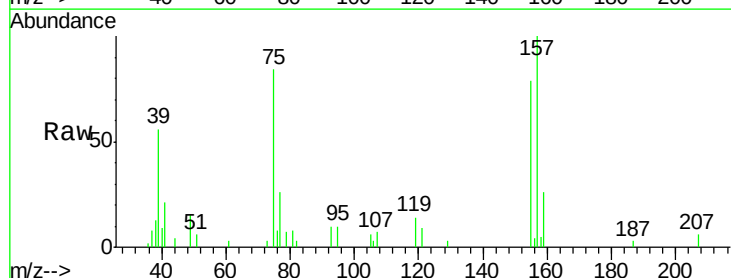
Manual Integrations
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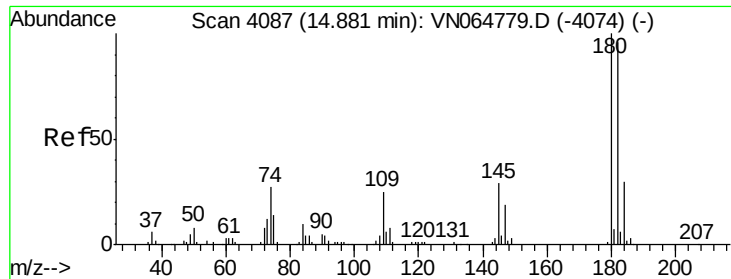
SAM
 11/27/2020 1:37:15 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.242 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN064847.D
 Acq: 25 Nov 2020 11:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.1	42.8	128.3
157	113.1	56.4	169.1





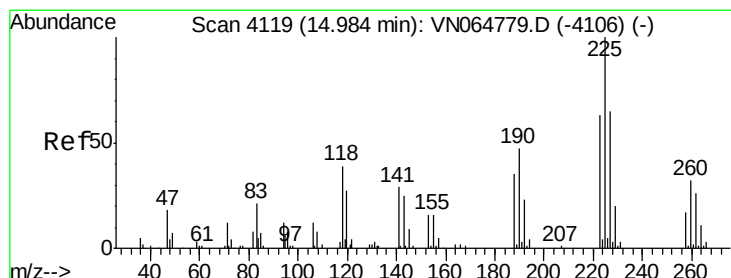
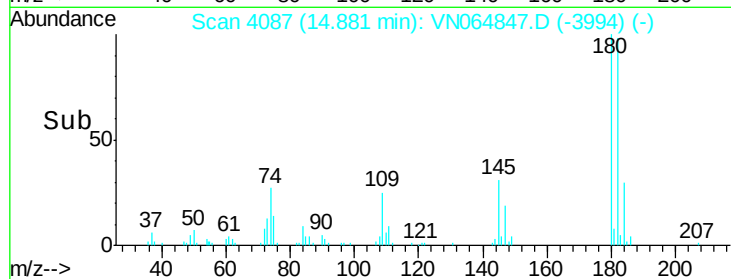
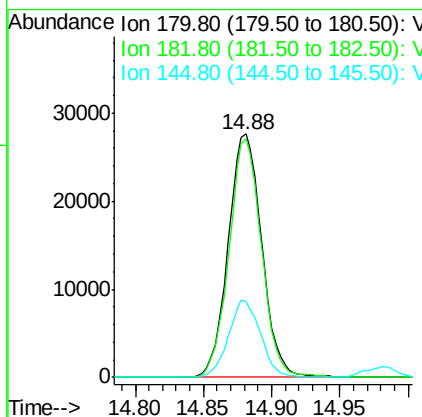
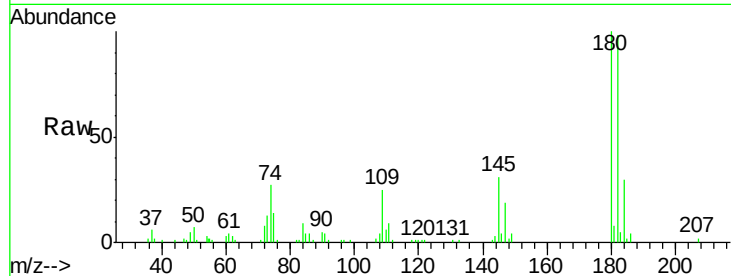
#93
 1,2,4-Trichlorobenzene
 Concen: 16.646 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN064847.D
 Acq: 25 Nov 2020 11:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1125WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.6	142.9
145	30.1	15.3	45.8

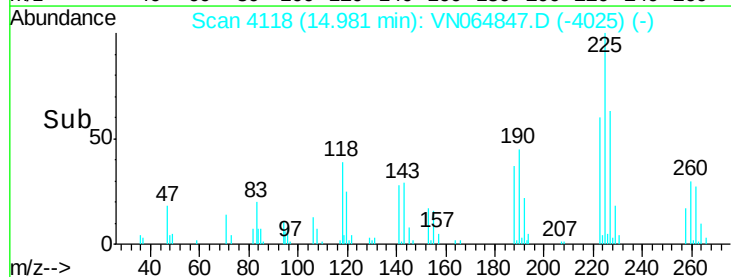
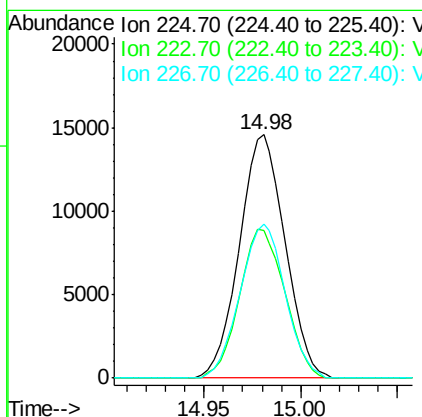
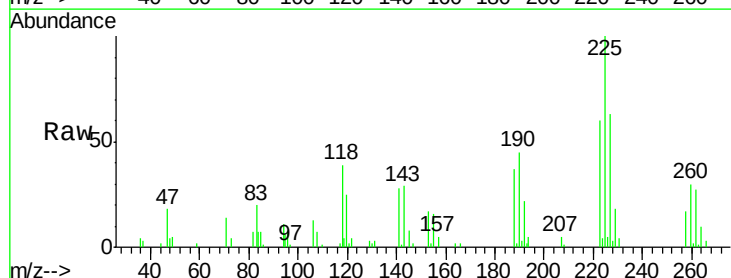
Manual Integrations
 APPROVED

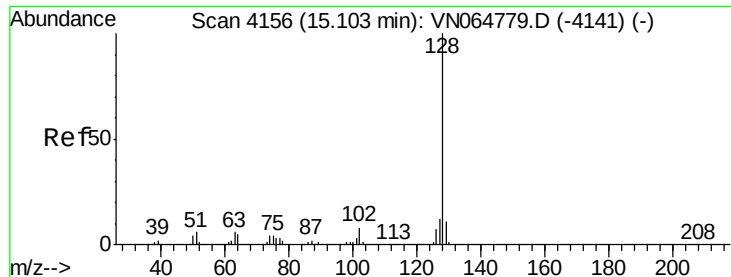
SAM
 11/27/2020 1:37:15 PM



#94
 Hexachlorobutadiene
 Concen: 18.954 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064847.D
 Acq: 25 Nov 2020 11:00

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.6	31.0	93.0
227	62.5	32.0	96.0





#95

Naphthalene

Concen: 16.150 ug/l

RT: 15.10 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN064847.D

Acq: 25 Nov 2020 11:00

Instrument :

MSVOA_N

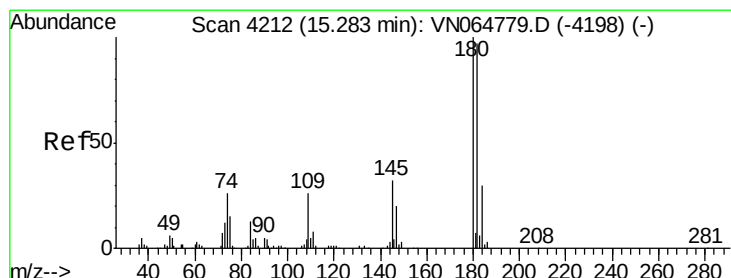
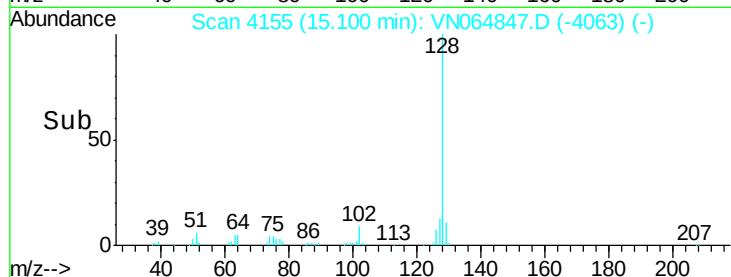
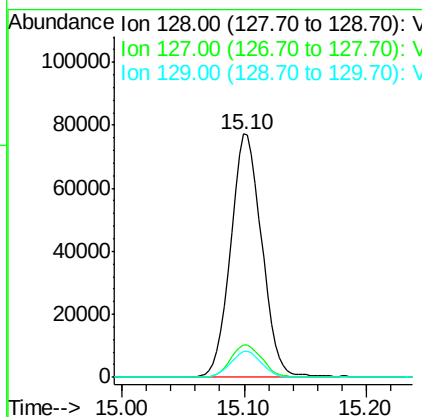
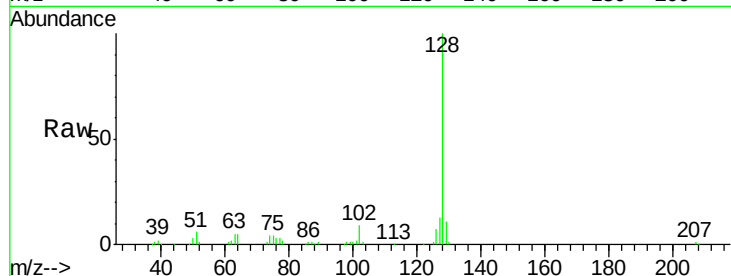
ClientSampleId :

VN1125WBS01

Tot Ion:	128	Resp:	137280
Ion Ratio	Lower	Upper	
128	100		
127	13.5	10.3	15.5
129	10.6	8.7	13.1

Manual Integrations
APPROVED

SAM
11/27/2020 1:37:15 PM



#96

1,2,3-Trichlorobenzene

Concen: 17.759 ug/l

RT: 15.28 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN064847.D

Acq: 25 Nov 2020 11:00

Tgt Ion:	180	Resp:	45393
Ion Ratio	Lower	Upper	
180	100		
182	96.9	48.1	144.4
145	31.7	16.4	49.1

