

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112320\
 Data File : VN064778.D
 Acq On : 23 Nov 2020 12:18
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 11/24/2020 3:01:08 PM

Quant Time: Nov 23 13:23:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 23 13:11:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	186742	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	290424	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	265051	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	128103	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	39802	12.97	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	25.94%#
35) Dibromofluoromethane	7.55	113	32873	19.72	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	39.44%#
50) Toluene-d8	10.06	98	129612	17.46	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	34.92%#
62) 4-Bromofluorobenzene	12.38	95	44411	16.18	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	32.36%#

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	29668	13.428	ug/l 97
3) Chloromethane	2.04	50	38433	15.396	ug/l 95
4) Vinyl Chloride	2.17	62	40103	15.458	ug/l 97
5) Bromomethane	2.54	94	27903	14.992	ug/l 100
6) Chloroethane	2.68	64	25017	14.476	ug/l 99
7) Trichlorofluoromethane	2.99	101	55740	12.359	ug/l 98
8) Diethyl Ether	3.37	74	22212	14.897	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	3.71	101	33210	16.350	ug/l 97
10) Methyl Iodide	3.91	142	42550	17.381	ug/l 99
11) Tert butyl alcohol	4.75	59	31076	96.671	ug/l 98
12) 1,1-Dichloroethene	3.69	96	33207	16.887	ug/l 96
13) Acrolein	3.56	56	17822	181.786	ug/l 93
14) Allyl chloride	4.28	41	53138	15.889	ug/l 99
15) Acrylonitrile	4.94	53	87782	94.115	ug/l 99
16) Acetone	3.78	43	65876	82.331	ug/l 98
17) Carbon Disulfide	4.01	76	88493	14.640	ug/l 100
18) Methyl Acetate	4.28	43	40431	16.540	ug/l 95
19) Methyl tert-butyl Ether	4.99	73	108312	16.635	ug/l 100
20) Methylene Chloride	4.50	84	40651	17.099	ug/l 97
21) trans-1,2-Dichloroethene	4.98	96	36493	16.686	ug/l 97
22) Diisopropyl ether	5.91	45	113862	16.221	ug/l 96
23) Vinyl Acetate	5.85	43	455452	80.604	ug/l 99
24) 1,1-Dichloroethane	5.79	63	67011	16.208	ug/l 99
25) 2-Butanone	6.79	43	110478	89.187	ug/l 98
26) 2,2-Dichloropropane	6.78	77	57688	14.936	ug/l 98
27) cis-1,2-Dichloroethene	6.78	96	42224	17.474	ug/l 97
28) Bromochloromethane	7.15	49	31391	15.162	ug/l 99
29) Tetrahydrofuran	7.17	42	77522	92.909	ug/l 99
30) Chloroform	7.33	83	68411	15.389	ug/l 100
31) Cyclohexane	7.62	56	53937	15.694	ug/l 96
32) 1,1,1-Trichloroethane	7.53	97	58956	14.578	ug/l 100
36) 1,1-Dichloropropene	7.75	75	50489	17.228	ug/l 99
37) Ethyl Acetate	6.88	43	49845	20.042	ug/l 98
38) Carbon Tetrachloride	7.73	117	52832	17.107	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	51923	19.354	ug/l	97
40) Benzene	8.00	78	154368	18.704	ug/l	99
41) Methacrylonitrile	7.13	41	24983	22.153	ug/l #	87
42) 1,2-Dichloroethane	8.09	62	53085	15.495	ug/l	98
43) Isopropyl Acetate	8.13	43	80024	16.857	ug/l	98
44) Trichloroethene	8.80	130	44248	18.471	ug/l	93
45) 1,2-Dichloropropane	9.09	63	40208	18.350	ug/l	99
46) Dibromomethane	9.18	93	27039	17.606	ug/l	98
47) Bromodichloromethane	9.37	83	53830	16.746	ug/l	99
48) Methyl methacrylate	9.17	41	37580	16.835	ug/l	99
49) 1,4-Dioxane	9.17	88	14010	464.227	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	246336	95.322	ug/l	97
52) Toluene	10.13	92	96064	18.961	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	58608	17.007	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	63828	17.750	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	38797	19.099	ug/l	97
56) Ethyl methacrylate	10.40	69	52753	18.605	ug/l	96
57) 1,3-Dichloropropane	10.68	76	64380	18.308	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	145634	93.177	ug/l	99
59) 2-Hexanone	10.72	43	176638	94.658	ug/l	96
60) Dibromochloromethane	10.87	129	42916	18.215	ug/l	100
61) 1,2-Dibromoethane	10.98	107	40336	18.579	ug/l	99
64) Tetrachloroethene	10.60	164	47712	20.120	ug/l	98
65) Chlorobenzene	11.41	112	104459	18.666	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	39718	18.904	ug/l	99
67) Ethyl Benzene	11.48	91	174616	17.791	ug/l	100
68) m/p-Xylenes	11.59	106	135012	38.061	ug/l	100
69) o-Xylene	11.92	106	65286	18.959	ug/l	100
70) Styrene	11.94	104	109512	18.782	ug/l	99
71) Bromoform	12.10	173	30040	20.368	ug/l #	97
73) Isopropylbenzene	12.22	105	169481	18.724	ug/l	100
74) N-amyl acetate	12.04	43	68252	16.569	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	49668	19.533	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	49939m	18.171	ug/l	
77) Bromobenzene	12.50	156	45362	19.713	ug/l	98
78) n-propylbenzene	12.57	91	191085	18.192	ug/l	99
79) 2-Chlorotoluene	12.65	91	116111	17.373	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	144731	19.269	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	18535	18.642	ug/l #	86
82) 4-Chlorotoluene	12.75	91	123101	17.351	ug/l	99
83) tert-Butylbenzene	12.97	119	116667	19.888	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	148138	19.372	ug/l	98
85) sec-Butylbenzene	13.15	105	156400	19.958	ug/l	100
86) p-Isopropyltoluene	13.26	119	145671	20.171	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	79856	19.134	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	79087	18.413	ug/l	98
89) n-Butylbenzene	13.59	91	119338	17.918	ug/l	99
90) Hexachloroethane	13.85	117	24141	20.051	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	77991	19.051	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	11133	17.004	ug/l	97

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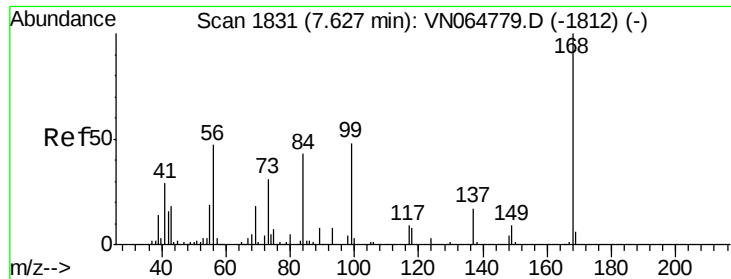
Manual Integrations
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11/24/2020 3:01:08 PM

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	45257	19.761	ug/l	100
94) Hexachlorobutadiene	14.98	225	21669	18.699	ug/l	98
95) Naphthalene	15.10	128	136162	18.778	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	43468	19.735	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VN064778.D

Acq: 23 Nov 2020 12:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 186742

Ion Ratio Lower Upper

168 100

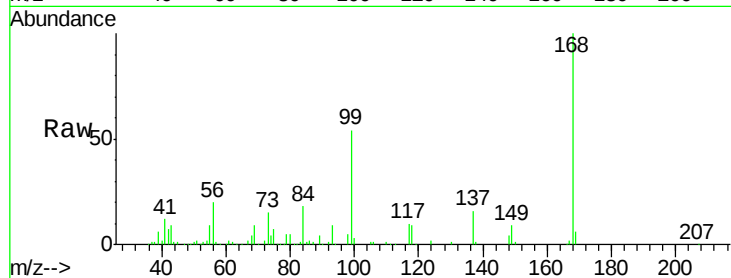
99 53.9 43.0 64.4

Manual Integrations

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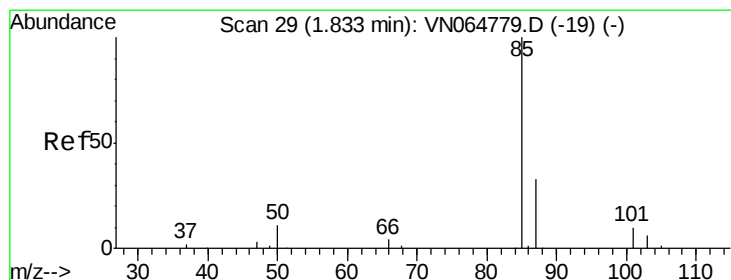
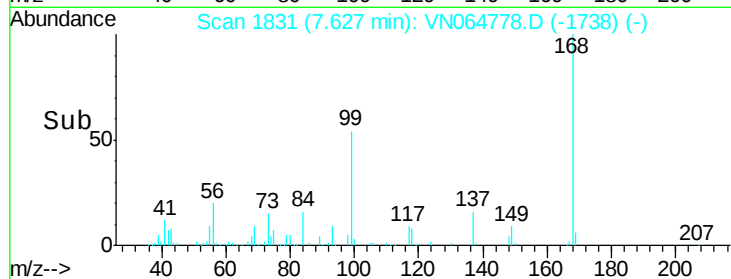
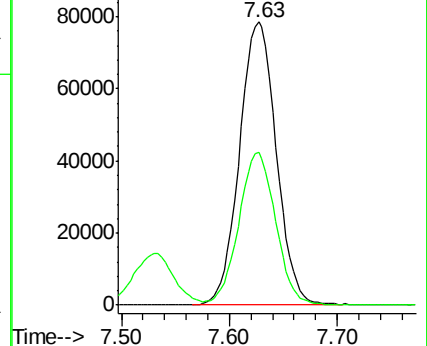
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 13.428 ug/l

RT: 1.83 min Scan# 29

Delta R.T. -0.00 min

Lab File: VN064778.D

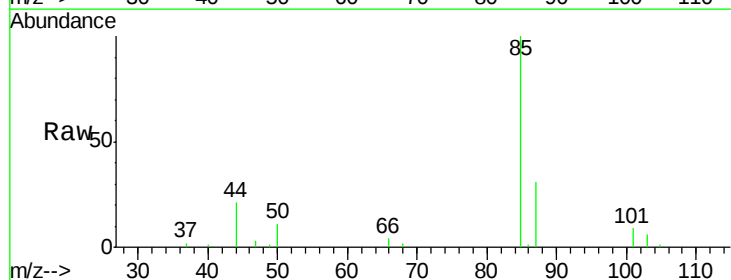
Acq: 23 Nov 2020 12:18

Tgt Ion: 85 Resp: 29668

Ion Ratio Lower Upper

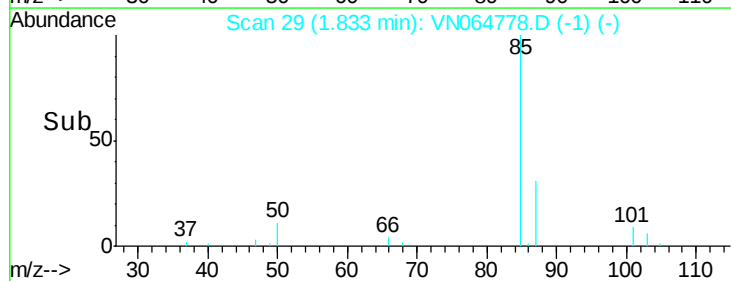
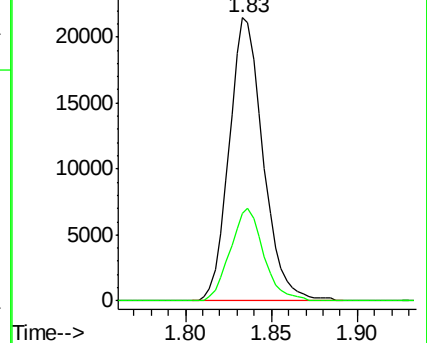
85 100

87 31.0 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 15.396 ug/l

RT: 2.04 min Scan# 93

Delta R.T. -0.00 min

Lab File: VN064778.D

Acq: 23 Nov 2020 12:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 38433

Ion Ratio Lower Upper

50 100

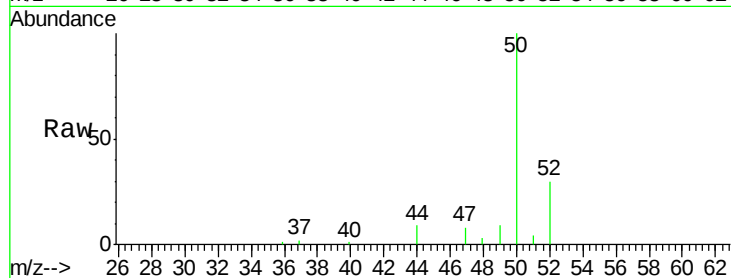
52 30.1 26.6 39.8

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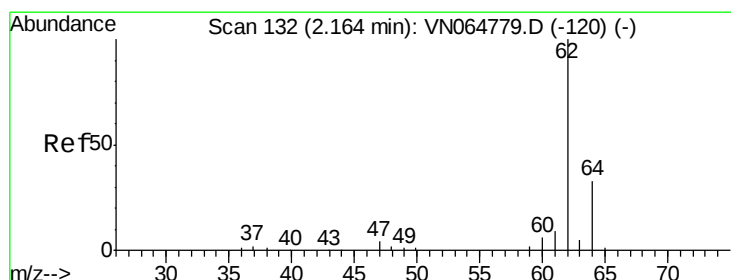
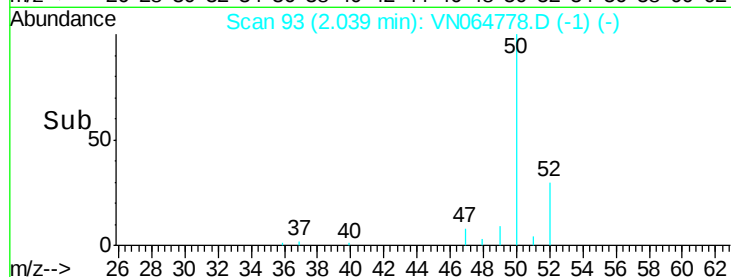
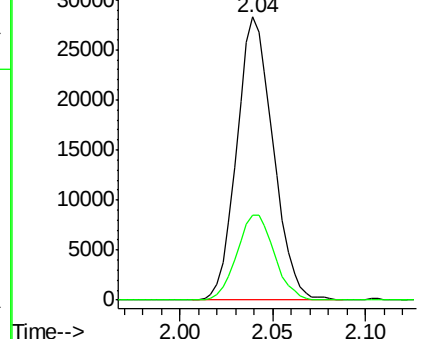
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 15.458 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN064778.D

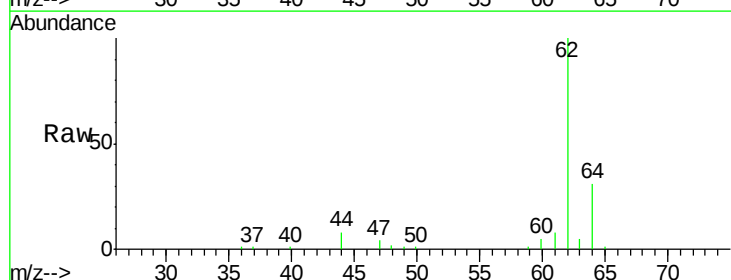
Acq: 23 Nov 2020 12:18

Tgt Ion: 62 Resp: 40103

Ion Ratio Lower Upper

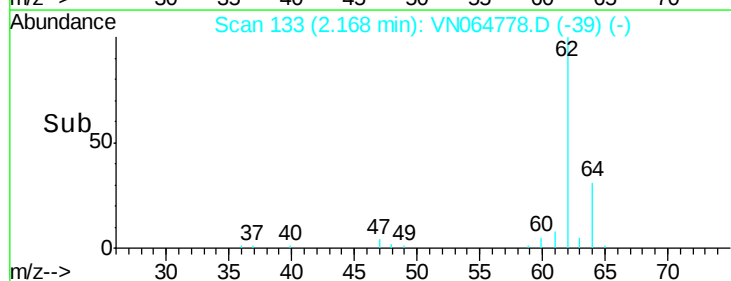
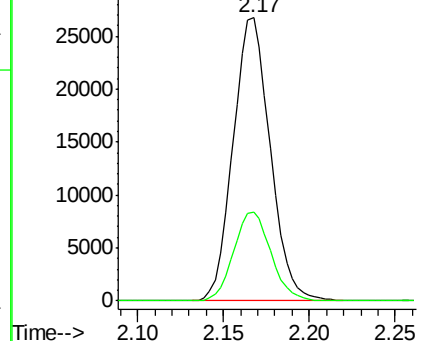
62 100

64 31.4 26.5 39.7



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 14.992 ug/l

RT: 2.54 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN064778.D

Acq: 23 Nov 2020 12:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 27903

Ion Ratio Lower Upper

94 100

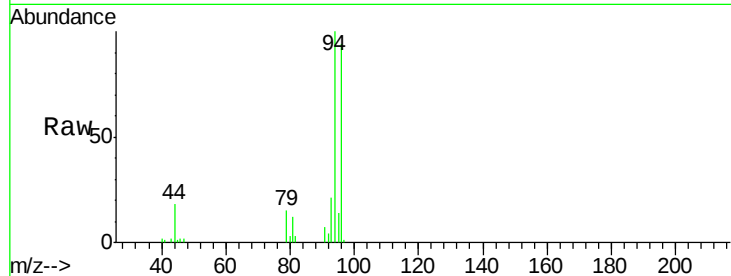
96 93.7 75.4 113.0

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

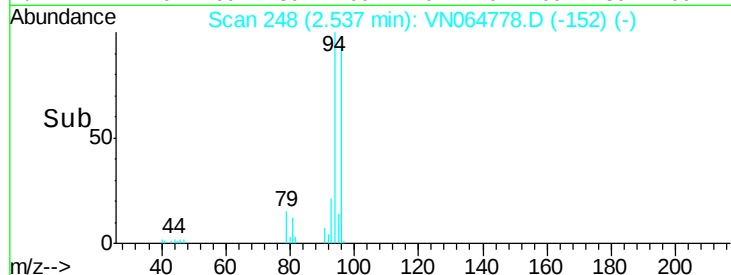
15000

10000

5000

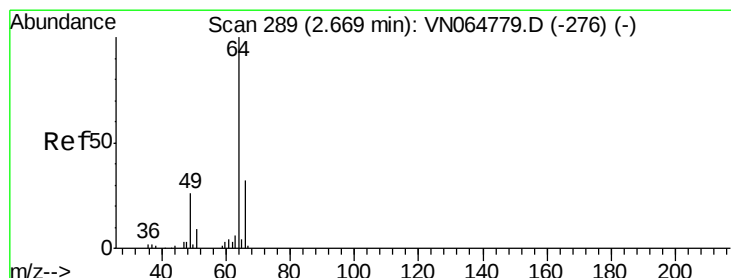
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Time-->



2.54

2.45 2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 14.476 ug/l

RT: 2.68 min Scan# 291

Delta R.T. 0.01 min

Lab File: VN064778.D

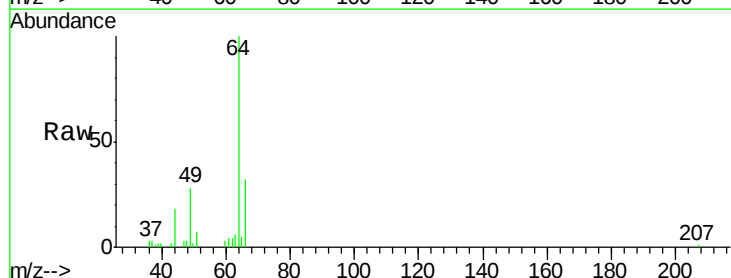
Acq: 23 Nov 2020 12:18

Tgt Ion: 64 Resp: 25017

Ion Ratio Lower Upper

64 100

66 31.6 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

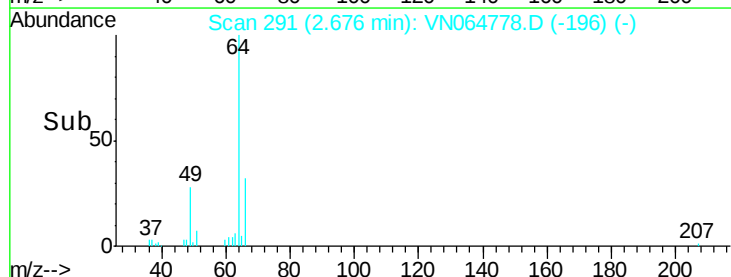
Ion 65.90 (65.60 to 66.60): VN0

10000

5000

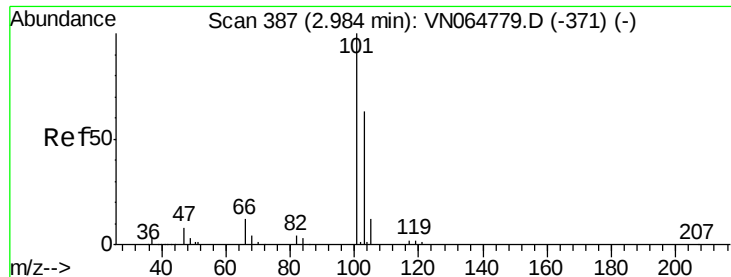
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Time-->



2.68

2.60 2.65 2.70 2.75



#7

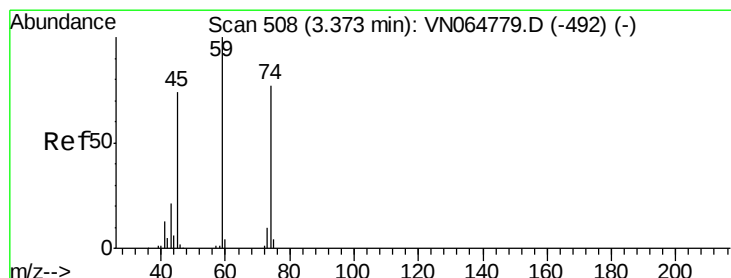
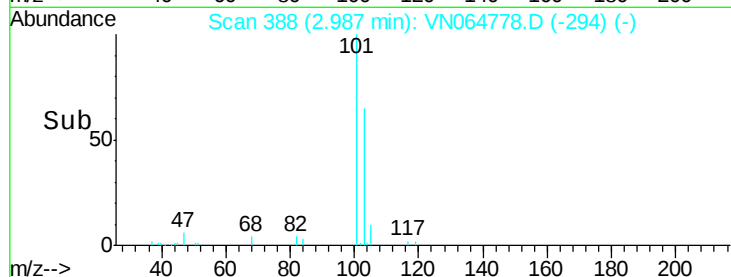
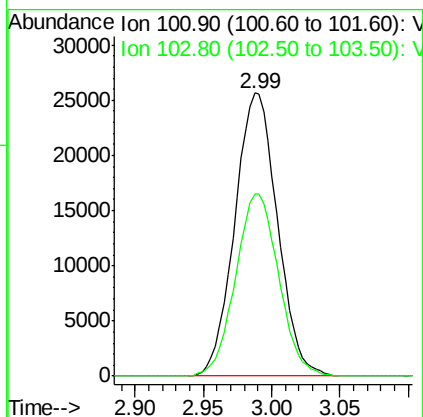
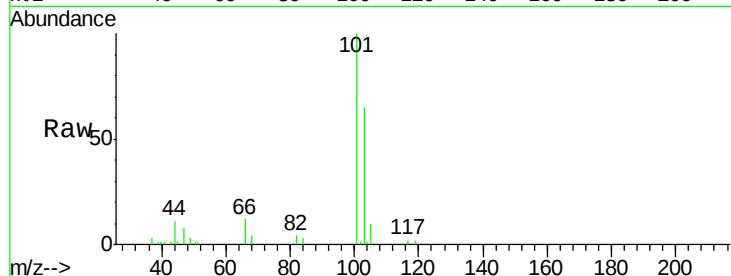
Trichlorofluoromethane
Concen: 12.359 ug/l
RT: 2.99 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN064778.D
Acq: 23 Nov 2020 12:18

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	50.5	75.7

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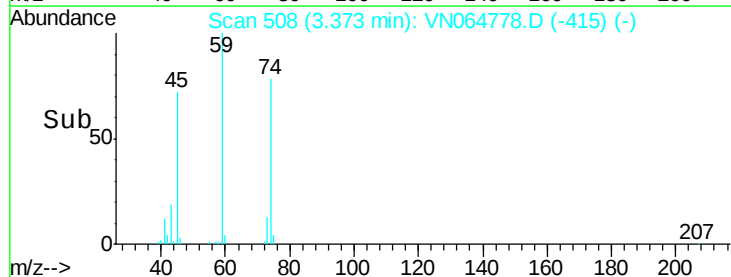
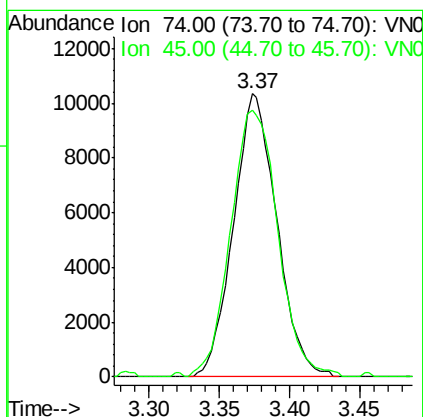
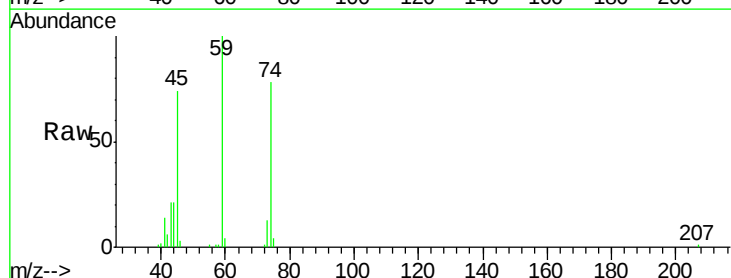
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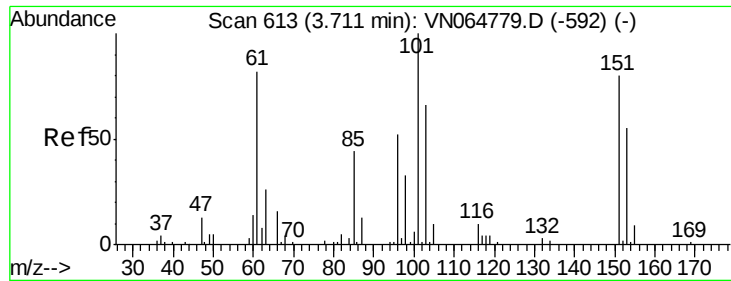


#8

Diethyl Ether
Concen: 14.897 ug/l
RT: 3.37 min Scan# 508
Delta R.T. -0.00 min
Lab File: VN064778.D
Acq: 23 Nov 2020 12:18

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.9	48.9	146.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.350 ug/l

RT: 3.71 min Scan# 613

Delta R.T. -0.00 min

Lab File: VN064778.D

Acq: 23 Nov 2020 12:18

Instrument :

MSVOA_N

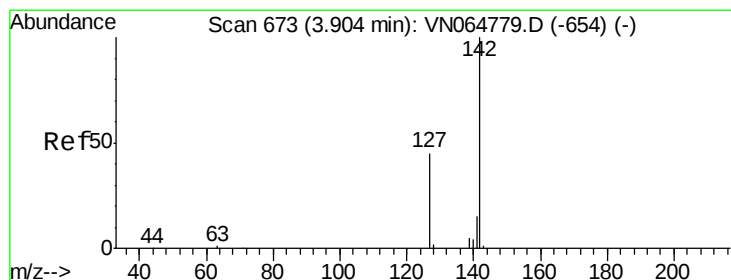
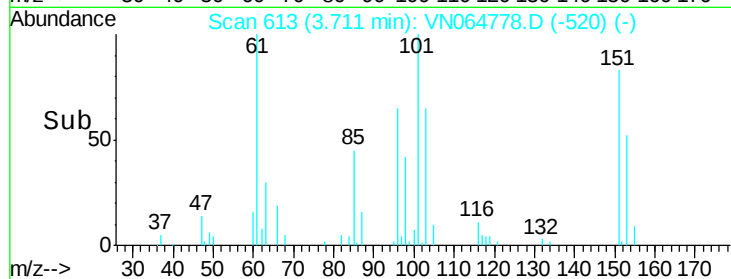
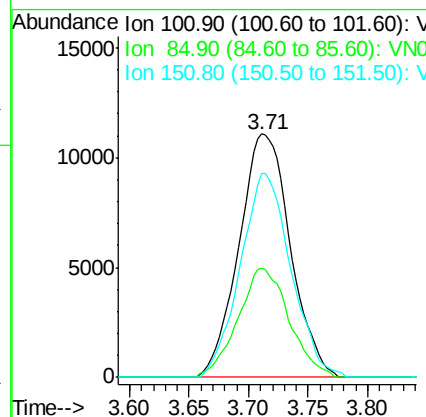
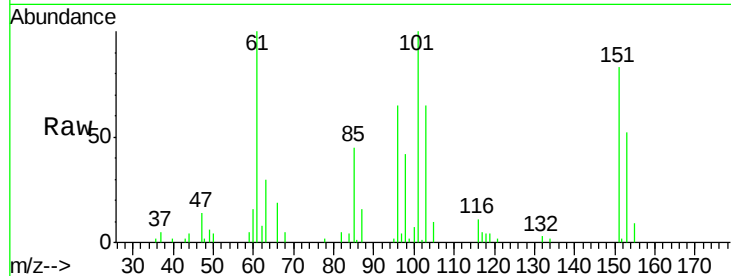
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	33210
Ion Ratio	Lower	Upper	
101	100		
85	44.5	34.4	51.6
151	82.3	64.0	96.0

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#10

Methyl Iodide

Concen: 17.381 ug/l

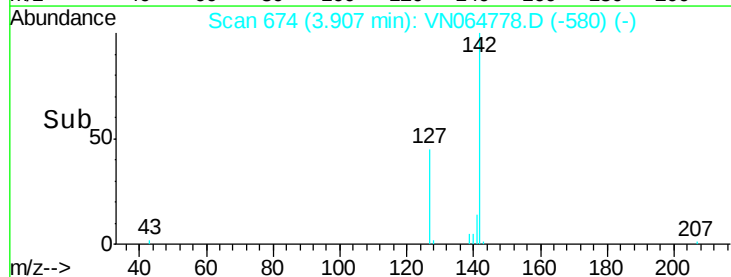
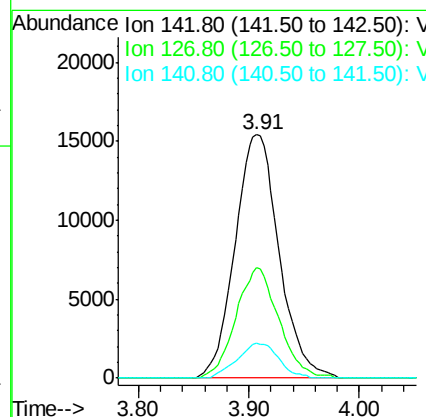
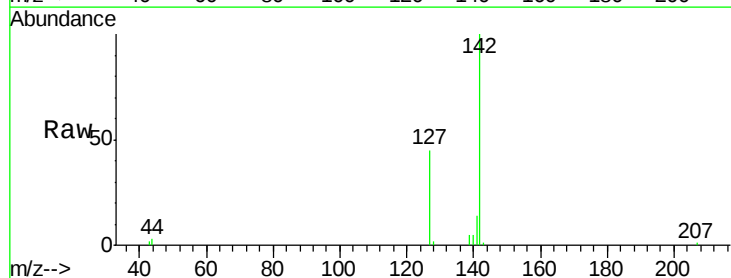
RT: 3.91 min Scan# 674

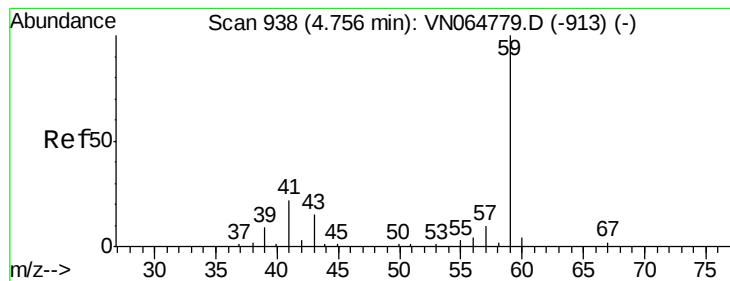
Delta R.T. 0.00 min

Lab File: VN064778.D

Acq: 23 Nov 2020 12:18

Tgt Ion:	142	Resp:	42550
Ion Ratio	Lower	Upper	
142	100		
127	43.8	35.0	52.6
141	13.5	11.8	17.6





#11

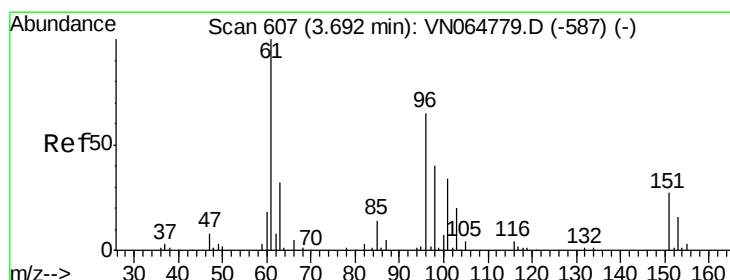
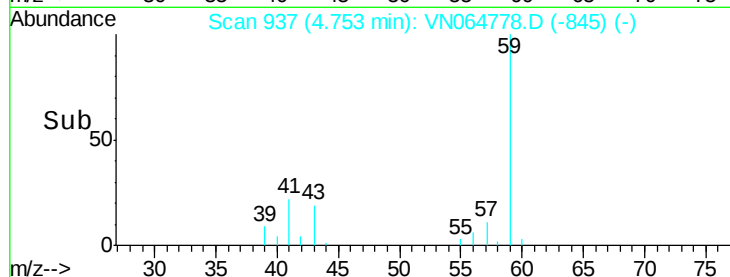
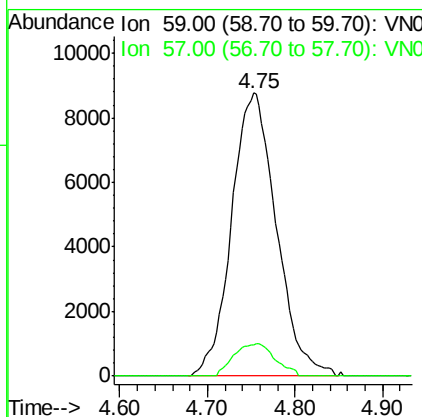
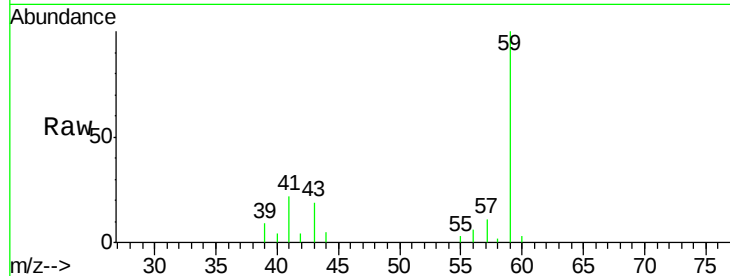
Tert butyl alcohol
 Concen: 96.671 ug/l
 RT: 4.75 min Scan# 937
 Delta R.T. -0.00 min
 Lab File: VN064778.D
 Acq: 23 Nov 2020 12:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	7.9	11.9

Manual Integrations
 APPROVED

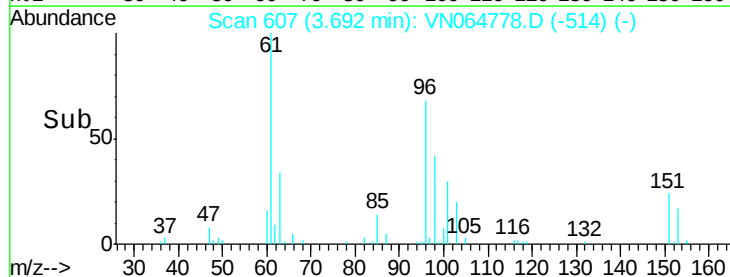
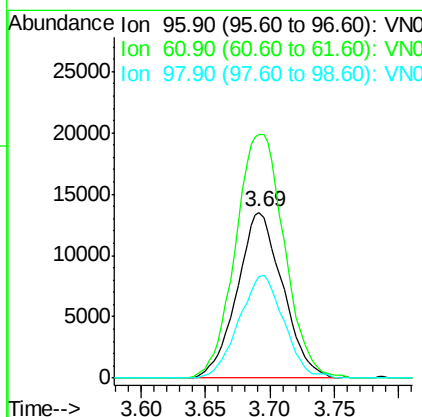
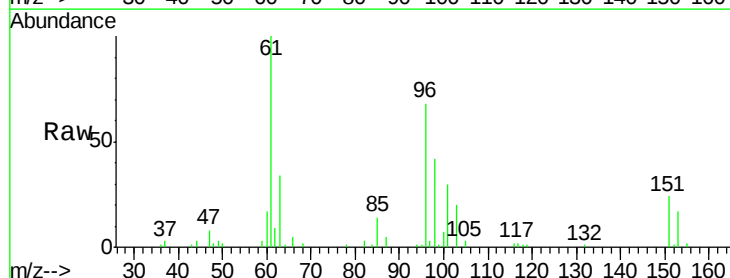
MMDadoda
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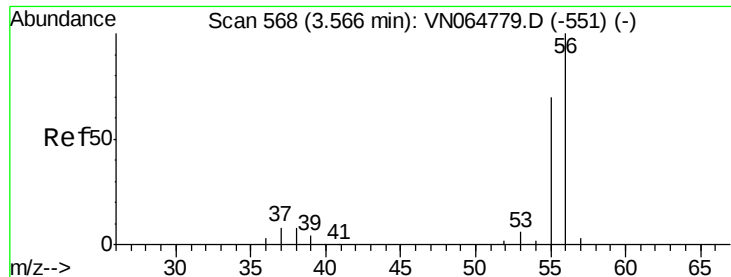


#12

1,1-Dichloroethene
 Concen: 16.887 ug/l
 RT: 3.69 min Scan# 607
 Delta R.T. -0.00 min
 Lab File: VN064778.D
 Acq: 23 Nov 2020 12:18

Tgt Ion	Ratio	Lower	Upper
96	100		
61	146.8	123.4	185.2
98	61.5	49.8	74.8





#13

Acrolein

Concen: 181.786 ug/l

RT: 3.56 min Scan# 567

Delta R.T. -0.00 min

Lab File: VN064778.D

Acq: 23 Nov 2020 12:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 17822

Ion Ratio Lower Upper

56 100

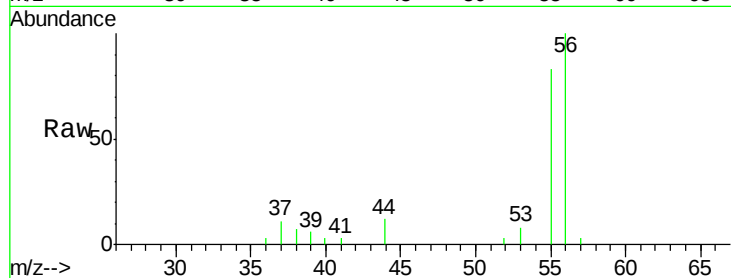
55 76.6 56.5 84.7

Manual Integrations

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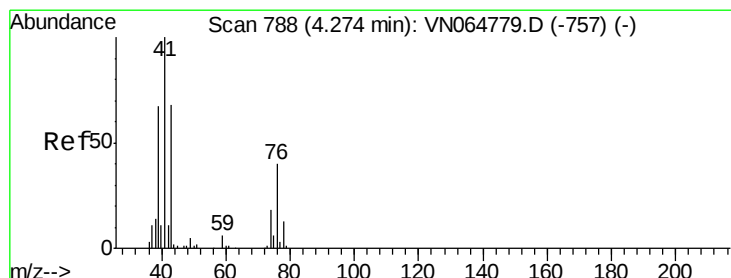
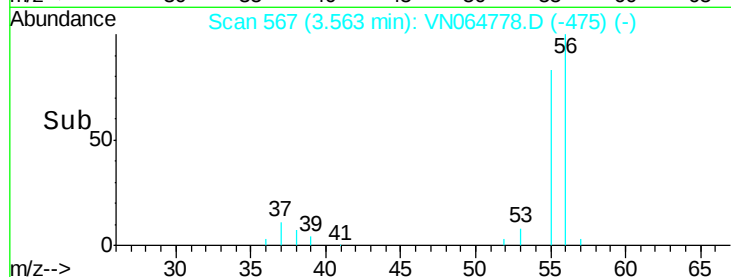
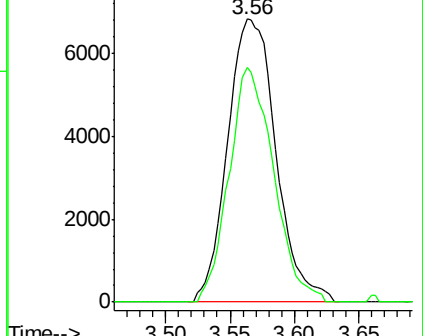
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 15.889 ug/l

RT: 4.28 min Scan# 789

Delta R.T. 0.00 min

Lab File: VN064778.D

Acq: 23 Nov 2020 12:18

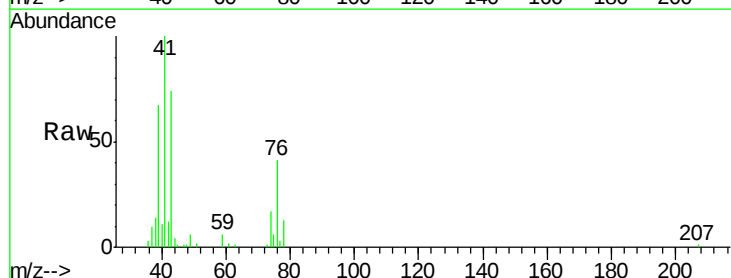
Tgt Ion: 41 Resp: 53138

Ion Ratio Lower Upper

41 100

39 63.2 50.9 76.3

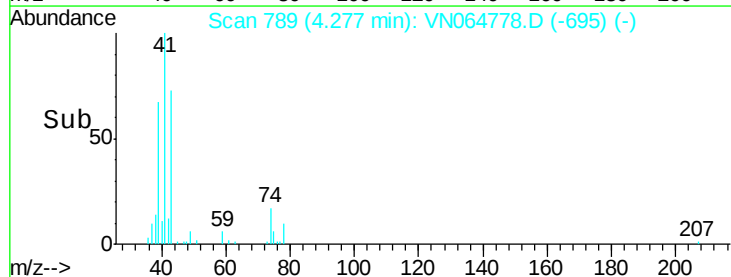
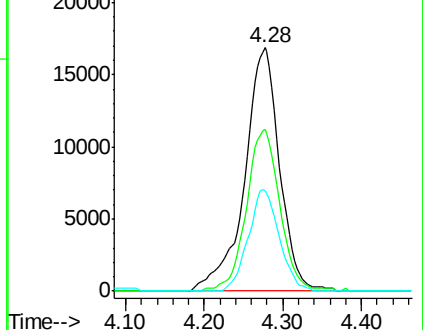
76 37.0 29.0 43.4



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 94.115 ug/l

RT: 4.94 min Scan# 995

Delta R.T. 0.00 min

Lab File: VN064778.D

Acq: 23 Nov 2020 12:18

Instrument :

MSVOA_N

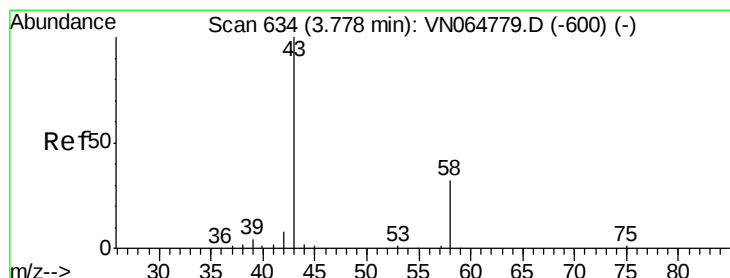
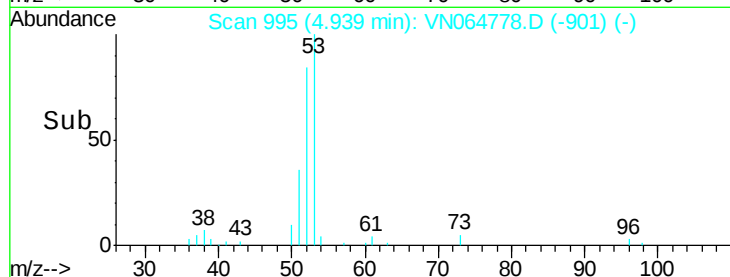
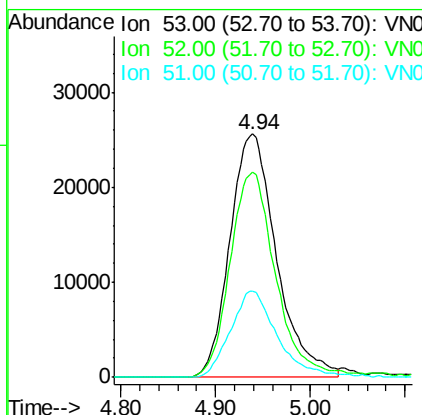
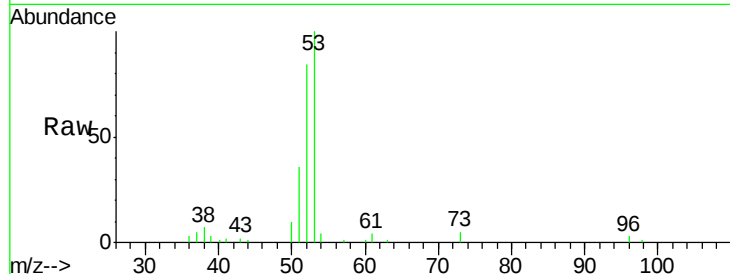
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	87782
Ion	Ratio	Lower	Upper
53	100		
52	81.3	65.5	98.3
51	35.5	28.6	43.0

Manual Integrations
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#16

Acetone

Concen: 82.331 ug/l

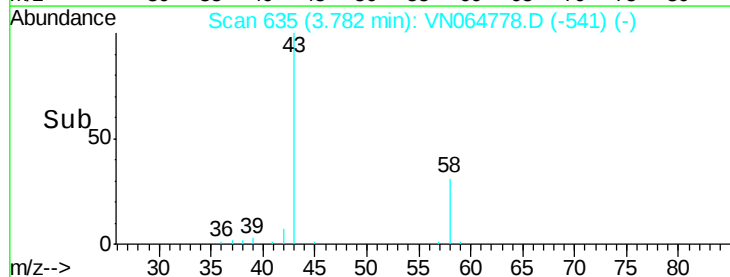
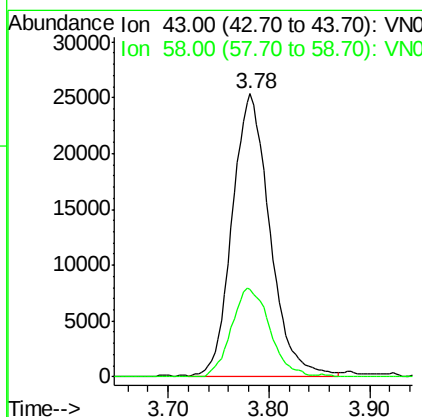
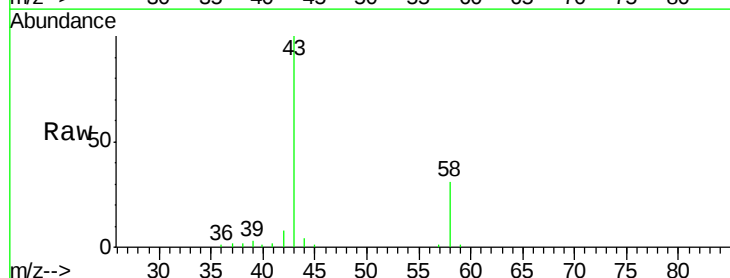
RT: 3.78 min Scan# 635

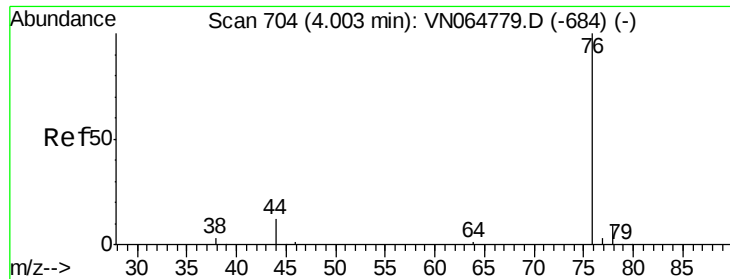
Delta R.T. 0.00 min

Lab File: VN064778.D

Acq: 23 Nov 2020 12:18

Tgt Ion:	43	Resp:	65876
Ion	Ratio	Lower	Upper
43	100		
58	30.9	25.7	38.5





#17

Carbon Disulfide

Concen: 14.640 ug/l

RT: 4.01 min Scan# 705

Delta R.T. 0.00 min

Lab File: VN064778.D

Acq: 23 Nov 2020 12:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 88493

Ion Ratio Lower Upper

76 100

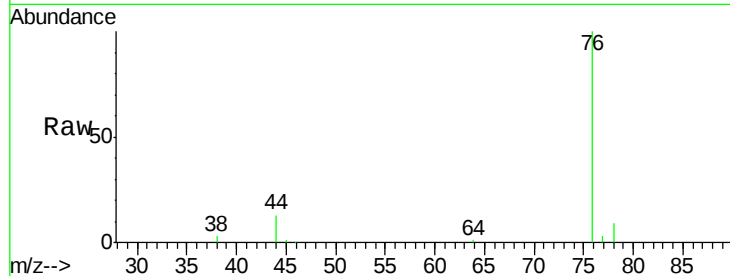
78 9.1 7.4 11.0

Manual Integrations

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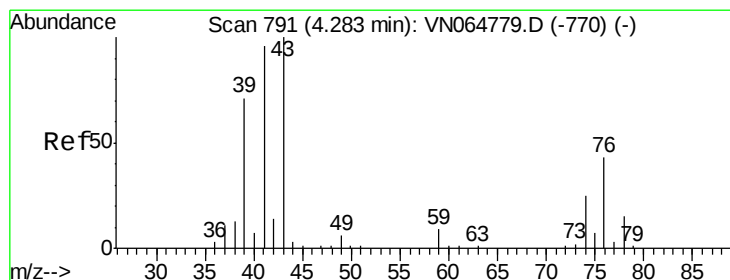
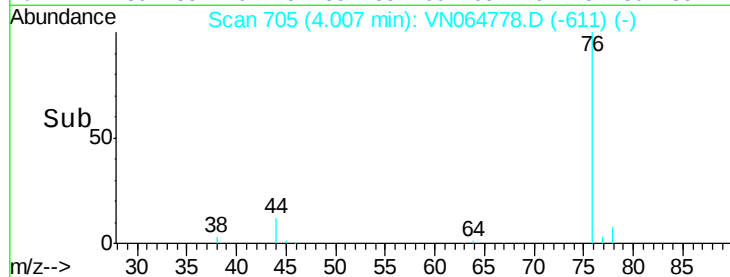
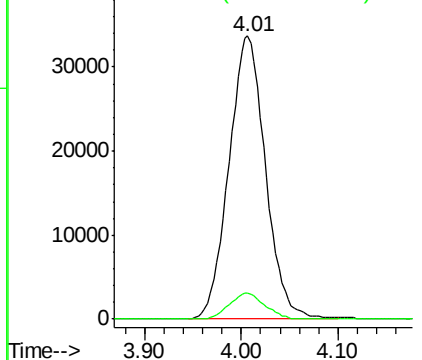
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 16.540 ug/l

RT: 4.28 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN064778.D

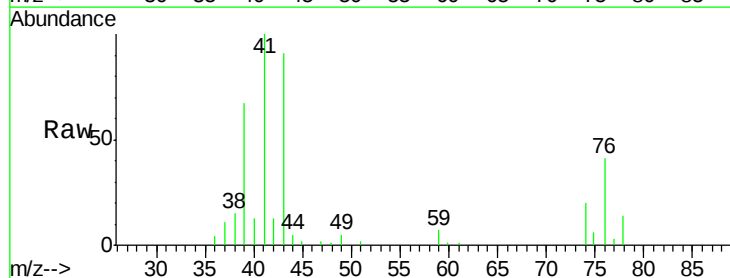
Acq: 23 Nov 2020 12:18

Tgt Ion: 43 Resp: 40431

Ion Ratio Lower Upper

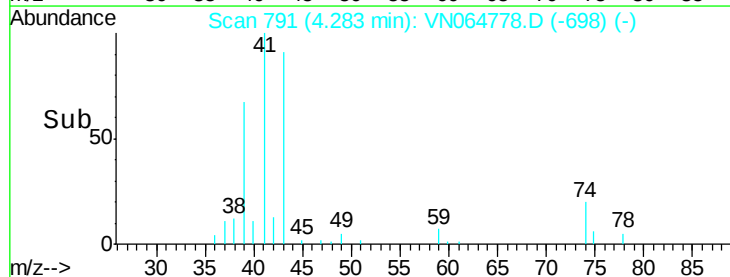
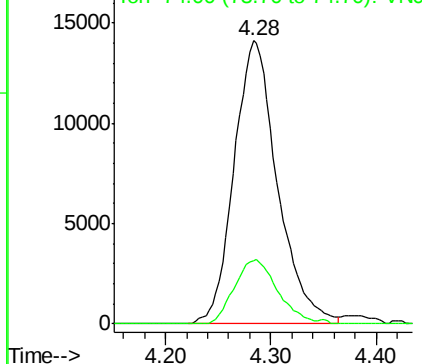
43 100

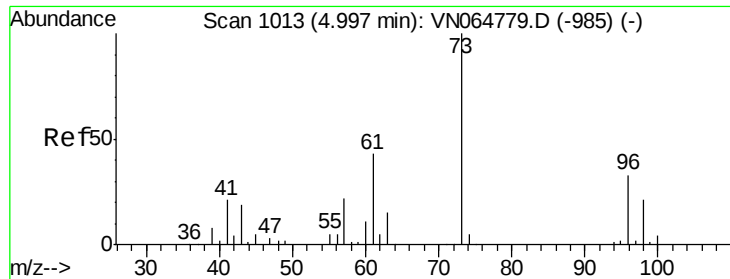
74 22.6 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





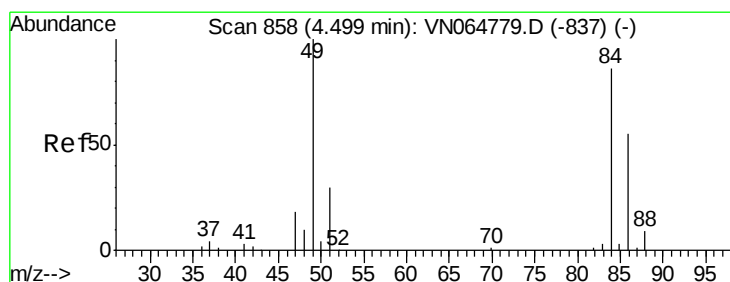
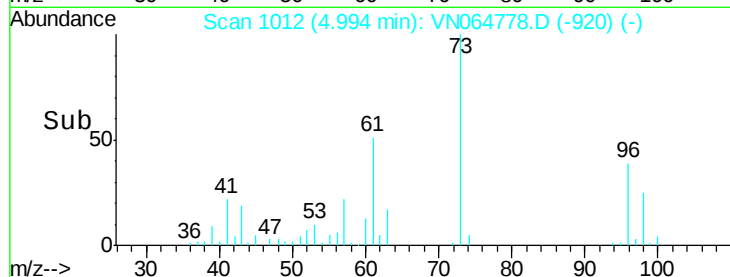
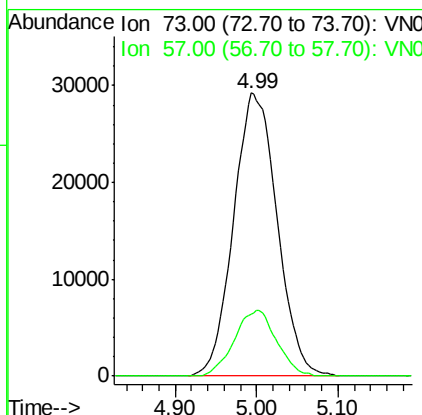
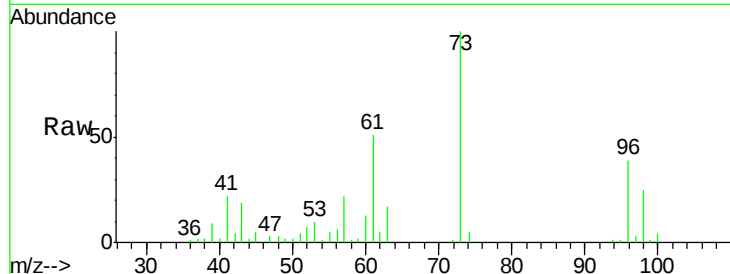
#19
Methvl tert-butvl Ether
Concen: 16.635 ug/l
RT: 4.99 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VN064778.D
Acq: 23 Nov 2020 12:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 73 Resp: 108312
Ion Ratio Lower Upper
73 100
57 21.7 17.4 26.0

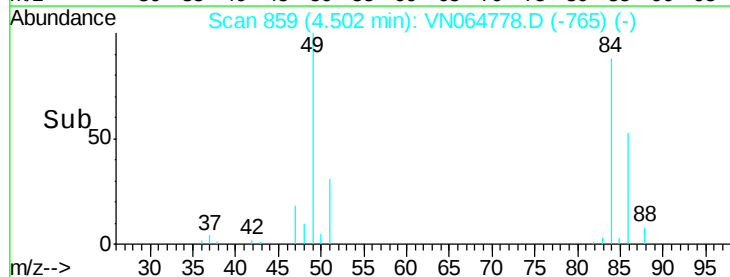
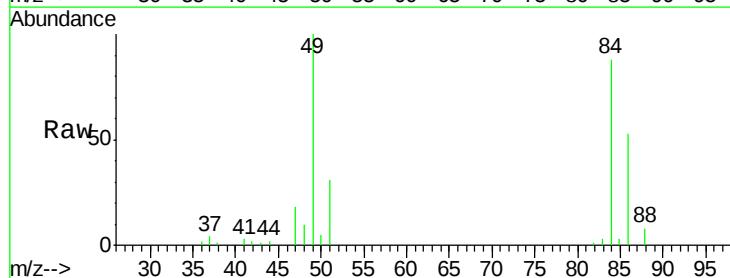
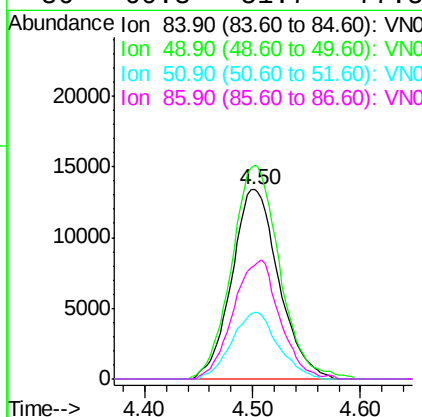
Manual Integrations
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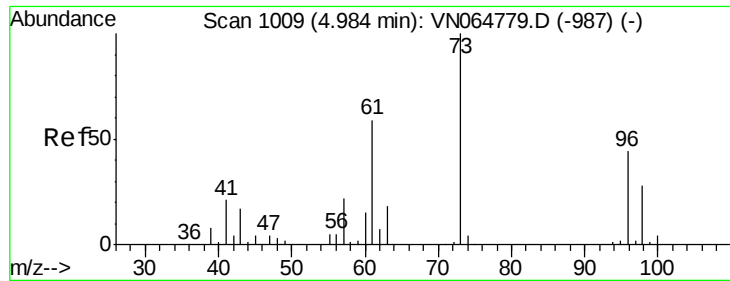
MMDadoda
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#20
Methylene Chloride
Concen: 17.099 ug/l
RT: 4.50 min Scan# 859
Delta R.T. 0.00 min
Lab File: VN064778.D
Acq: 23 Nov 2020 12:18

Tgt Ion: 84 Resp: 40651
Ion Ratio Lower Upper
84 100
49 113.1 93.4 140.0
51 35.3 28.2 42.4
86 60.3 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 16.686 ug/l

RT: 4.98 min Scan# 1009

Delta R.T. -0.00 min

Lab File: VN064778.D

Acq: 23 Nov 2020 12:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 96 Resp: 36493

Ion Ratio Lower Upper

96 100

61 134.2 108.4 162.6

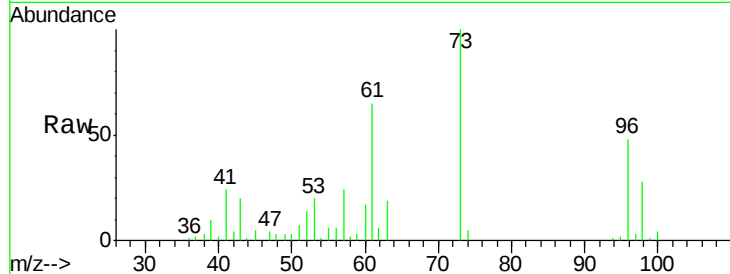
98 59.0 51.3 76.9

Manual Integrations

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MMDadoda

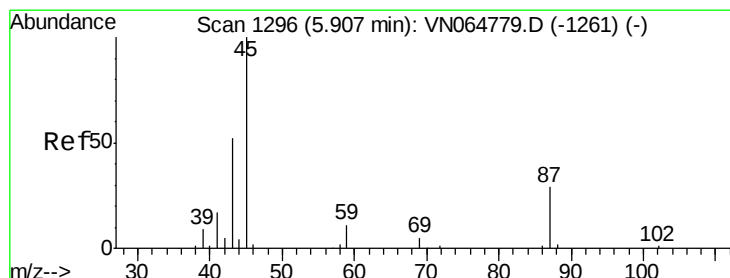
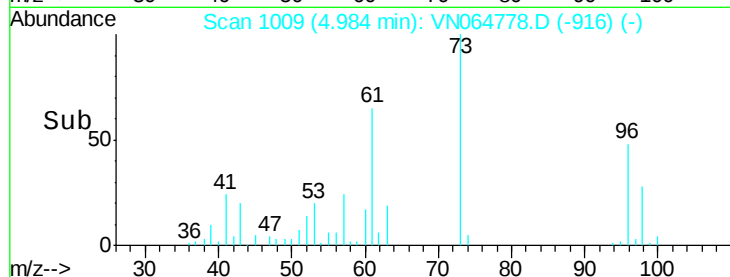
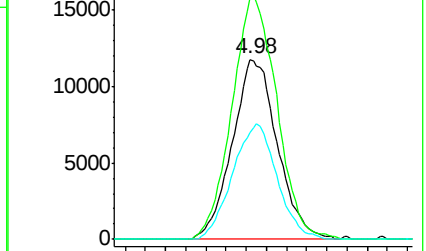
11/24/2020 3:01:08 PM



Abundance Ion 95.90 (95.60 to 96.60): VN064778.D (-916) (-)

Ion 60.90 (60.60 to 61.60): VN064778.D (-916) (-)

Ion 97.90 (97.60 to 98.60): VN064778.D (-916) (-)



#22

Diisopropyl ether

Concen: 16.221 ug/l

RT: 5.91 min Scan# 1296

Delta R.T. -0.00 min

Lab File: VN064778.D

Acq: 23 Nov 2020 12:18

Tgt Ion: 45 Resp: 113862

Ion Ratio Lower Upper

45 100

43 61.8 46.2 69.2

87 29.3 24.1 36.1

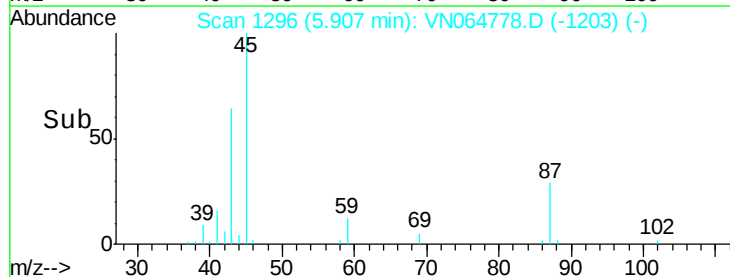
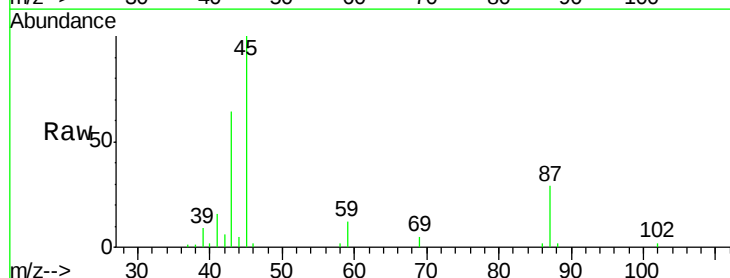
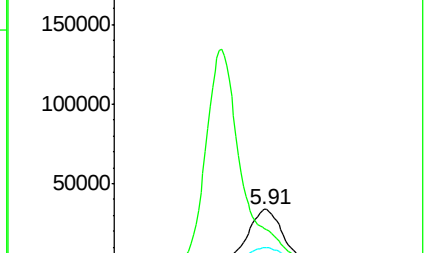
59 11.9 9.0 13.4

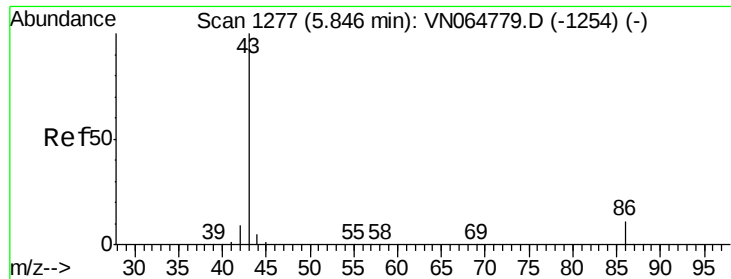
Abundance Ion 45.00 (44.70 to 45.70): VN064778.D (-1203) (-)

Ion 43.00 (42.70 to 43.70): VN064778.D (-1203) (-)

Ion 87.00 (86.70 to 87.70): VN064778.D (-1203) (-)

Ion 59.00 (58.70 to 59.70): VN064778.D (-1203) (-)





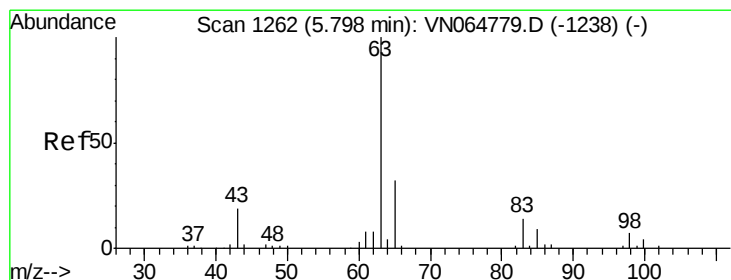
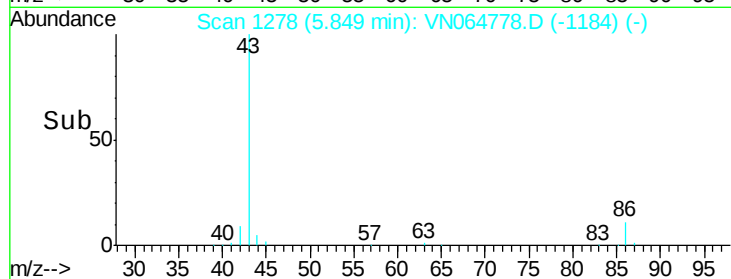
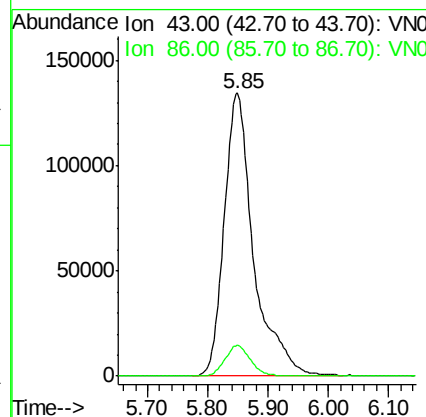
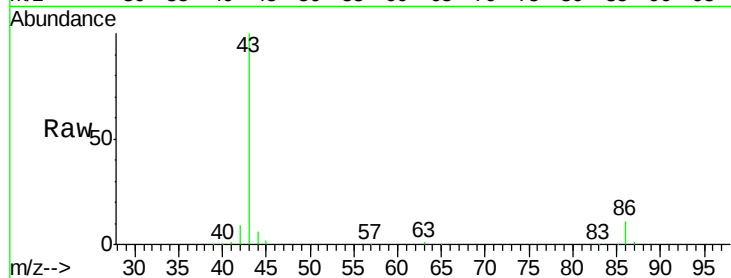
#23
 Vinyl Acetate
 Concen: 80.604 ug/l
 RT: 5.85 min Scan# 1278
 Delta R.T. 0.00 min
 Lab File: VN064778.D
 Acq: 23 Nov 2020 12:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	43	Resp	455452
Ion Ratio	100	Lower	Upper
43	100		
86	10.9	8.9	13.3

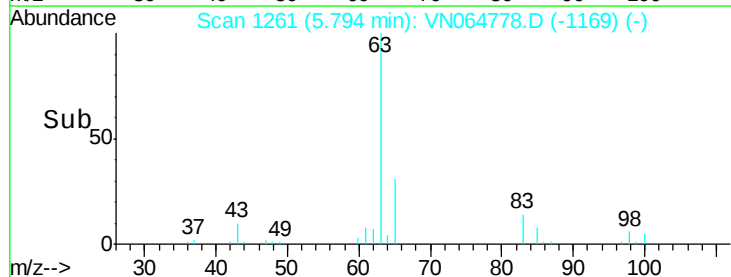
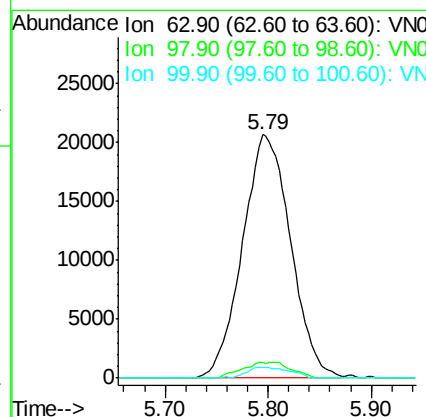
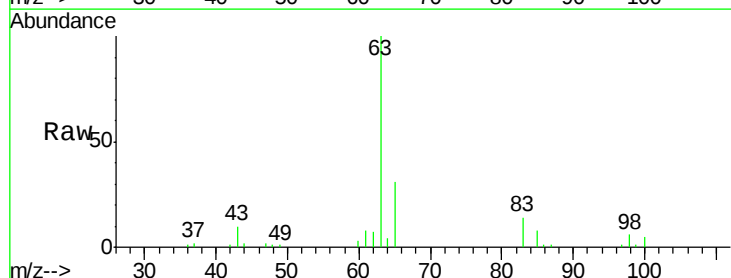
Manual Integrations
 APPROVED

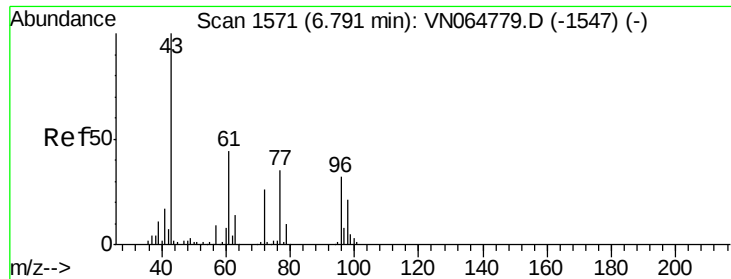
MMDadoda
 11/24/2020 3:01:08 PM



#24
 1,1-Dichloroethane
 Concen: 16.208 ug/l
 RT: 5.79 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VN064778.D
 Acq: 23 Nov 2020 12:18

Tgt Ion	63	Resp	67011
Ion Ratio	100	Lower	Upper
63	100		
98	6.3	3.5	10.5
100	4.5	2.3	6.8





#25

2-Butanone

Concen: 89.187 ug/l

RT: 6.79 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN064778.D

Acq: 23 Nov 2020 12:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 110478

Ion Ratio Lower Upper

43 100

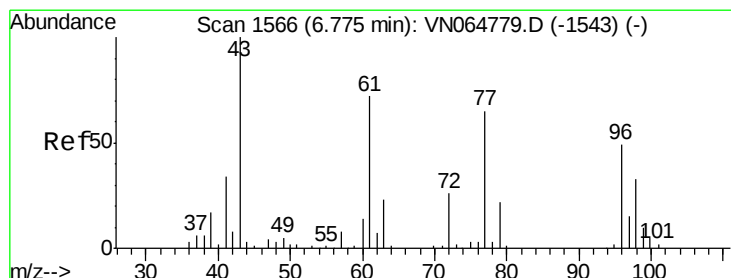
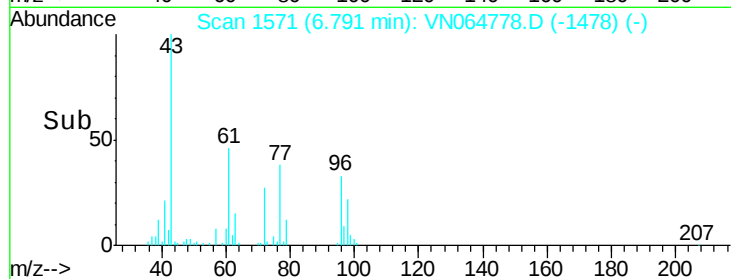
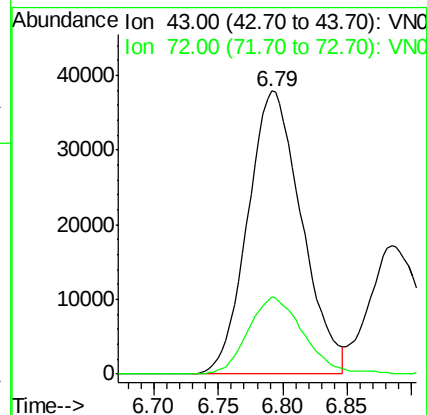
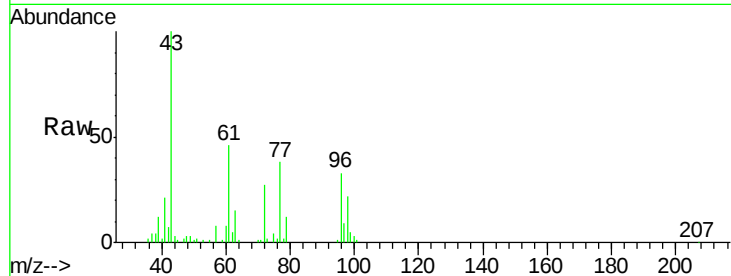
72 27.2 21.0 31.6

Manual Integrations

APPROVED

MMDadoda

11/24/2020 3:01:08 PM



#26

2,2-Dichloropropane

Concen: 14.936 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN064778.D

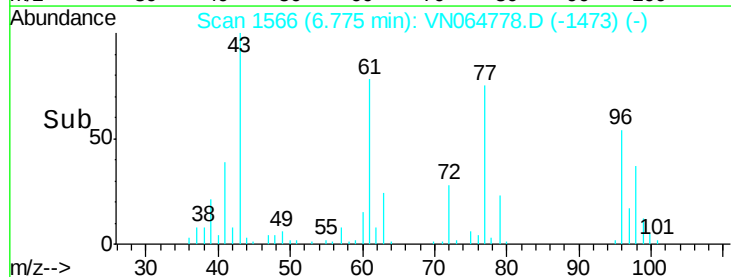
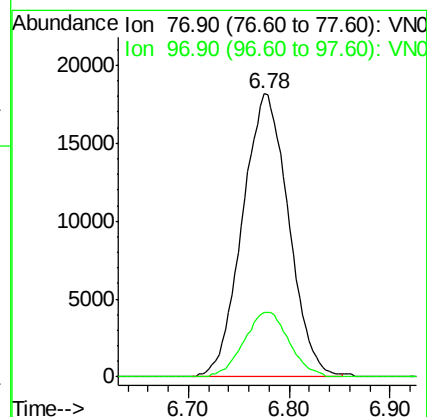
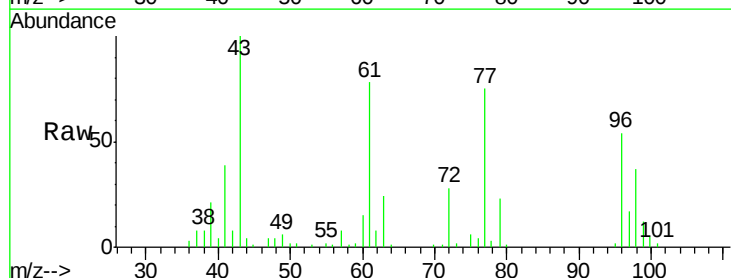
Acq: 23 Nov 2020 12:18

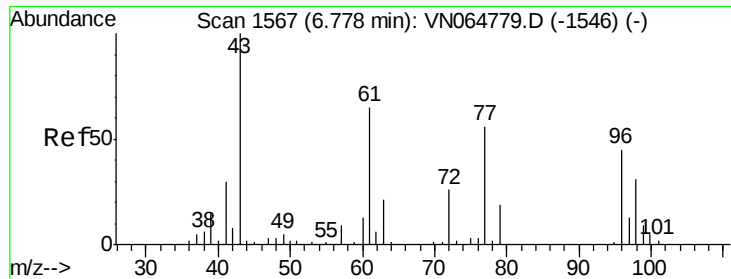
Tgt Ion: 77 Resp: 57688

Ion Ratio Lower Upper

77 100

97 22.4 11.7 35.0





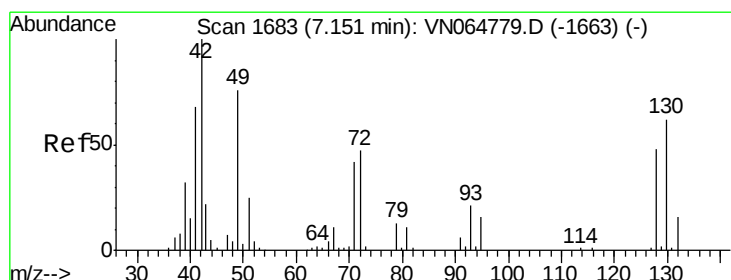
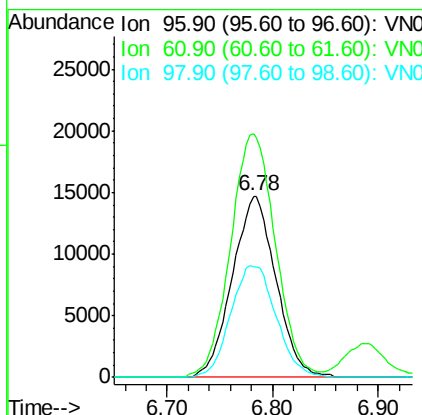
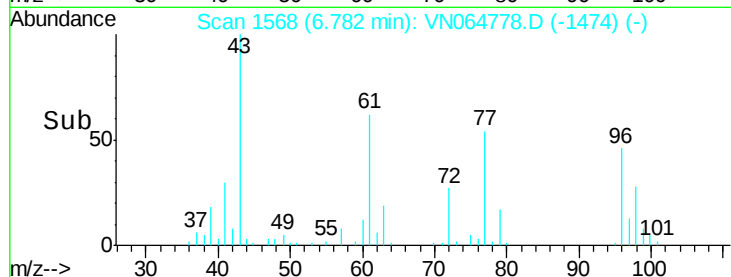
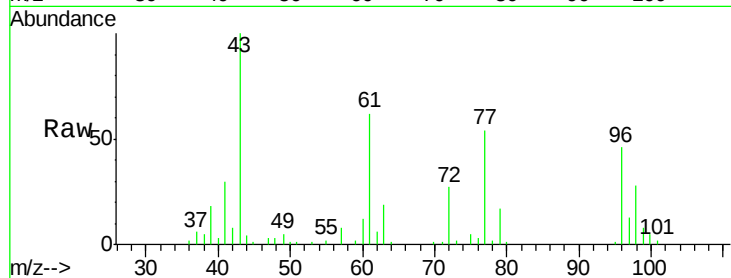
#27
 cis-1,2-Dichloroethene
 Concen: 17.474 ug/l
 RT: 6.78 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VN064778.D
 Acq: 23 Nov 2020 12:18

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.4	0.0	285.8
98	63.9	0.0	130.6

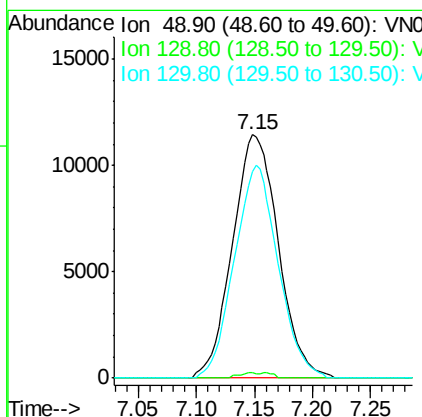
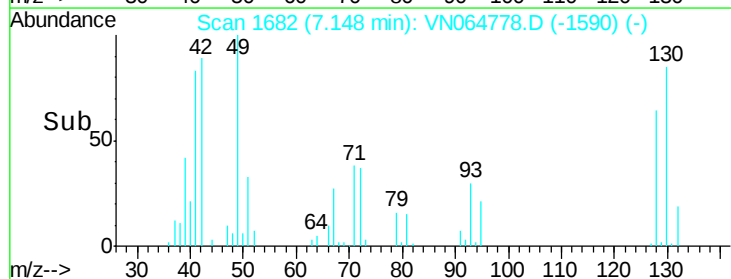
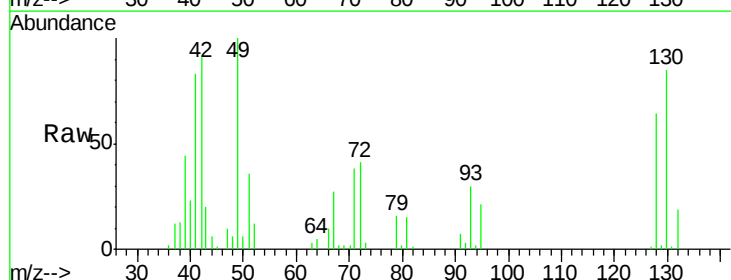
Manual Integrations
 APPROVED

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 11/24/2020 3:01:08 PM



#28
 Bromochloromethane
 Concen: 15.162 ug/l
 RT: 7.15 min Scan# 1682
 Delta R.T. -0.00 min
 Lab File: VN064778.D
 Acq: 23 Nov 2020 12:18

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	3.8
130	83.5	66.2	99.2





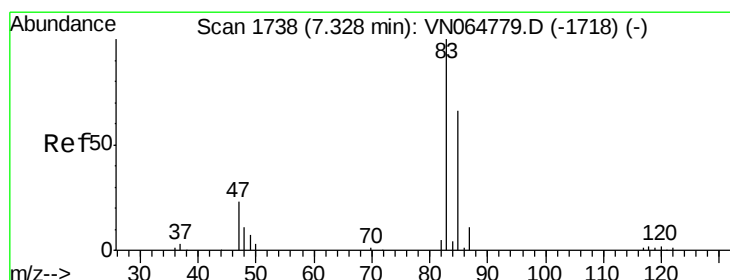
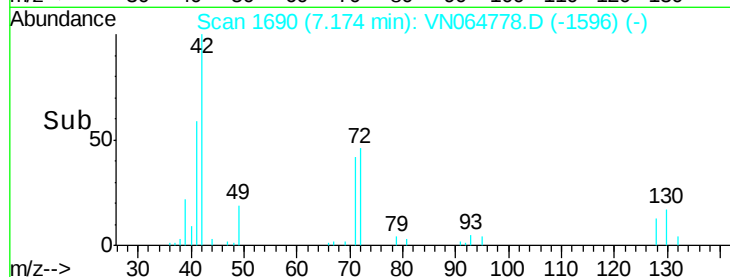
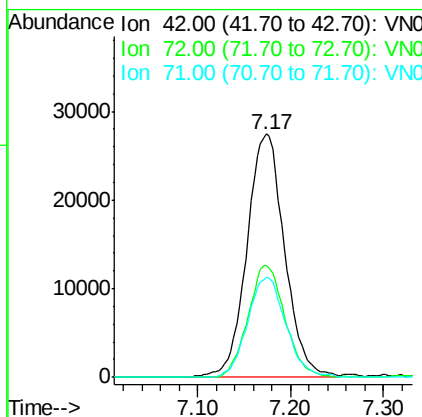
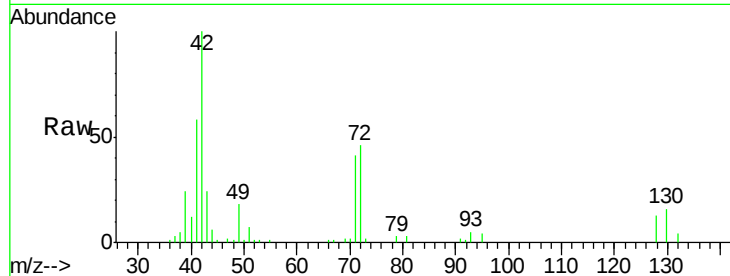
#29
Tetrahydrofuran
Concen: 92.909 ug/l
RT: 7.17 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VN064778.D
Acq: 23 Nov 2020 12:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.9	36.6	54.8
71	41.5	33.6	50.4

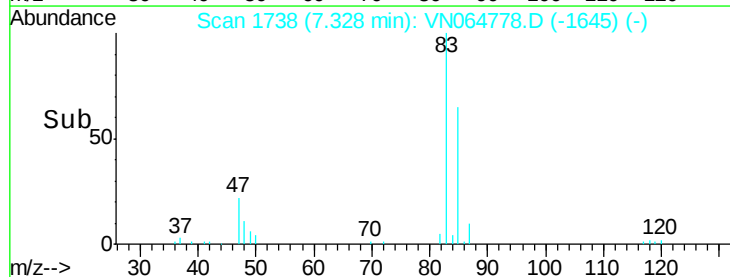
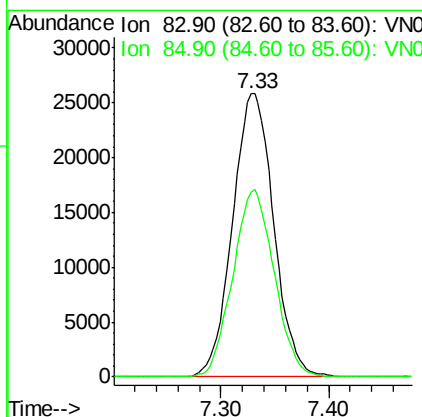
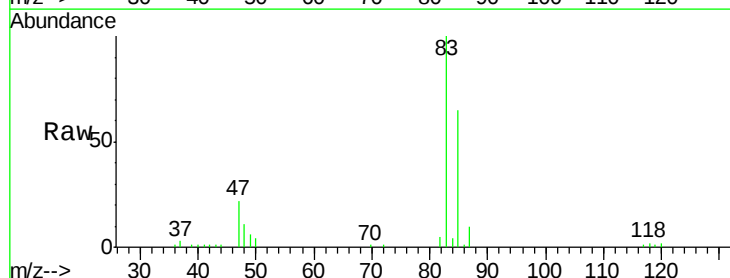
Manual Integrations
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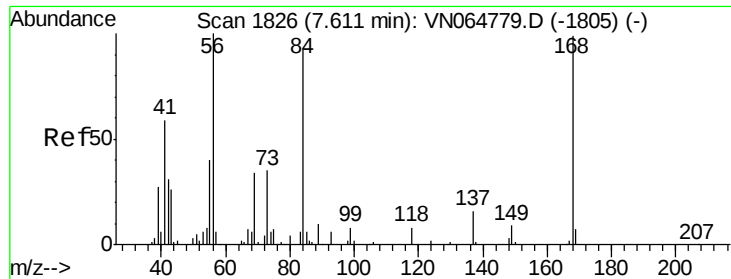
MMDadoda
11/24/2020 3:01:08 PM



#30
Chloroform
Concen: 15.389 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN064778.D
Acq: 23 Nov 2020 12:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	52.6	78.8





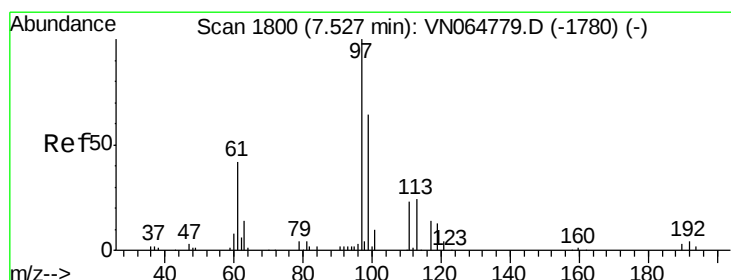
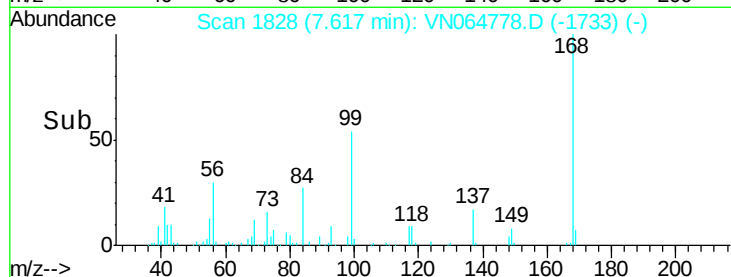
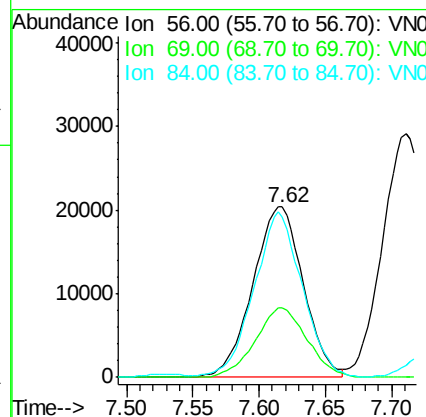
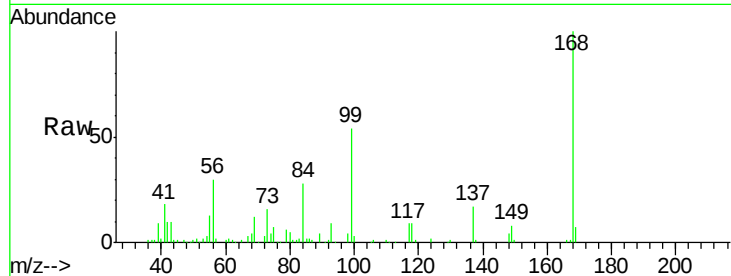
#31
Cyclohexane
Concen: 15.694 ug/l
RT: 7.62 min Scan# 1828
Delta R.T. 0.01 min
Lab File: VN064778.D
Acq: 23 Nov 2020 12:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	41.0	27.5	41.3
84	93.2	73.9	110.9

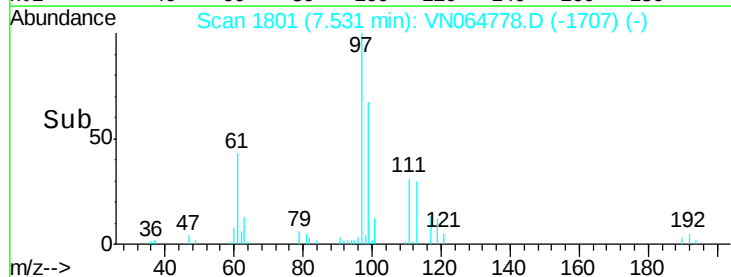
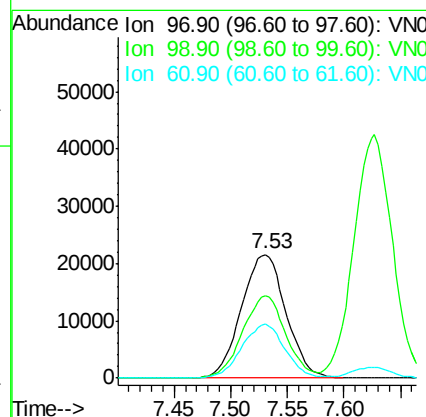
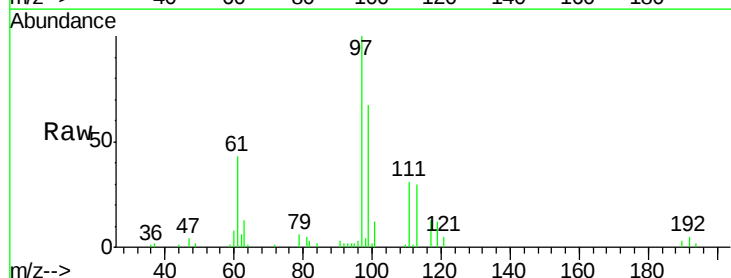
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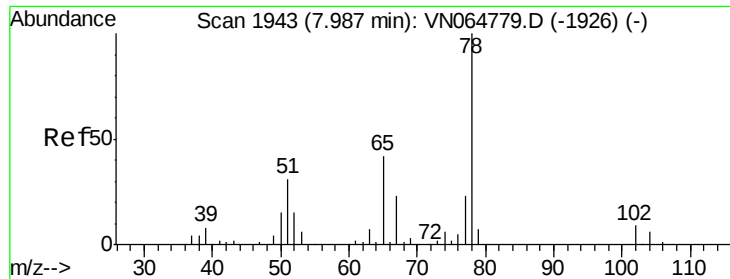
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 14.578 ug/l
RT: 7.53 min Scan# 1801
Delta R.T. 0.00 min
Lab File: VN064778.D
Acq: 23 Nov 2020 12:18

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.7	77.5
61	42.3	33.9	50.9





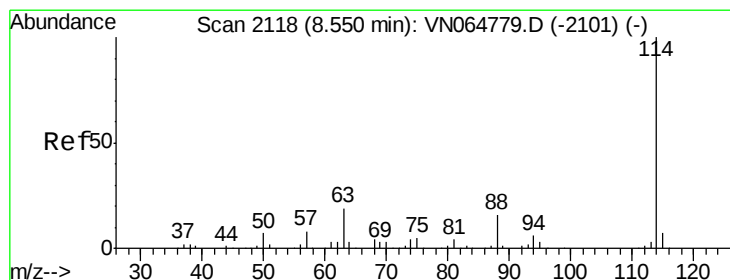
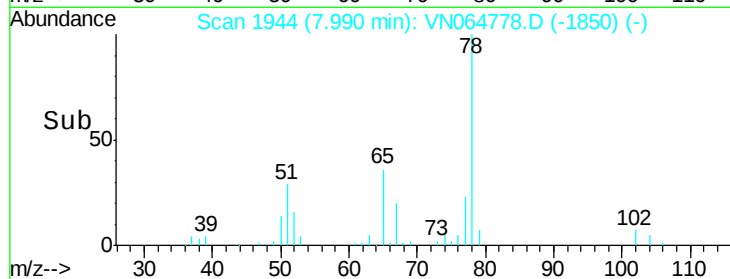
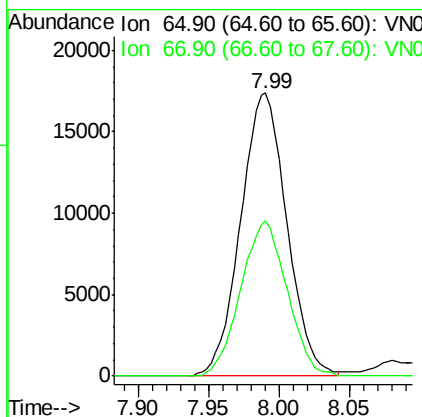
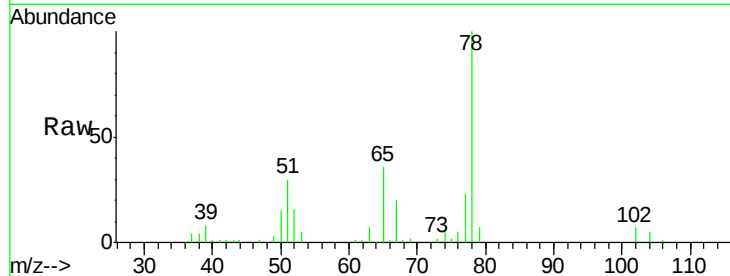
#33
 1,2-Dichloroethane-d4
 Concen: 12.972 ug/l
 RT: 7.99 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN064778.D
 Acq: 23 Nov 2020 12:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.9	0.0	108.2	

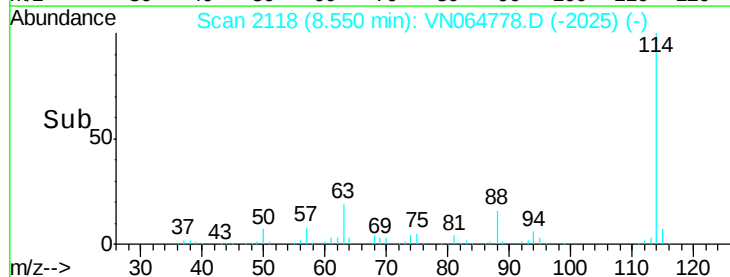
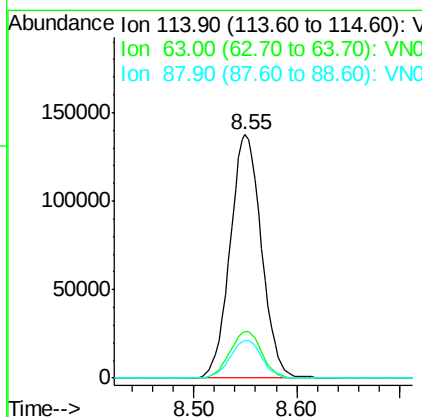
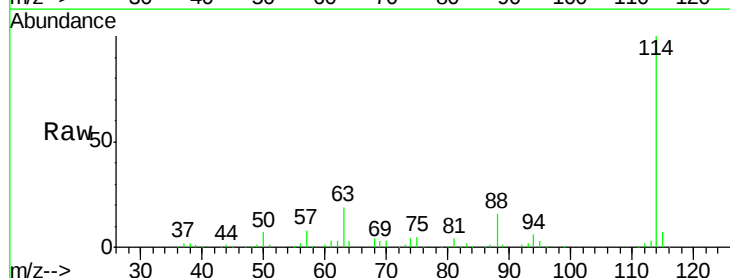
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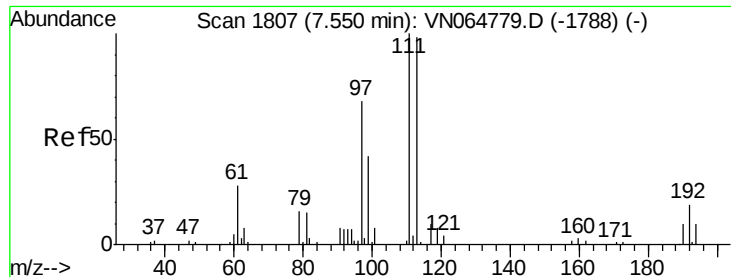
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN064778.D
 Acq: 23 Nov 2020 12:18

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.0	0.0	38.6	
88	15.5	0.0	32.6	





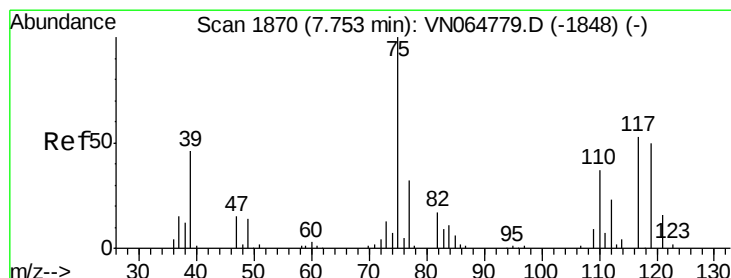
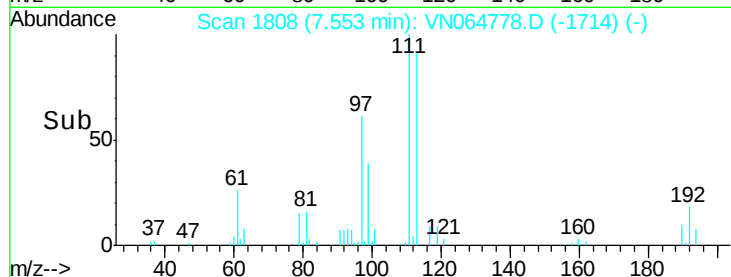
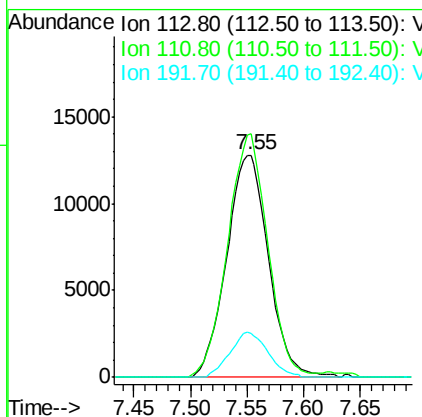
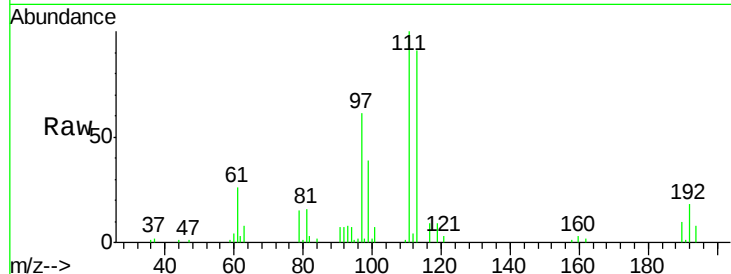
#35
Dibromofluoromethane
Concen: 19.715 ug/l
RT: 7.55 min Scan# 1808
Delta R.T. 0.00 min
Lab File: VN064778.D
Acq: 23 Nov 2020 12:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
113	100		
111	105.1	81.6	122.4
192	18.5	16.2	24.2

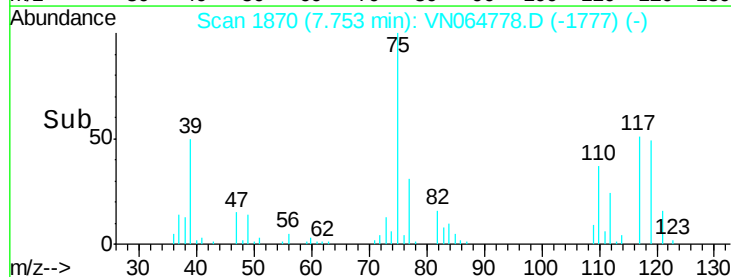
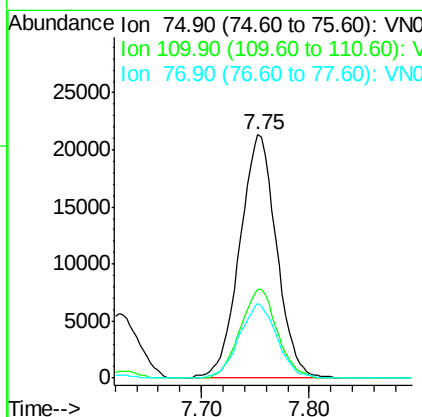
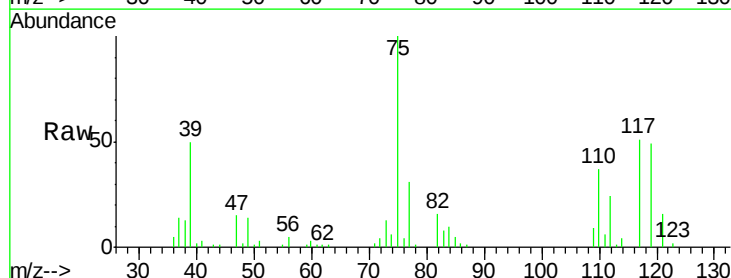
Manual Integrations
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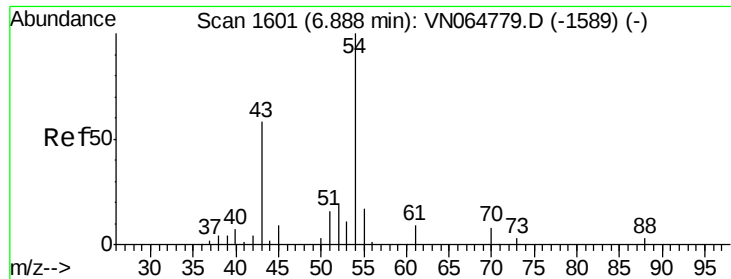
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#36
1,1-Dichloropropene
Concen: 17.228 ug/l
RT: 7.75 min Scan# 1870
Delta R.T. -0.00 min
Lab File: VN064778.D
Acq: 23 Nov 2020 12:18

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.6	17.8	53.3
77	31.3	25.0	37.4





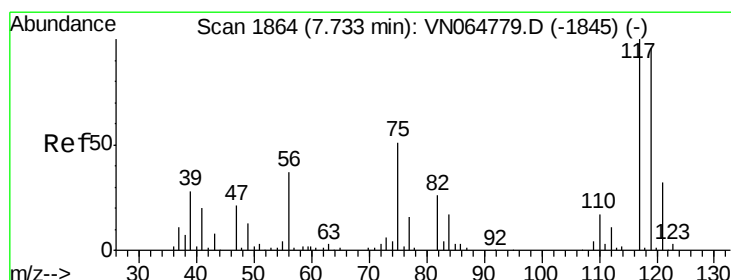
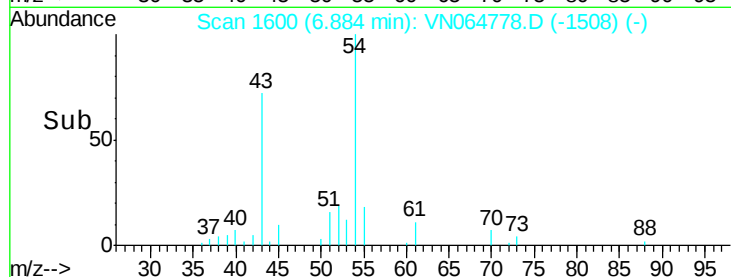
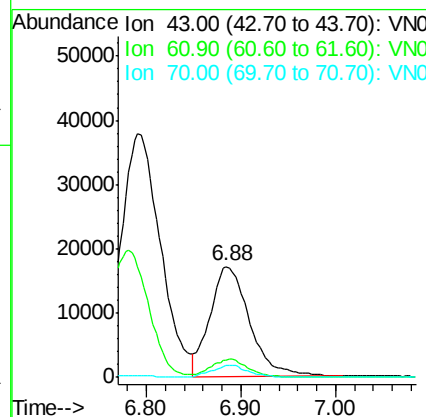
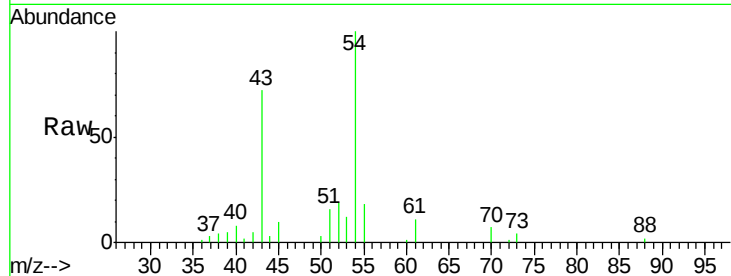
#37
Ethyl Acetate
Concen: 20.042 ug/l
RT: 6.88 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VN064778.D
Acq: 23 Nov 2020 12:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	43	61	70
Resp	49845		
Ratio	100	15.6	10.0
Lower		12.8	8.8
Upper		19.2	13.2

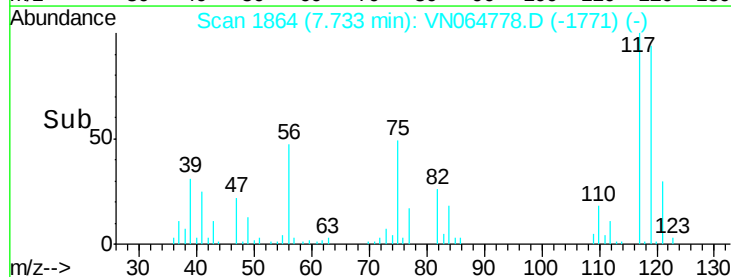
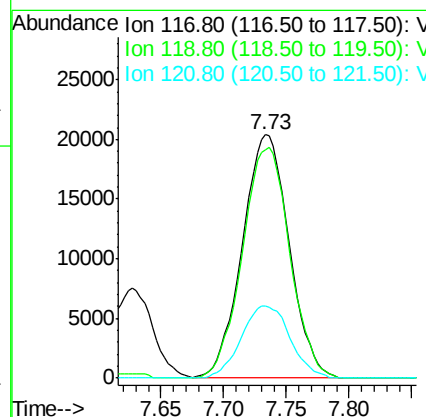
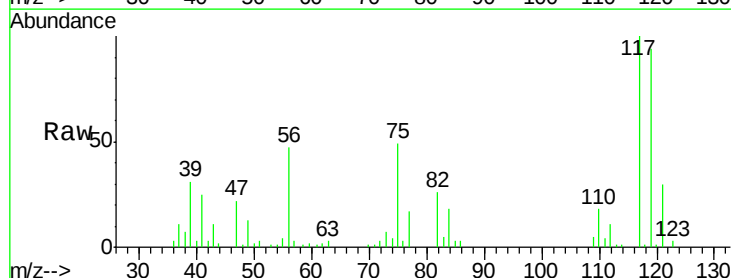
Manual Integrations
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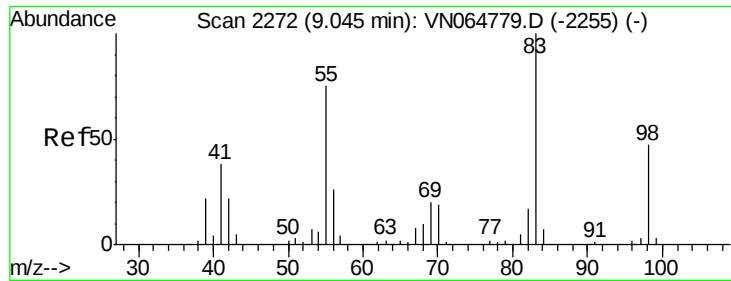
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#38
Carbon Tetrachloride
Concen: 17.107 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN064778.D
Acq: 23 Nov 2020 12:18

Tgt Ion	117	119	121
Resp	52832		
Ratio	100	93.8	29.8
Lower		76.7	25.4
Upper		115.1	38.2





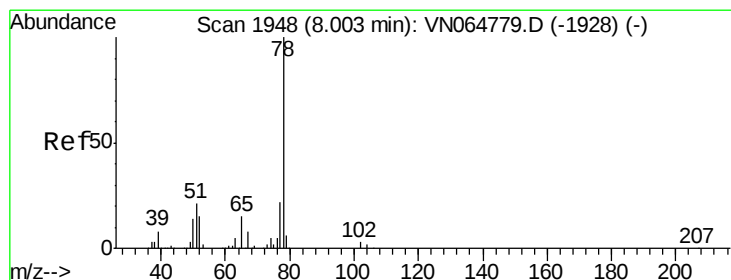
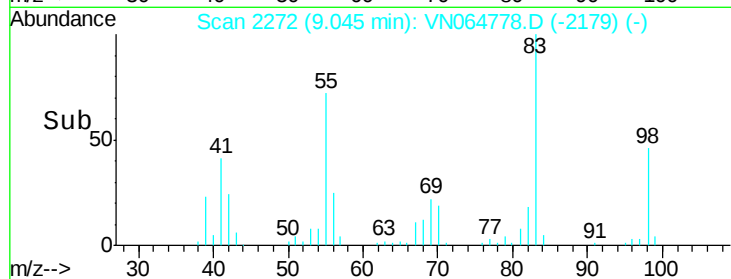
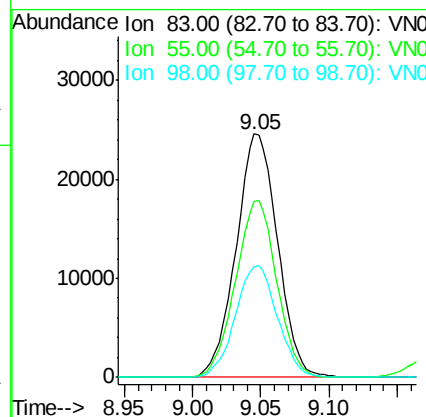
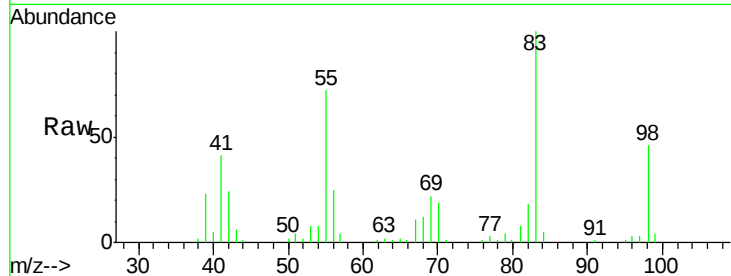
#39
Methvlcvclohexane
Concen: 19.354 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN064778.D
Acq: 23 Nov 2020 12:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.2	60.2	90.2
98	45.5	37.4	56.2

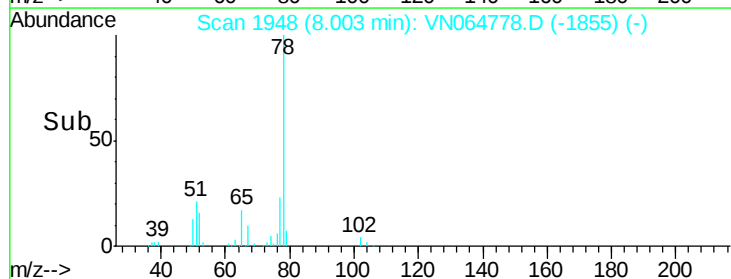
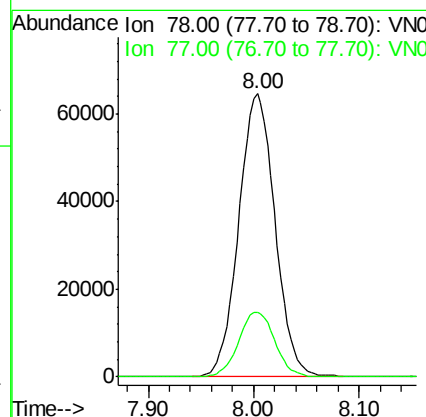
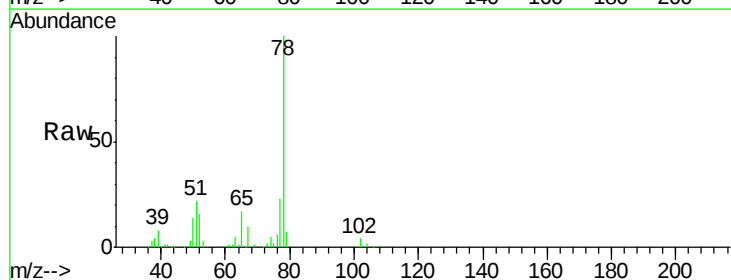
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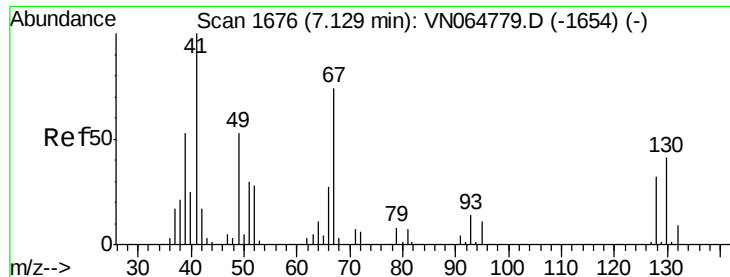
MMDadoda
11/24/2020 3:01:08 PM



#40
Benzene
Concen: 18.704 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VN064778.D
Acq: 23 Nov 2020 12:18

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	17.9	26.9





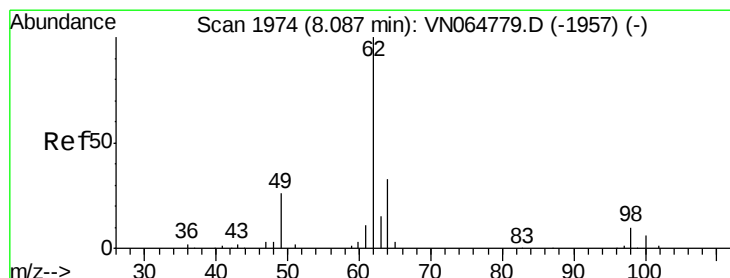
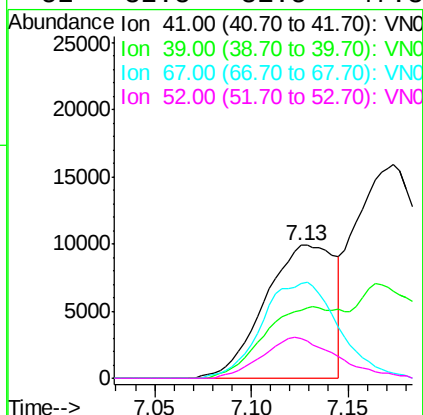
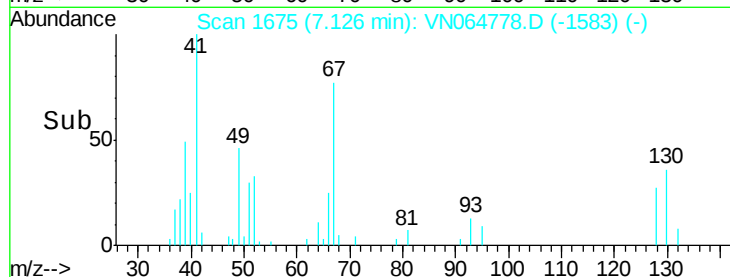
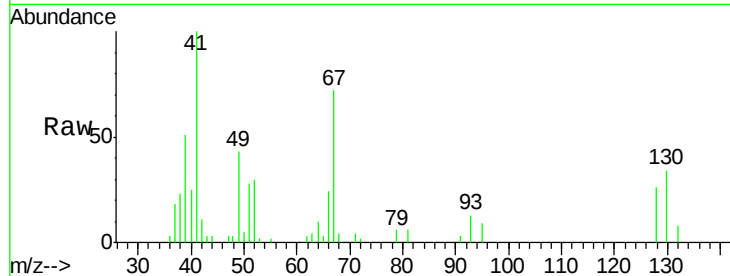
#41
Methacrylonitrile
Concen: 22.153 ug/l
RT: 7.13 min Scan# 1675
Delta R.T. -0.00 min
Lab File: VN064778.D
Acq: 23 Nov 2020 12:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	62.4	51.0	76.6	
67	79.2	79.8	119.8	
52	32.8	31.5	47.3	

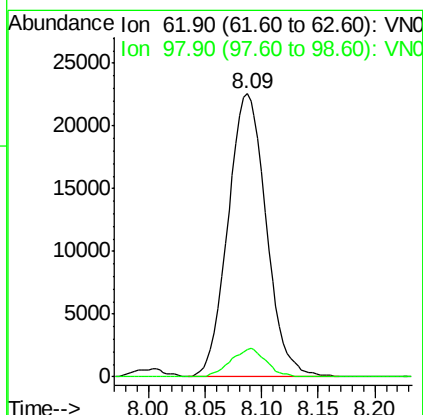
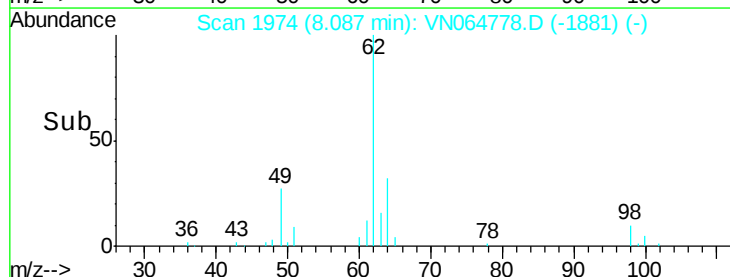
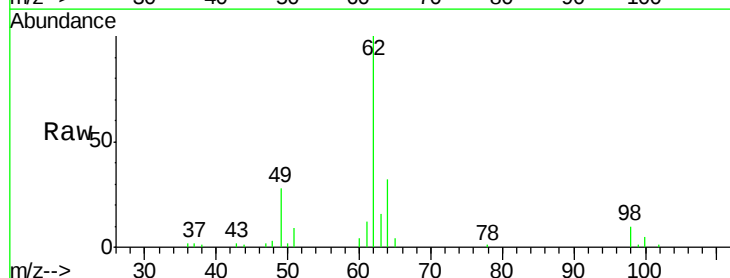
Manual Integrations
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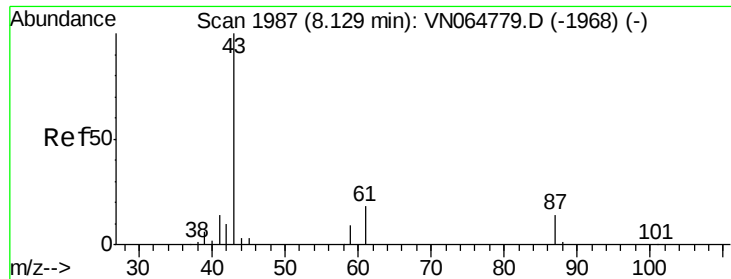
MMDadoda
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#42
1,2-Dichloroethane
Concen: 15.495 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN064778.D
Acq: 23 Nov 2020 12:18

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.2	0.0	19.6	





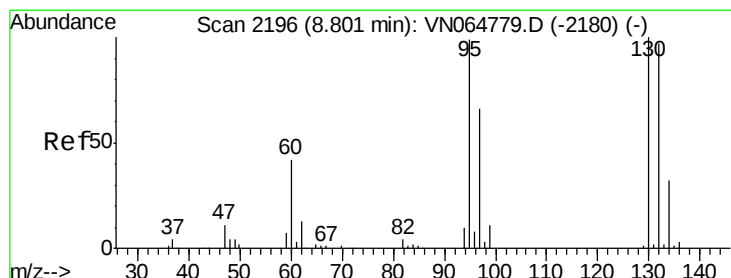
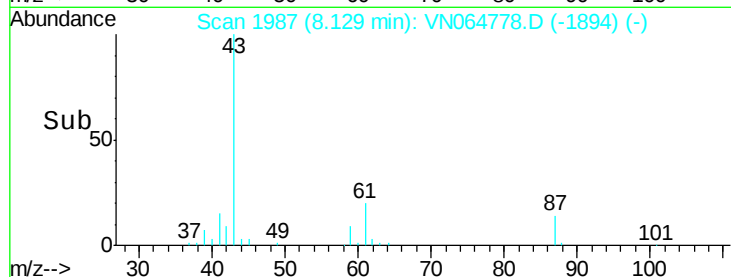
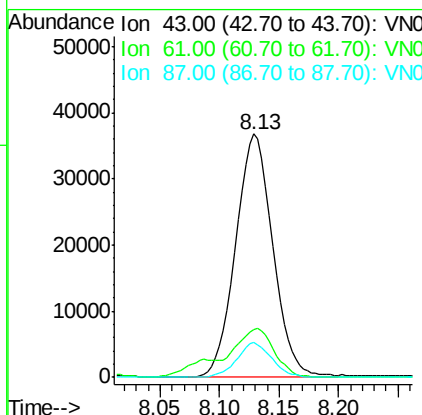
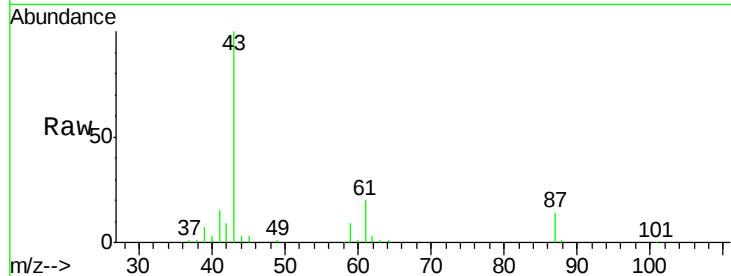
#43
Isopropyl Acetate
Concen: 16.857 ug/l
RT: 8.13 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VN064778.D
Acq: 23 Nov 2020 12:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.9	17.2	25.8
87	13.3	11.4	17.0

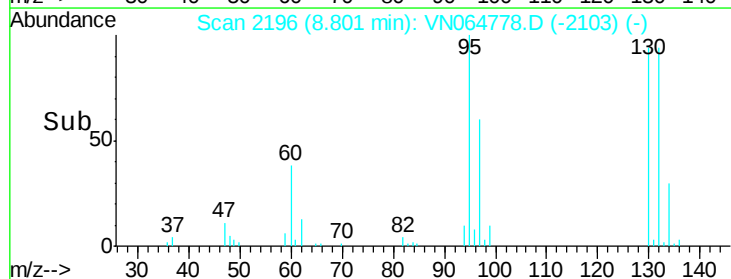
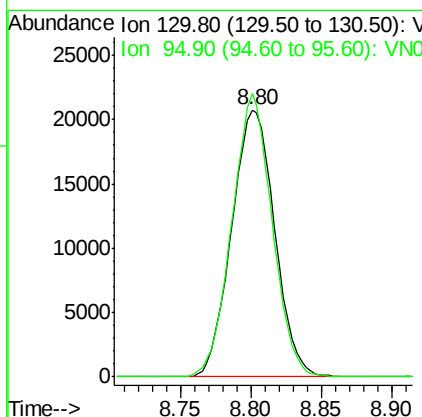
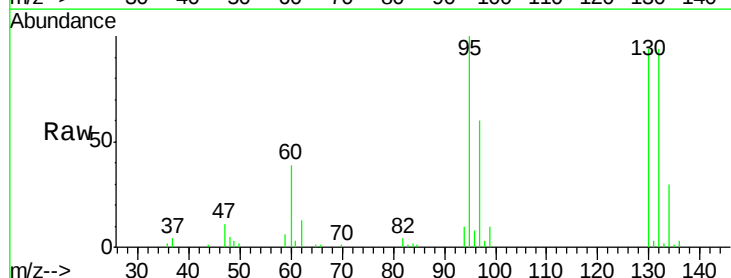
Manual Integrations
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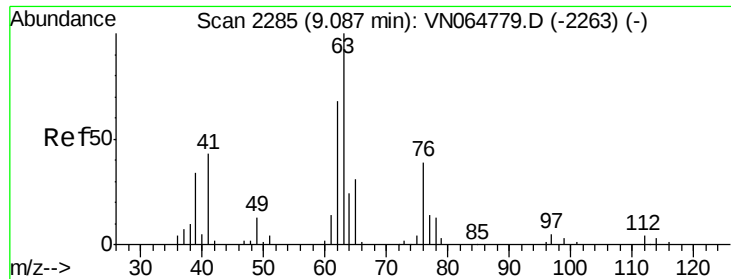
MMDadoda
11/24/2020 3:01:08 PM



#44
Trichloroethene
Concen: 18.471 ug/l
RT: 8.80 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VN064778.D
Acq: 23 Nov 2020 12:18

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.9	0.0	197.8





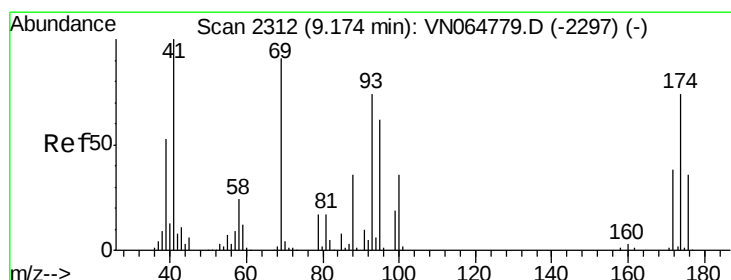
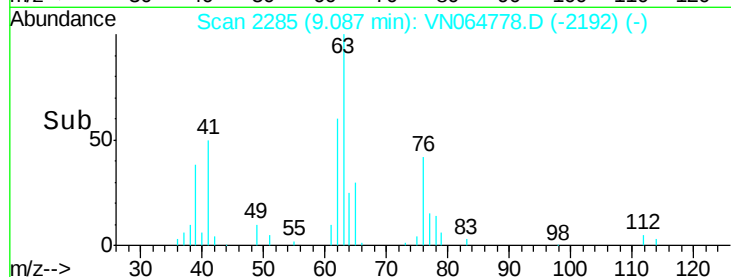
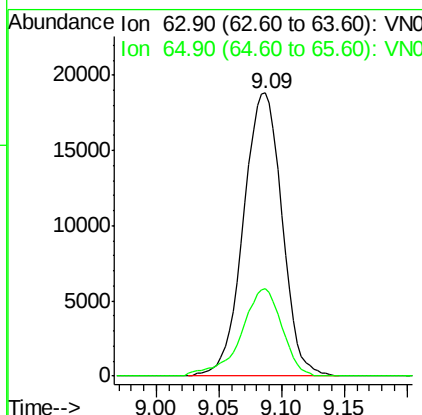
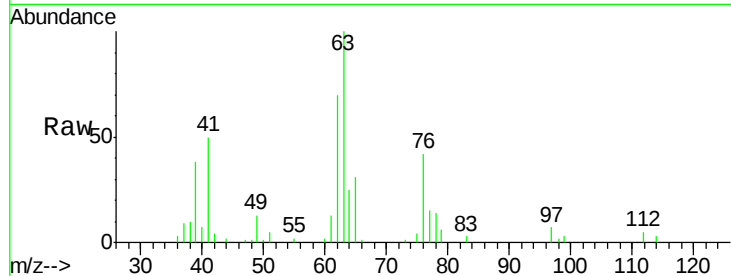
#45
 1,2-Dichloropropane
 Concen: 18.350 ug/l
 RT: 9.09 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN064778.D
 Acq: 23 Nov 2020 12:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion: 63 Resp: 40208
 Ion Ratio Lower Upper
 63 100
 65 30.7 25.0 37.4

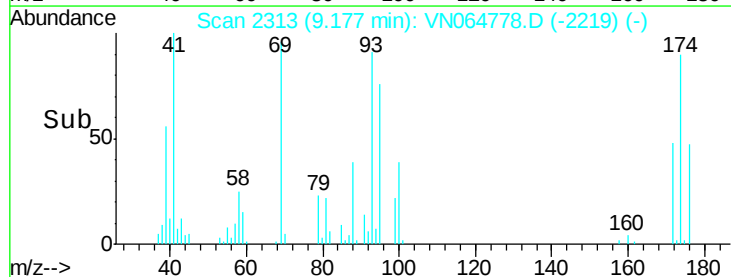
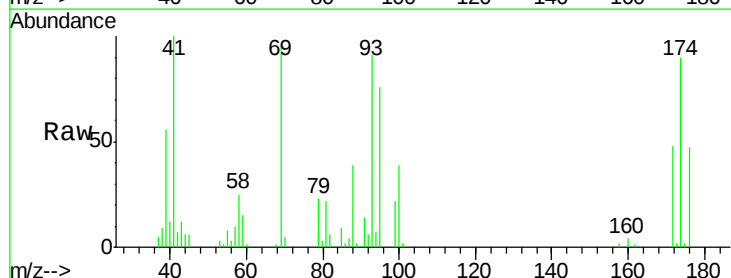
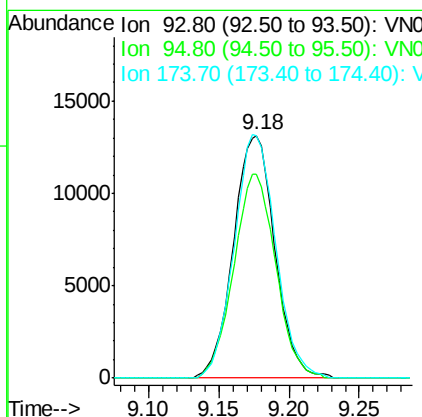
Manual Integrations
 APPROVED

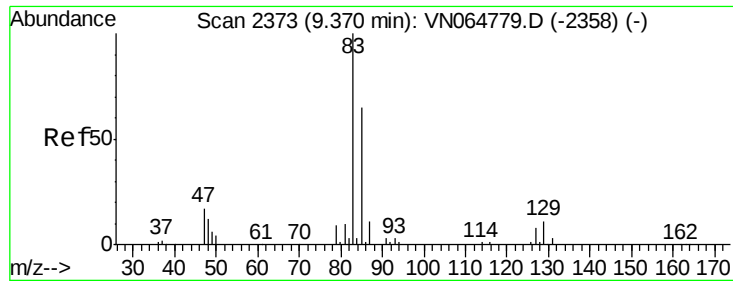
MMDadoda
 11/24/2020 3:01:08 PM



#46
 Dibromomethane
 Concen: 17.606 ug/l
 RT: 9.18 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN064778.D
 Acq: 23 Nov 2020 12:18

Tgt Ion: 93 Resp: 27039
 Ion Ratio Lower Upper
 93 100
 95 84.9 68.8 103.2
 174 100.5 83.1 124.7





#47

Bromodichloromethane

Concen: 16.746 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN064778.D

Acq: 23 Nov 2020 12:18

Instrument :

MSVOA_N

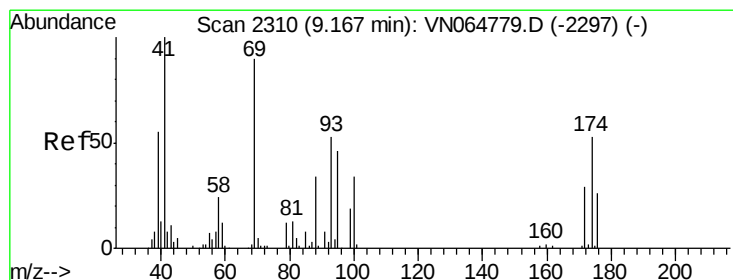
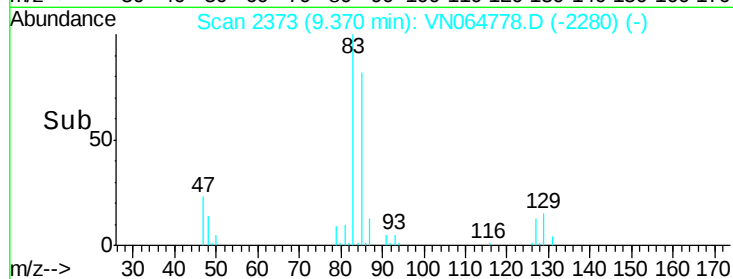
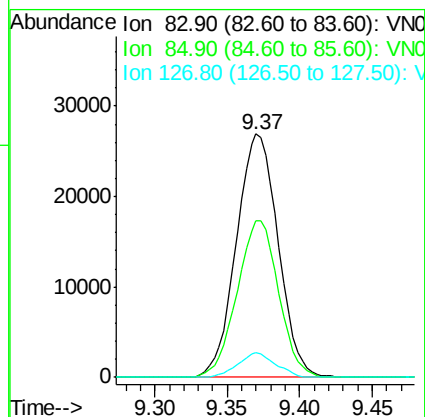
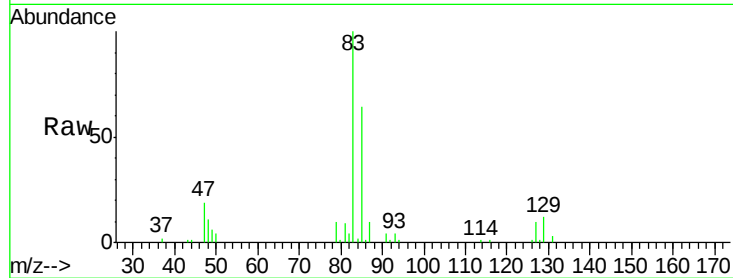
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	53830
Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.8	77.8
127	10.0	6.8	10.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 16.835 ug/l

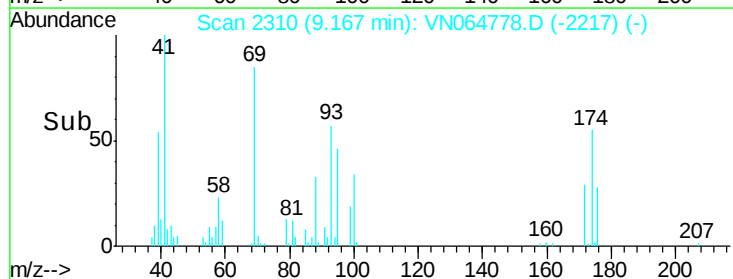
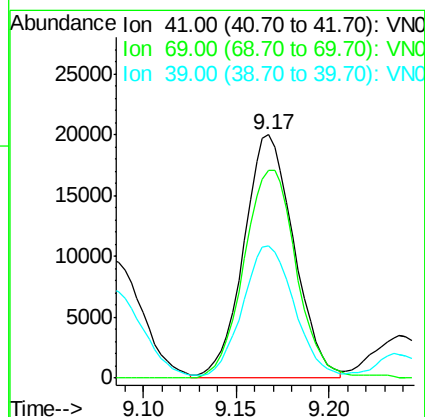
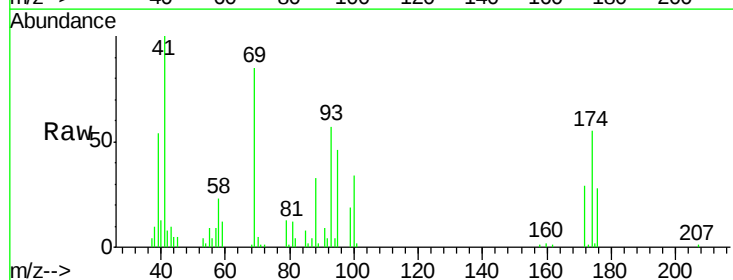
RT: 9.17 min Scan# 2310

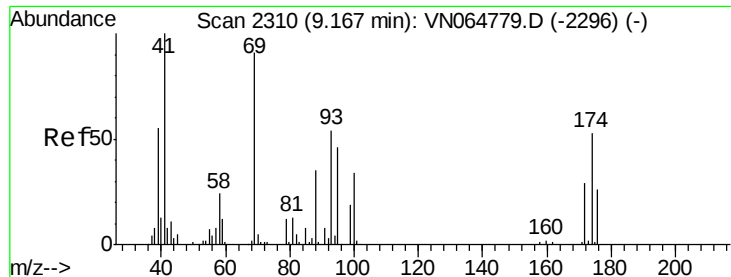
Delta R.T. -0.00 min

Lab File: VN064778.D

Acq: 23 Nov 2020 12:18

Tgt Ion:	41	Resp:	37580
Ion	Ratio	Lower	Upper
41	100		
69	89.0	71.8	107.8
39	56.4	44.1	66.1





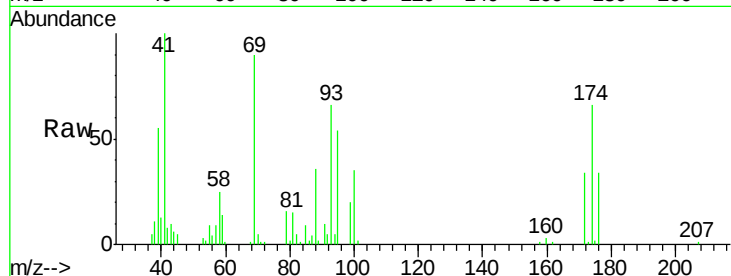
#49
1,4-Dioxane
Concen: 464.227 ug/l
RT: 9.17 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN064778.D
Acq: 23 Nov 2020 12:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.2	24.2	36.4
58	68.3	52.5	78.7

Manual Integrations
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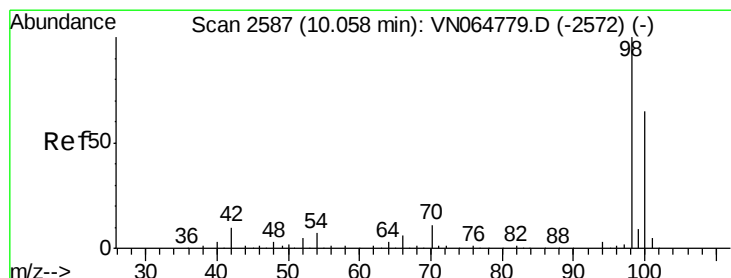
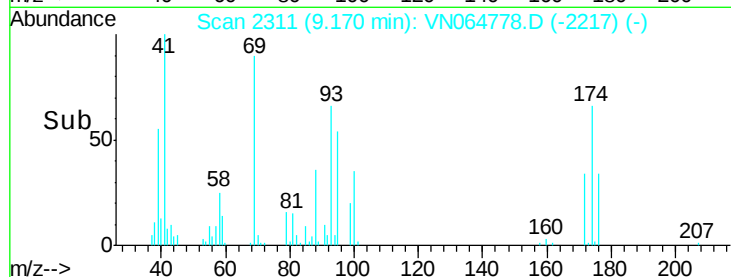
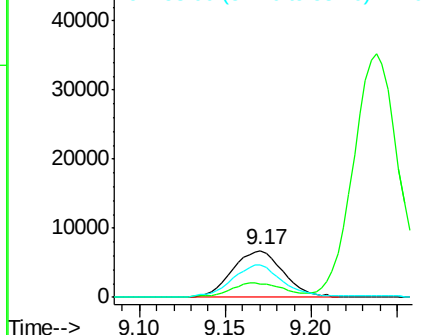
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Abundance Ion 88.00 (87.70 to 88.70): VN064778.D (-2217) (-)

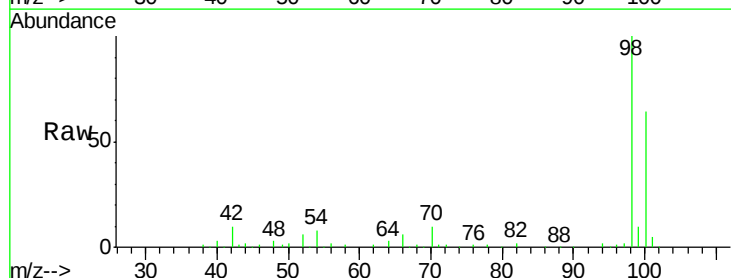
Ion 43.00 (42.70 to 43.70): VN064778.D (-2217) (-)

Ion 58.00 (57.70 to 58.70): VN064778.D (-2217) (-)



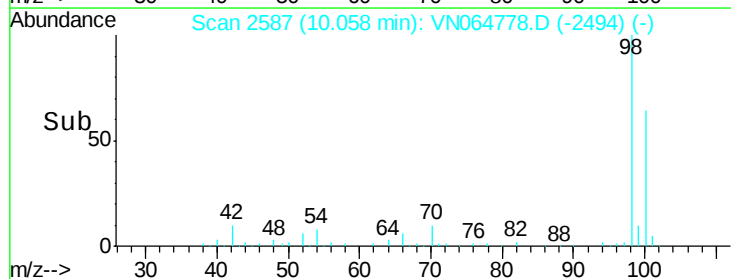
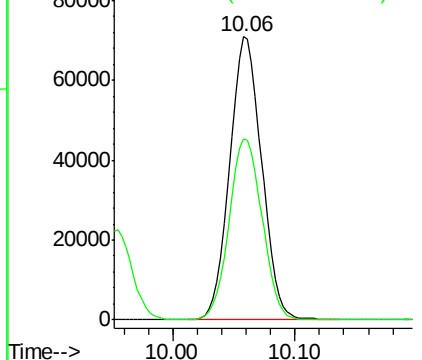
#50
Toluene-d8
Concen: 17.462 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN064778.D
Acq: 23 Nov 2020 12:18

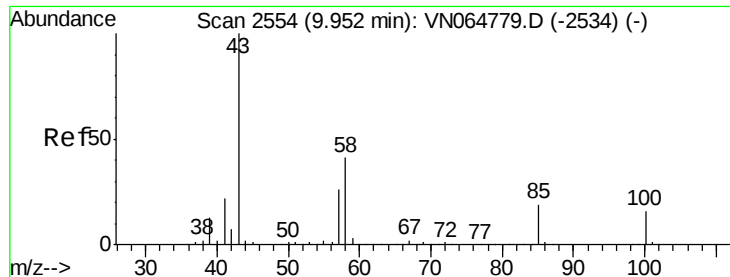
Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.9	51.7	77.5



Abundance Ion 98.00 (97.70 to 98.70): VN064778.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN064778.D (-2494) (-)





#51

4-Methyl-2-Pentanone

Concen: 95.322 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN064778.D

Acq: 23 Nov 2020 12:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 246336

Ion Ratio Lower Upper

43 100

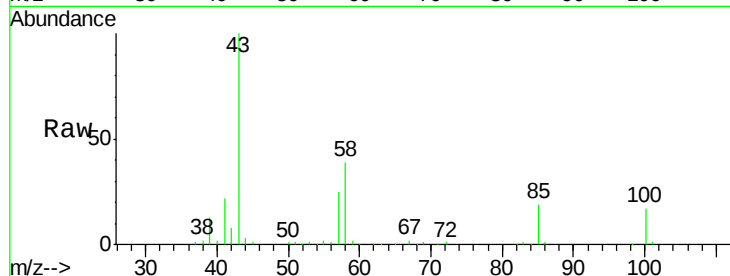
58 38.9 32.4 48.6

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Abundance Ion 43.00 (42.70 to 43.70): VN064778.D (-2461) (-)

Ion 58.00 (57.70 to 58.70): VN064778.D (-2461) (-)

9.95

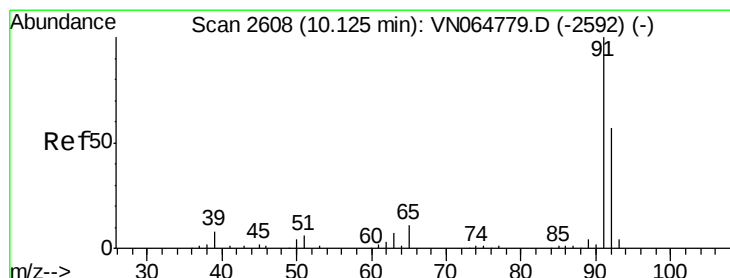
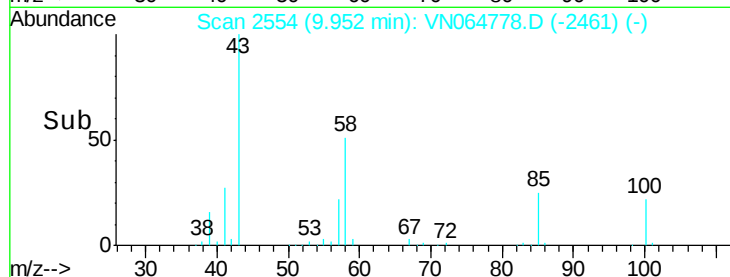
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 18.961 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. -0.00 min

Lab File: VN064778.D

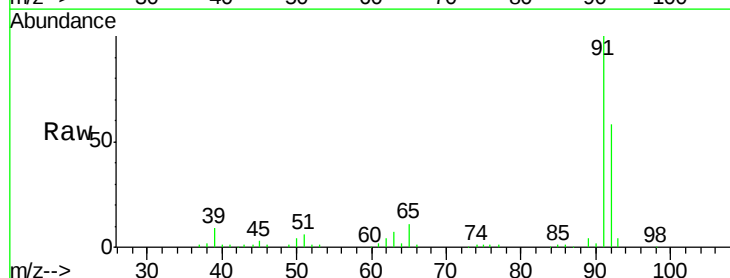
Acq: 23 Nov 2020 12:18

Tgt Ion: 92 Resp: 96064

Ion Ratio Lower Upper

92 100

91 172.9 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VN064778.D (-2515) (-)

Ion 91.00 (90.70 to 91.70): VN064778.D (-2515) (-)

10.13

100000

80000

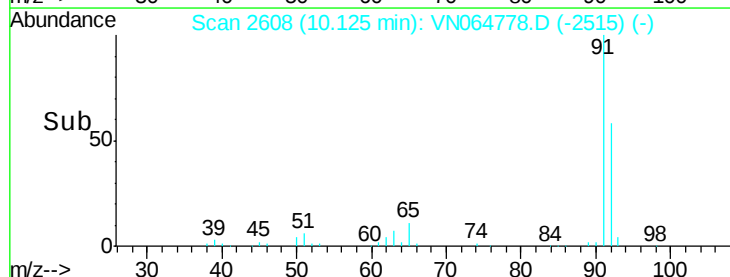
60000

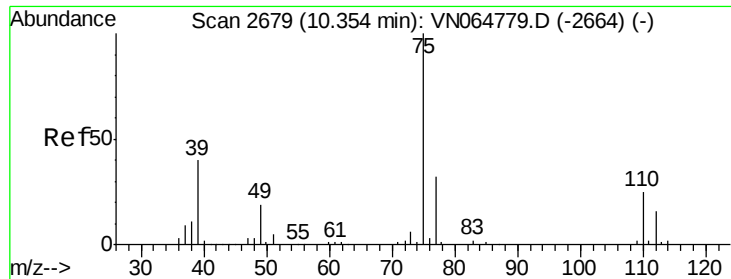
40000

20000

0

Time-->





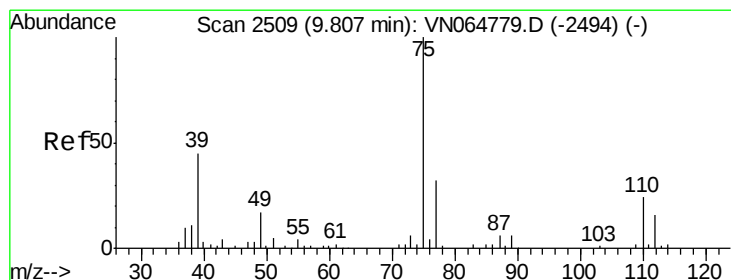
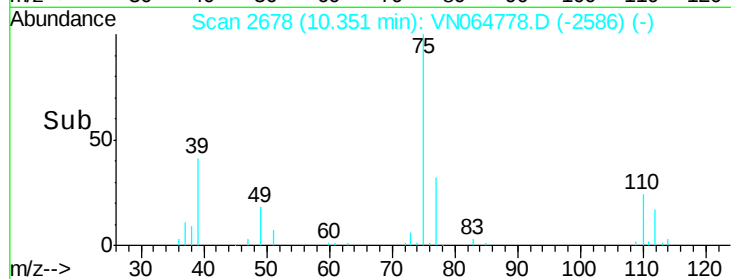
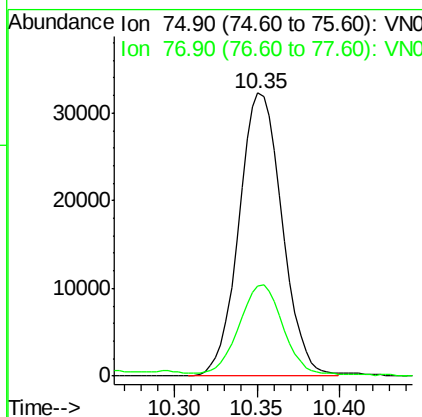
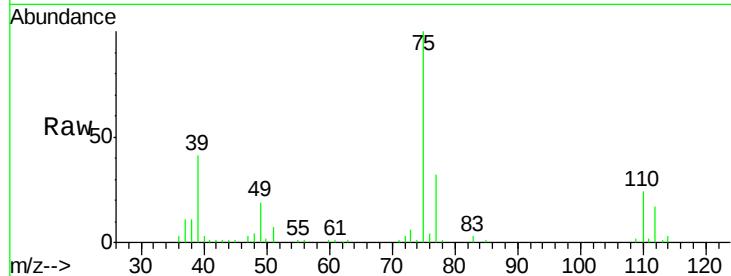
#53
t-1,3-Dichloropropene
Concen: 17.007 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VN064778.D
Acq: 23 Nov 2020 12:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 75 Resp: 58608
Ion Ratio Lower Upper
75 100
77 31.2 25.8 38.6

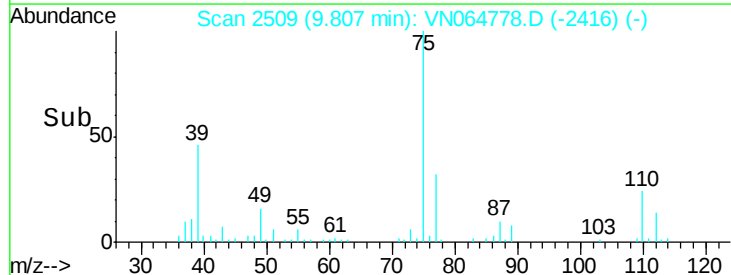
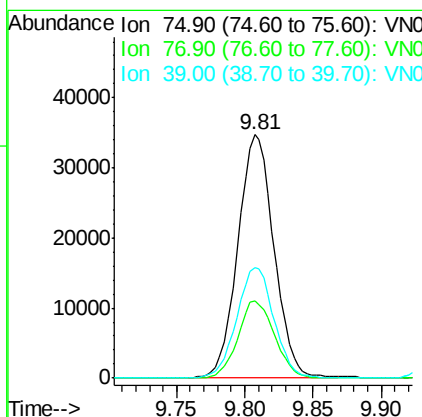
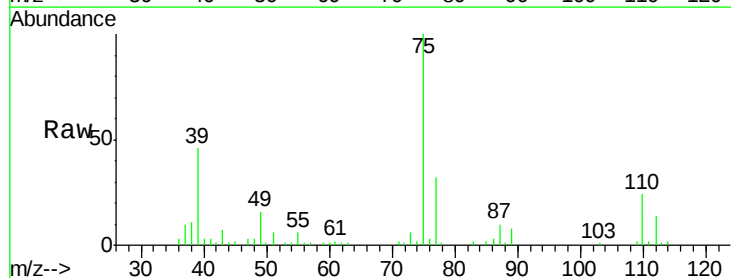
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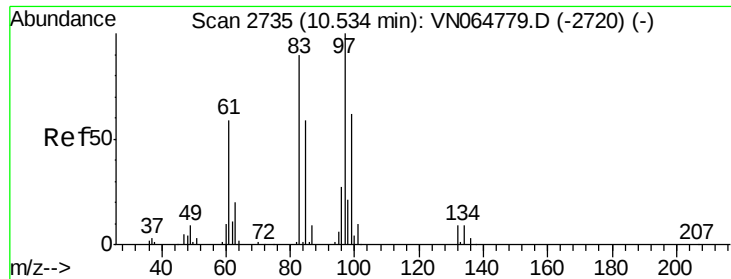
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#54
cis-1,3-Dichloropropene
Concen: 17.750 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN064778.D
Acq: 23 Nov 2020 12:18

Tgt Ion: 75 Resp: 63828
Ion Ratio Lower Upper
75 100
77 31.8 25.5 38.3
39 45.6 35.6 53.4





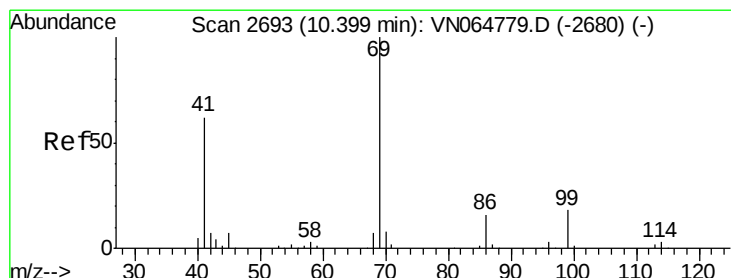
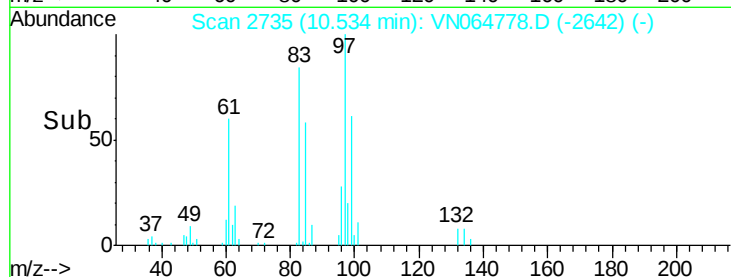
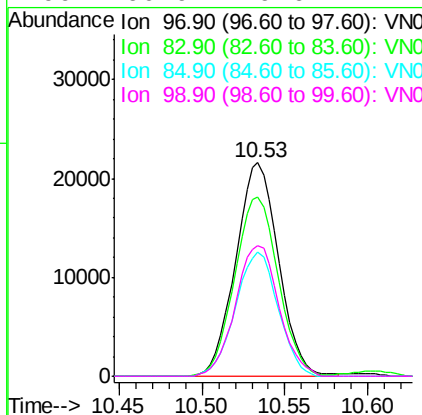
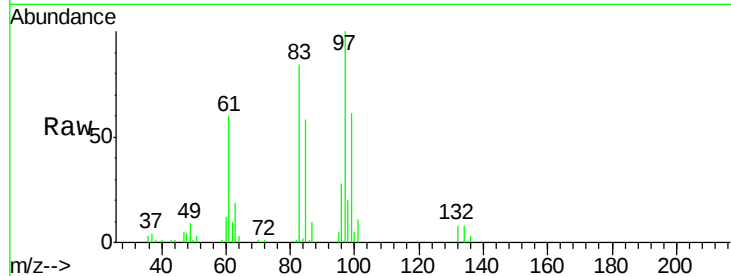
#55
 1,1,2-Trichloroethane
 Concen: 19.099 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. -0.00 min
 Lab File: VN064778.D
 Acq: 23 Nov 2020 12:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	38797
Ion	Ratio	Lower	Upper
97	100		
83	83.9	72.1	108.1
85	57.9	46.8	70.2
99	60.9	49.6	74.4

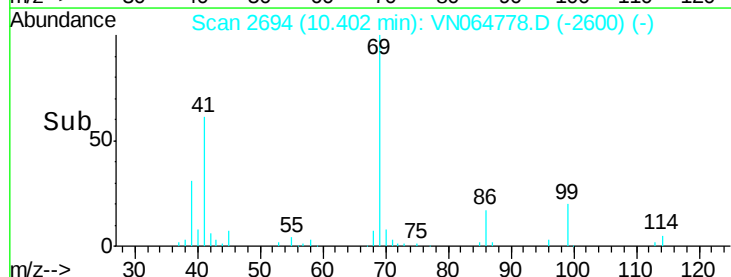
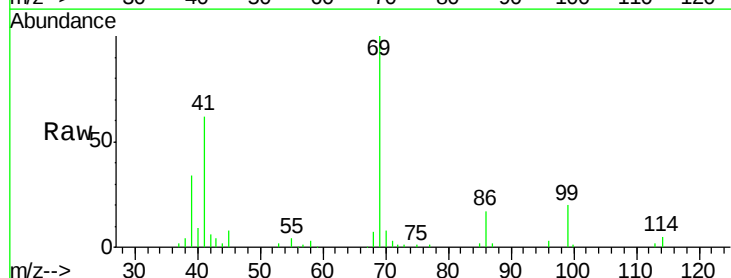
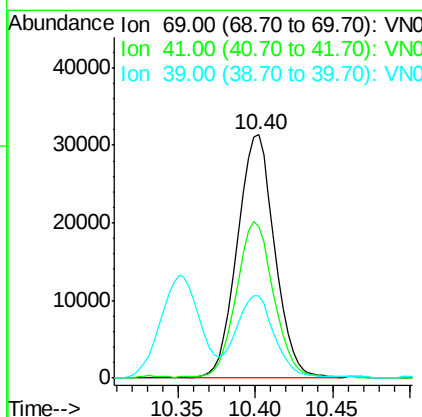
Manual Integrations
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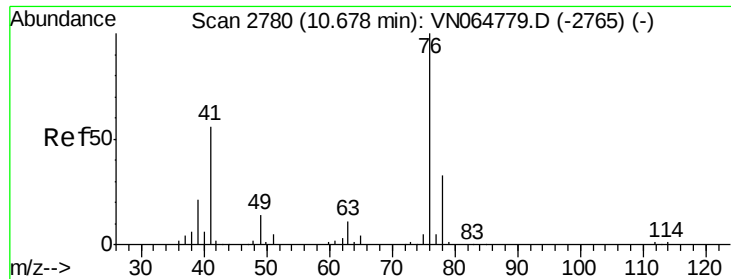
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 11/24/2020 3:01:08 PM



#56
 Ethyl methacrylate
 Concen: 18.605 ug/l
 RT: 10.40 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VN064778.D
 Acq: 23 Nov 2020 12:18

Tgt Ion:	69	Resp:	52753
Ion	Ratio	Lower	Upper
69	100		
41	64.8	49.4	74.0
39	34.4	25.9	38.9





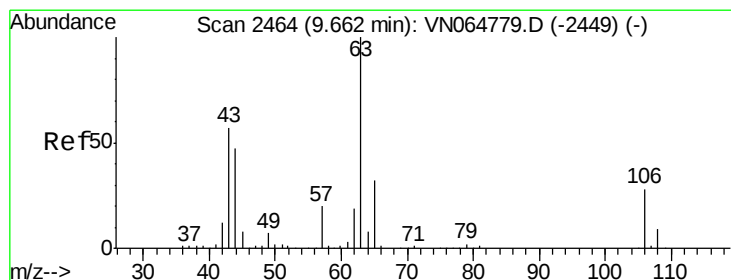
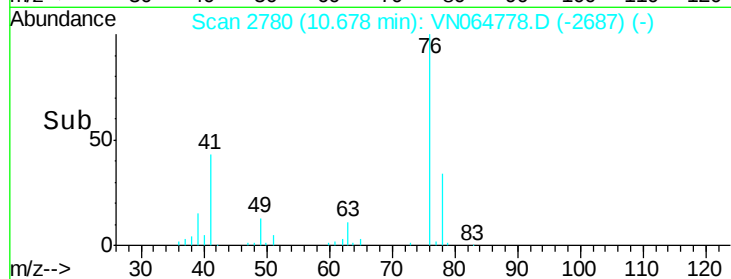
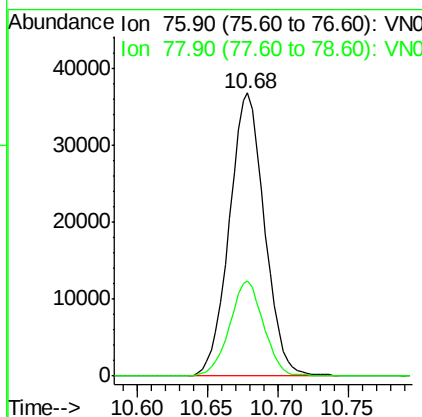
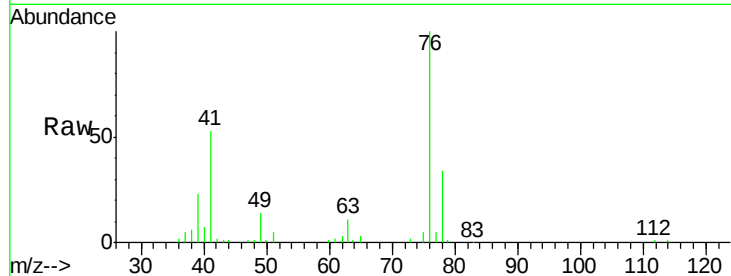
#57
 1,3-Dichloropropane
 Concen: 18.308 ug/l
 RT: 10.68 min Scan# 2780
 Delta R.T. -0.00 min
 Lab File: VN064778.D
 Acq: 23 Nov 2020 12:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion: 76 Resp: 64380
 Ion Ratio Lower Upper
 76 100
 78 32.4 26.1 39.1

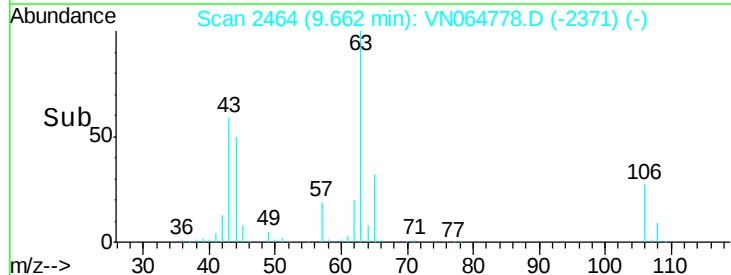
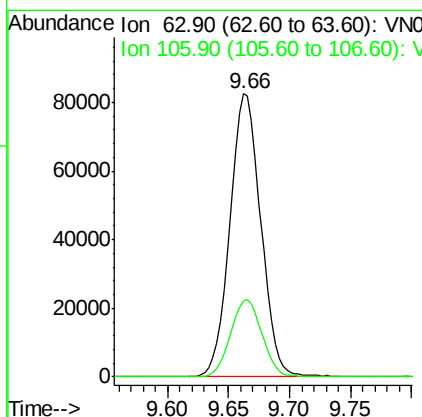
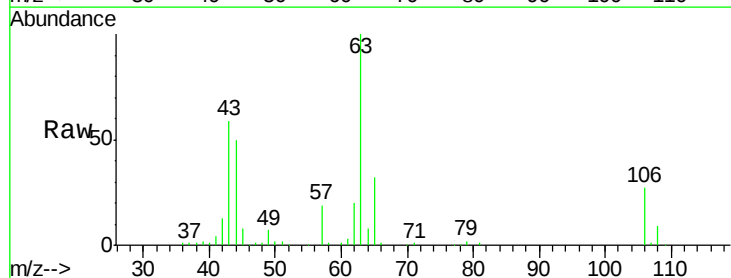
Manual Integrations
 APPROVED

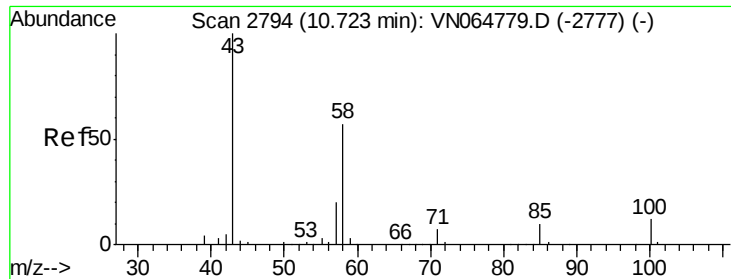
MMDadoda
 11/24/2020 3:01:08 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 93.177 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN064778.D
 Acq: 23 Nov 2020 12:18

Tgt Ion: 63 Resp: 145634
 Ion Ratio Lower Upper
 63 100
 106 27.7 22.7 34.1





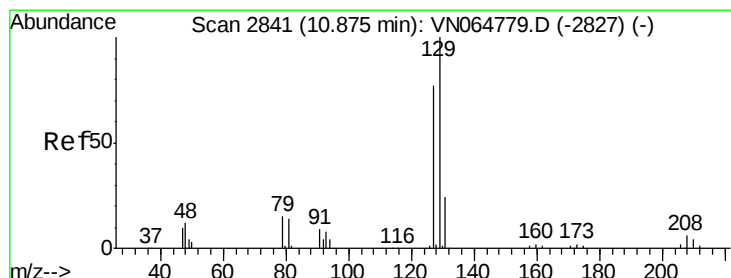
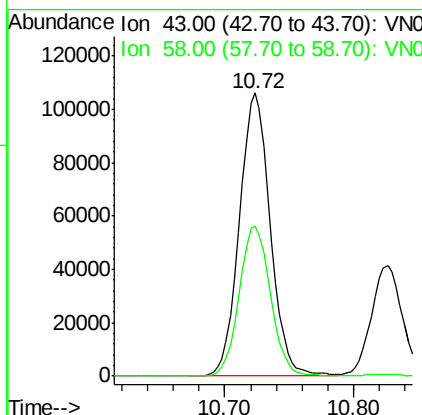
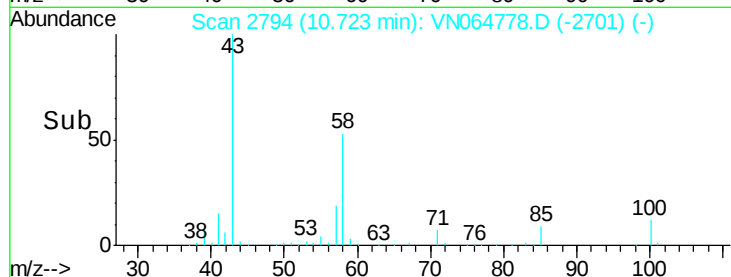
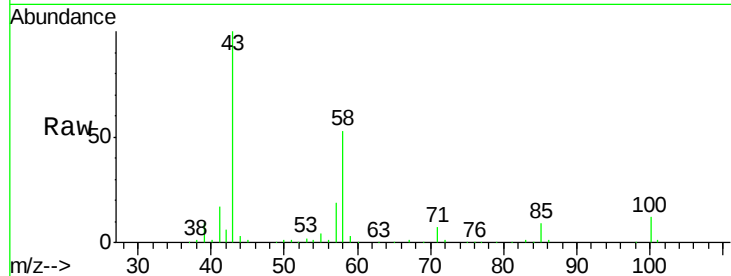
#59
2-Hexanone
Concen: 94.658 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064778.D
Acq: 23 Nov 2020 12:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 176638
Ion Ratio Lower Upper
43 100
58 53.7 28.3 84.9

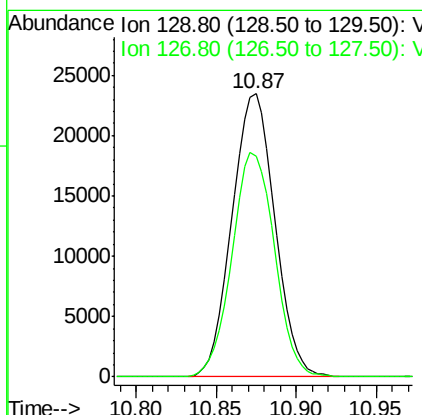
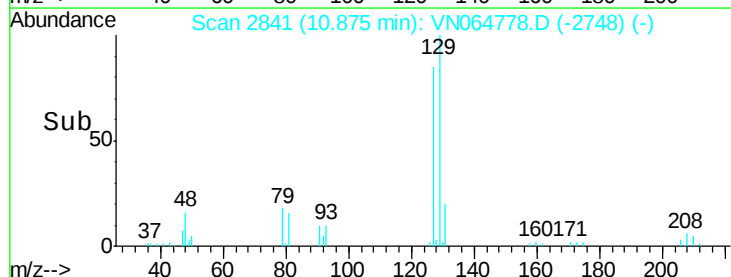
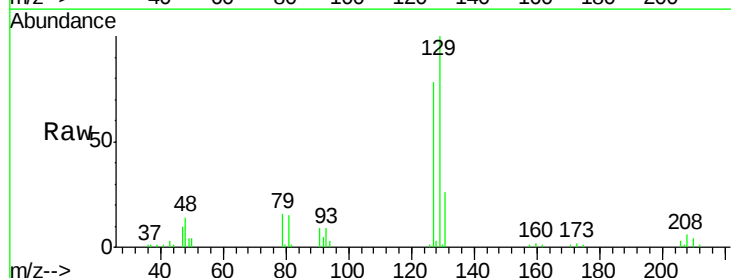
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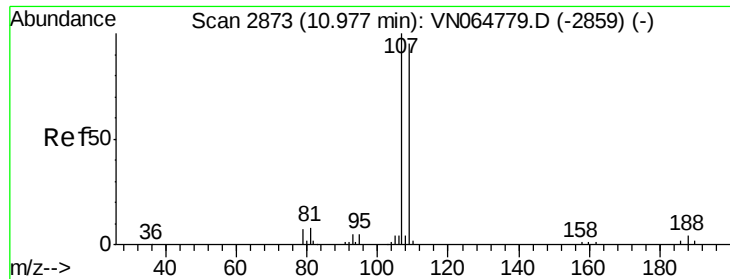
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#60
Dibromochloromethane
Concen: 18.215 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. -0.00 min
Lab File: VN064778.D
Acq: 23 Nov 2020 12:18

Tgt Ion: 129 Resp: 42916
Ion Ratio Lower Upper
129 100
127 78.5 39.1 117.2





#61

1,2-Dibromoethane

Concen: 18.579 ug/l

RT: 10.98 min Scan# 2873

Delta R.T. -0.00 min

Lab File: VN064778.D

Acq: 23 Nov 2020 12:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 107 Resp: 40336

Ion Ratio Lower Upper

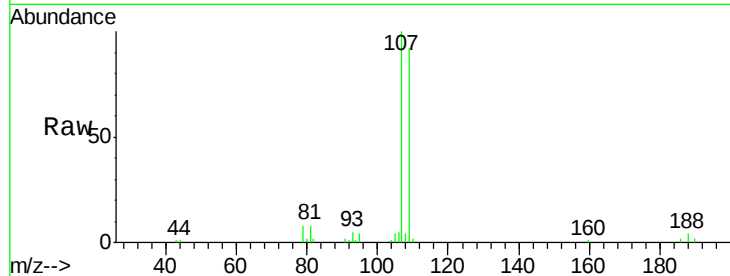
107 100

109 94.5 76.0 114.0

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

10.98

25000

20000

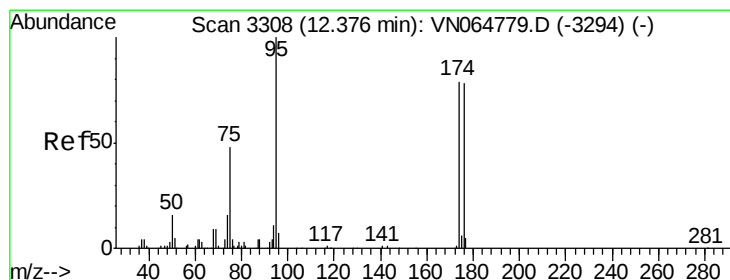
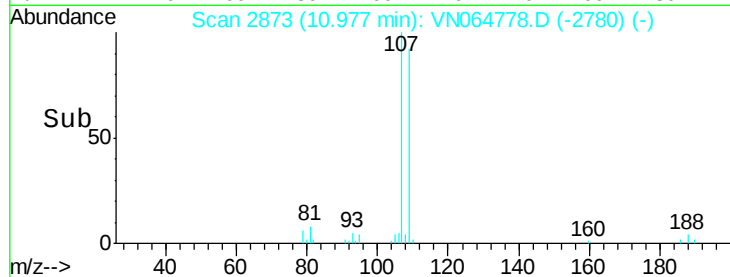
15000

10000

5000

0

Time--> 10.90 10.95 11.00 11.05



#62

4-Bromofluorobenzene

Concen: 16.180 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064778.D

Acq: 23 Nov 2020 12:18

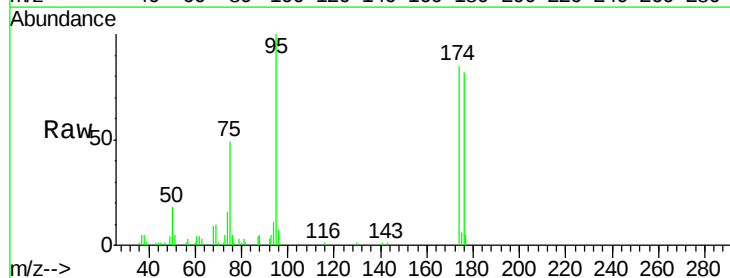
Tgt Ion: 95 Resp: 44411

Ion Ratio Lower Upper

95 100

174 84.2 0.0 160.4

176 80.6 0.0 158.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.38

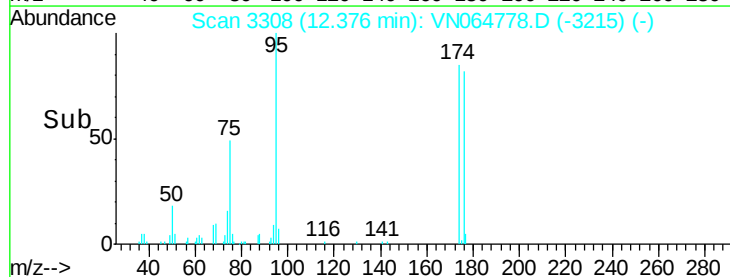
30000

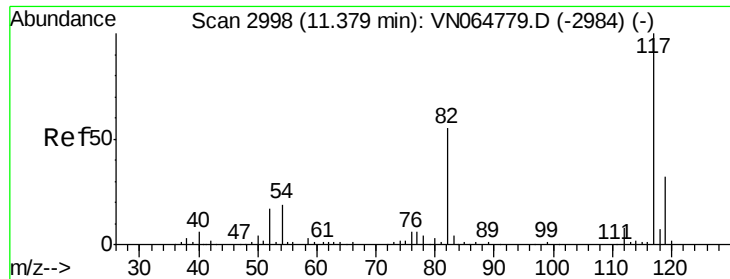
20000

10000

0

Time--> 12.30 12.35 12.40





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. -0.00 min

Lab File: VN064778.D

Acq: 23 Nov 2020 12:18

Instrument :

MSVOA_N

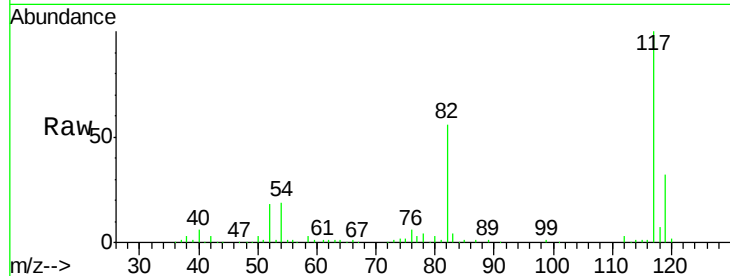
ClientSampleId :

VSTDIC020

Tot Ion:	117	Resp:	265051
Ion Ratio	Lower	Upper	
117	100		
82	55.7	44.2	66.2
119	32.2	25.8	38.6

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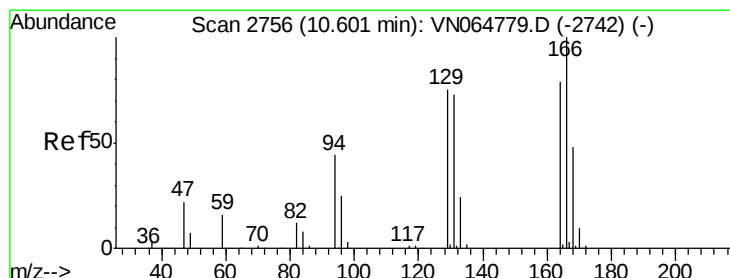
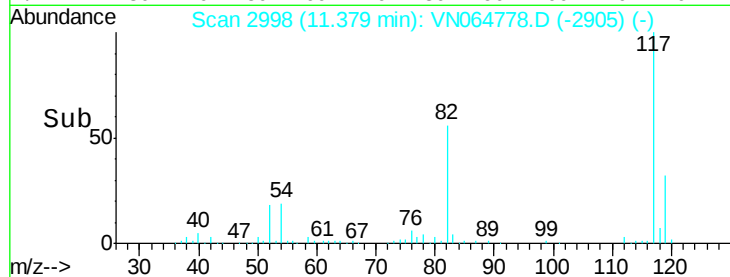
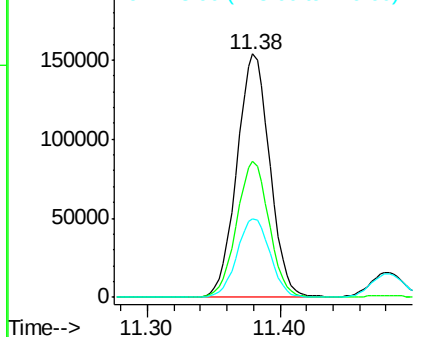


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 20.120 ug/l

RT: 10.60 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VN064778.D

Acq: 23 Nov 2020 12:18

Tgt Ion:	164	Resp:	47712
Ion Ratio	Lower	Upper	
164	100		
166	128.4	101.4	152.0
129	97.9	76.1	114.1
131	94.4	74.2	111.2

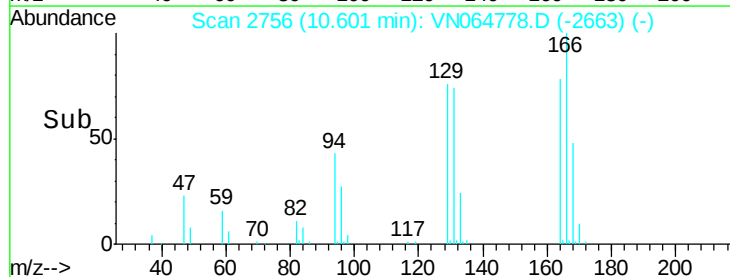
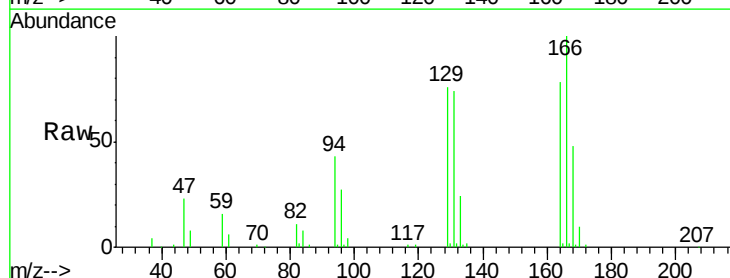
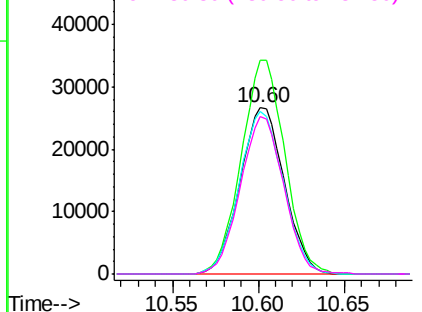
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





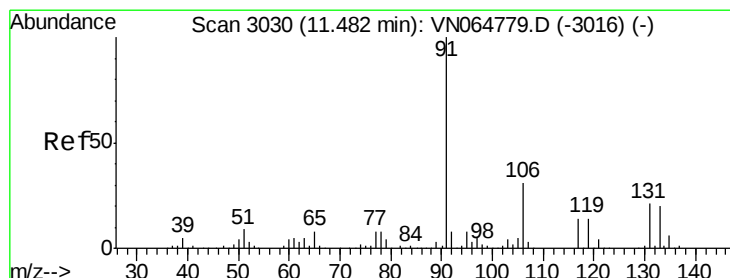
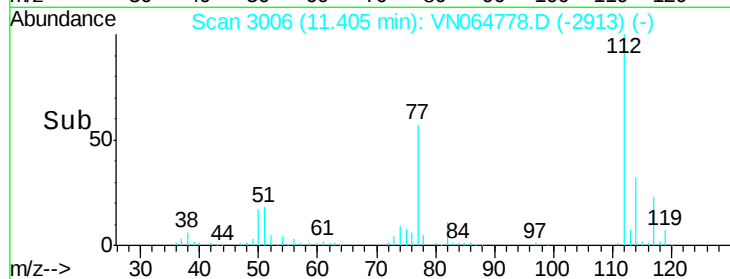
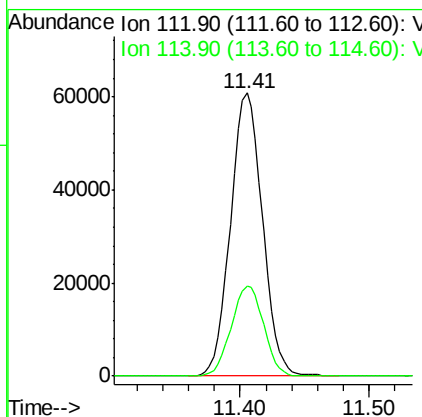
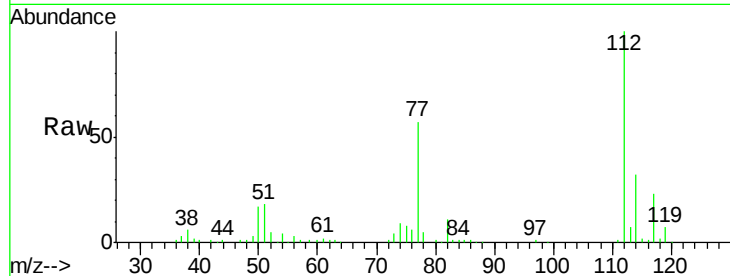
#65
Chlorobenzene
Concen: 18.666 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN064778.D
Acq: 23 Nov 2020 12:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion:112 Resp: 104459
Ion Ratio Lower Upper
112 100
114 31.8 25.1 37.7

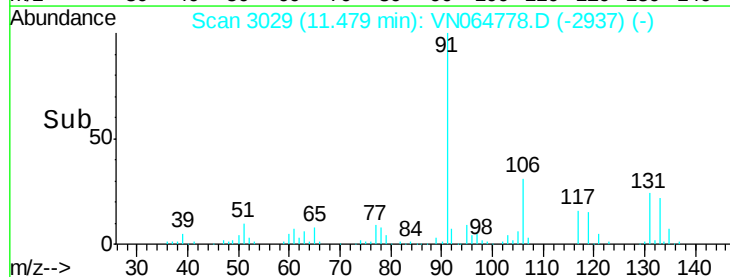
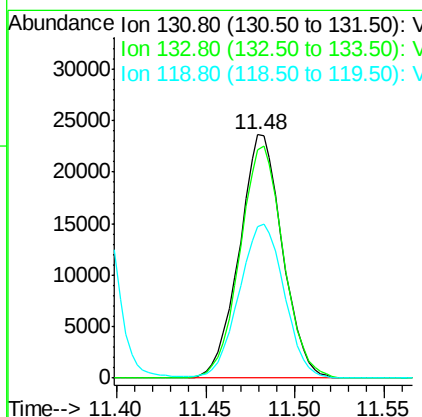
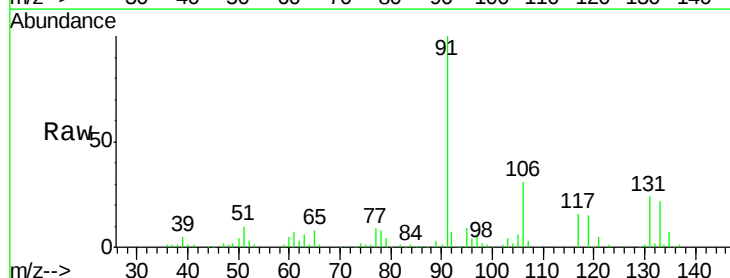
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.904 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN064778.D
Acq: 23 Nov 2020 12:18

Tgt Ion:131 Resp: 39718
Ion Ratio Lower Upper
131 100
133 96.2 47.5 142.5
119 66.4 33.3 99.8





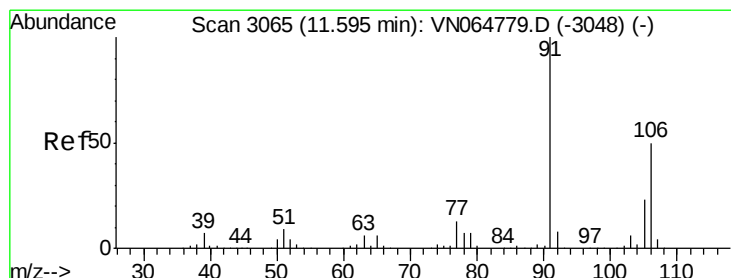
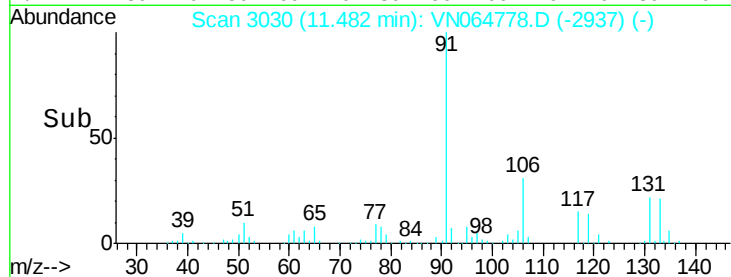
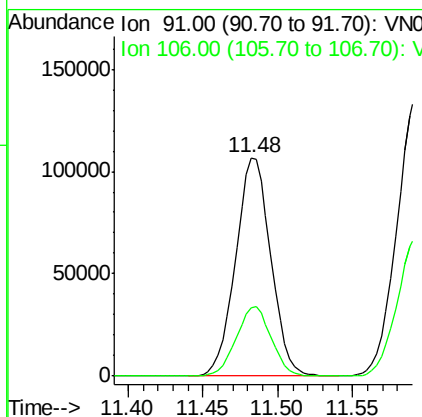
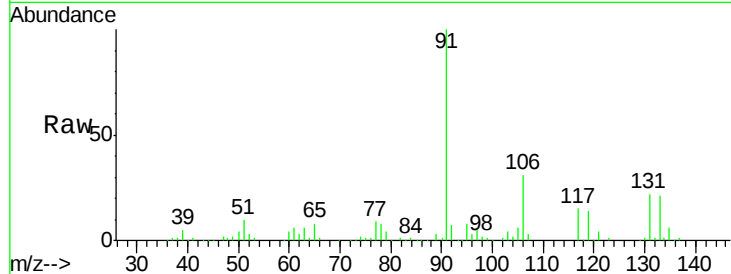
#67
Ethyl Benzene
Concen: 17.791 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: VN064778.D
Acq: 23 Nov 2020 12:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 174616
Ion Ratio Lower Upper
91 100
106 31.4 25.2 37.8

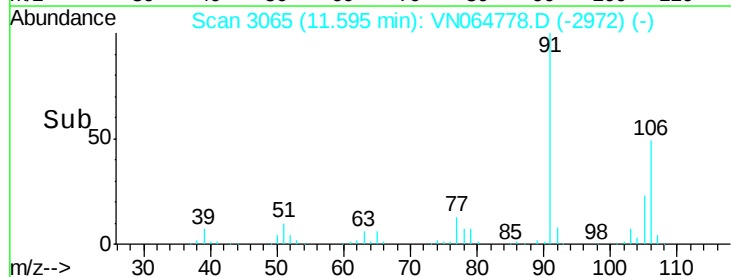
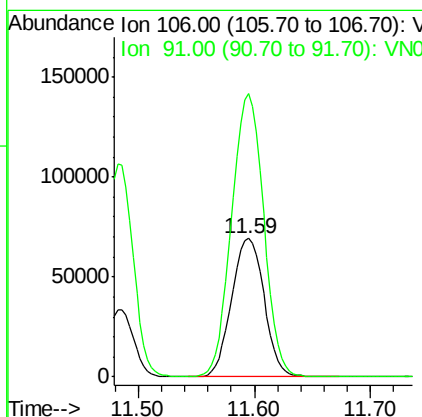
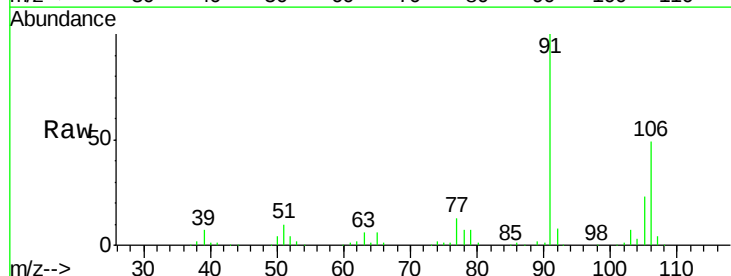
Manual Integrations
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#68
m/p-Xylenes
Concen: 38.061 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. -0.00 min
Lab File: VN064778.D
Acq: 23 Nov 2020 12:18

Tgt Ion: 106 Resp: 135012
Ion Ratio Lower Upper
106 100
91 201.1 161.0 241.4





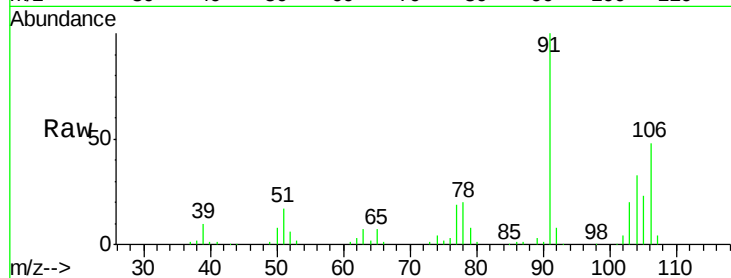
#69
o-Xylene
Concen: 18.959 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN064778.D
Acq: 23 Nov 2020 12:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

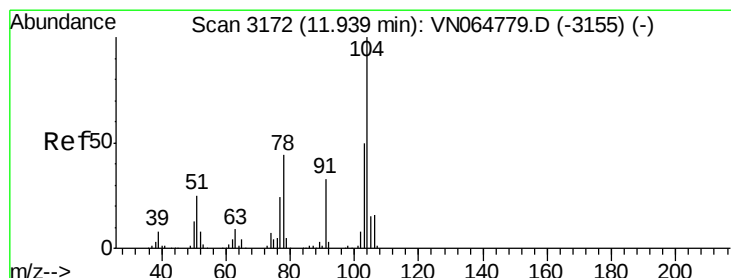
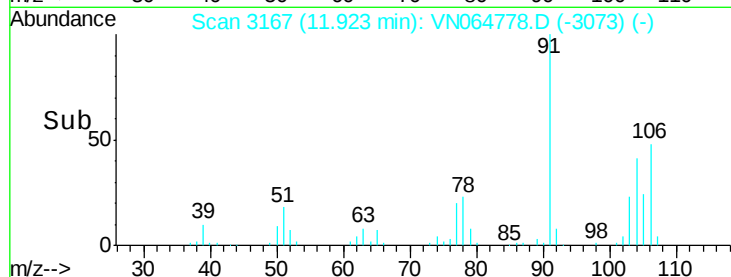
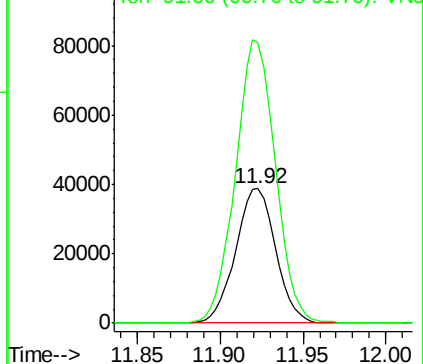
Tot Ion:106 Resp: 65286
Ion Ratio Lower Upper
106 100
91 210.7 105.5 316.5

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11/24/2020 3:01:08 PM

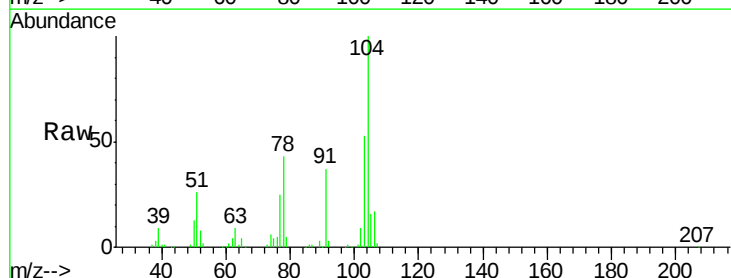


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

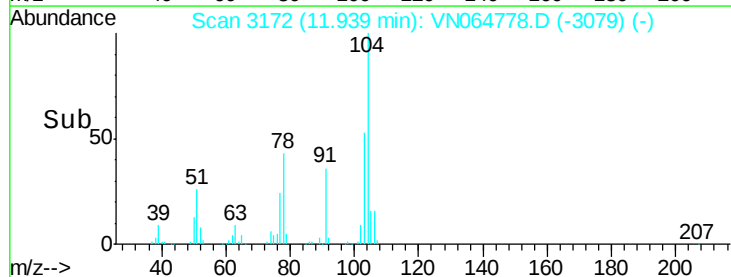
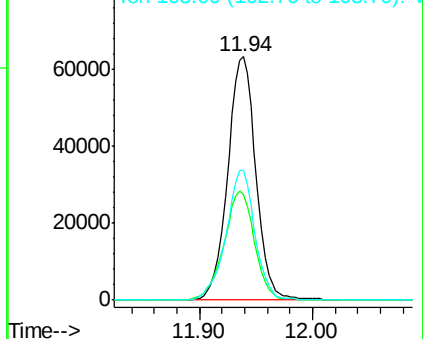


#70
Styrene
Concen: 18.782 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. -0.00 min
Lab File: VN064778.D
Acq: 23 Nov 2020 12:18

Tgt Ion:104 Resp: 109512
Ion Ratio Lower Upper
104 100
78 48.5 39.0 58.6
103 54.6 44.3 66.5



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





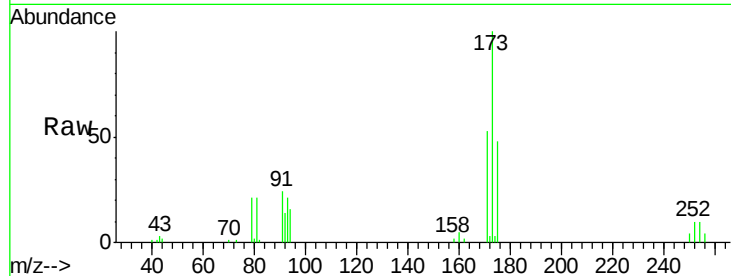
#71
Bromoform
Concen: 20.368 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN064778.D
Acq: 23 Nov 2020 12:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

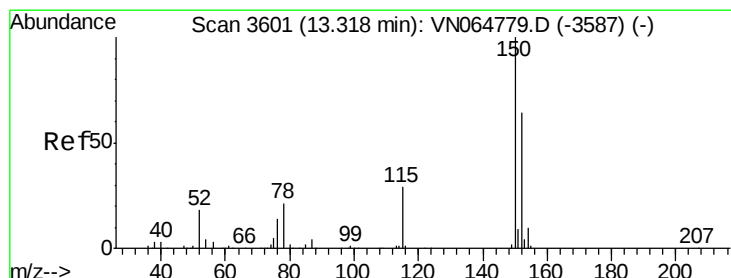
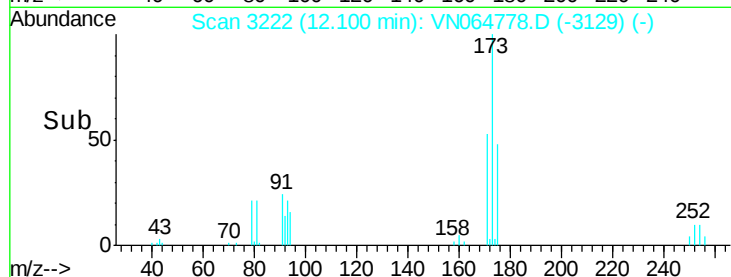
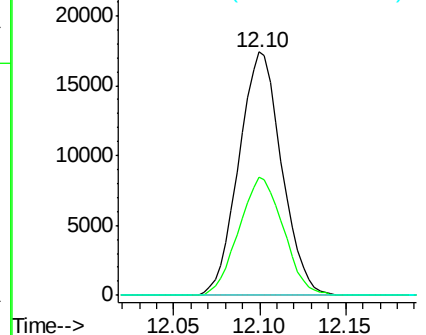
Tot Ion	Ratio	Lower	Upper
173	100		
175	50.3	24.3	72.8
254	0.0	0.0	0.0

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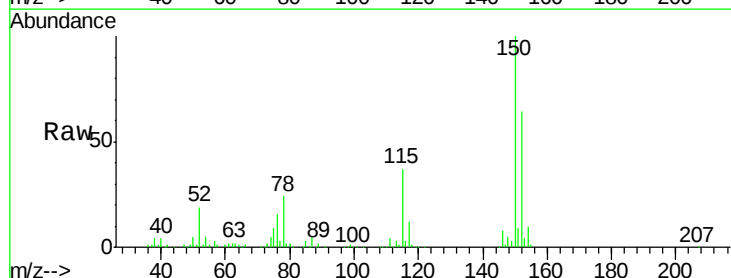


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

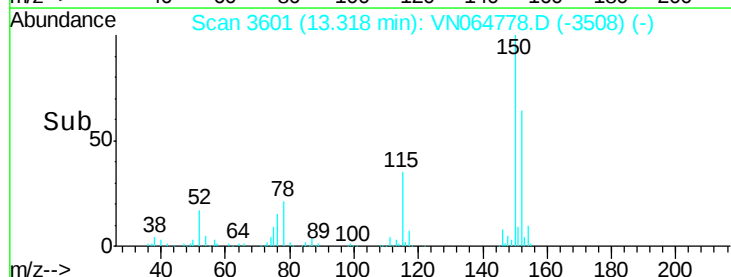
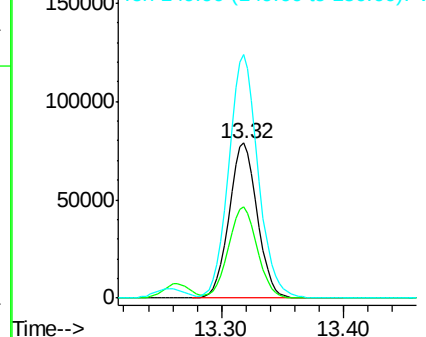


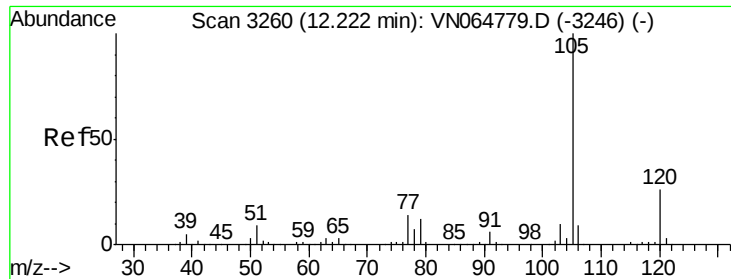
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. -0.00 min
Lab File: VN064778.D
Acq: 23 Nov 2020 12:18

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.3	29.7	89.1
150	162.3	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: 18.724 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN064778.D

Acq: 23 Nov 2020 12:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 105 Resp: 169481

Ion Ratio Lower Upper

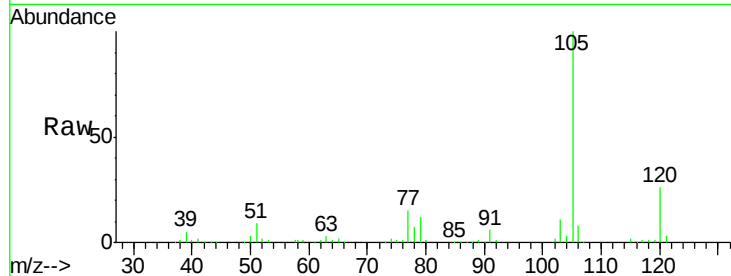
105 100

120 26.4 13.3 39.9

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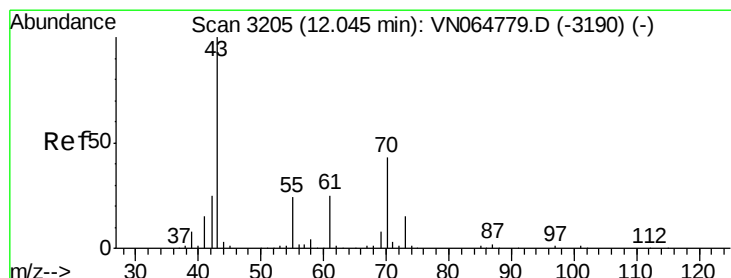
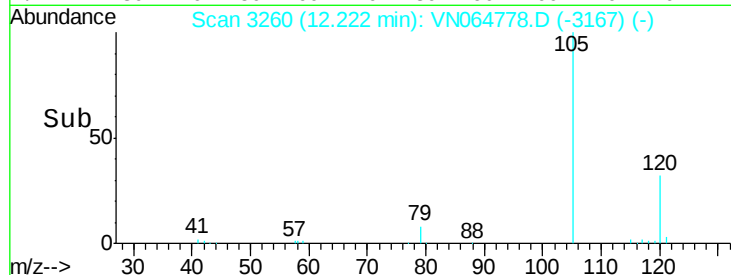
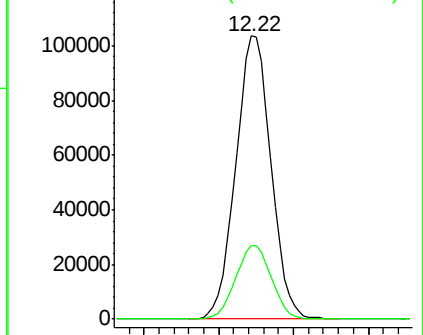
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 16.569 ug/l

RT: 12.04 min Scan# 3205

Delta R.T. -0.00 min

Lab File: VN064778.D

Acq: 23 Nov 2020 12:18

Tgt Ion: 43 Resp: 68252

Ion Ratio Lower Upper

43 100

70 42.5 34.5 51.7

55 24.6 20.4 30.6

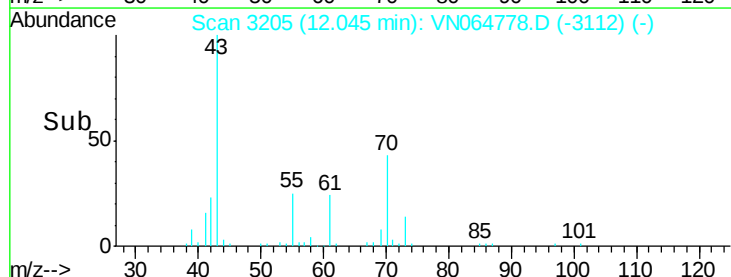
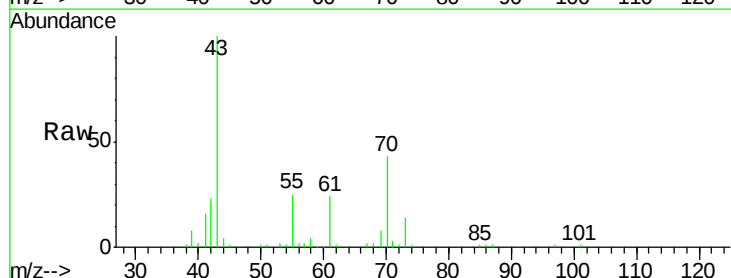
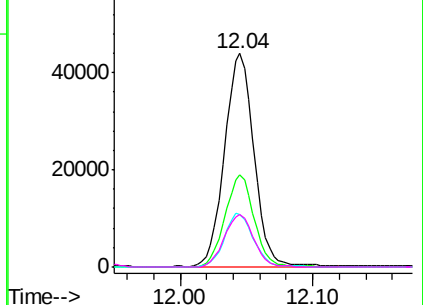
61 24.3 20.0 30.0

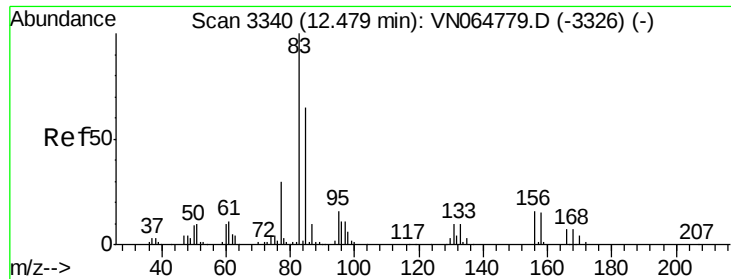
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.533 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. -0.00 min

Lab File: VN064778.D

Acq: 23 Nov 2020 12:18

Instrument :

MSVOA_N

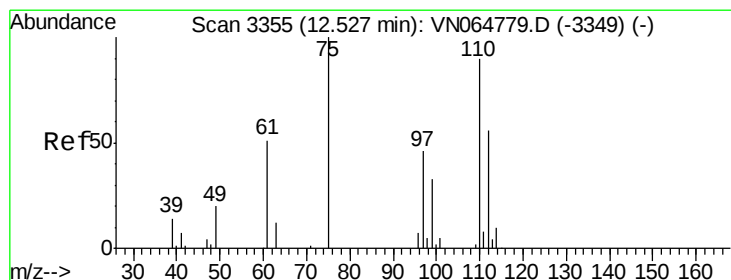
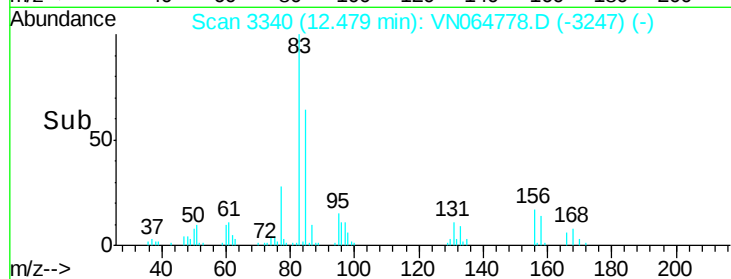
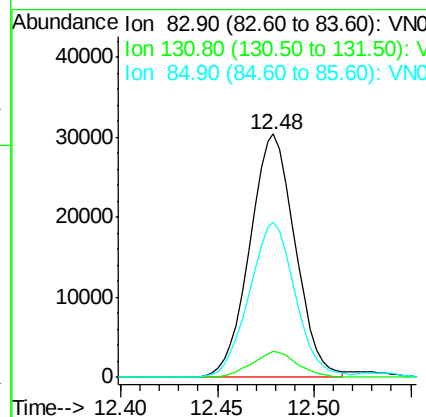
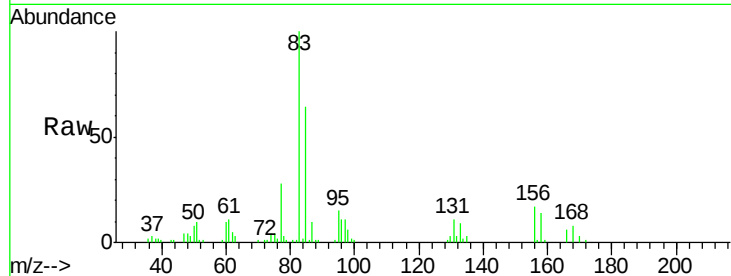
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	49668
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.1	15.3
85	64.6	33.0	99.0

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#76

1,2,3-Trichloropropane

Concen: 18.171 ug/l m

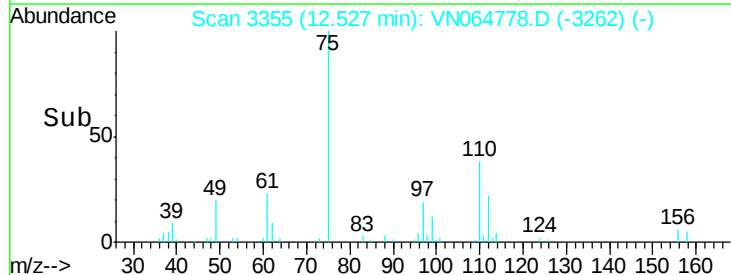
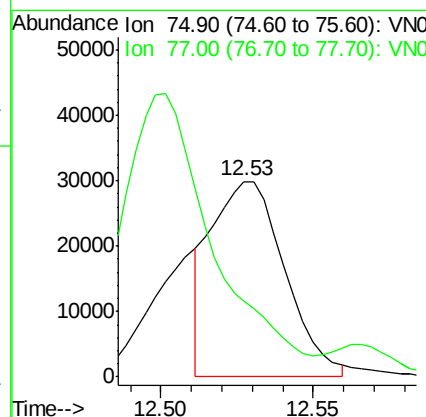
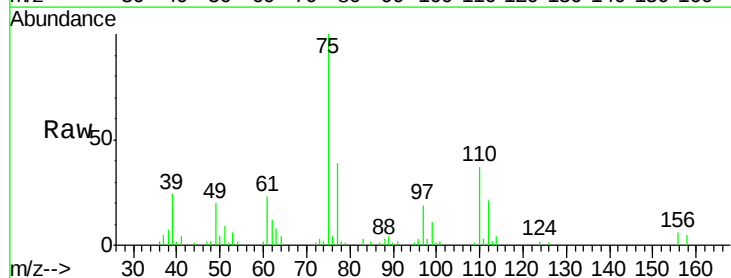
RT: 12.53 min Scan# 3355

Delta R.T. -0.00 min

Lab File: VN064778.D

Acq: 23 Nov 2020 12:18

Tgt Ion:	75	Resp:	49939
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.713 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. -0.00 min

Lab File: VN064778.D

Acq: 23 Nov 2020 12:18

Instrument :

MSVOA_N

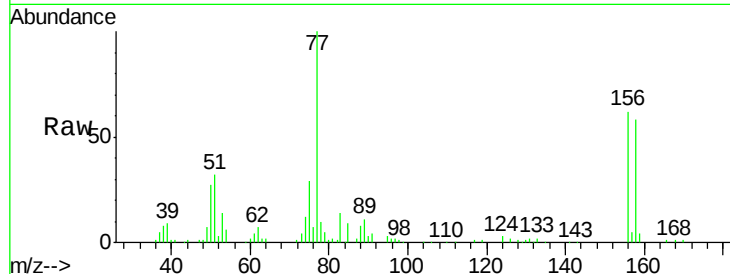
ClientSampleId :

VSTDIC020

Tot Ion	Ratio	Lower	Upper
156	100		
77	199.8	101.3	303.7
158	95.3	48.2	144.6

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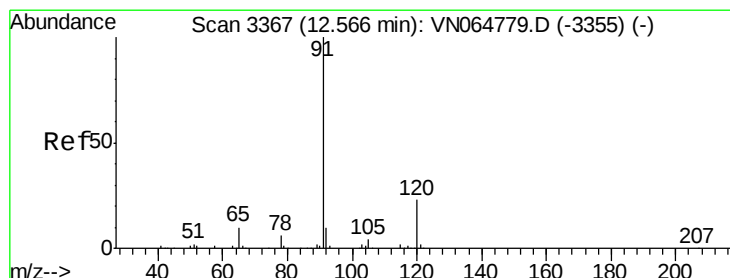
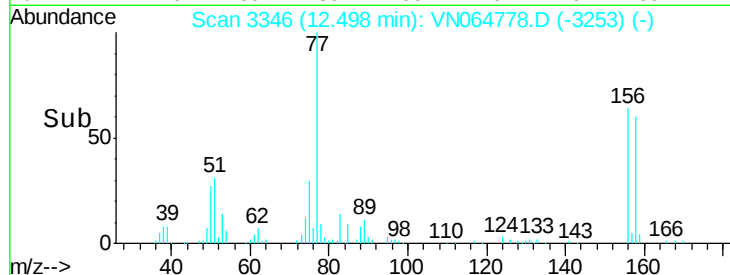
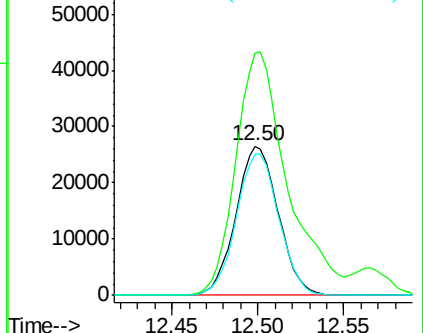


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.192 ug/l

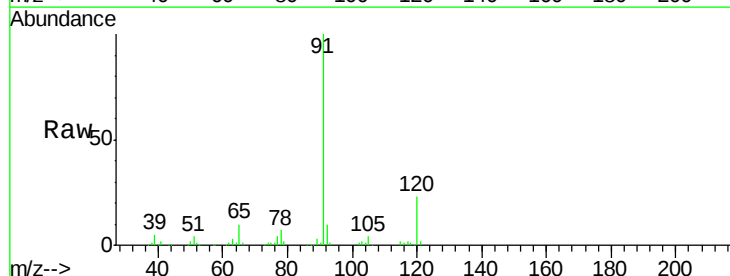
RT: 12.57 min Scan# 3367

Delta R.T. -0.00 min

Lab File: VN064778.D

Acq: 23 Nov 2020 12:18

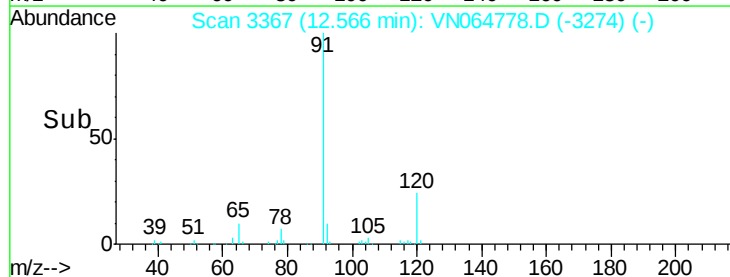
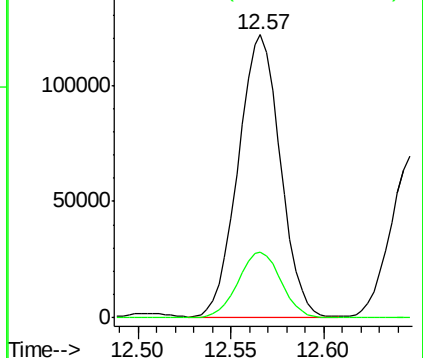
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.8	11.6	34.7

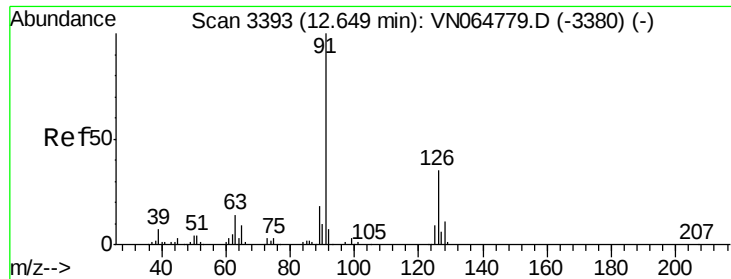


Abundance

Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 17.373 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. -0.00 min

Lab File: VN064778.D

Acq: 23 Nov 2020 12:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 116111

Ion Ratio Lower Upper

91 100

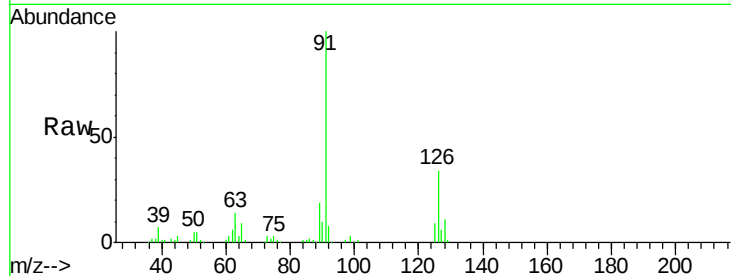
126 34.9 17.2 51.6

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN064779.D (-3380) (-)

Ion 125.90 (125.60 to 126.60): VN064779.D (-3380) (-)

100000

80000

60000

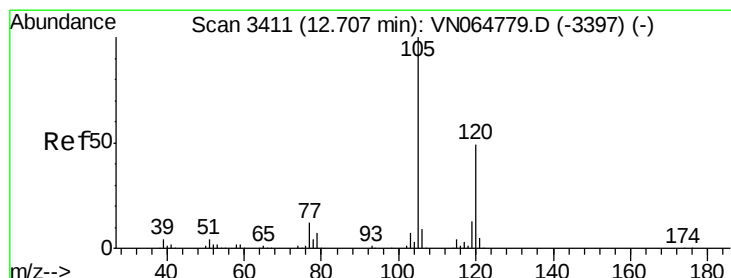
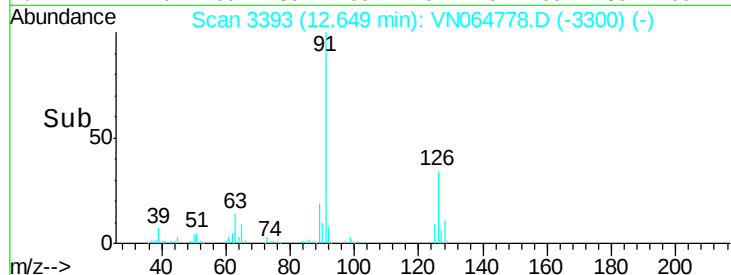
40000

20000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.269 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN064778.D

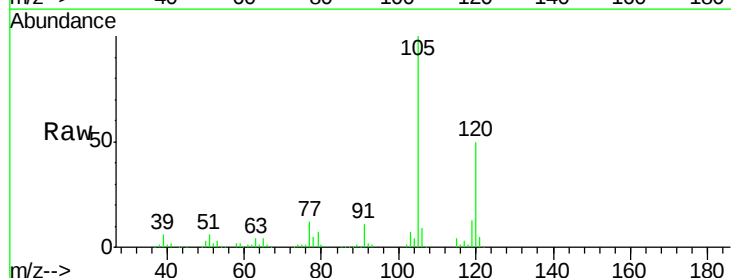
Acq: 23 Nov 2020 12:18

Tgt Ion: 105 Resp: 144731

Ion Ratio Lower Upper

105 100

120 50.1 24.6 73.6



Abundance Ion 105.00 (104.70 to 105.70): VN064779.D (-3397) (-)

Ion 120.00 (119.70 to 120.70): VN064779.D (-3397) (-)

100000

80000

60000

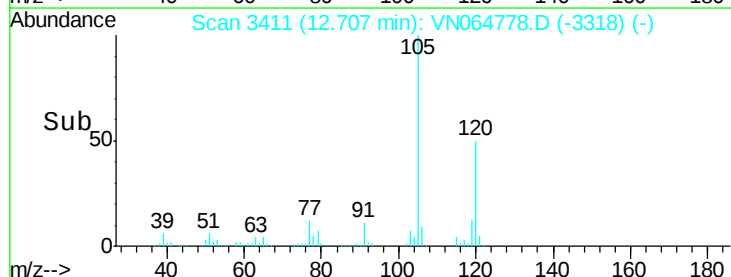
40000

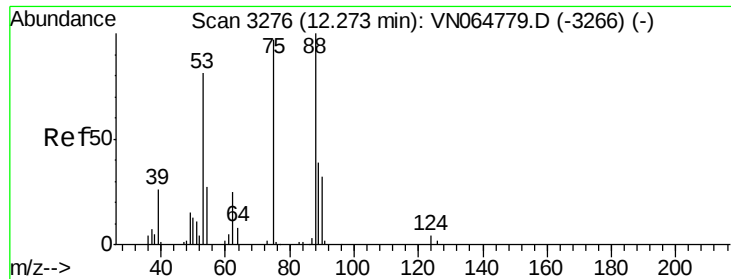
20000

0

12.65 12.70 12.75

Time-->





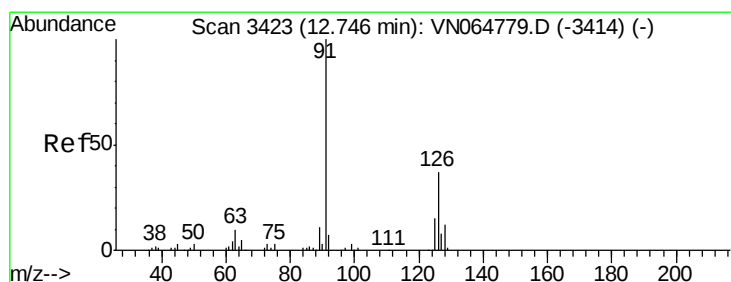
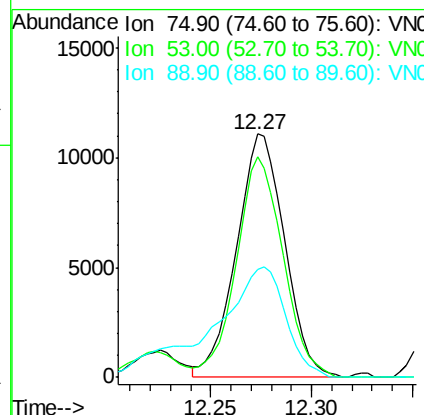
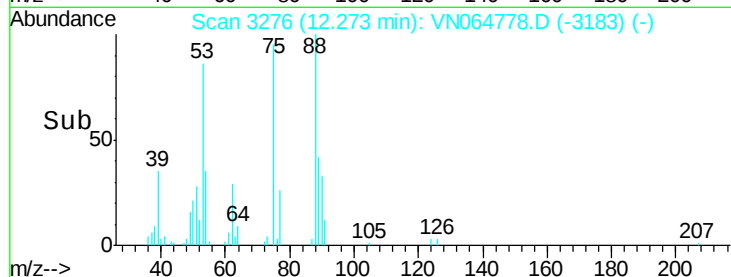
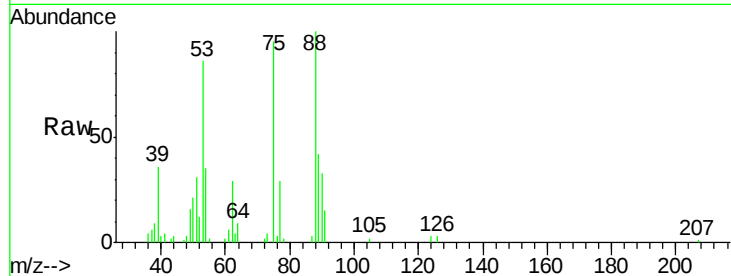
#81
trans-1,4-Dichloro-2-butene
Concen: 18.642 ug/l
RT: 12.27 min Scan# 3276
Delta R.T. -0.00 min
Lab File: VN064778.D
Acq: 23 Nov 2020 12:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	87.9	67.0	100.4
89	69.9	39.6	59.4

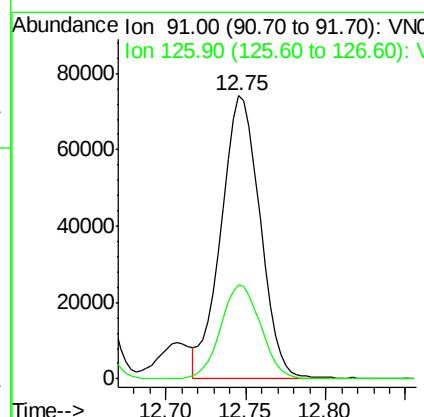
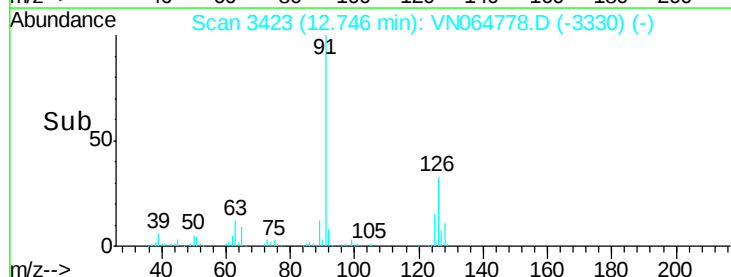
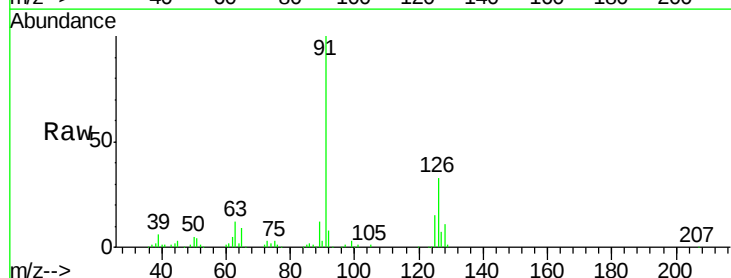
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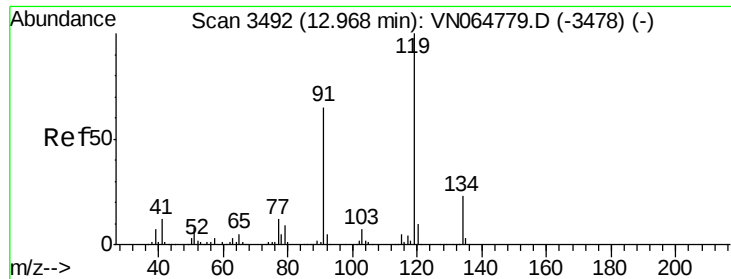
MMDadoda
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#82
4-Chlorotoluene
Concen: 17.351 ug/l
RT: 12.75 min Scan# 3423
Delta R.T. -0.00 min
Lab File: VN064778.D
Acq: 23 Nov 2020 12:18

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.3	16.9	50.7





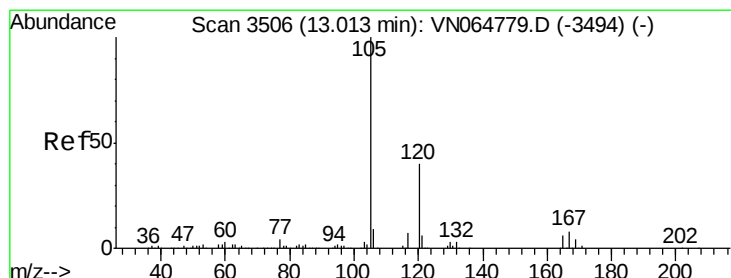
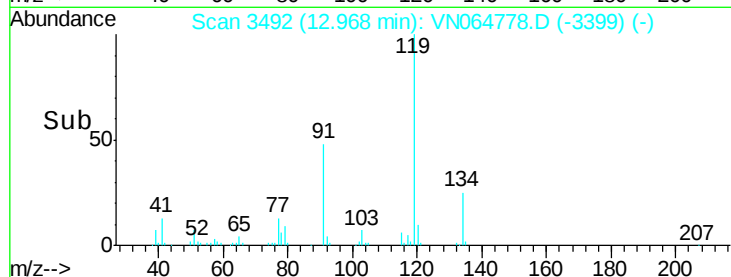
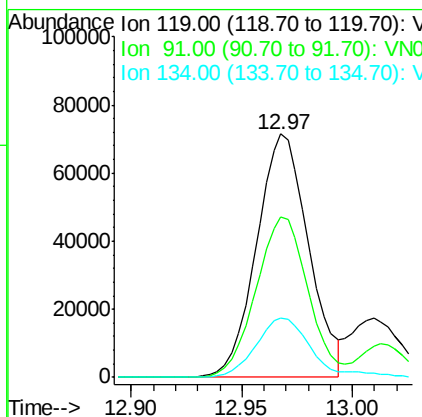
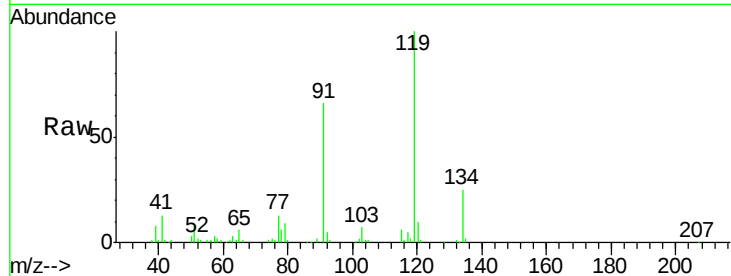
#83
tert-Butylbenzene
Concen: 19.888 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN064778.D
Acq: 23 Nov 2020 12:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	116667		
91	66.3	32.3	96.8	
134	26.0	12.6	37.6	

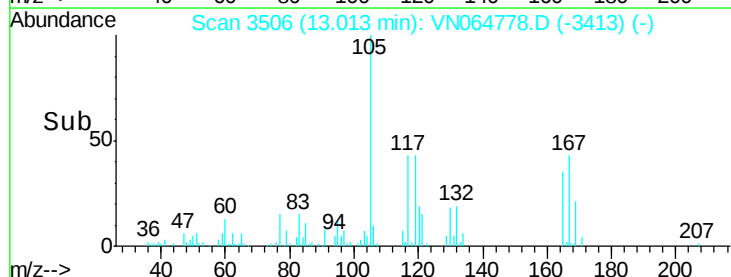
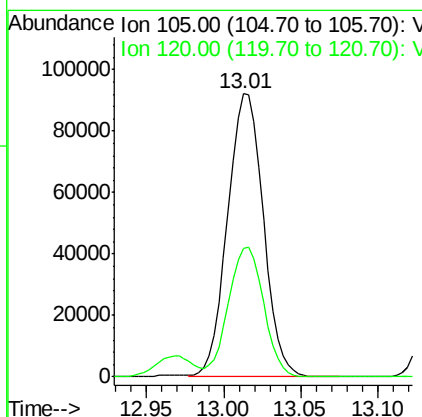
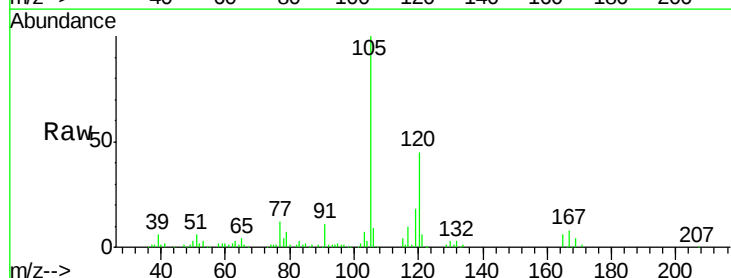
Manual Integrations
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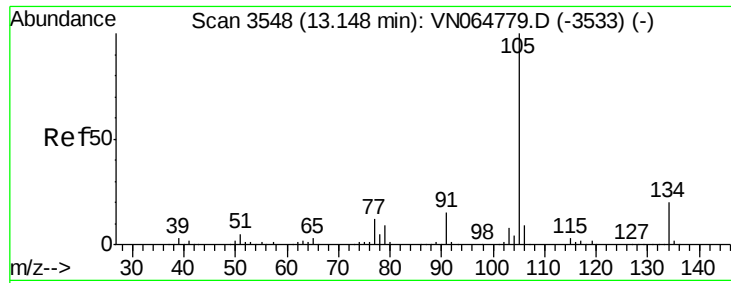
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#84
1,2,4-Trimethylbenzene
Concen: 19.372 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VN064778.D
Acq: 23 Nov 2020 12:18

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	148138		
120	45.1	23.1	69.2	





#85

sec-Butylbenzene

Concen: 19.958 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. -0.00 min

Lab File: VN064778.D

Acq: 23 Nov 2020 12:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 156400

Ion Ratio Lower Upper

105 100

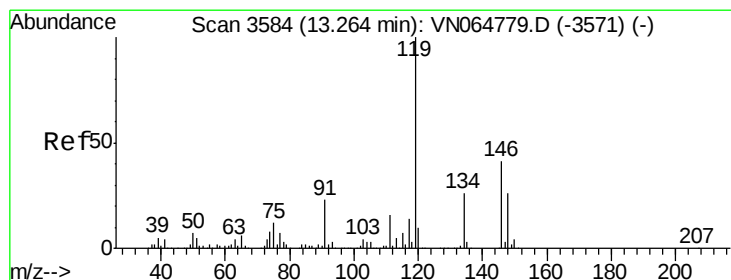
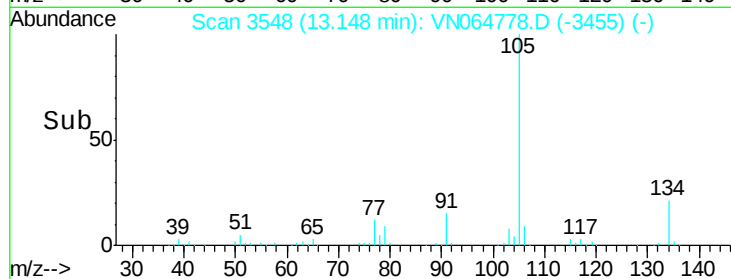
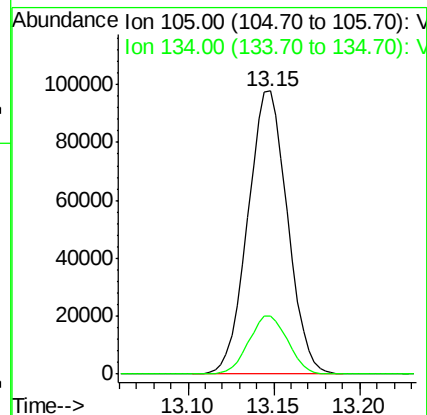
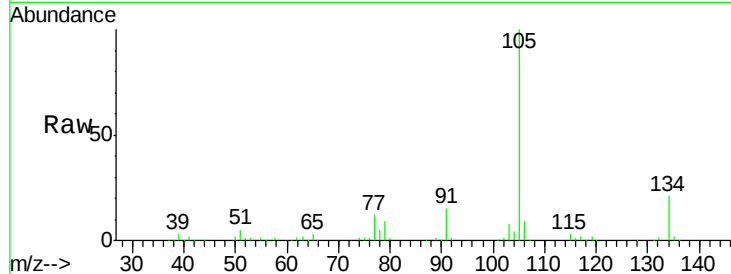
134 20.3 10.1 30.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 20.171 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. -0.00 min

Lab File: VN064778.D

Acq: 23 Nov 2020 12:18

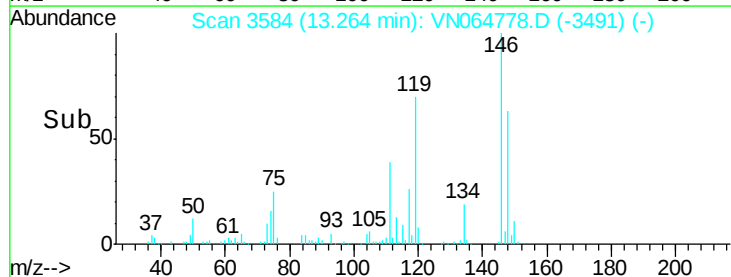
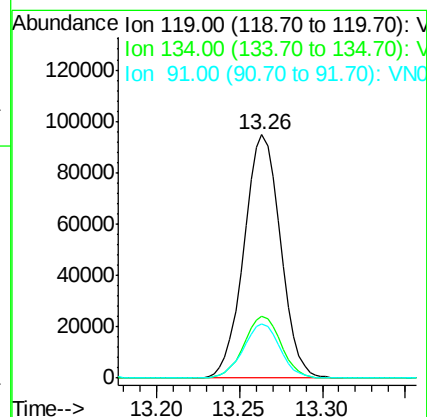
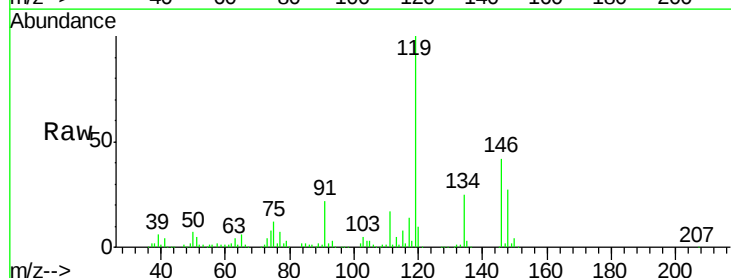
Tgt Ion:119 Resp: 145671

Ion Ratio Lower Upper

119 100

134 25.8 13.1 39.1

91 22.5 11.5 34.5





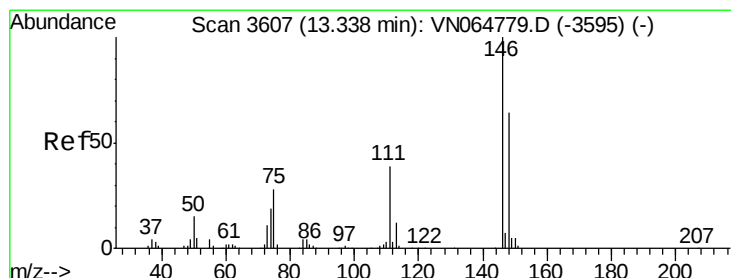
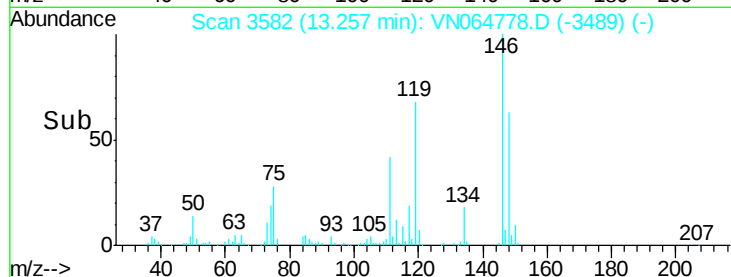
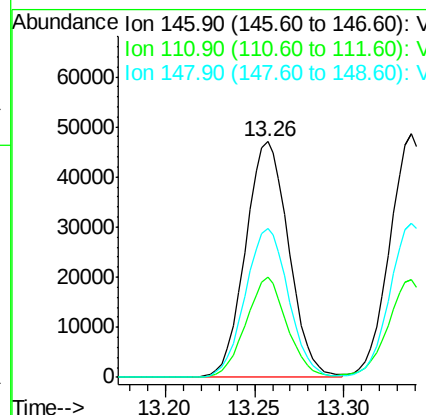
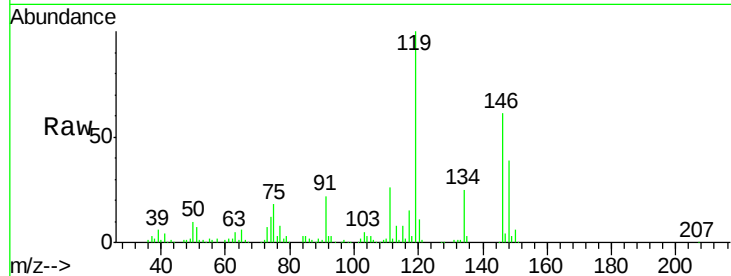
#87
 1,3-Dichlorobenzene
 Concen: 19.134 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN064778.D
 Acq: 23 Nov 2020 12:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.6	61.9
148	63.2	31.9	95.5

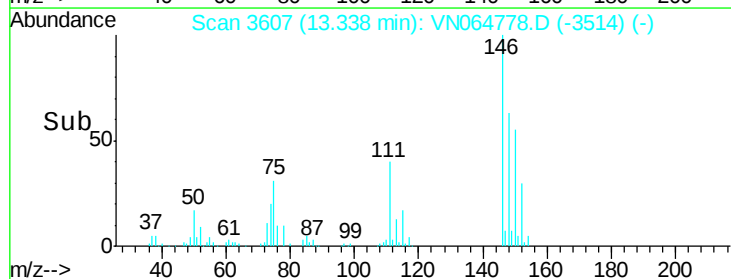
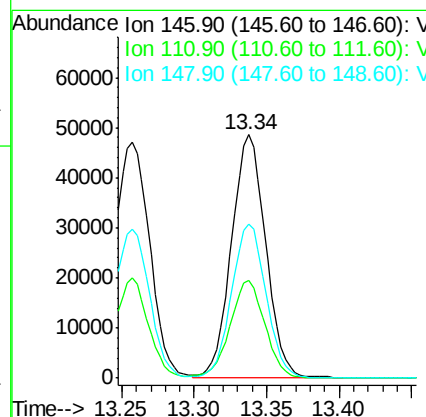
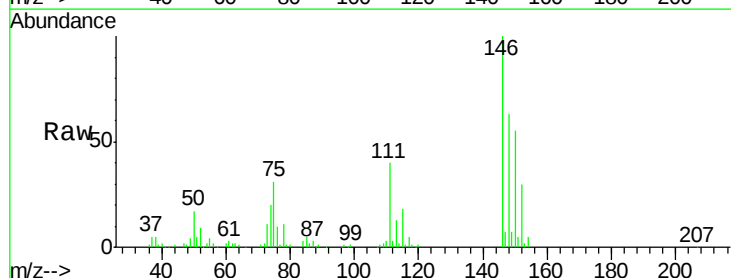
Manual Integrations
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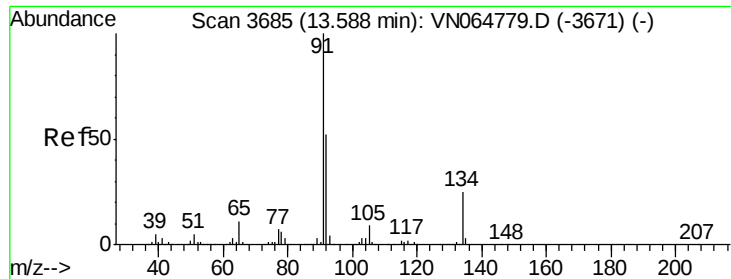
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#88
 1,4-Dichlorobenzene
 Concen: 18.413 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN064778.D
 Acq: 23 Nov 2020 12:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.5	19.8	59.3
148	64.4	31.9	95.5





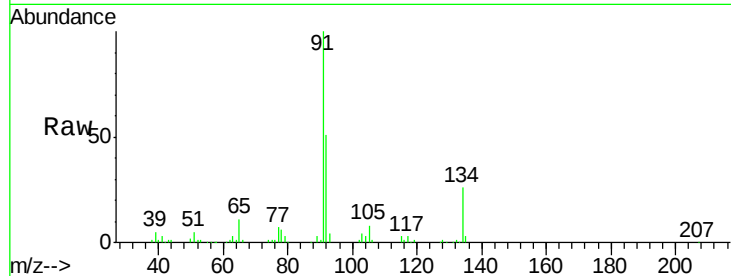
#89
n-Butylbenzene
Concen: 17.918 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN064778.D
Acq: 23 Nov 2020 12:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.6	26.0	78.0
134	25.8	12.9	38.6

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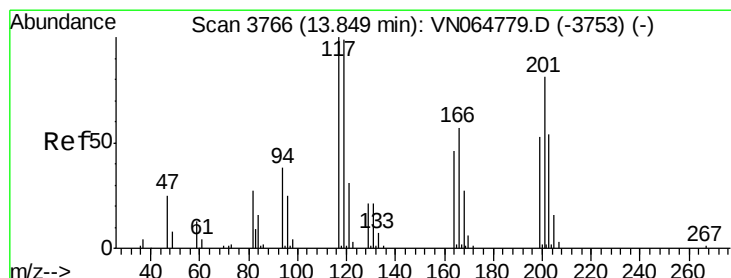
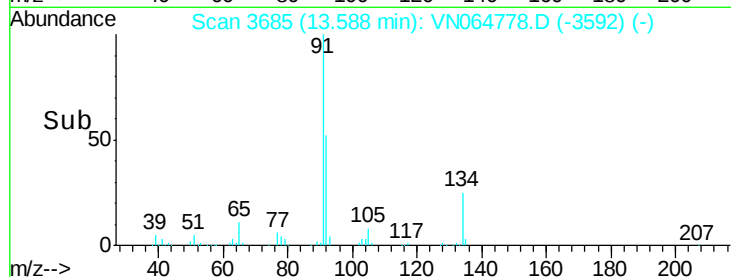
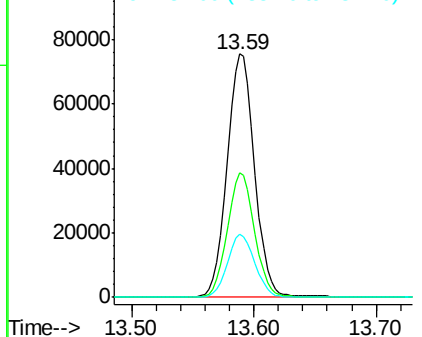


Abundance

Ion 91.00 (90.70 to 91.70): VN064778.D (-3671) (-)

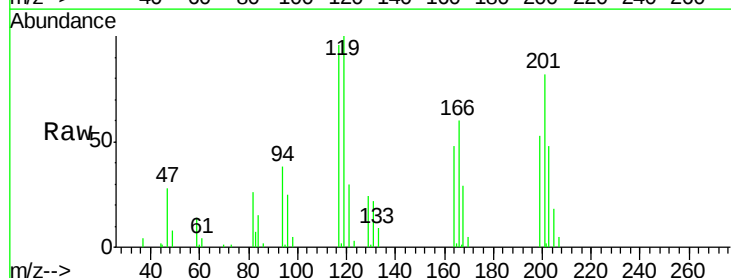
Ion 92.00 (91.70 to 92.70): VN064778.D (-3671) (-)

Ion 134.00 (133.70 to 134.70): VN064778.D (-3671) (-)



#90
Hexachloroethane
Concen: 20.051 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN064778.D
Acq: 23 Nov 2020 12:18

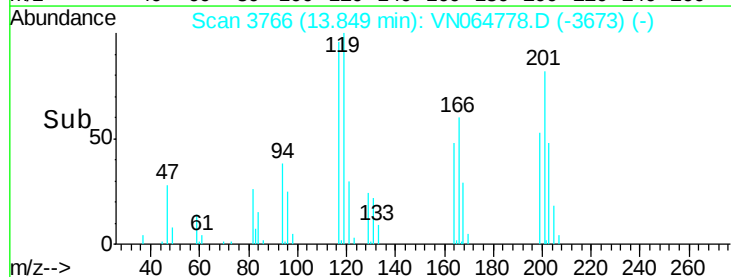
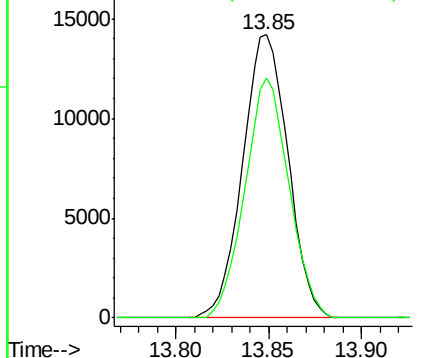
Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.0	40.1	120.3

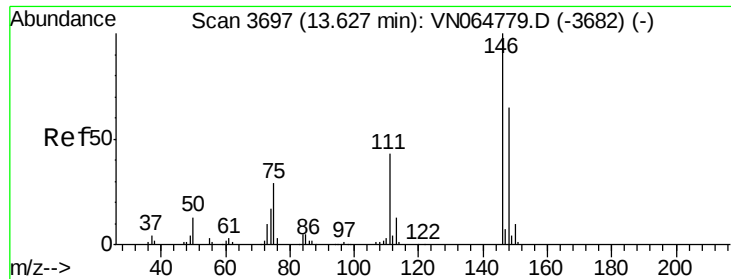


Abundance

Ion 116.80 (116.50 to 117.50): VN064778.D (-3753) (-)

Ion 200.70 (200.40 to 201.40): VN064778.D (-3753) (-)





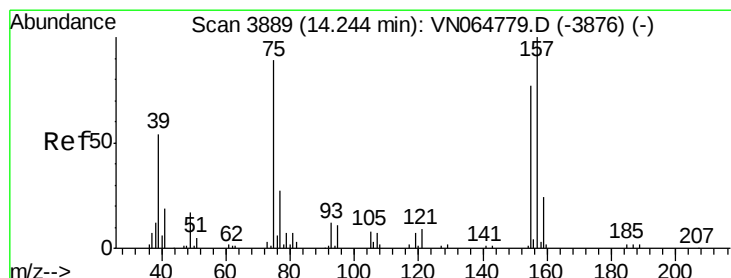
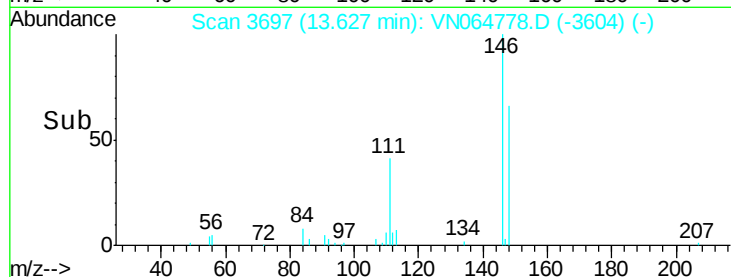
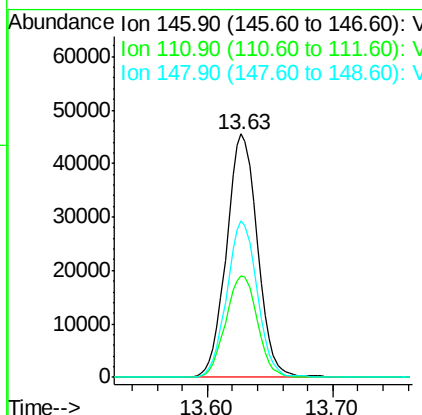
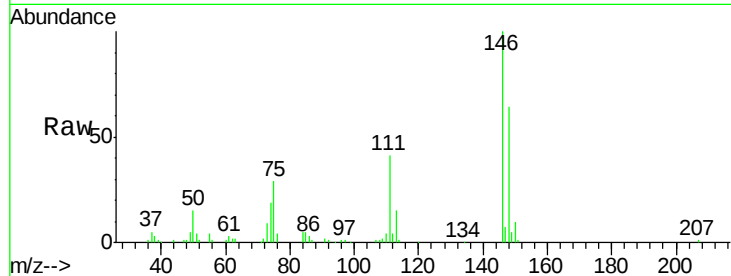
#91
 1,2-Dichlorobenzene
 Concen: 19.051 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN064778.D
 Acq: 23 Nov 2020 12:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.1	63.1
148	62.6	32.0	96.2

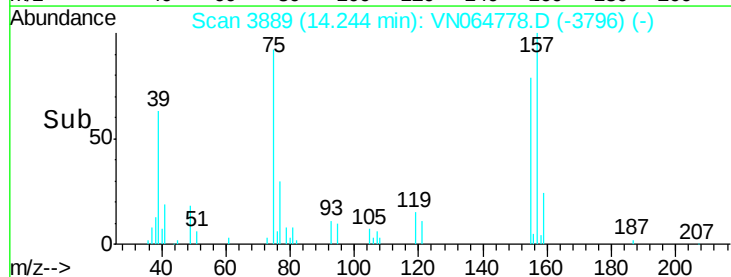
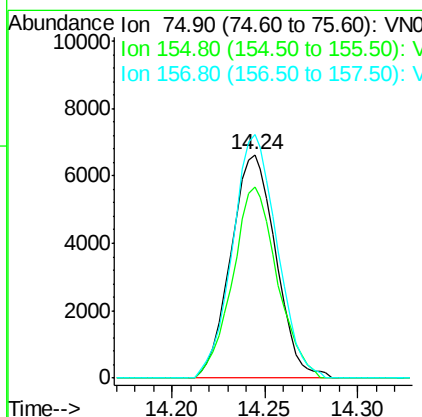
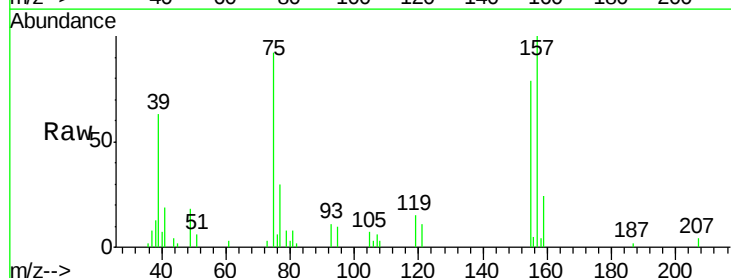
Manual Integrations
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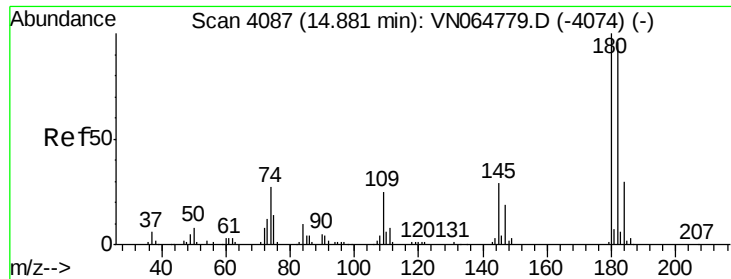
MMDadoda
 11/24/2020 3:01:08 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.004 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. -0.00 min
 Lab File: VN064778.D
 Acq: 23 Nov 2020 12:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.0	42.8	128.3
157	108.2	56.4	169.1





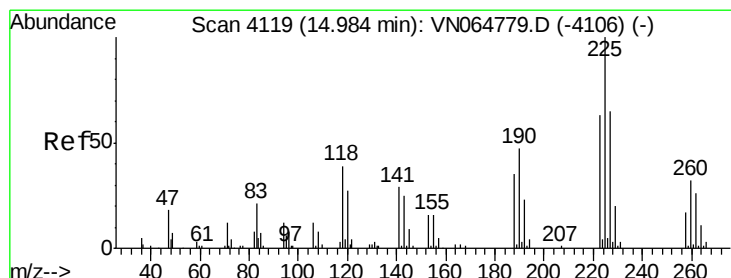
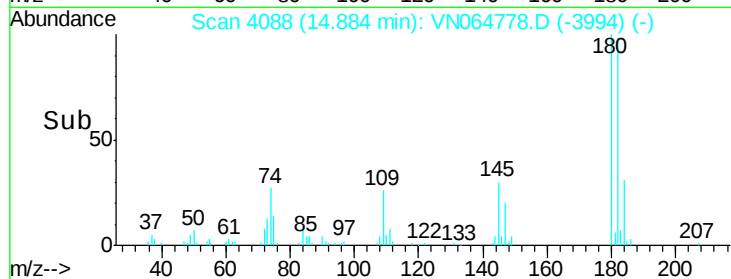
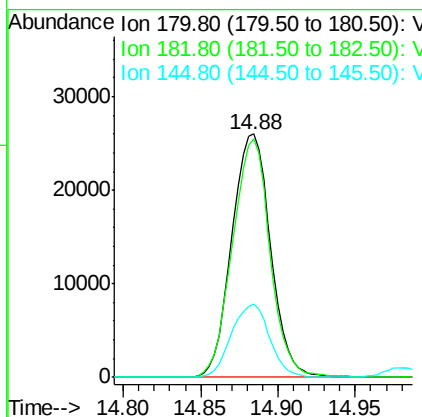
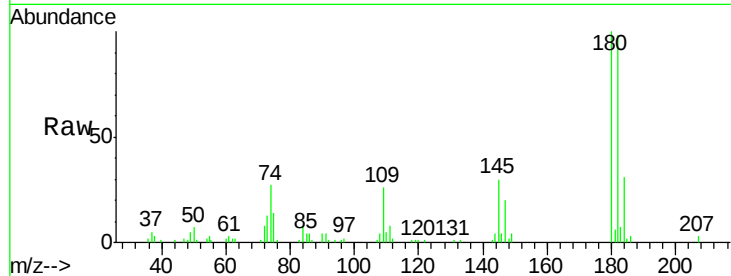
#93
1,2,4-Trichlorobenzene
Concen: 19.761 ug/l
RT: 14.88 min Scan# 4088
Delta R.T. 0.00 min
Lab File: VN064778.D
Acq: 23 Nov 2020 12:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.6	142.9
145	29.6	15.3	45.8

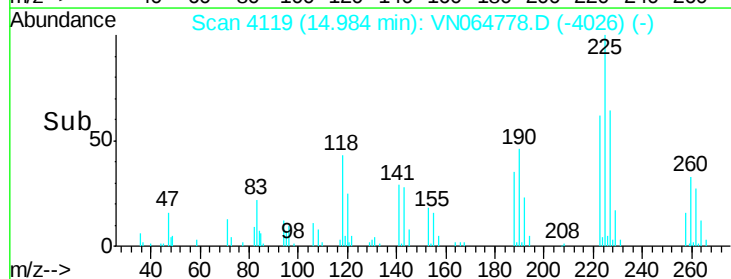
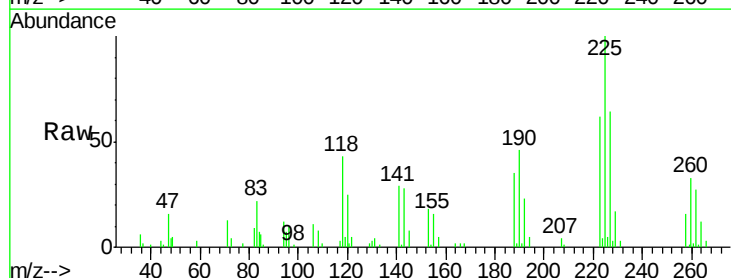
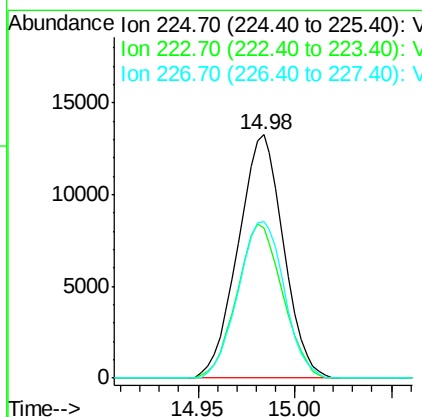
Manual Integrations
APPROVED

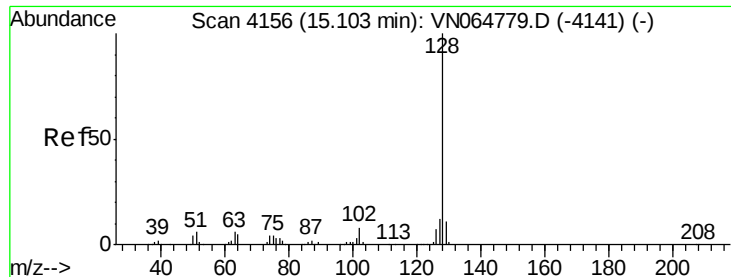
MMDadoda
11/24/2020 3:01:08 PM



#94
Hexachlorobutadiene
Concen: 18.699 ug/l
RT: 14.98 min Scan# 4119
Delta R.T. -0.00 min
Lab File: VN064778.D
Acq: 23 Nov 2020 12:18

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	31.0	93.0
227	65.4	32.0	96.0





#95

Naphthalene

Concen: 18.778 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. -0.00 min

Lab File: VN064778.D

Acq: 23 Nov 2020 12:18

Instrument :

MSVOA_N

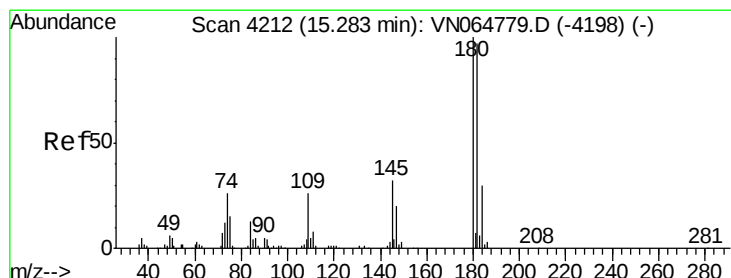
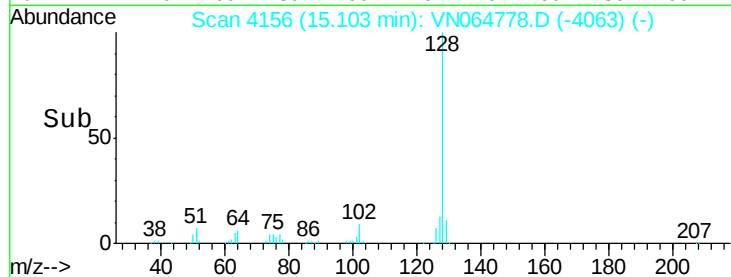
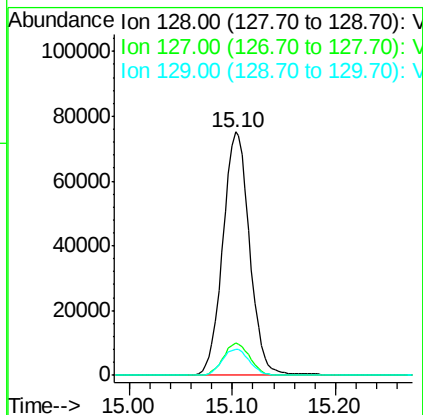
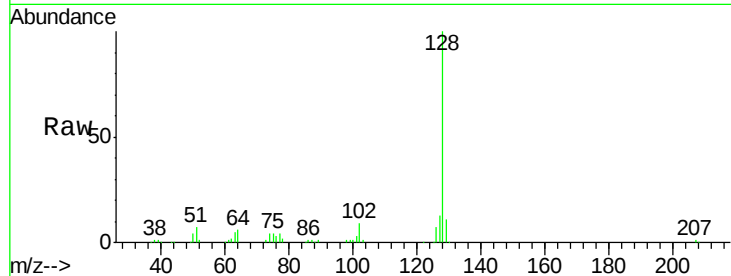
ClientSampleId :

VSTDIC020

Tot Ion:	128	Resp:	136162
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.3	15.5
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
11/24/2020 3:01:08 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.735 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN064778.D

Acq: 23 Nov 2020 12:18

Tgt Ion:	180	Resp:	43468
Ion Ratio	Lower	Upper	
180	100		
182	98.3	48.1	144.4
145	33.3	16.4	49.1

