

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110520\
 Data File : VN064452.D
 Acq On : 5 Nov 2020 10:47
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/6/2020 8:51:21 AM

Quant Time: Nov 06 02:57:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 12:09:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	328166	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	555931	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	527586	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	252001	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	269130	47.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.16%	
35) Dibromofluoromethane	7.55	113	185515	49.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.02%	
50) Toluene-d8	10.06	98	716578	48.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.96%	
62) 4-Bromofluorobenzene	12.38	95	271979	49.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	200481	46.930	ug/l	98
3) Chloromethane	2.04	50	232060	44.723	ug/l	97
4) Vinyl Chloride	2.17	62	253672	47.608	ug/l	96
5) Bromomethane	2.53	94	159674	46.908	ug/l	99
6) Chloroethane	2.68	64	165105	48.397	ug/l	98
7) Trichlorofluoromethane	2.99	101	378799	48.279	ug/l	99
8) Diethyl Ether	3.37	74	132567	47.845	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.71	101	173966	46.691	ug/l	99
10) Methyl Iodide	3.91	142	206795	47.766	ug/l	99
11) Tert butyl alcohol	4.75	59	154542	245.160	ug/l #	83
12) 1,1-Dichloroethene	3.69	96	163575	46.607	ug/l	98
13) Acrolein	3.56	56	89602	229.154	ug/l	96
14) Allyl chloride	4.27	41	324473	47.261	ug/l	99
15) Acrylonitrile	4.93	53	449932	256.367	ug/l	99
16) Acetone	3.78	43	509986	234.219	ug/l	99
17) Carbon Disulfide	4.00	76	492760	46.949	ug/l	99
18) Methyl Acetate	4.28	43	203878	47.627	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	605519	47.937	ug/l	97
20) Methylene Chloride	4.50	84	203743	47.162	ug/l	98
21) trans-1,2-Dichloroethene	4.98	96	190216	47.734	ug/l	99
22) Diisopropyl ether	5.90	45	715655	49.105	ug/l	99
23) Vinyl Acetate	5.85	43	3017677	254.531	ug/l	99
24) 1,1-Dichloroethane	5.79	63	385578	48.146	ug/l	99
25) 2-Butanone	6.79	43	706886	254.798	ug/l	100
26) 2,2-Dichloropropane	6.78	77	342458	47.238	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	222581	48.203	ug/l	98
28) Bromochloromethane	7.15	49	184592	46.893	ug/l	99
29) Tetrahydrofuran	7.17	42	427299	251.043	ug/l	99
30) Chloroform	7.33	83	408626	48.541	ug/l	99
31) Cyclohexane	7.61	56	314278	45.229	ug/l	96
32) 1,1,1-Trichloroethane	7.53	97	359455	48.143	ug/l	100
36) 1,1-Dichloropropene	7.75	75	297230	50.609	ug/l	99
37) Ethyl Acetate	6.88	43	293843	49.307	ug/l	100
38) Carbon Tetrachloride	7.73	117	315771	50.308	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	265661	50.460	ug/l	99
40) Benzene	8.00	78	856750	49.644	ug/l	99
41) Methacrylonitrile	7.13	41	140061	53.791	ug/l	91
42) 1,2-Dichloroethane	8.08	62	355496	51.044	ug/l	99
43) Isopropyl Acetate	8.13	43	486599	51.125	ug/l	99
44) Trichloroethene	8.80	130	214544	49.273	ug/l	94
45) 1,2-Dichloropropane	9.08	63	236850	51.435	ug/l	97
46) Dibromomethane	9.17	93	157956	52.108	ug/l	97
47) Bromodichloromethane	9.37	83	329545	50.560	ug/l	99
48) Methyl methacrylate	9.17	41	251785	52.426	ug/l	99
49) 1,4-Dioxane	9.17	88	70785	1118.989	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	1496948	269.698	ug/l	100
52) Toluene	10.12	92	547978	52.060	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	361165	52.266	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	377022	51.031	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	208668	50.832	ug/l	97
56) Ethyl methacrylate	10.40	69	319180	47.359	ug/l	100
57) 1,3-Dichloropropane	10.68	76	369470	51.564	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	828653	258.821	ug/l	98
59) 2-Hexanone	10.72	43	1115413	246.499	ug/l	99
60) Dibromochloromethane	10.87	129	244823	53.268	ug/l	98
61) 1,2-Dibromoethane	10.98	107	224314	53.872	ug/l	99
64) Tetrachloroethene	10.60	164	200770	49.402	ug/l	99
65) Chlorobenzene	11.41	112	571118	49.380	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	218333	50.601	ug/l	99
67) Ethyl Benzene	11.48	91	1066562	51.844	ug/l	100
68) m/p-Xylenes	11.59	106	783581	105.025	ug/l	99
69) o-Xylene	11.92	106	370175	51.345	ug/l	99
70) Styrene	11.94	104	652479	53.783	ug/l	99
71) Bromoform	12.10	173	156696	48.407	ug/l #	100
73) Isopropylbenzene	12.22	105	985193	49.186	ug/l	99
74) N-amyl acetate	12.04	43	444435	45.853	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	291727	47.418	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	283583m	46.445	ug/l	
77) Bromobenzene	12.50	156	230445	47.124	ug/l	98
78) n-propylbenzene	12.57	91	1133470	49.636	ug/l	99
79) 2-Chlorotoluene	12.65	91	704741	48.659	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	822907	49.801	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	102831	47.024	ug/l	95
82) 4-Chlorotoluene	12.75	91	759247	50.057	ug/l	100
83) tert-Butylbenzene	12.97	119	638780	49.497	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	840722	50.612	ug/l	100
85) sec-Butylbenzene	13.14	105	829452	50.748	ug/l	100
86) p-Isopropyltoluene	13.26	119	763740	51.950	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	409236	48.411	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	413893	47.379	ug/l	99
89) n-Butylbenzene	13.59	91	656728	51.955	ug/l	99
90) Hexachloroethane	13.85	117	140506	49.544	ug/l	96
91) 1,2-Dichlorobenzene	13.63	146	406385	49.978	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.24	75	62513	51.036	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	183026	45.514	ug/l	99
94) Hexachlorobutadiene	14.98	225	81100	48.987	ug/l	99
95) Naphthalene	15.10	128	602822	44.078	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	180722	46.407	ug/l	99

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

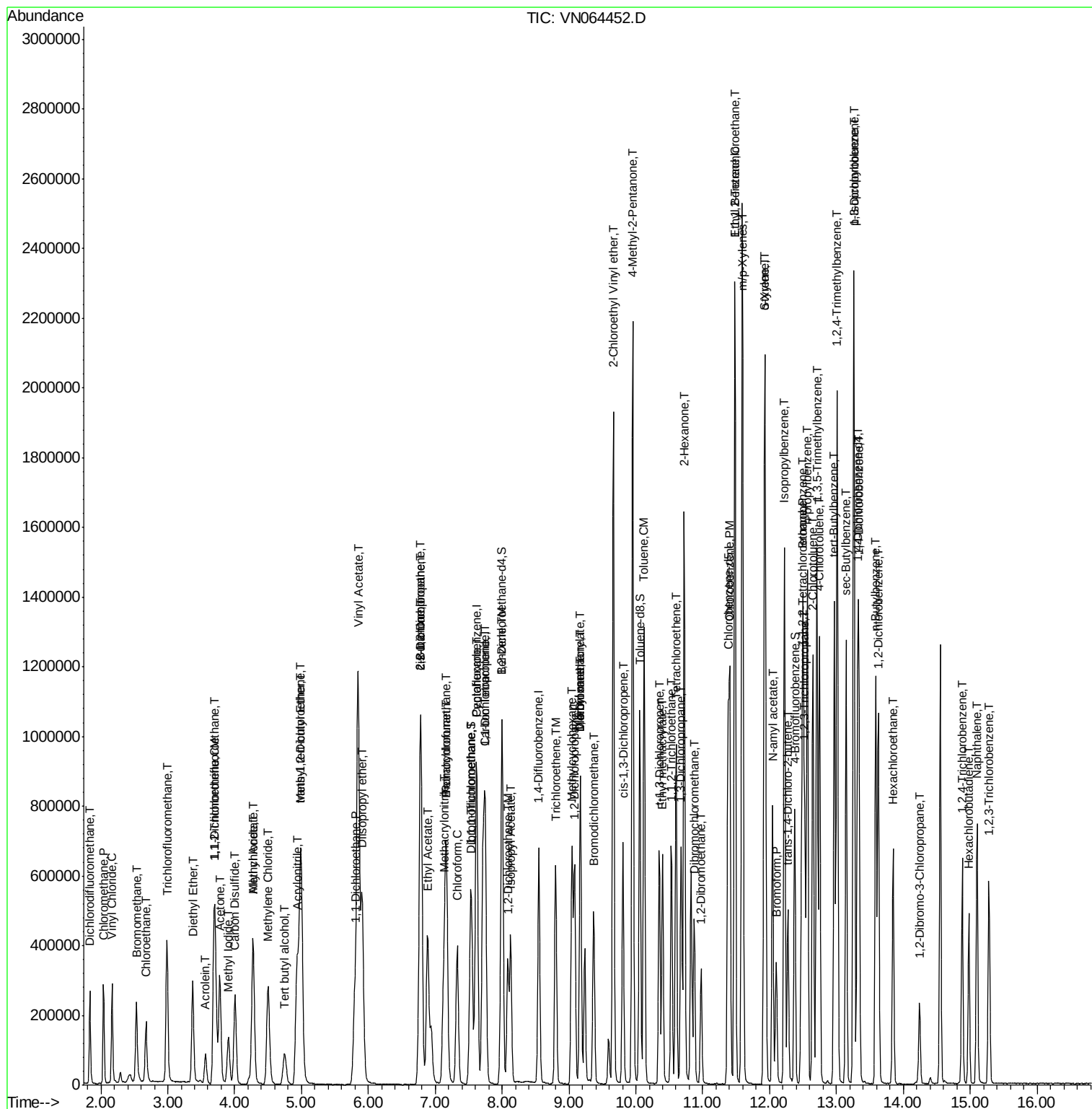
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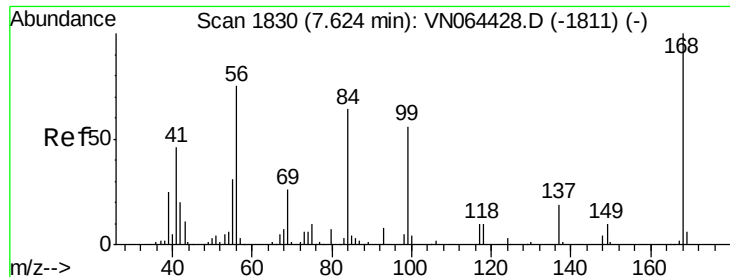
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064452.D

Acq: 5 Nov 2020 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 328166

Ion Ratio Lower Upper

168 100

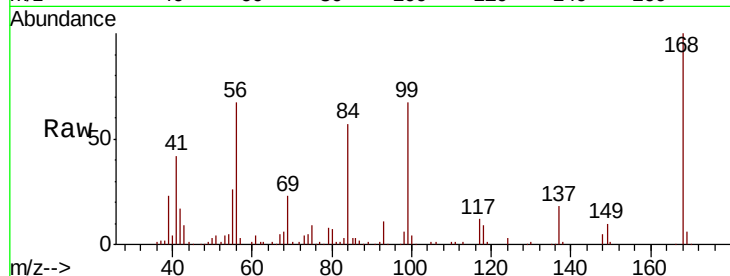
99 66.7 53.4 80.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

150000

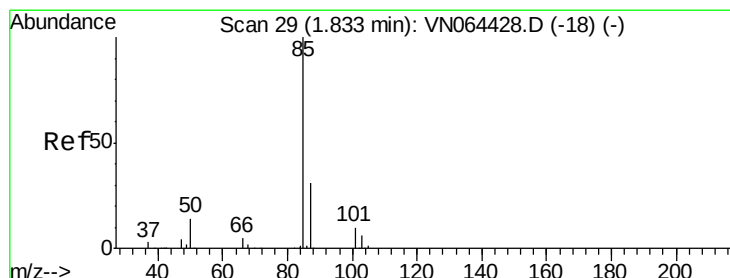
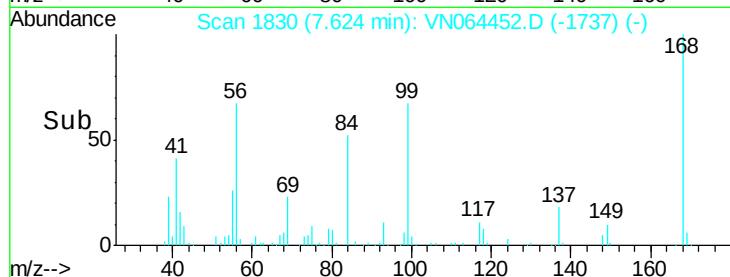
100000

50000

0

7.50 7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 46.930 ug/l

RT: 1.83 min Scan# 29

Delta R.T. -0.00 min

Lab File: VN064452.D

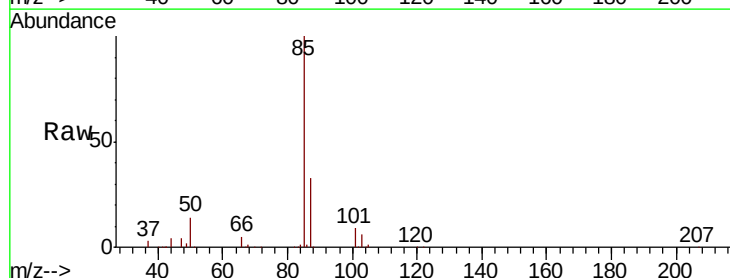
Acq: 5 Nov 2020 10:47

Tgt Ion: 85 Resp: 200481

Ion Ratio Lower Upper

85 100

87 32.5 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

150000

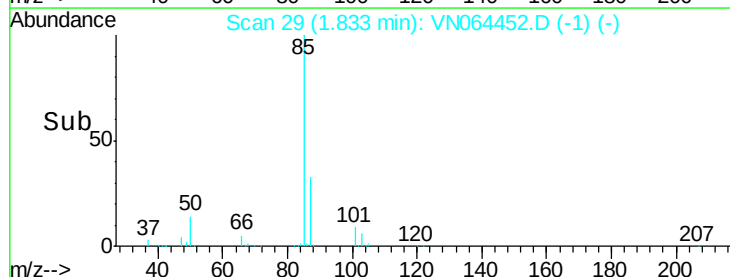
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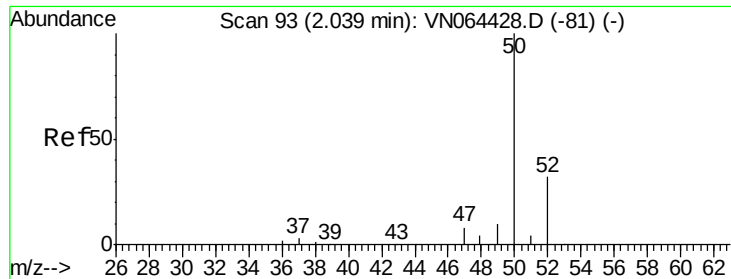
50000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 44.723 ug/l

RT: 2.04 min Scan# 93

Delta R.T. -0.00 min

Lab File: VN064452.D

Acq: 5 Nov 2020 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 232060

Ion Ratio Lower Upper

50 100

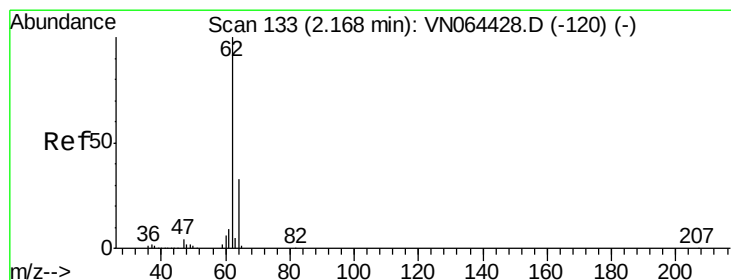
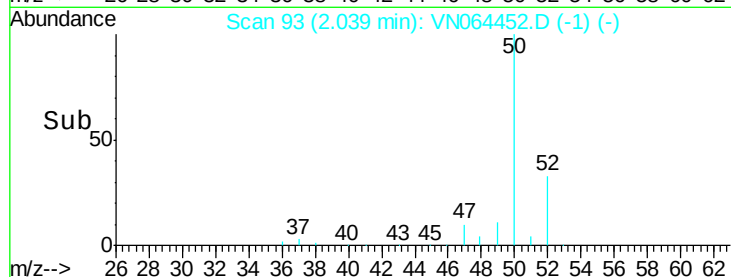
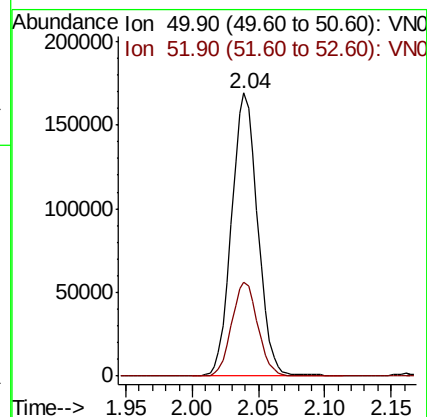
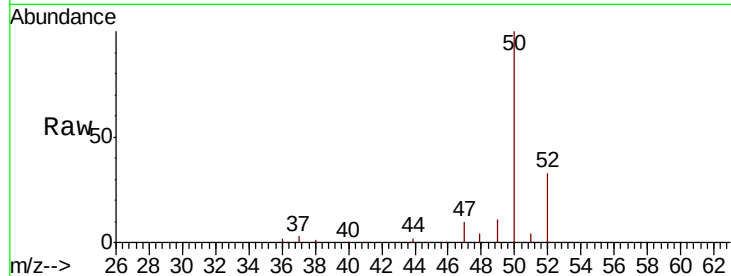
52 33.4 25.3 37.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 47.608 ug/l

RT: 2.17 min Scan# 133

Delta R.T. -0.00 min

Lab File: VN064452.D

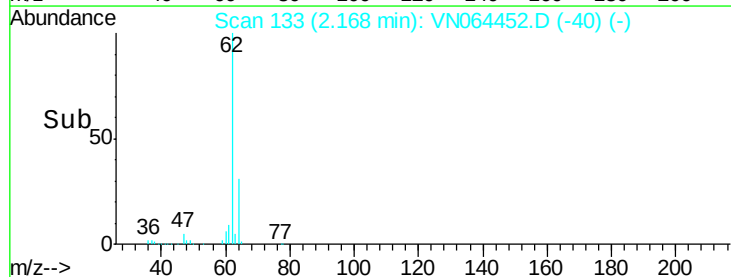
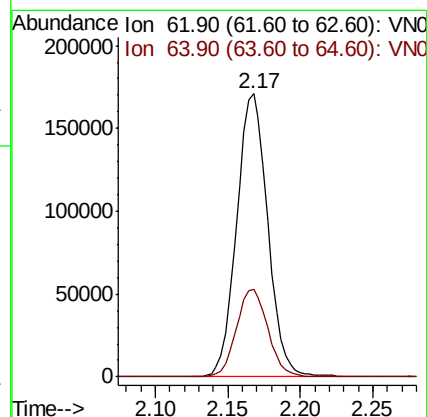
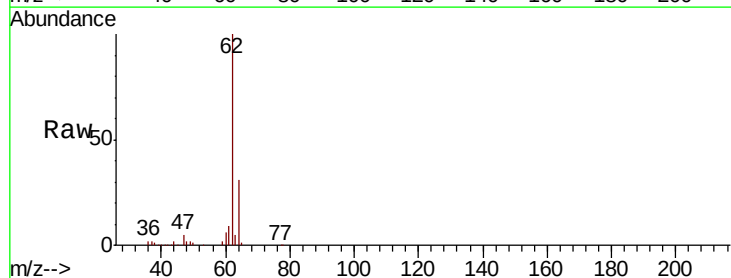
Acq: 5 Nov 2020 10:47

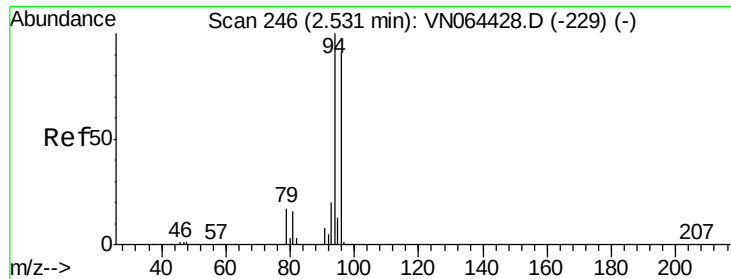
Tgt Ion: 62 Resp: 253672

Ion Ratio Lower Upper

62 100

64 30.9 26.3 39.5





#5

Bromomethane

Concen: 46.908 ug/l

RT: 2.53 min Scan# 246

Delta R.T. -0.00 min

Lab File: VN064452.D

Acq: 5 Nov 2020 10:47

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 159674

Ion Ratio Lower Upper

94 100

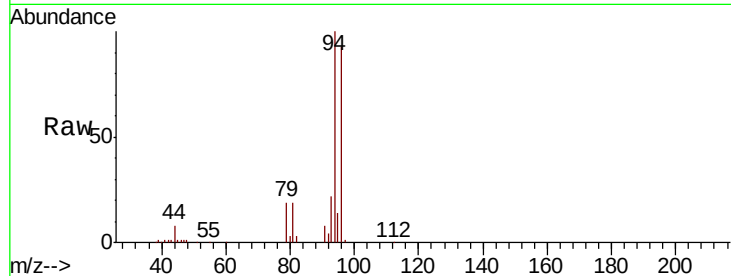
96 92.7 73.1 109.7

Manual Integrations

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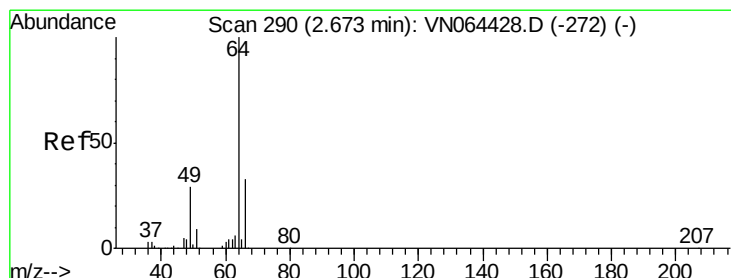
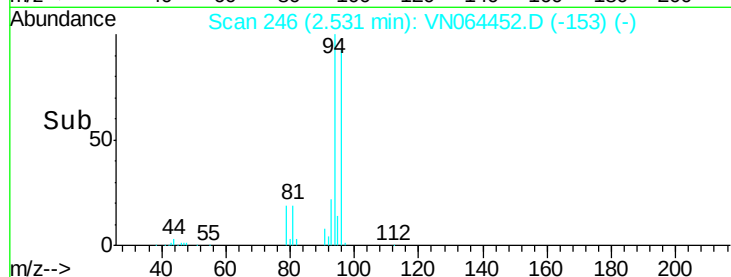
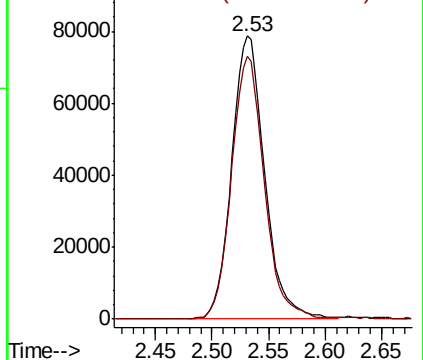
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 48.397 ug/l

RT: 2.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN064452.D

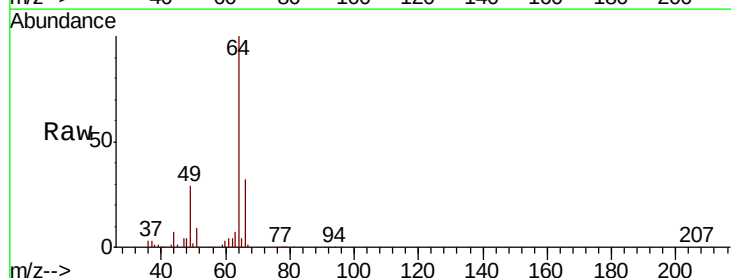
Acq: 5 Nov 2020 10:47

Tgt Ion: 64 Resp: 165105

Ion Ratio Lower Upper

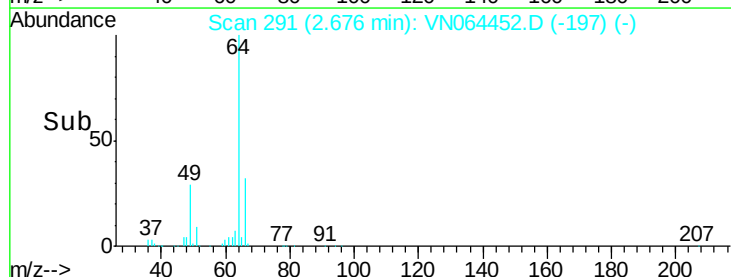
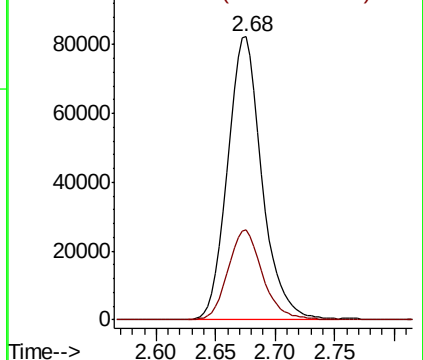
64 100

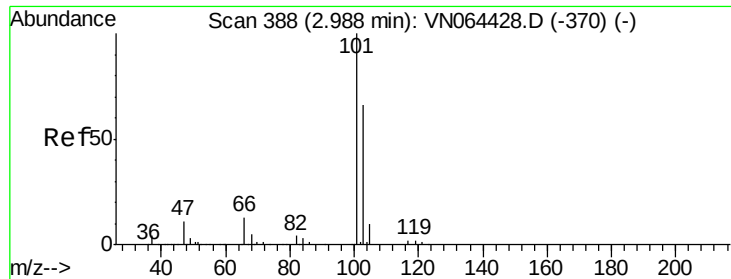
66 31.7 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

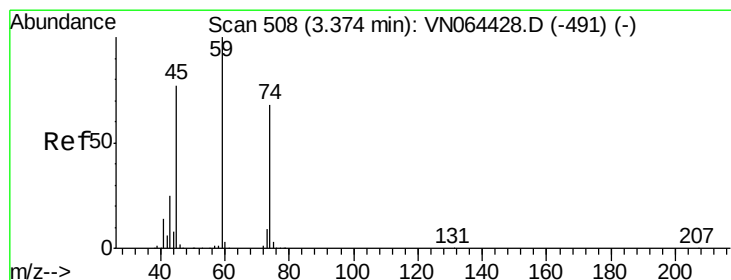
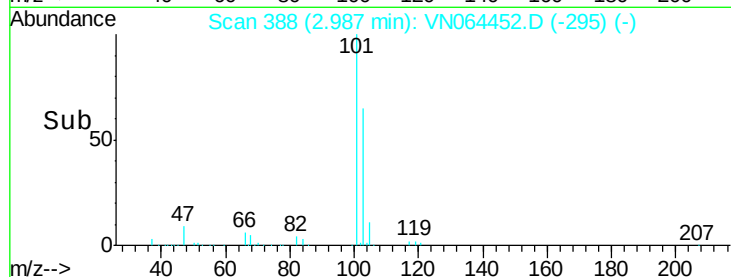
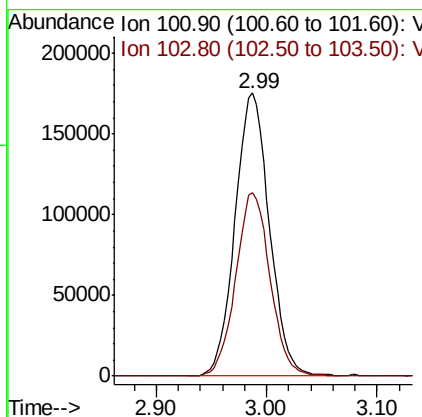
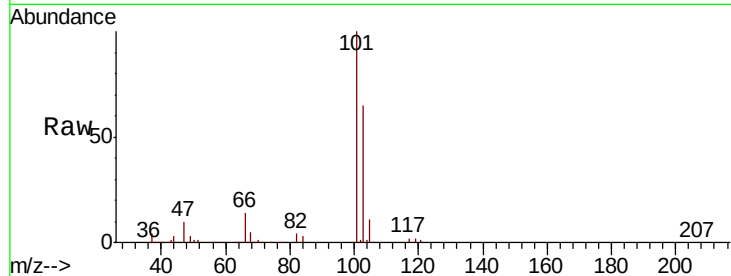
Trichlorofluoromethane
 Concen: 48.279 ug/l
 RT: 2.99 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN064452.D
 Acq: 5 Nov 2020 10:47

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	52.4	78.6

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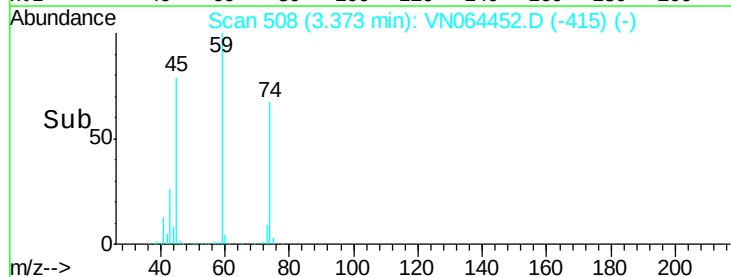
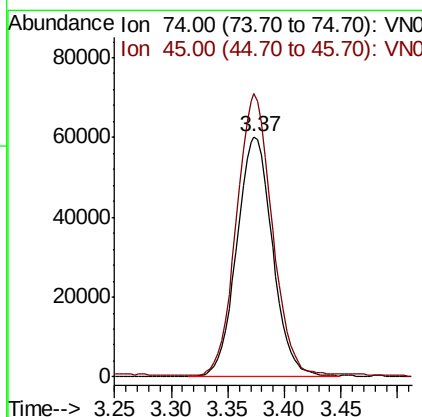
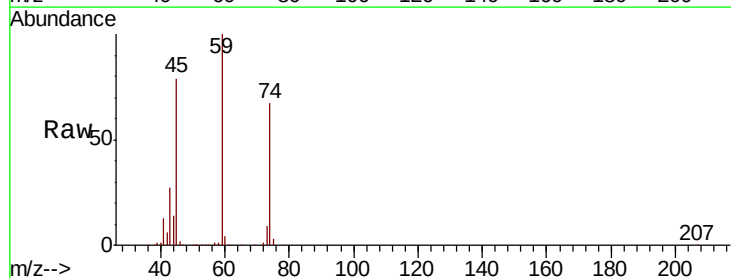
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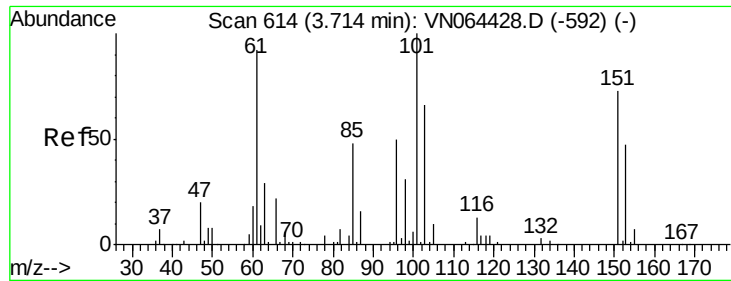


#8

Diethyl Ether
 Concen: 47.845 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VN064452.D
 Acq: 5 Nov 2020 10:47

Tgt Ion	Ratio	Lower	Upper
74	100		
45	115.6	55.9	167.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.691 ug/l

RT: 3.71 min Scan# 613

Delta R.T. -0.00 min

Lab File: VN064452.D

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MSVOA_N

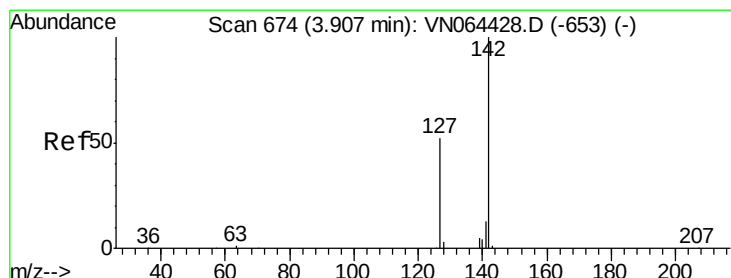
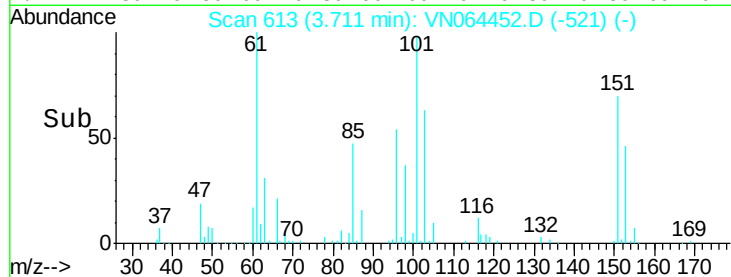
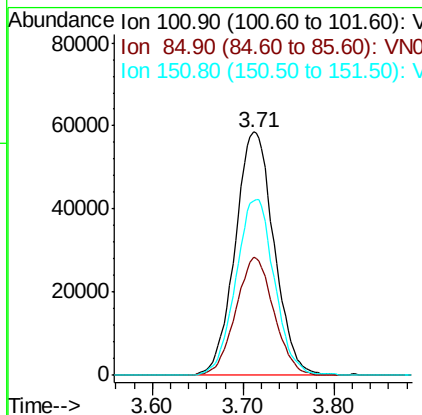
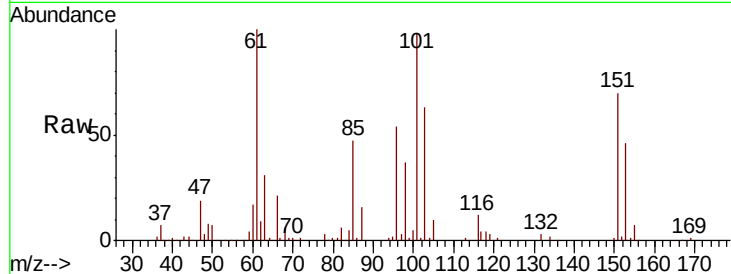
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	173966
Ion Ratio	Lower	Upper	
101	100		
85	47.4	38.6	57.8
151	71.6	57.5	86.3

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#10

Methyl Iodide

Concen: 47.766 ug/l

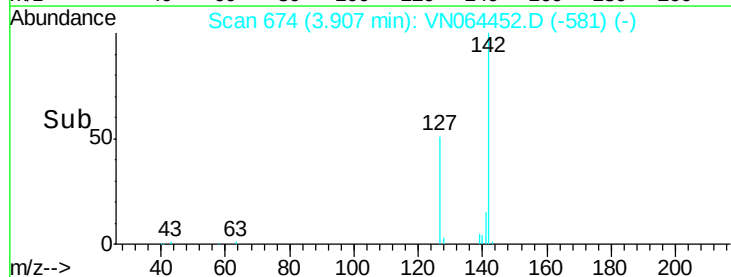
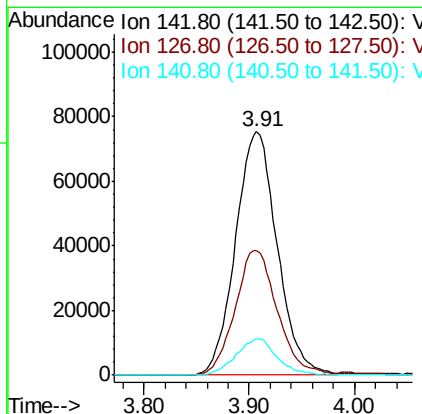
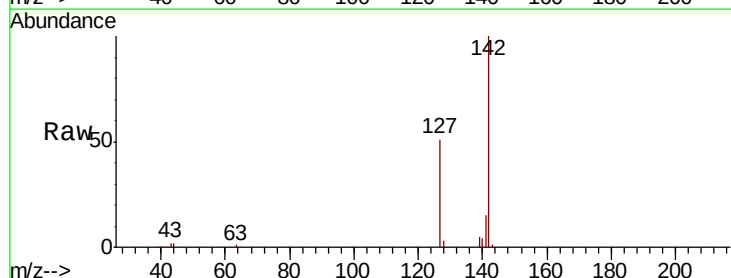
RT: 3.91 min Scan# 674

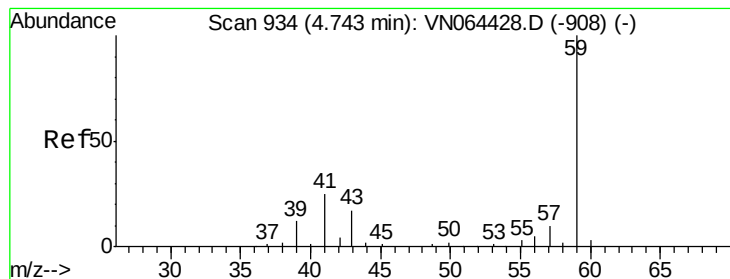
Delta R.T. -0.00 min

Lab File: VN064452.D

Acq: 5 Nov 2020 10:47

Tgt Ion:	142	Resp:	206795
Ion Ratio	Lower	Upper	
142	100		
127	51.9	41.8	62.8
141	14.6	11.4	17.2





#11

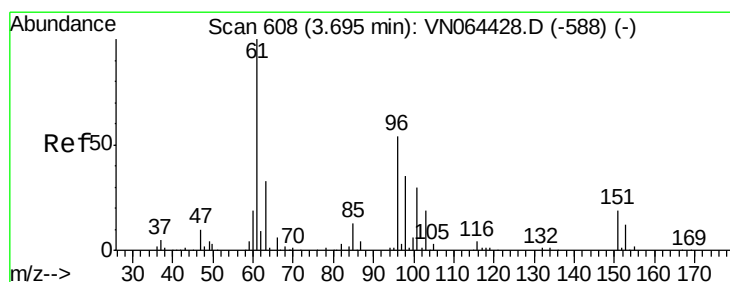
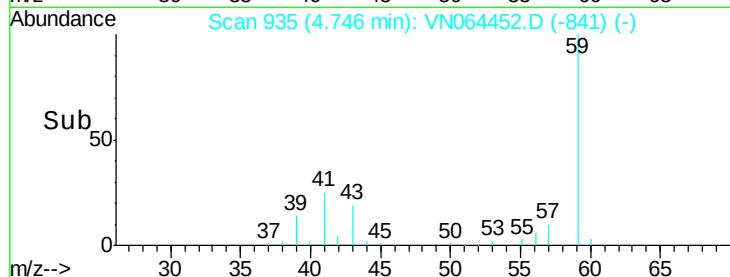
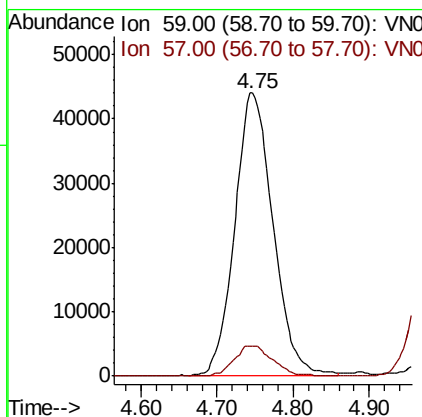
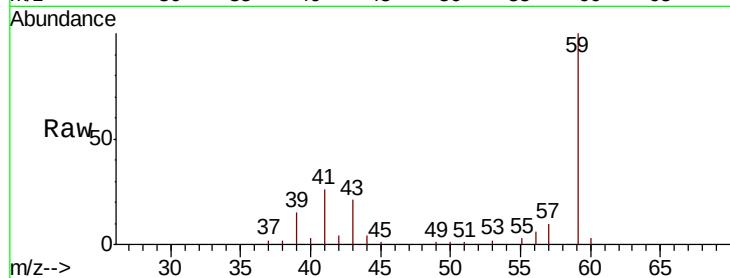
Tert butyl alcohol
 Concen: 245.160 ug/l
 RT: 4.75 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VN064452.D
 Acq: 5 Nov 2020 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	4.7	9.0	13.4#

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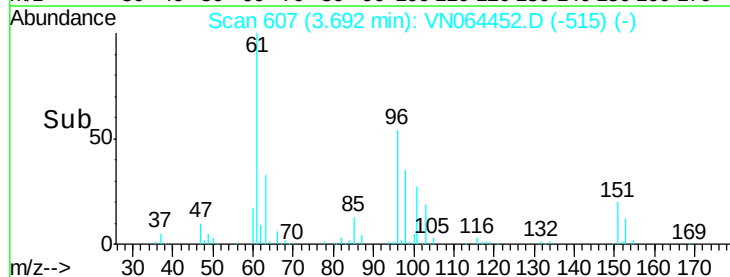
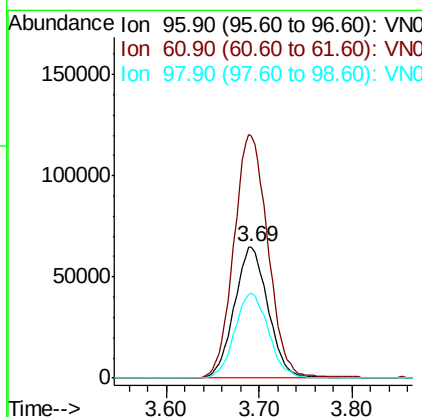
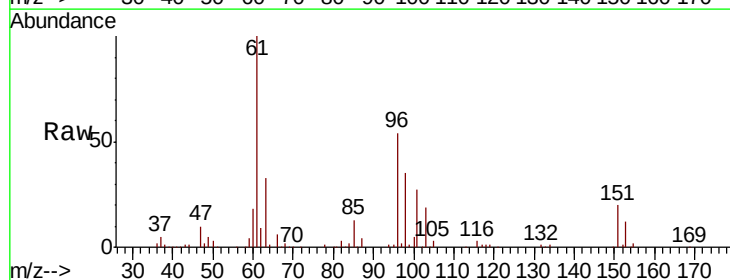
MMDadoda
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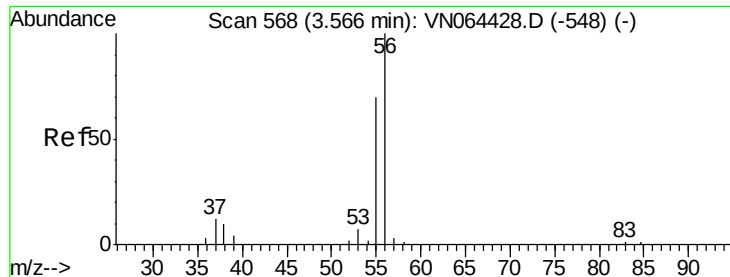


#12

1,1-Dichloroethene
 Concen: 46.607 ug/l
 RT: 3.69 min Scan# 607
 Delta R.T. -0.00 min
 Lab File: VN064452.D
 Acq: 5 Nov 2020 10:47

Tgt Ion	Ratio	Lower	Upper
96	100		
61	184.1	149.5	224.3
98	64.5	52.4	78.6





#13

Acrolein

Concen: 229.154 ug/l

RT: 3.56 min Scan# 567

Delta R.T. -0.00 min

Lab File: VN064452.D

Acq: 5 Nov 2020 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 89602

Ion Ratio Lower Upper

56 100

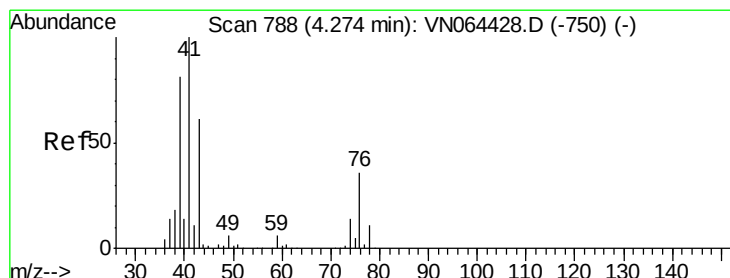
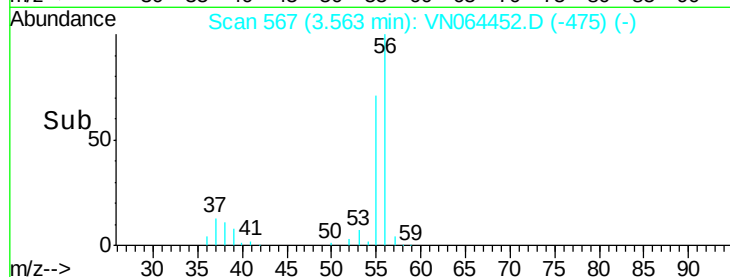
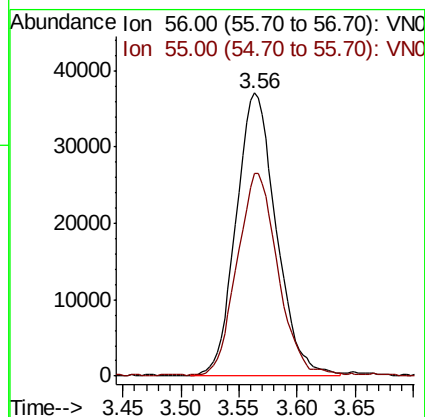
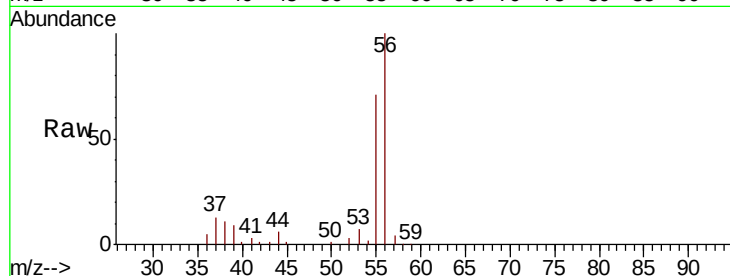
55 73.3 55.9 83.9

Manual Integrations

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#14

Allyl chloride

Concen: 47.261 ug/l

RT: 4.27 min Scan# 788

Delta R.T. -0.00 min

Lab File: VN064452.D

Acq: 5 Nov 2020 10:47

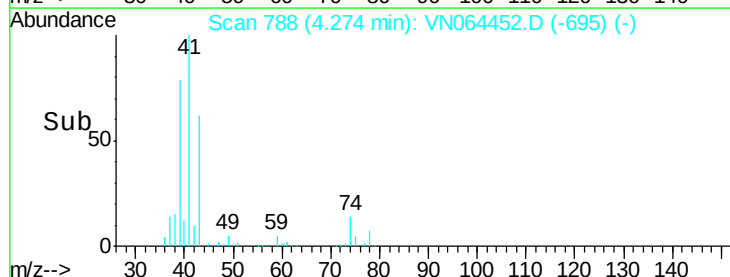
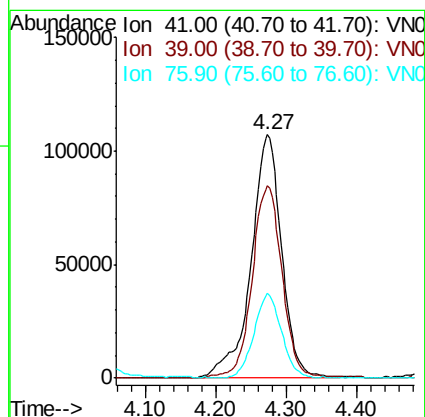
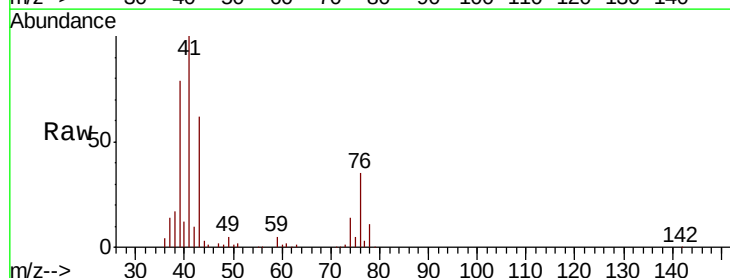
Tgt Ion: 41 Resp: 324473

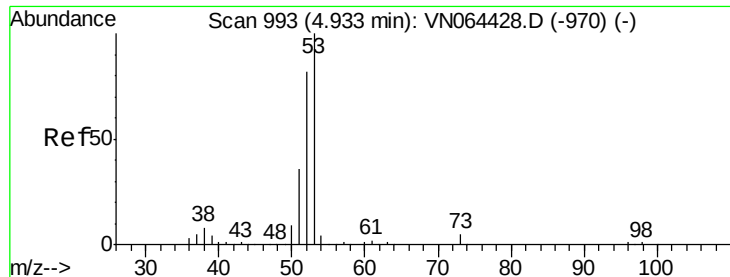
Ion Ratio Lower Upper

41 100

39 77.1 61.8 92.8

76 30.6 25.4 38.0





#15

Acrylonitrile

Concen: 256.367 ug/l

RT: 4.93 min Scan# 993

Delta R.T. -0.00 min

Lab File: VN064452.D

Acq: 5 Nov 2020 10:47

Instrument :

MSVOA_N

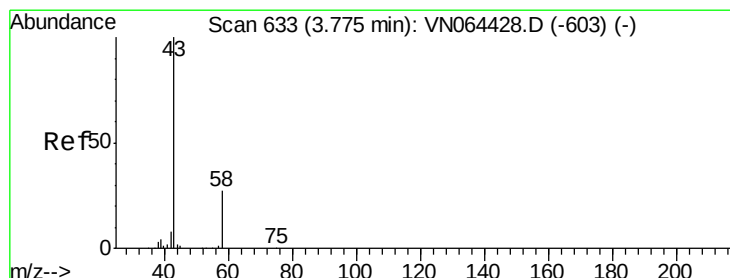
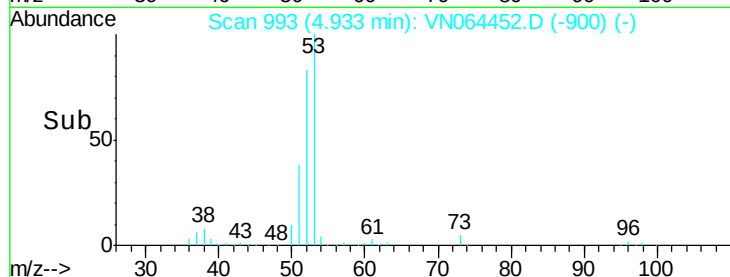
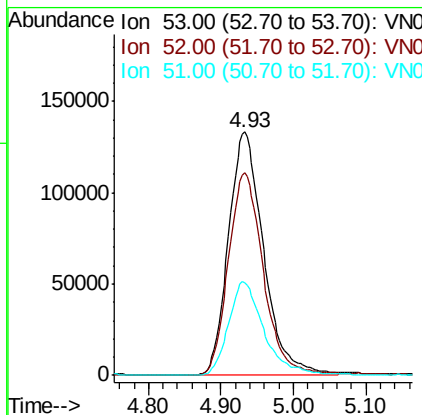
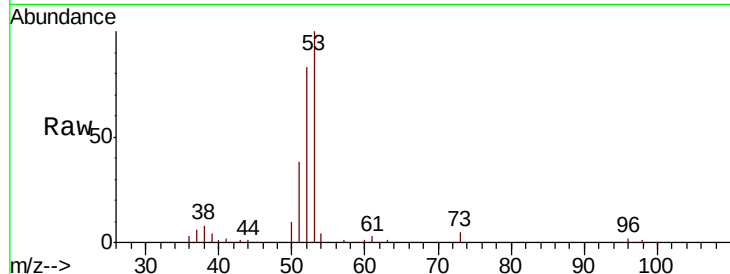
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	449932
Ion	Ratio	Lower	Upper
53	100		
52	82.9	65.6	98.4
51	38.8	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 234.219 ug/l

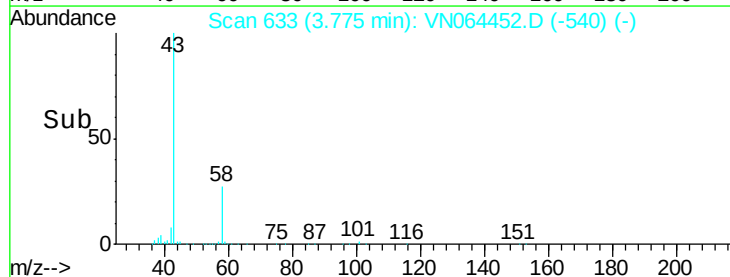
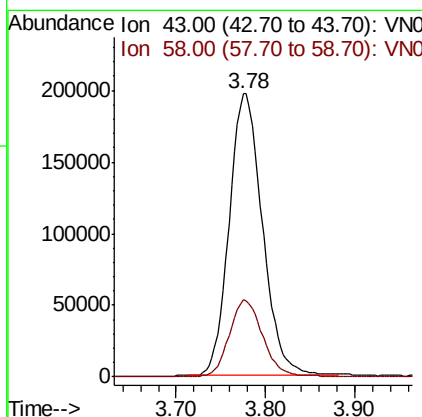
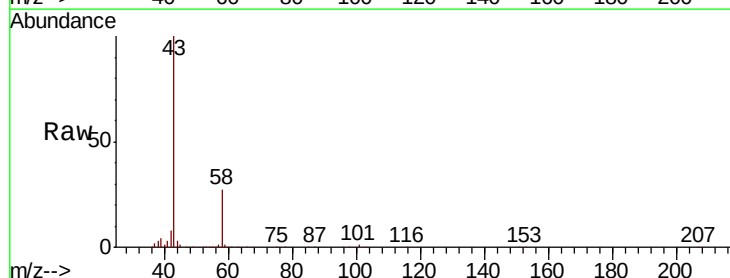
RT: 3.78 min Scan# 633

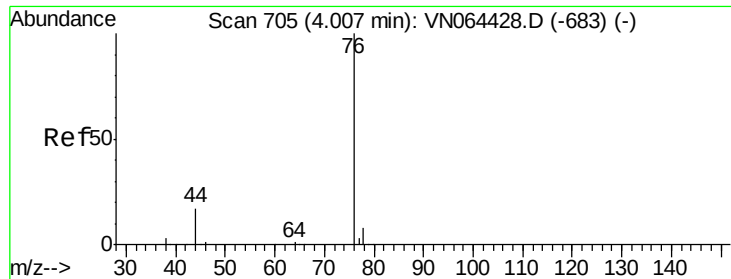
Delta R.T. -0.00 min

Lab File: VN064452.D

Acq: 5 Nov 2020 10:47

Tgt Ion:	43	Resp:	509986
Ion	Ratio	Lower	Upper
43	100		
58	27.2	21.4	32.0





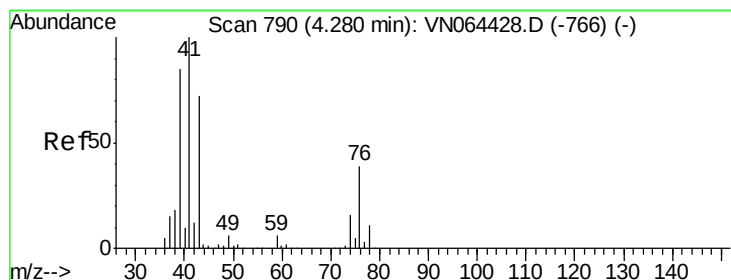
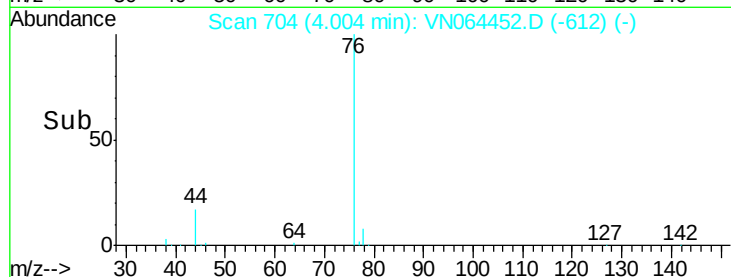
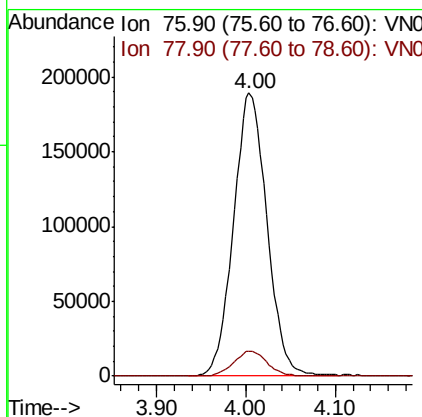
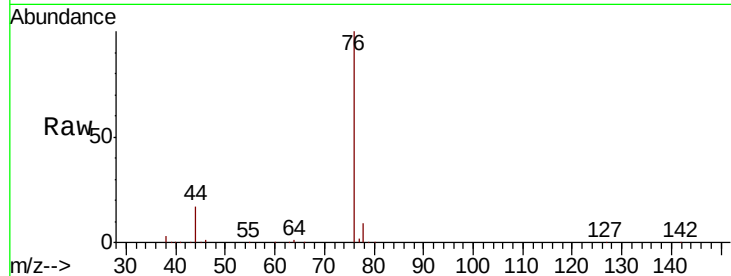
#17
Carbon Disulfide
Concen: 46.949 ug/l
RT: 4.00 min Scan# 704
Delta R.T. -0.00 min
Lab File: VN064452.D
Acq: 5 Nov 2020 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	6.8	10.2

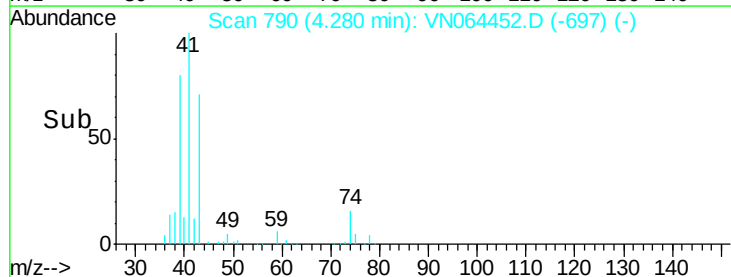
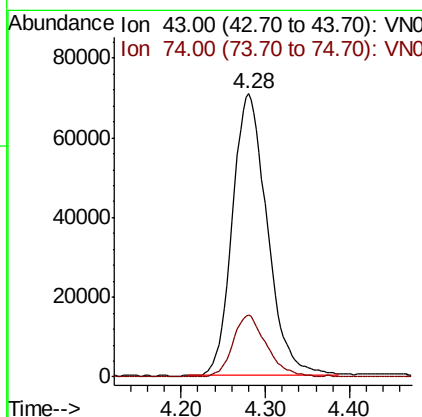
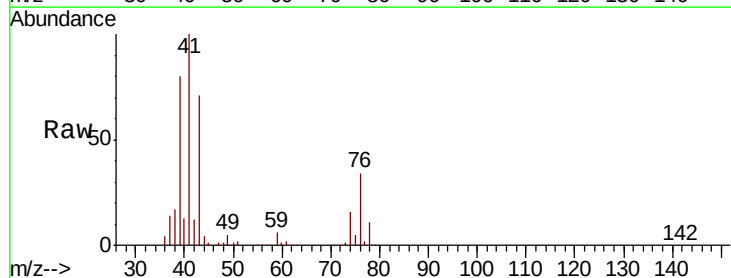
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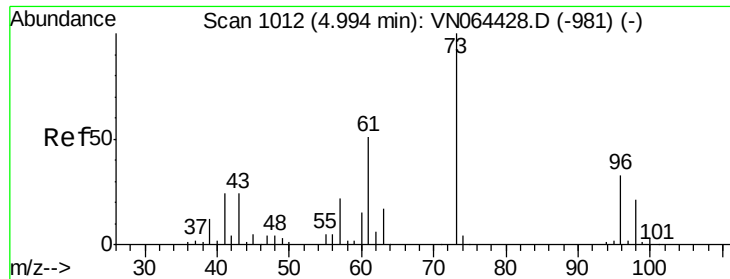
MMDadoda
11/6/2020 8:51:21 AM



#18
Methyl Acetate
Concen: 47.627 ug/l
RT: 4.28 min Scan# 790
Delta R.T. -0.00 min
Lab File: VN064452.D
Acq: 5 Nov 2020 10:47

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.2	17.0	25.4





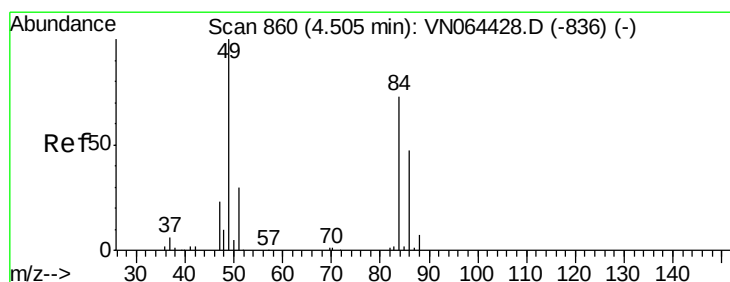
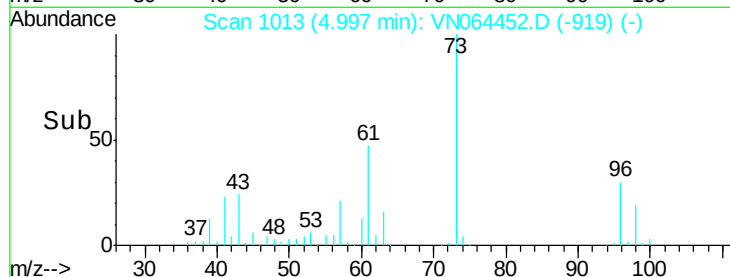
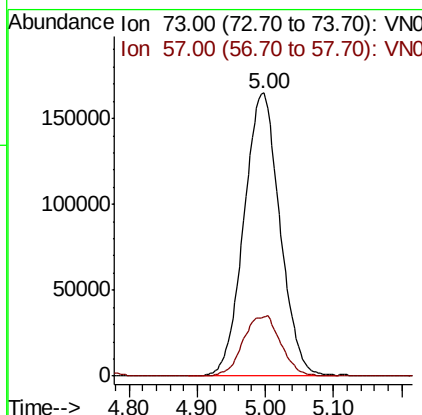
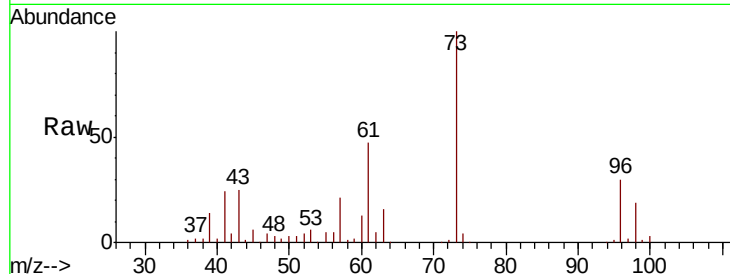
#19
Methyl tert-butyl Ether
Concen: 47.937 ug/l
RT: 5.00 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VN064452.D
Acq: 5 Nov 2020 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 605519
Ion Ratio Lower Upper
73 100
57 20.8 17.7 26.5

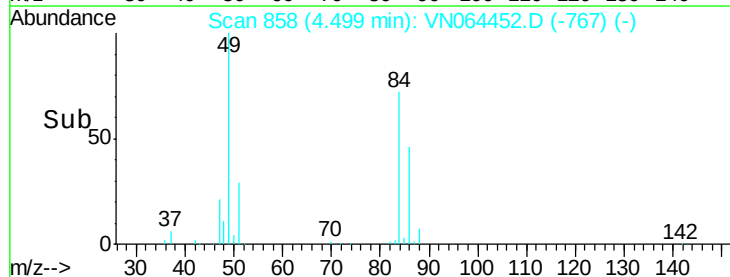
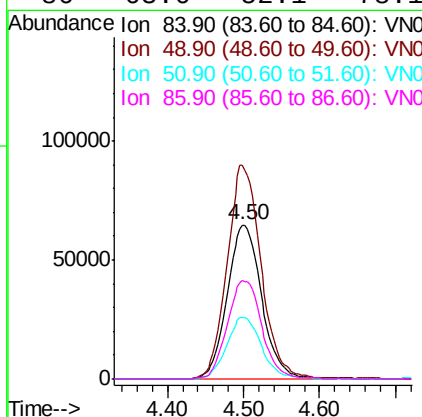
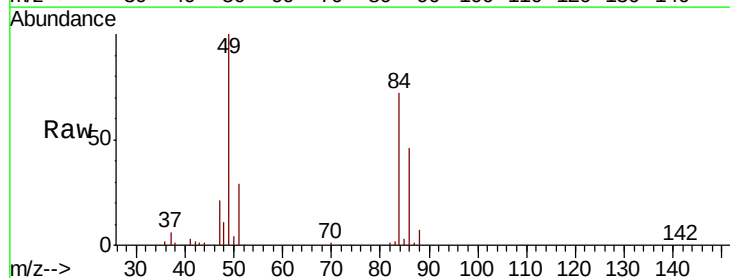
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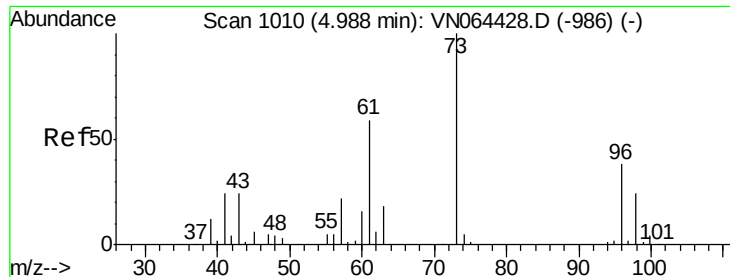
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#20
Methylene Chloride
Concen: 47.162 ug/l
RT: 4.50 min Scan# 858
Delta R.T. -0.01 min
Lab File: VN064452.D
Acq: 5 Nov 2020 10:47

Tgt Ion: 84 Resp: 203743
Ion Ratio Lower Upper
84 100
49 138.6 110.1 165.1
51 39.9 33.6 50.4
86 63.6 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 47.734 ug/l

RT: 4.98 min Scan# 1009

Delta R.T. -0.00 min

Lab File: VN064452.D

Acq: 5 Nov 2020 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 190216

Ion Ratio Lower Upper

96 100

61 151.0 122.4 183.6

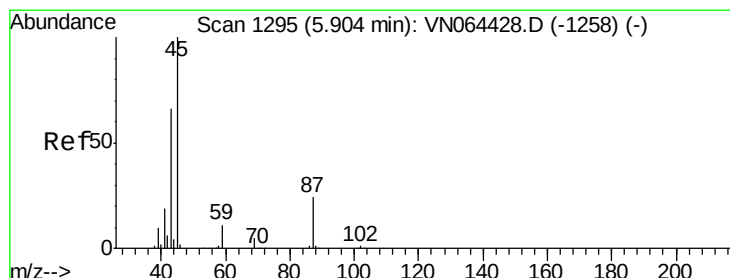
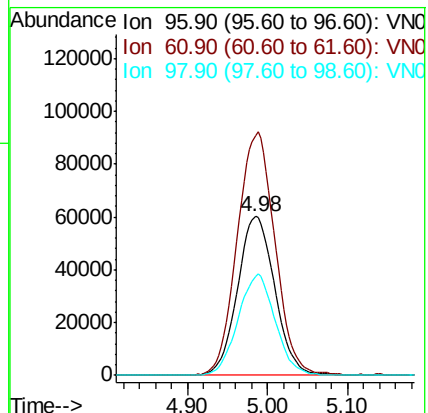
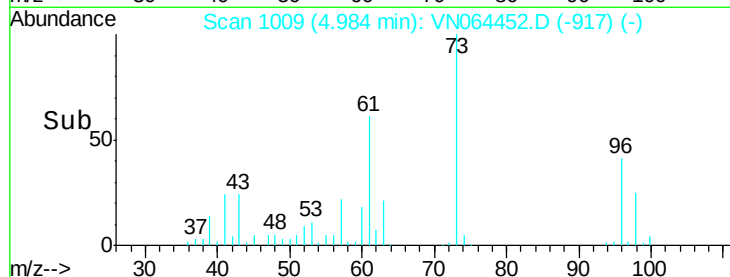
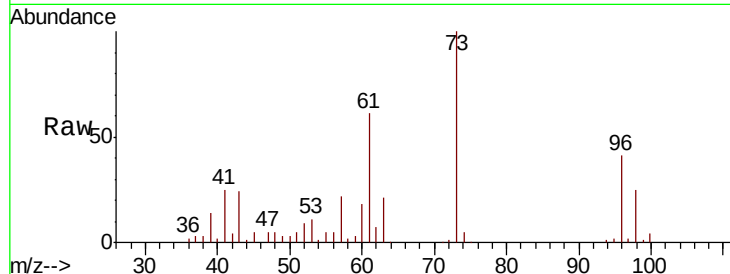
98 62.2 50.4 75.6

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#22

Diisopropyl ether

Concen: 49.105 ug/l

RT: 5.90 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VN064452.D

Acq: 5 Nov 2020 10:47

Tgt Ion: 45 Resp: 715655

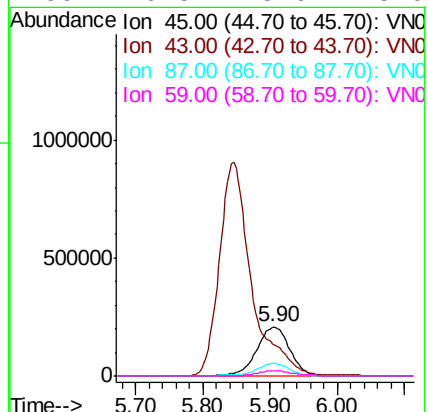
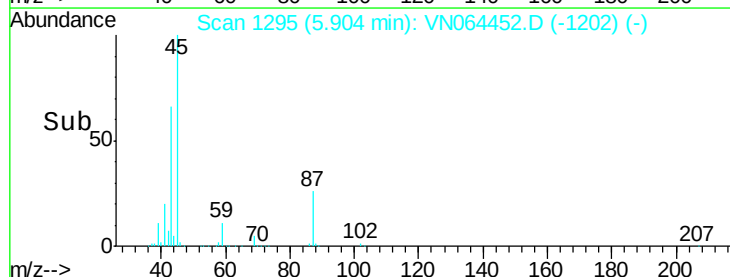
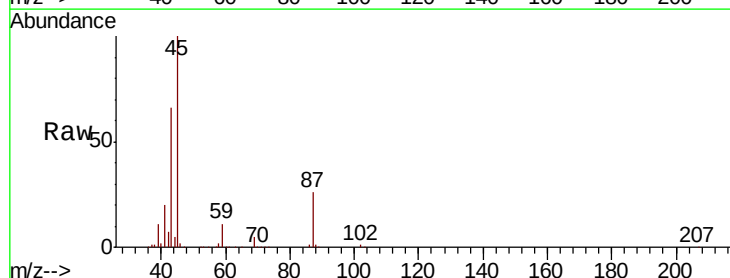
Ion Ratio Lower Upper

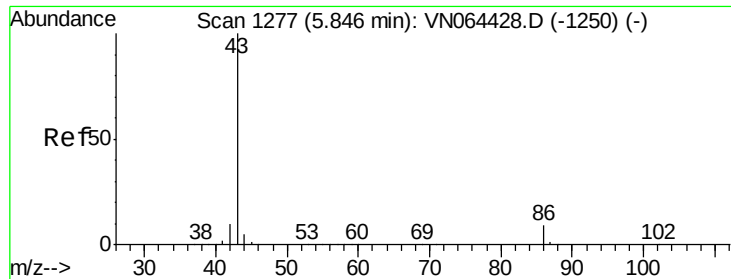
45 100

43 65.4 53.2 79.8

87 26.0 19.9 29.9

59 10.5 8.6 13.0





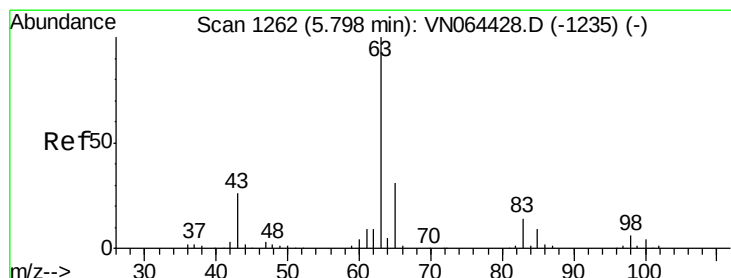
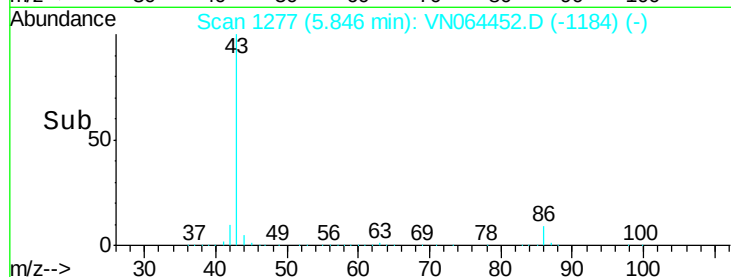
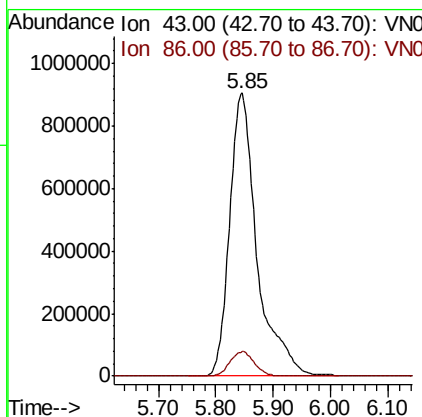
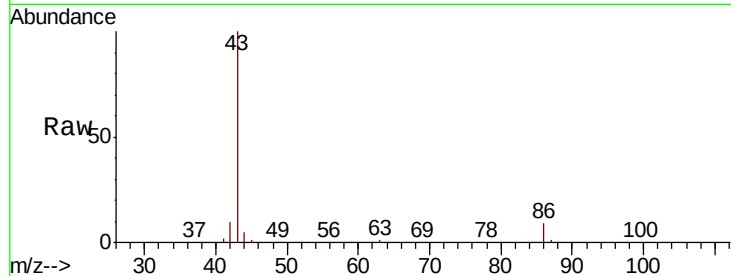
#23
 Vinyl Acetate
 Concen: 254.531 ug/l
 RT: 5.85 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VN064452.D
 Acq: 5 Nov 2020 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 3017677
 Ion Ratio Lower Upper
 43 100
 86 8.7 6.8 10.2

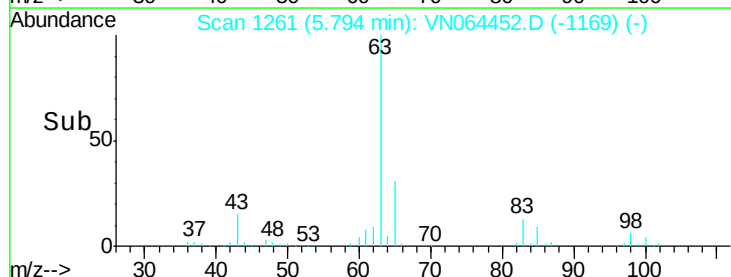
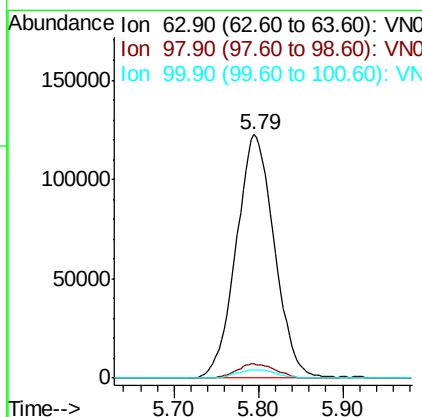
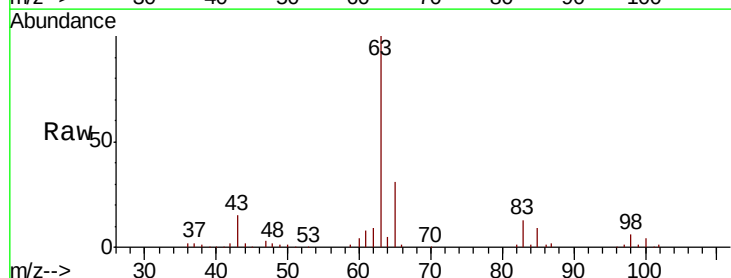
Manual Integrations
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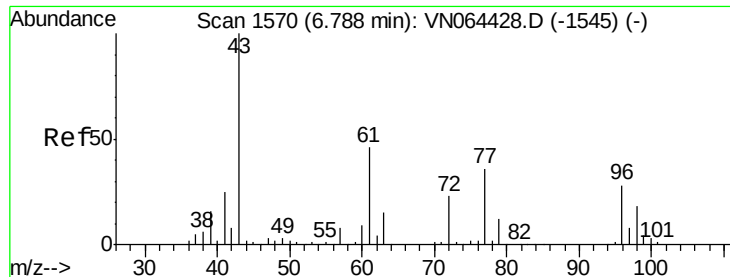
MMDadoda
 11/6/2020 8:51:21 AM



#24
 1,1-Dichloroethane
 Concen: 48.146 ug/l
 RT: 5.79 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VN064452.D
 Acq: 5 Nov 2020 10:47

Tgt Ion: 63 Resp: 385578
 Ion Ratio Lower Upper
 63 100
 98 5.7 3.0 9.2
 100 3.6 1.8 5.3





#25

2-Butanone

Concen: 254.798 ug/l

RT: 6.79 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN064452.D

Acq: 5 Nov 2020 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 706886

Ion Ratio Lower Upper

43 100

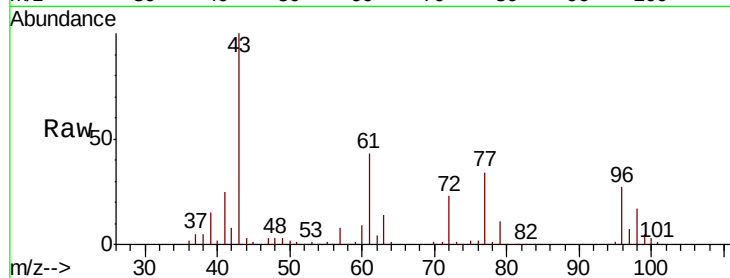
72 23.2 18.5 27.7

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

250000

200000

150000

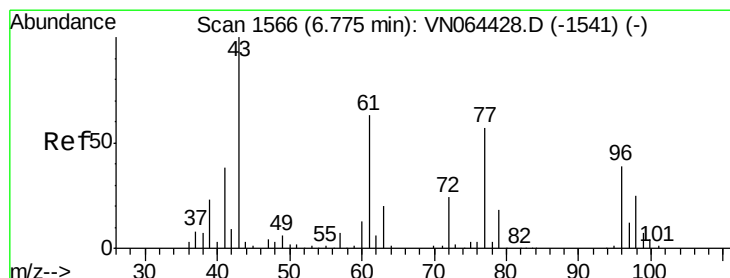
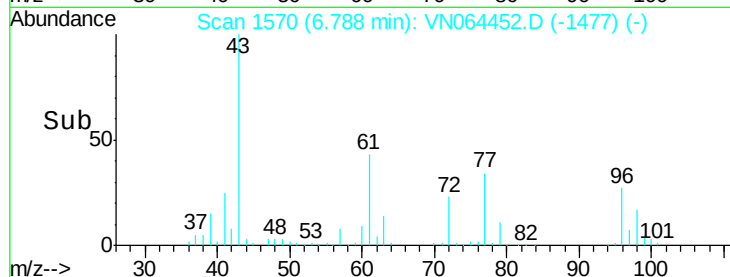
100000

50000

0

6.65 6.70 6.75 6.80 6.85

Time-->



#26

2,2-Dichloropropane

Concen: 47.238 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN064452.D

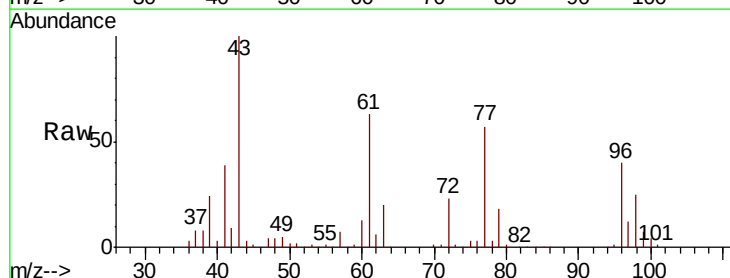
Acq: 5 Nov 2020 10:47

Tgt Ion: 77 Resp: 342458

Ion Ratio Lower Upper

77 100

97 20.6 10.2 30.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

120000

100000

80000

60000

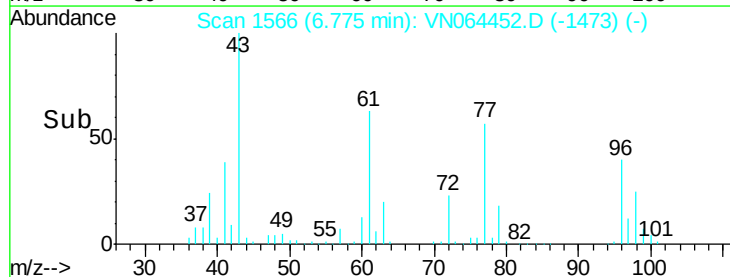
40000

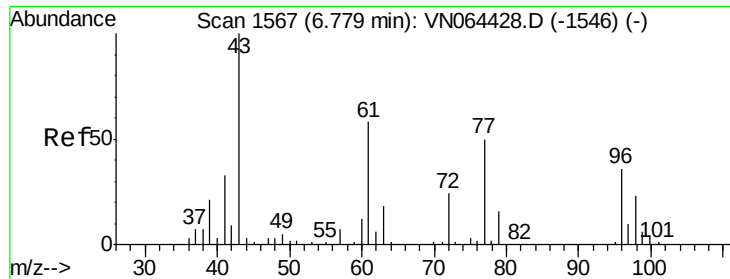
20000

0

6.70 6.80 6.90

Time-->





#27

cis-1,2-Dichloroethene

Concen: 48.203 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN064452.D

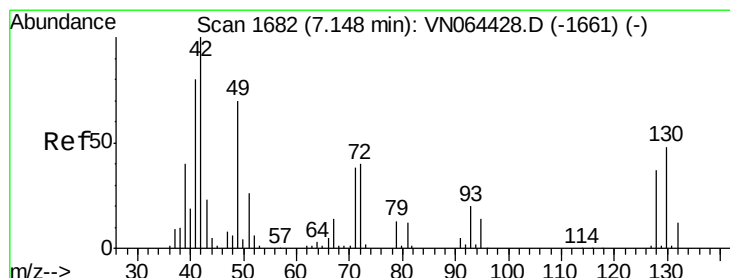
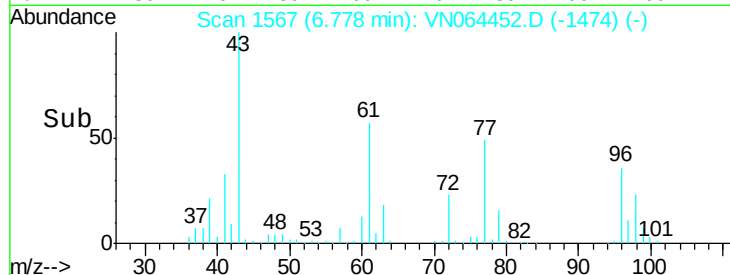
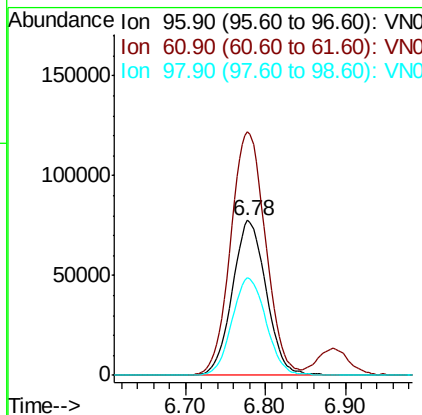
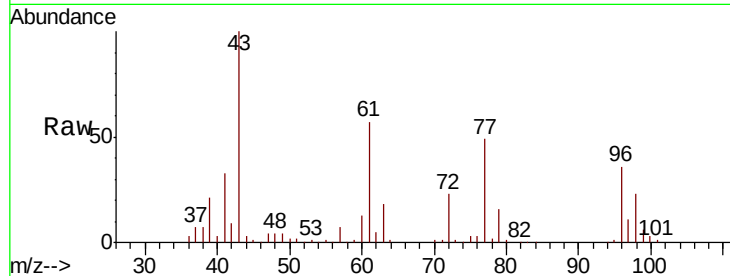
Acq: 5 Nov 2020 10:47

Tot Ion:	96	Resp:	222581
Ion	Ratio	Lower	Upper
96	100		
61	161.7	0.0	329.6
98	63.3	0.0	131.2

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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MMDadoda
11/6/2020 8:51:21 AM



#28

Bromochloromethane

Concen: 46.893 ug/l

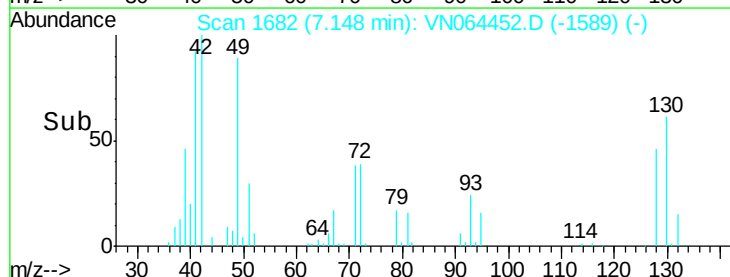
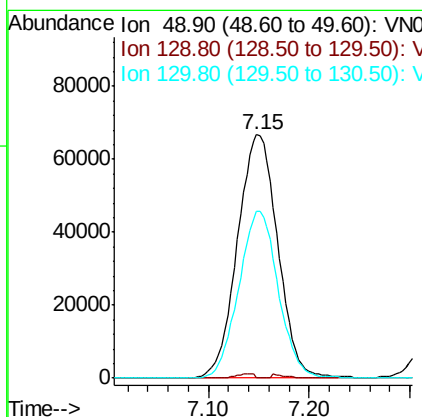
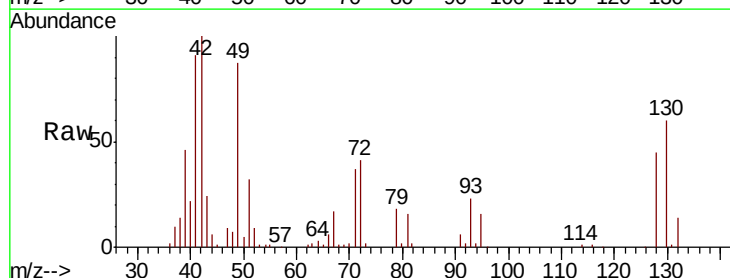
RT: 7.15 min Scan# 1682

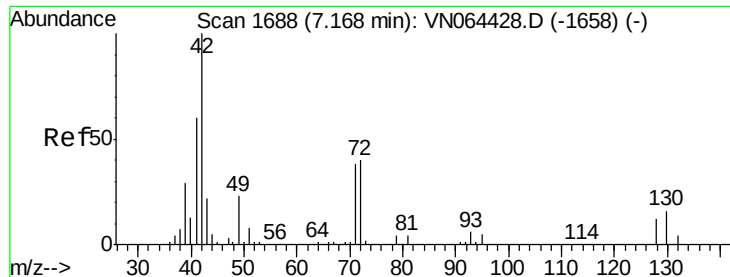
Delta R.T. -0.00 min

Lab File: VN064452.D

Acq: 5 Nov 2020 10:47

Tgt Ion:	49	Resp:	184592
Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	3.6
130	67.2	54.2	81.4





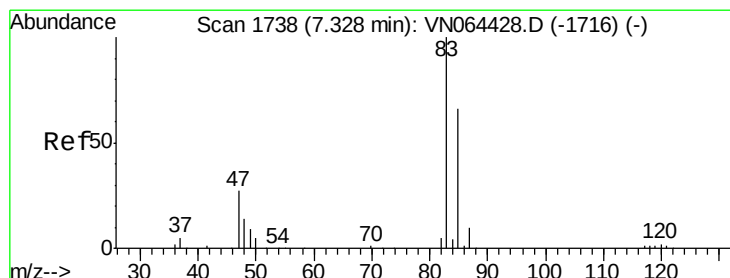
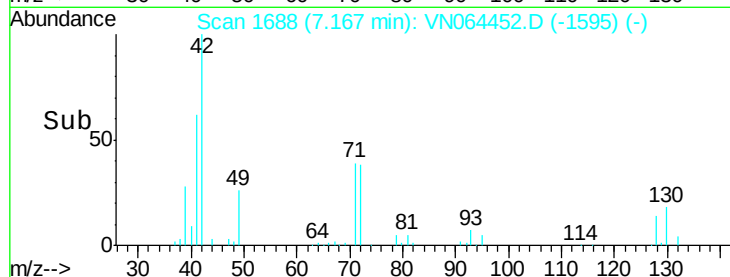
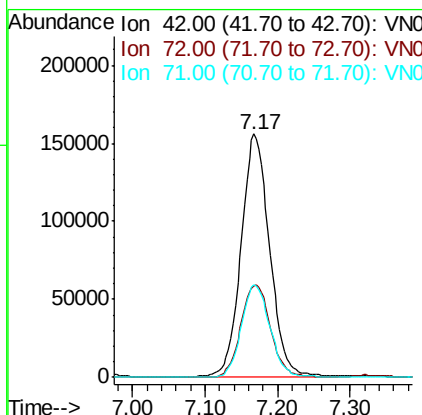
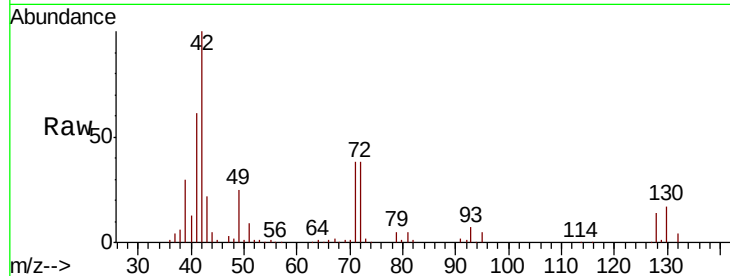
#29
Tetrahydrofuran
Concen: 251.043 ug/l
RT: 7.17 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VN064452.D
Acq: 5 Nov 2020 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.6	31.7	47.5
71	38.1	29.8	44.6

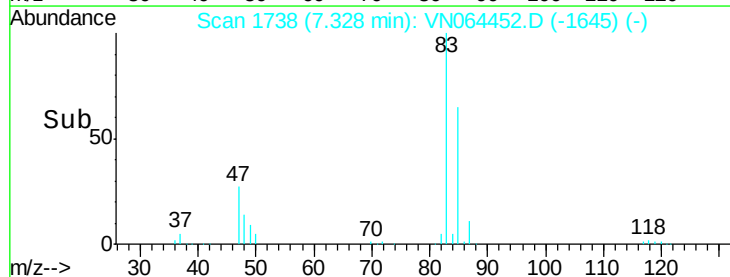
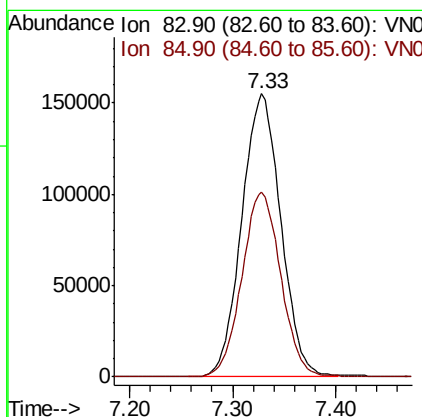
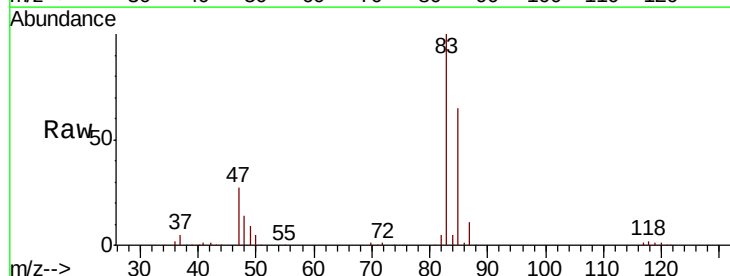
Manual Integrations
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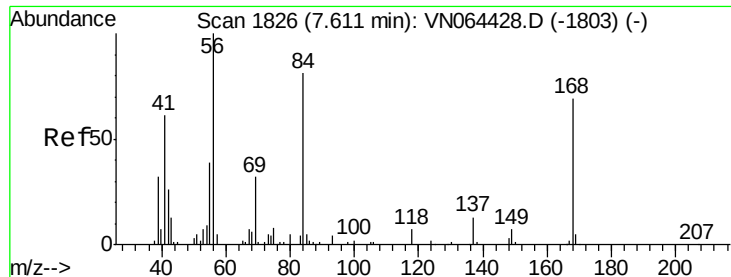
MMDadoda
11/6/2020 8:51:21 AM



#30
Chloroform
Concen: 48.541 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN064452.D
Acq: 5 Nov 2020 10:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.5	78.7





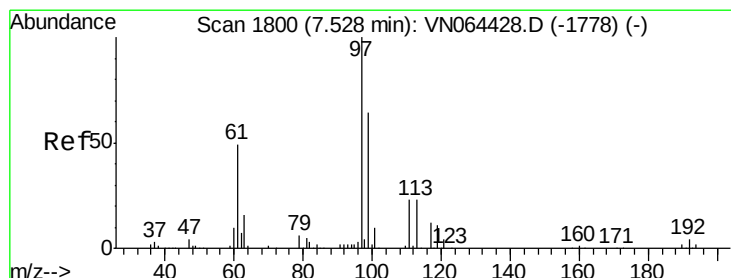
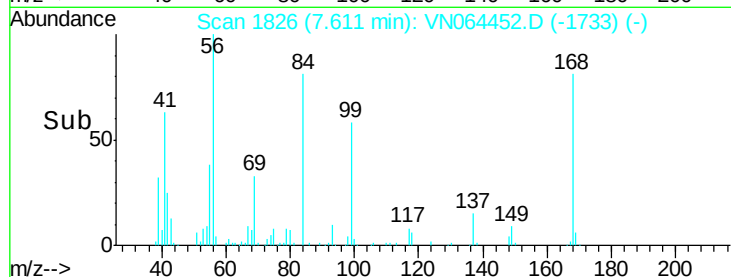
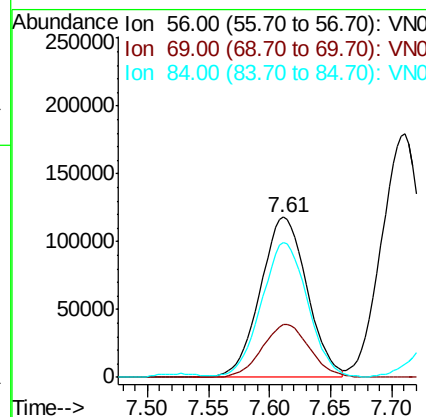
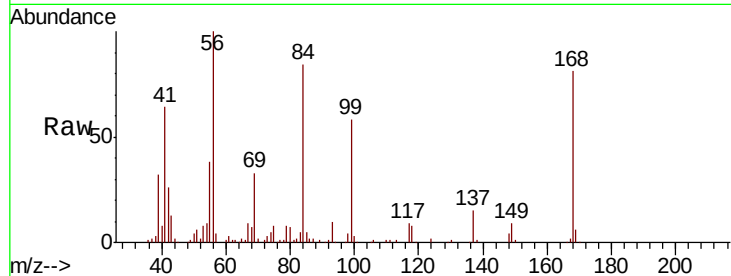
#31
Cyclohexane
Concen: 45.229 ug/l
RT: 7.61 min Scan# 1826
Delta R.T. -0.00 min
Lab File: VN064452.D
Acq: 5 Nov 2020 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.9	25.6	38.4
84	82.7	63.0	94.6

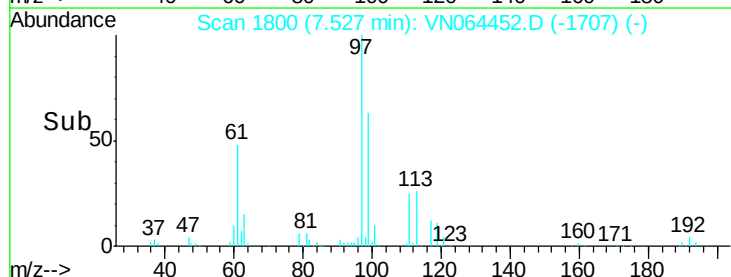
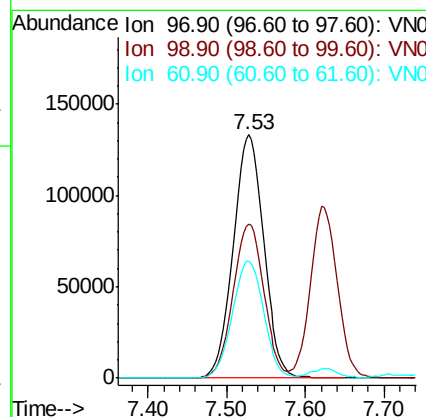
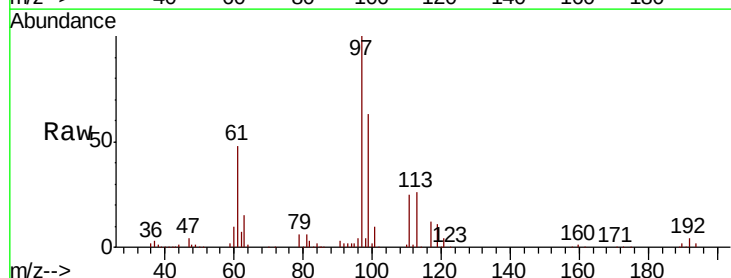
Manual Integrations
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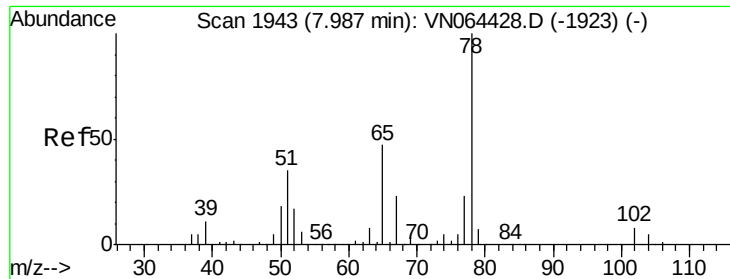
MMDadoda
11/6/2020 8:51:21 AM



#32
1,1,1-Trichloroethane
Concen: 48.143 ug/l
RT: 7.53 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VN064452.D
Acq: 5 Nov 2020 10:47

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.3	76.9
61	49.4	39.1	58.7





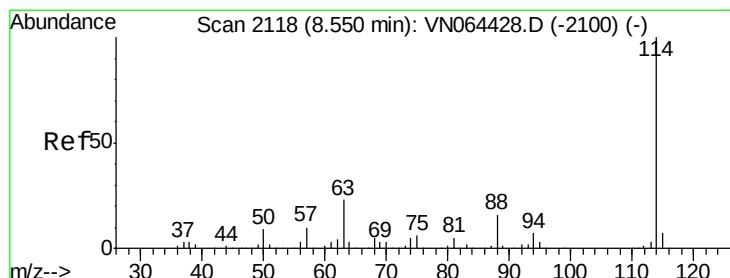
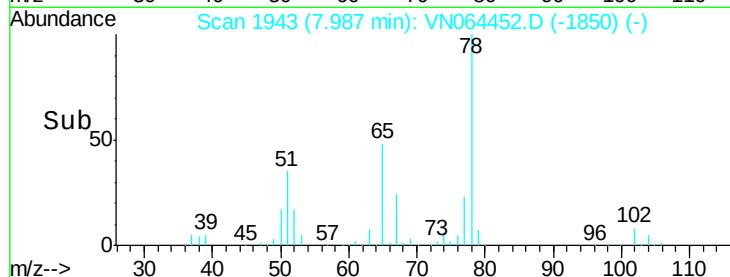
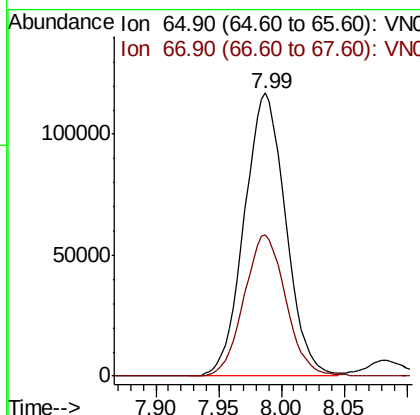
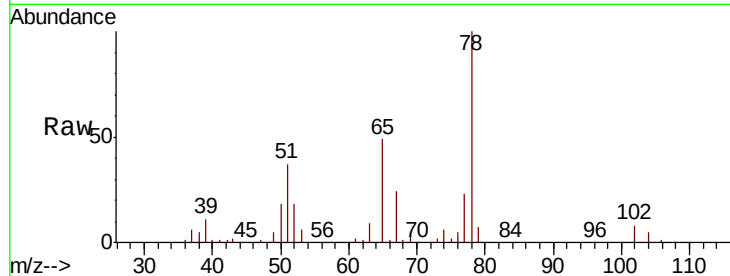
#33
 1,2-Dichloroethane-d4
 Concen: 47.082 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN064452.D
 Acq: 5 Nov 2020 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	269130		
67	50.4	0.0	101.6	

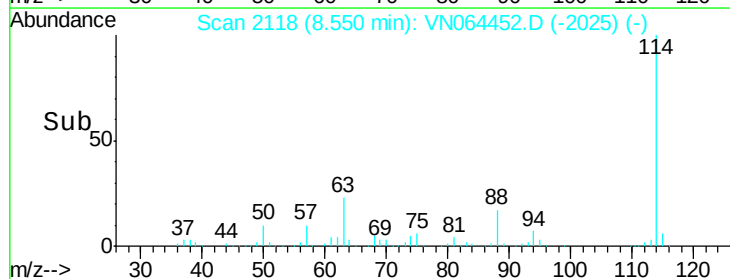
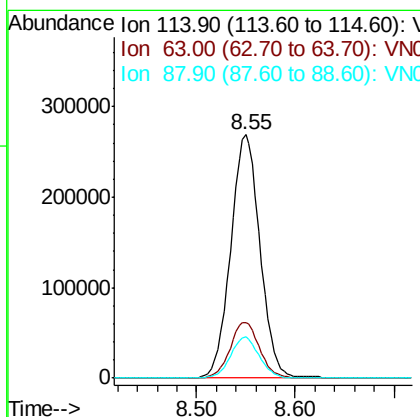
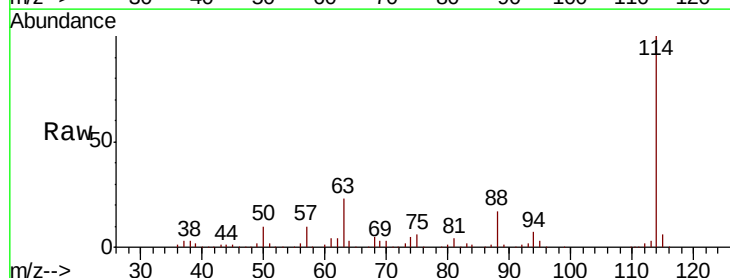
Manual Integrations
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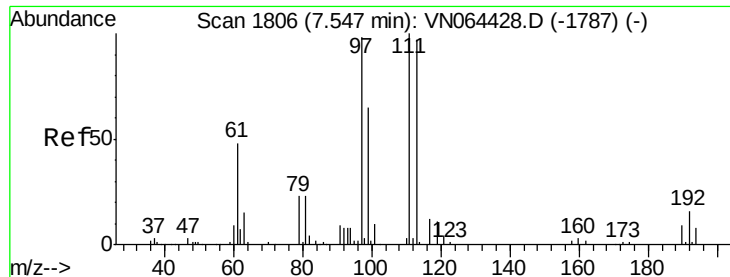
MMDadoda
 11/6/2020 8:51:21 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN064452.D
 Acq: 5 Nov 2020 10:47

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	555931		
63	22.9	0.0	45.6	
88	16.8	0.0	32.8	





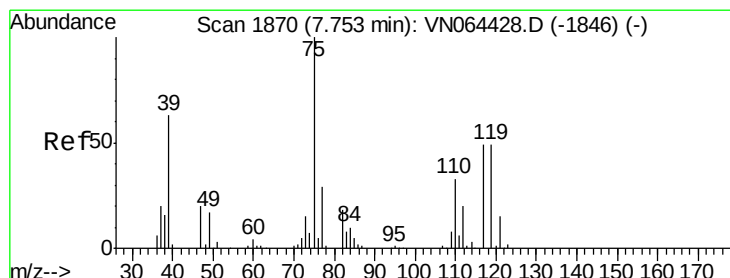
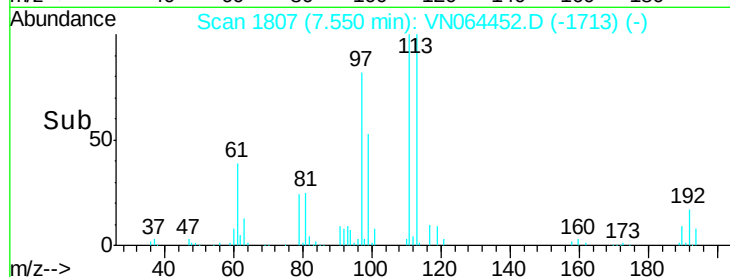
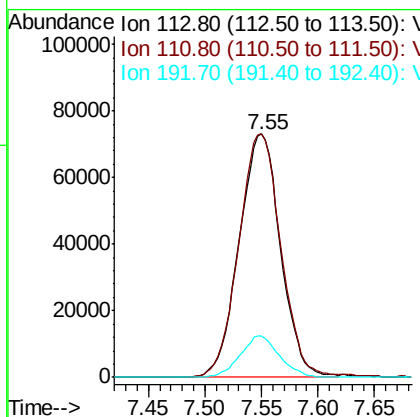
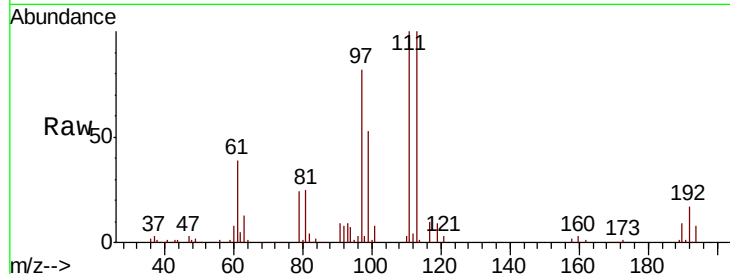
#35
 Dibromofluoromethane
 Concen: 49.012 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064452.D
 Acq: 5 Nov 2020 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	185515		
111	101.8	81.1	121.7	
192	16.2	12.8	19.2	

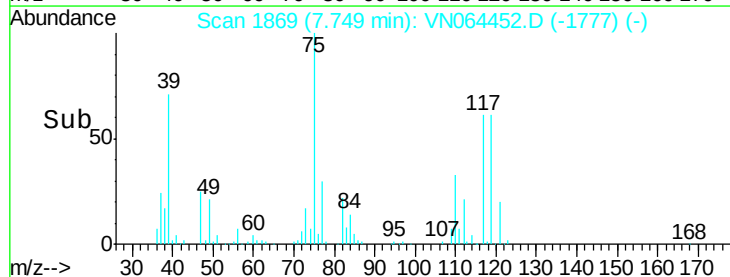
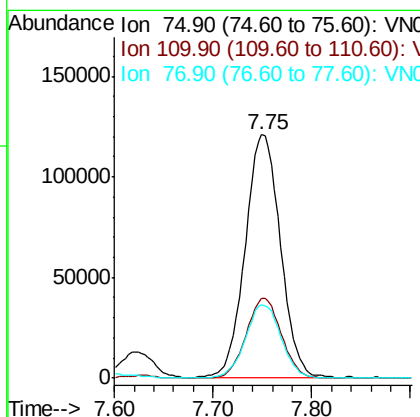
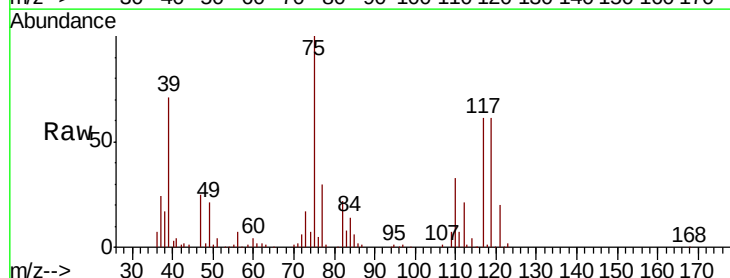
Manual Integrations
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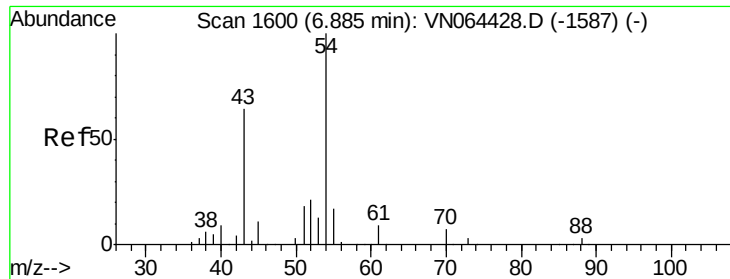
MMDadoda
 11/6/2020 8:51:21 AM



#36
 1,1-Dichloropropene
 Concen: 50.609 ug/l
 RT: 7.75 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VN064452.D
 Acq: 5 Nov 2020 10:47

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	297230		
110	32.8	16.0	48.0	
77	30.8	24.0	36.0	





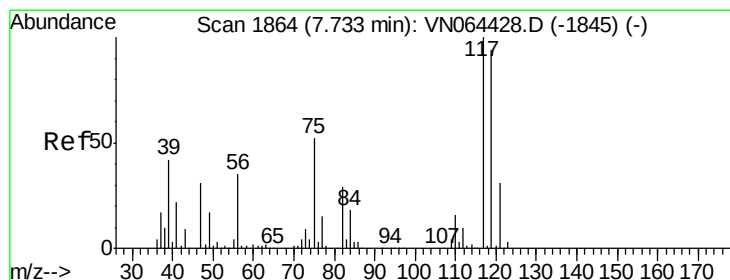
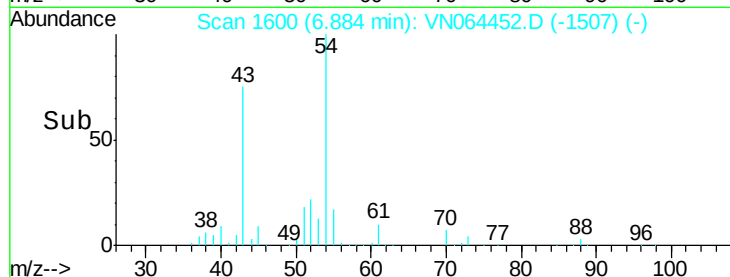
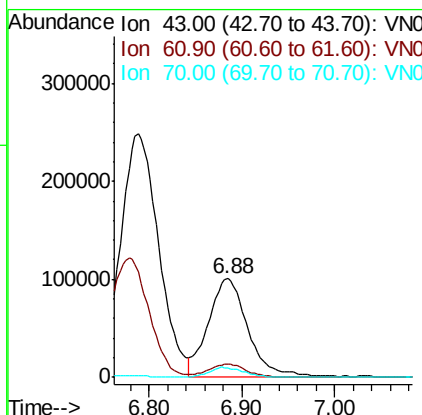
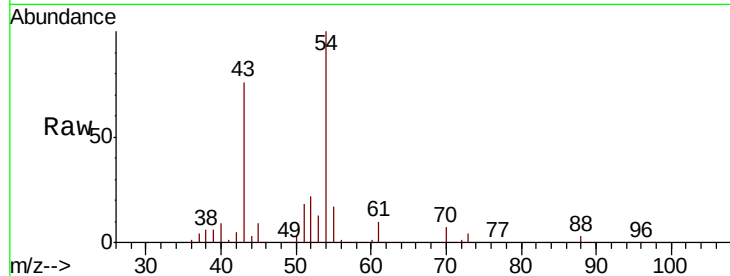
#37
Ethyl Acetate
Concen: 49.307 ug/l
RT: 6.88 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VN064452.D
Acq: 5 Nov 2020 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.2	10.0	15.0
70	8.8	7.1	10.7

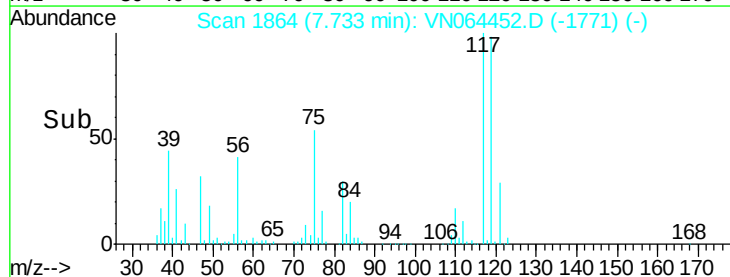
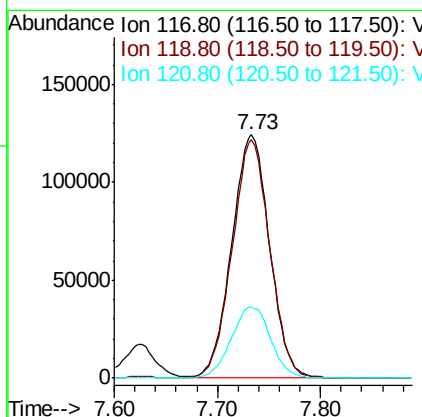
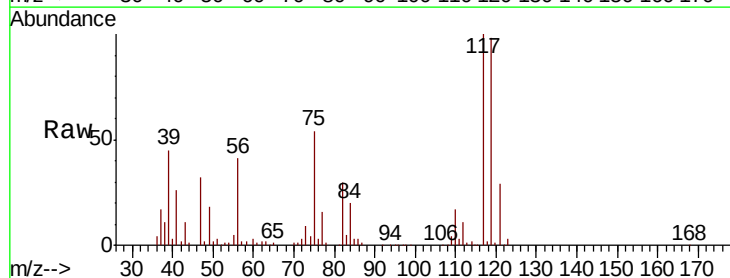
Manual Integrations
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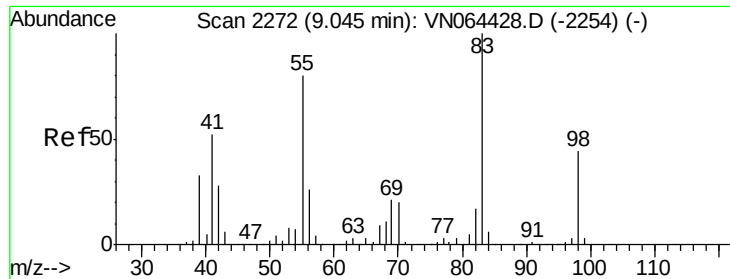
MMDadoda
11/6/2020 8:51:21 AM



#38
Carbon Tetrachloride
Concen: 50.308 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN064452.D
Acq: 5 Nov 2020 10:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.8	75.5	113.3
121	29.3	24.4	36.6





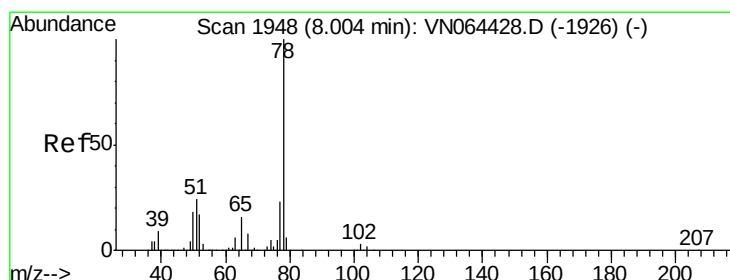
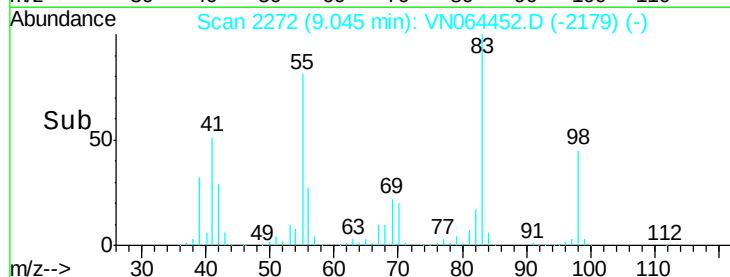
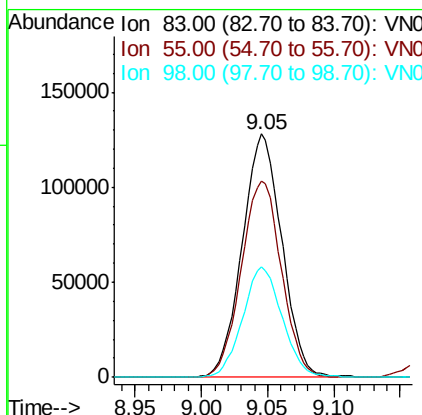
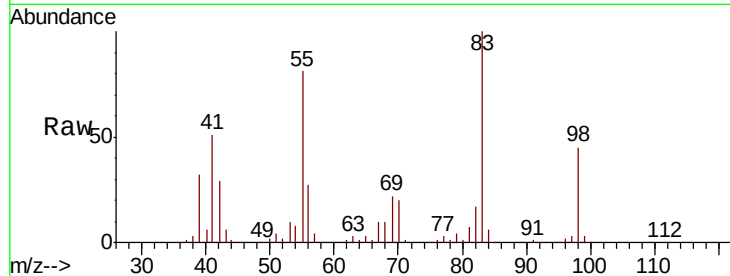
#39
Methylvlcyclohexane
Concen: 50.460 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN064452.D
Acq: 5 Nov 2020 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	265661		
55	80.5		63.8	95.6
98	45.2		35.4	53.2

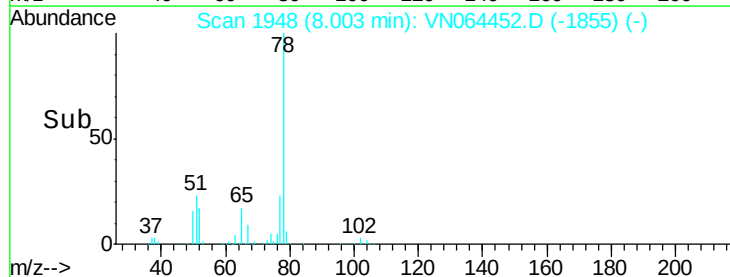
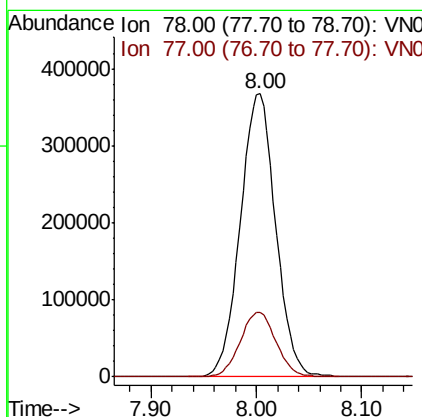
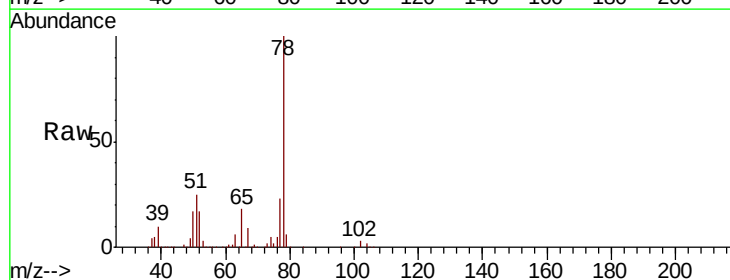
Manual Integrations
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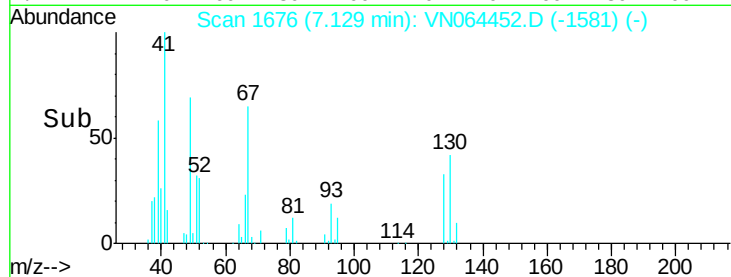
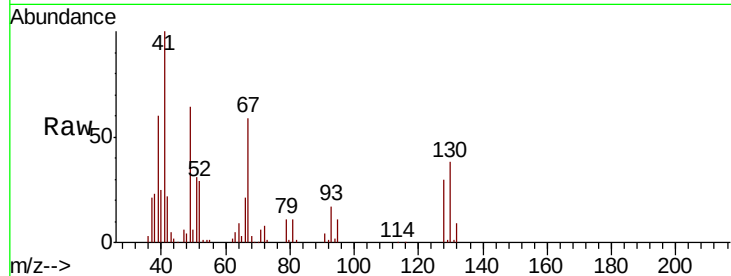
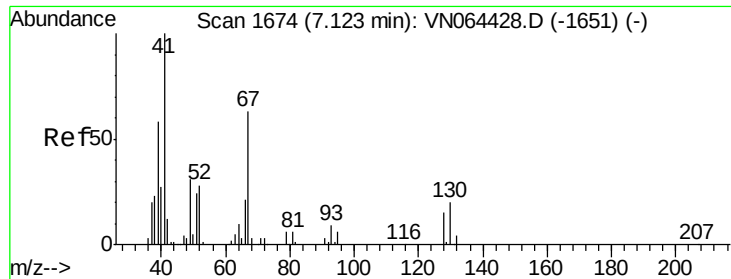
MMDadoda
11/6/2020 8:51:21 AM



#40
Benzene
Concen: 49.644 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VN064452.D
Acq: 5 Nov 2020 10:47

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	856750		
77	23.0		18.7	28.1





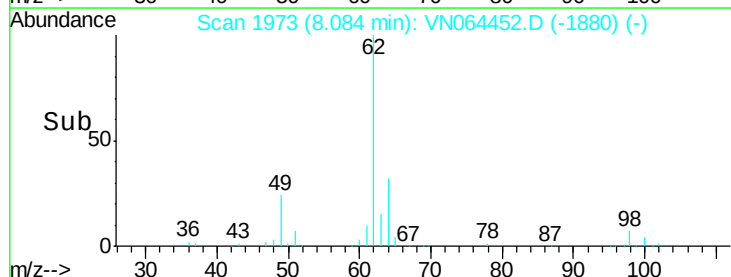
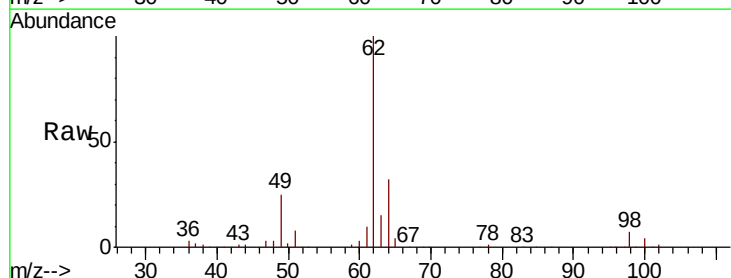
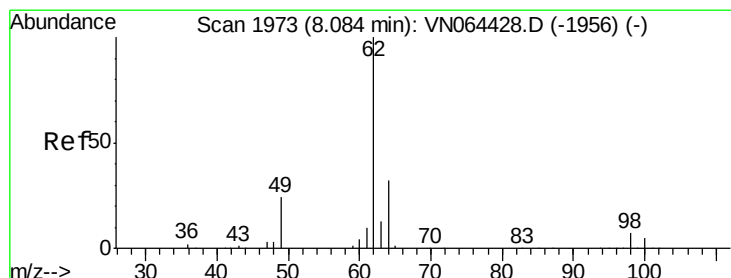
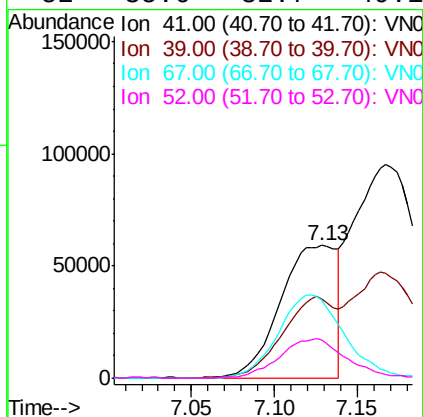
#41
Methacrylonitrile
Concen: 53.791 ug/l
RT: 7.13 min Scan# 1676
Delta R.T. 0.01 min
Lab File: VN064452.D
Acq: 5 Nov 2020 10:47

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		140061		
39	57.5	50.0	75.0		
67	74.6	68.3	102.5		
52	35.6	32.7	49.1		

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

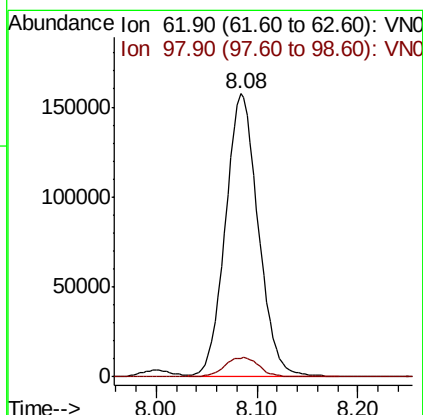
Manual Integrations
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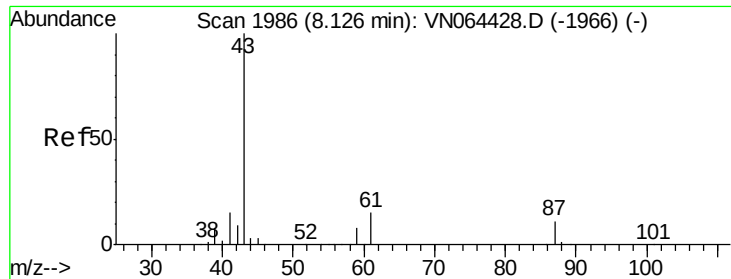
MMDadoda
11/6/2020 8:51:21 AM



#42
1,2-Dichloroethane
Concen: 51.044 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN064452.D
Acq: 5 Nov 2020 10:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		355496		
98	7.2	0.0	14.0		





#43

Isopropyl Acetate

Concen: 51.125 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN064452.D

Acq: 5 Nov 2020 10:47

Instrument :

MSVOA_N

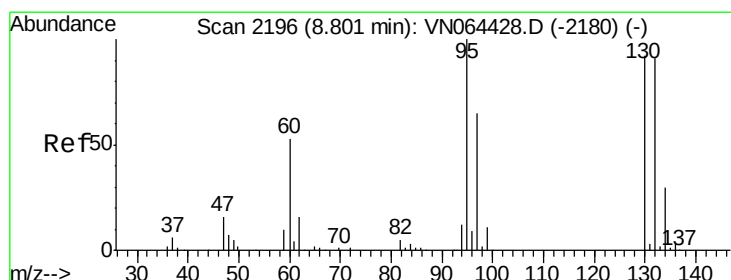
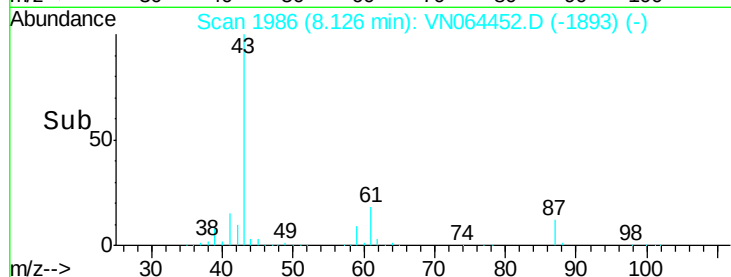
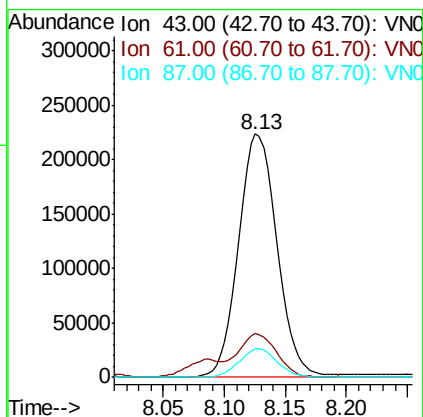
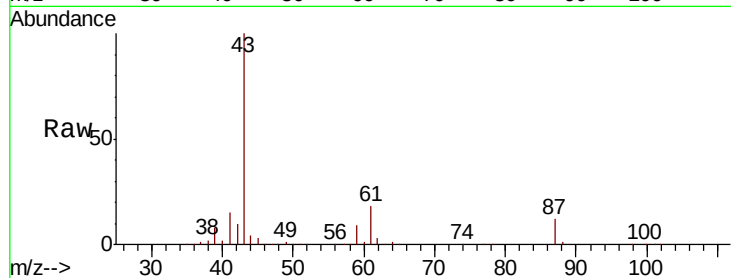
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	486599
Ion	Ratio	Lower	Upper
43	100		
61	17.7	14.0	21.0
87	11.7	9.1	13.7

Manual Integrations
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#44

Trichloroethene

Concen: 49.273 ug/l

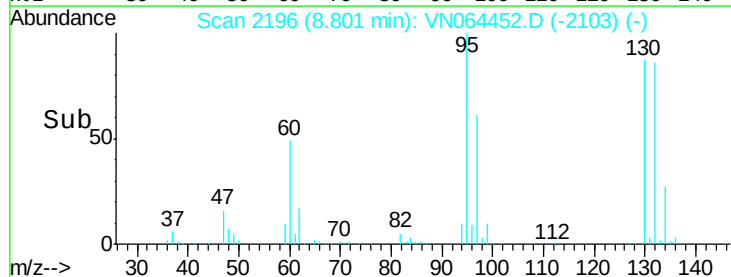
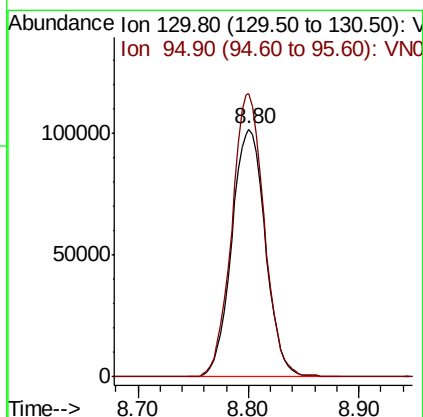
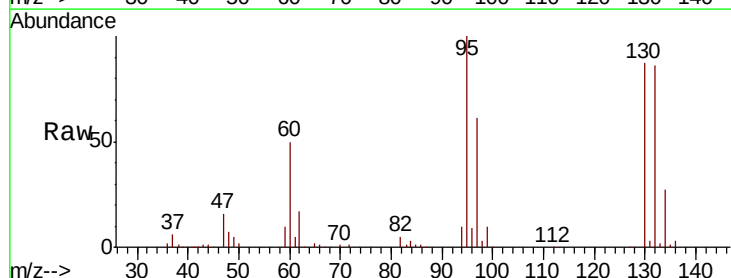
RT: 8.80 min Scan# 2196

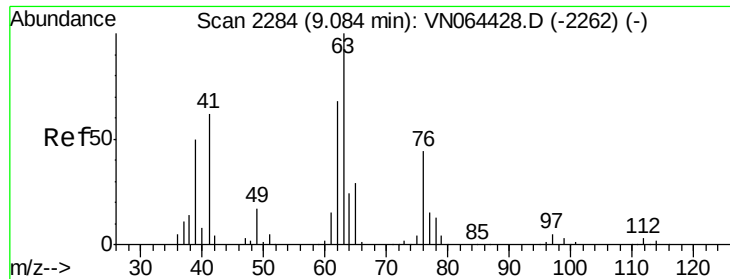
Delta R.T. -0.00 min

Lab File: VN064452.D

Acq: 5 Nov 2020 10:47

Tgt Ion:	130	Resp:	214544
Ion	Ratio	Lower	Upper
130	100		
95	114.3	0.0	216.8





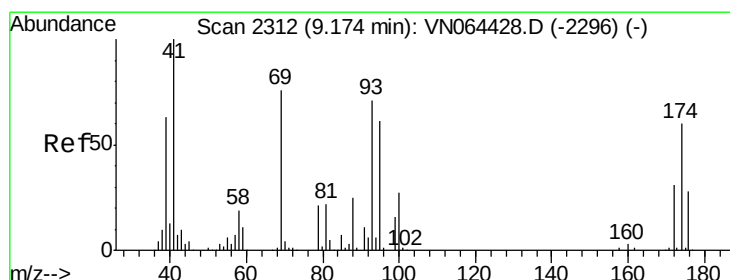
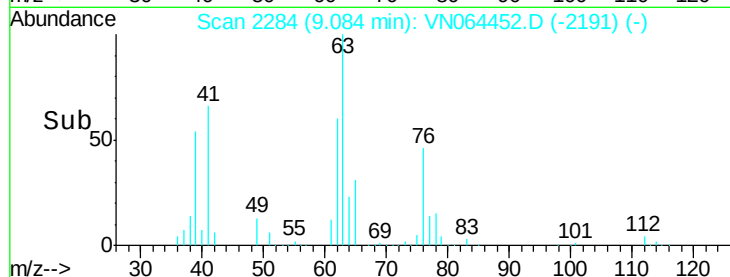
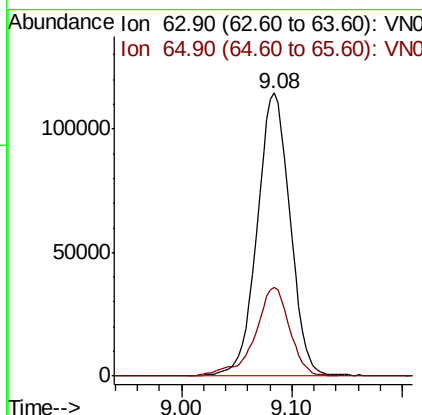
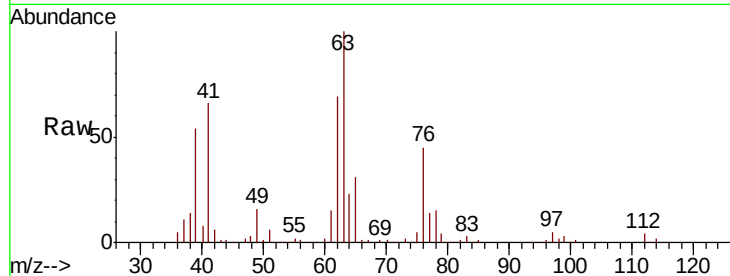
#45
 1,2-Dichloropropane
 Concen: 51.435 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN064452.D
 Acq: 5 Nov 2020 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 236850
 Ion Ratio Lower Upper
 63 100
 65 31.2 23.6 35.4

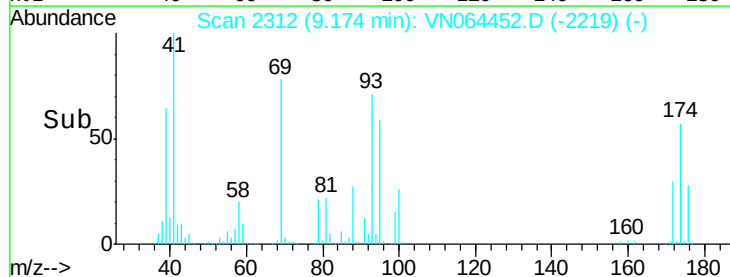
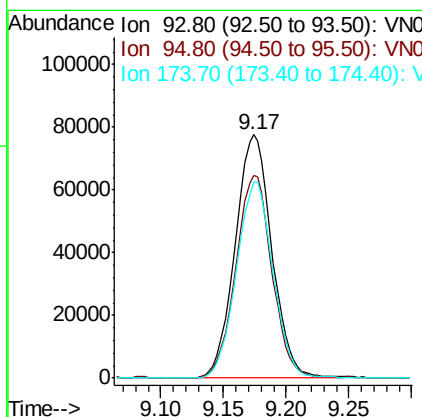
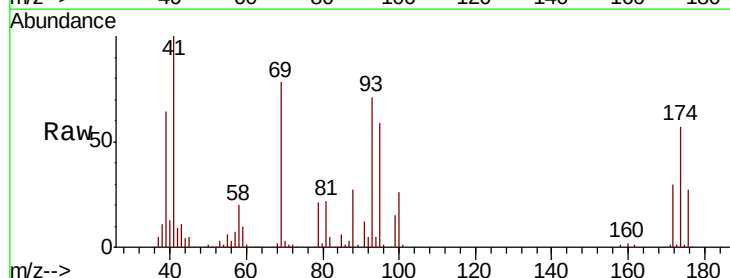
Manual Integrations
 APPROVED

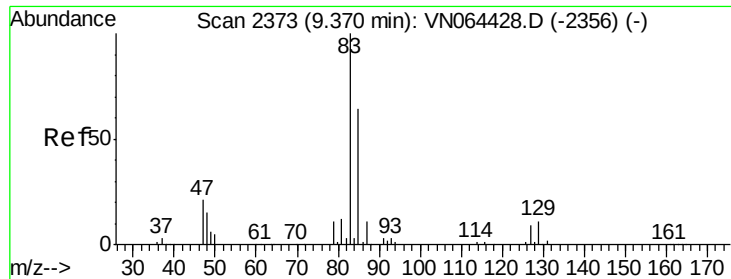
MMDadoda
 11/6/2020 8:51:21 AM



#46
 Dibromomethane
 Concen: 52.108 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN064452.D
 Acq: 5 Nov 2020 10:47

Tgt Ion: 93 Resp: 157956
 Ion Ratio Lower Upper
 93 100
 95 81.8 66.4 99.6
 174 80.5 67.2 100.8





#47

Bromodichloromethane

Concen: 50.560 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN064452.D

Acq: 5 Nov 2020 10:47

Instrument :

MSVOA_N

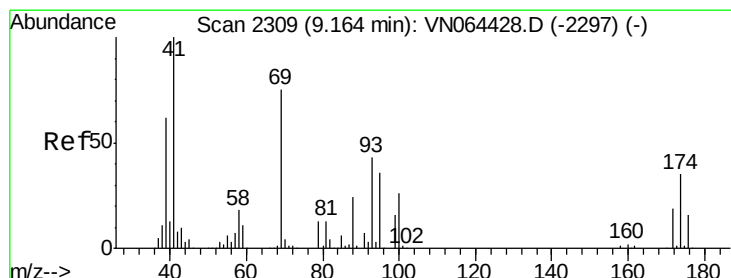
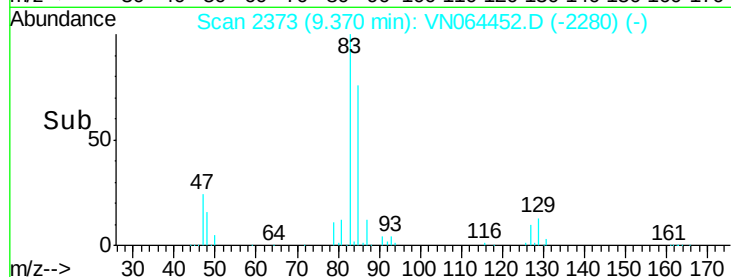
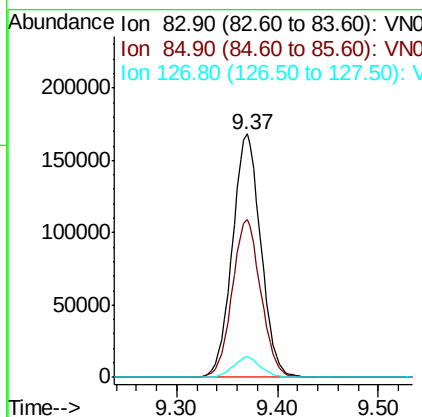
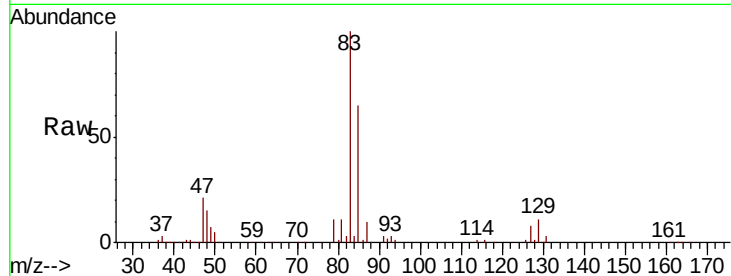
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	329545
Ion Ratio	Lower	Upper	
83	100		
85	65.0	51.2	76.8
127	8.4	6.9	10.3

Manual Integrations
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MMDadoda
11/6/2020 8:51:21 AM



#48

Methyl methacrylate

Concen: 52.426 ug/l

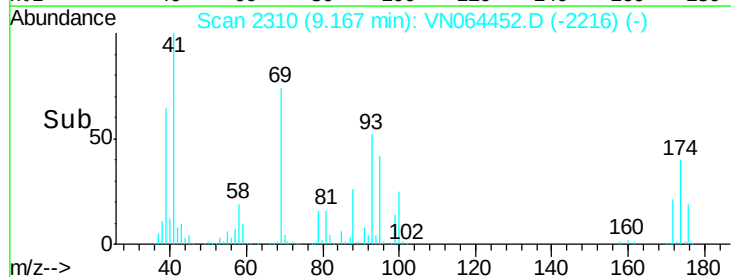
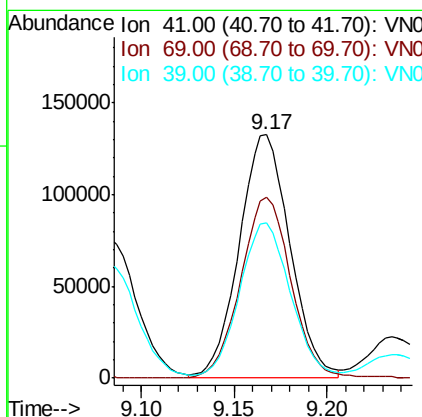
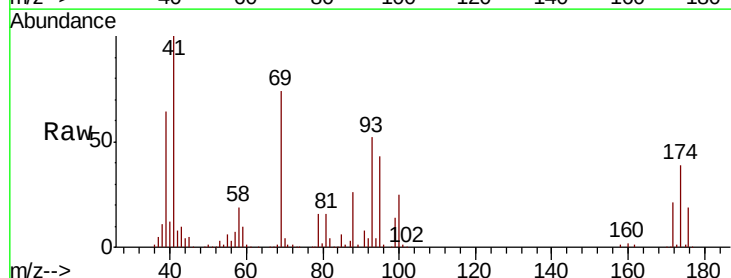
RT: 9.17 min Scan# 2310

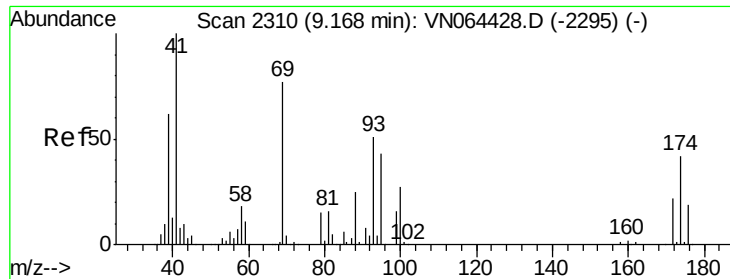
Delta R.T. 0.00 min

Lab File: VN064452.D

Acq: 5 Nov 2020 10:47

Tgt Ion:	41	Resp:	251785
Ion Ratio	Lower	Upper	
41	100		
69	74.7	60.4	90.6
39	64.2	51.2	76.8





#49

1,4-Dioxane

Concen: 1118.989 ug/l

RT: 9.17 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN064452.D

Acq: 5 Nov 2020 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 88 Resp: 70785

Ion Ratio Lower Upper

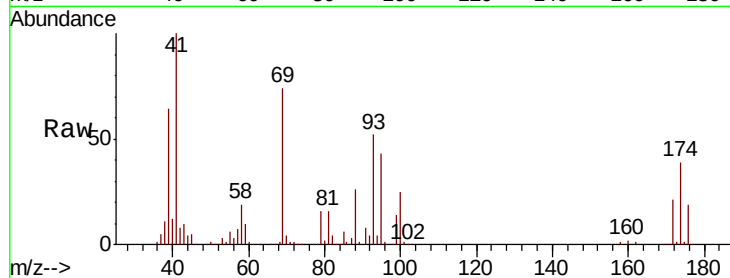
88 100

43 38.7 31.0 46.6

58 71.8 58.4 87.6

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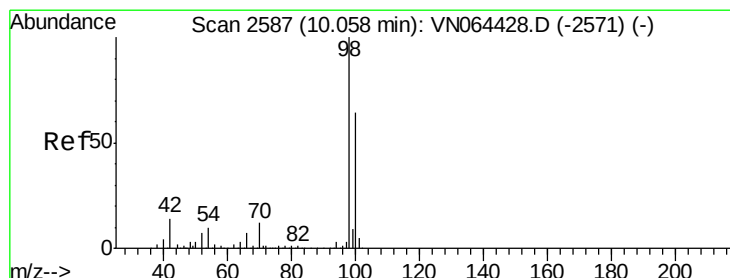
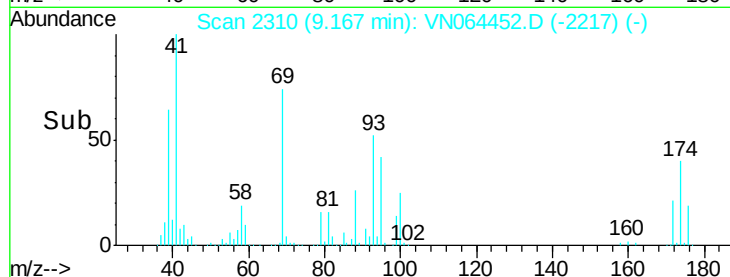
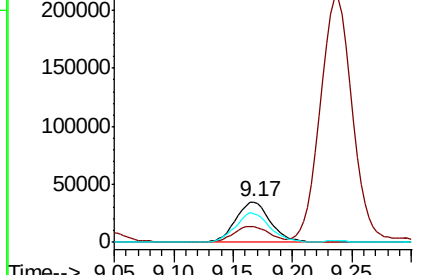
MMDadoda
11/6/2020 8:51:21 AM



Abundance Ion 88.00 (87.70 to 88.70): VN064428.D (-2295) (-)

Ion 43.00 (42.70 to 43.70): VN064428.D (-2295) (-)

Ion 58.00 (57.70 to 58.70): VN064428.D (-2295) (-)



#50

Toluene-d8

Concen: 48.982 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN064452.D

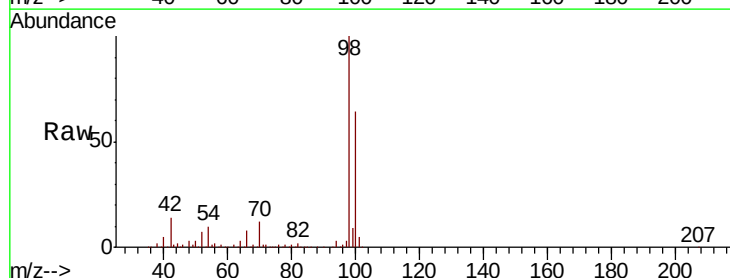
Acq: 5 Nov 2020 10:47

Tgt Ion: 98 Resp: 716578

Ion Ratio Lower Upper

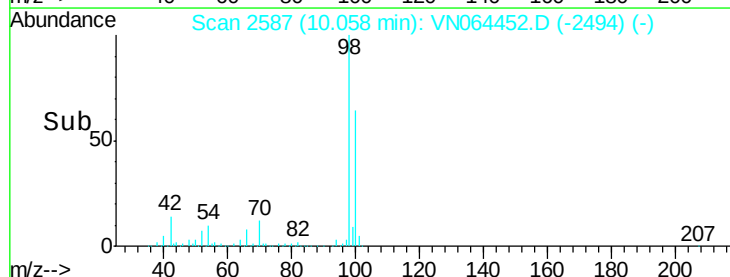
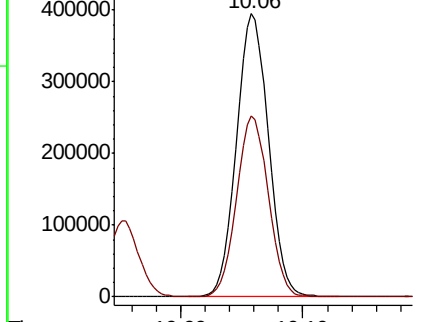
98 100

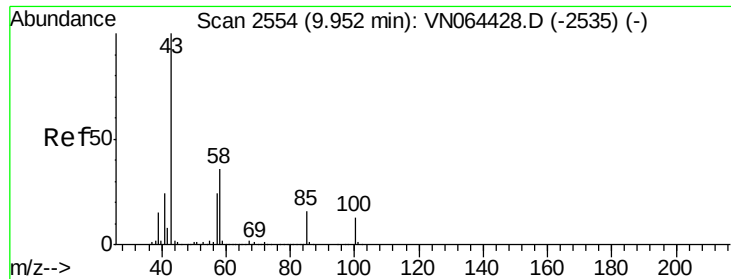
100 63.1 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN064428.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN064428.D (-2571) (-)





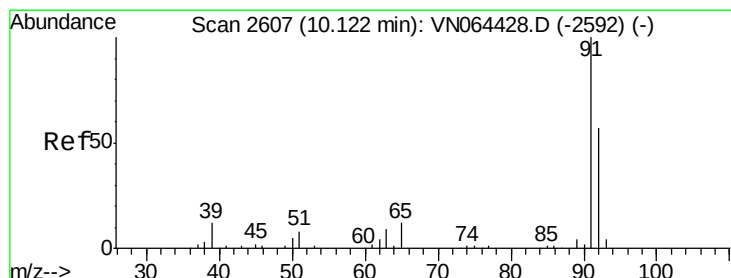
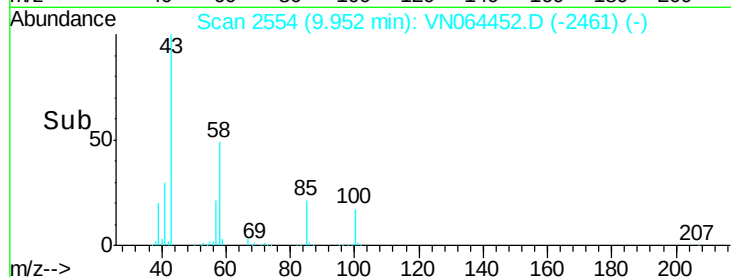
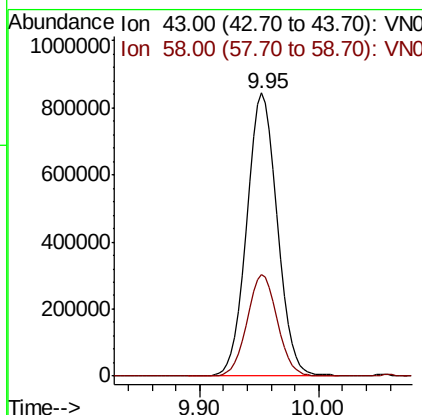
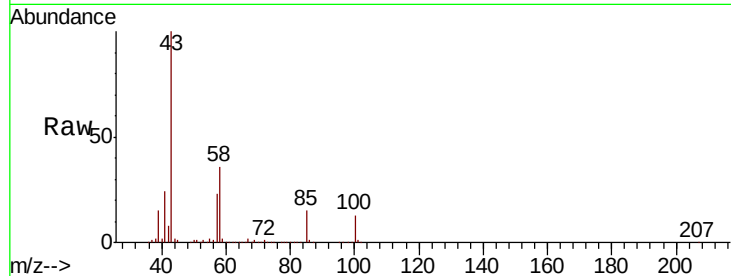
#51
4-Methyl-2-Pentanone
Concen: 269.698 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN064452.D
Acq: 5 Nov 2020 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1496948
Ion Ratio Lower Upper
43 100
58 35.5 28.4 42.6

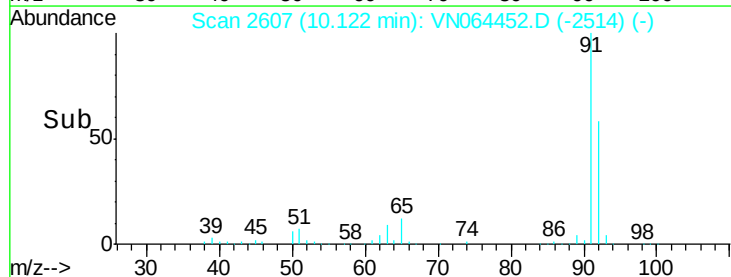
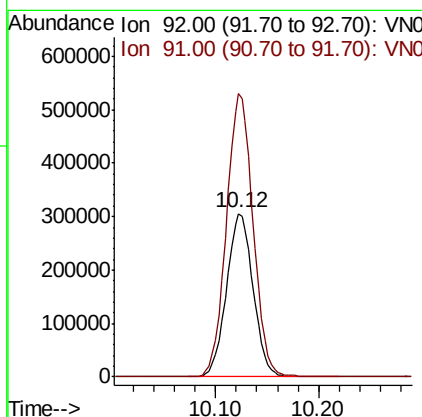
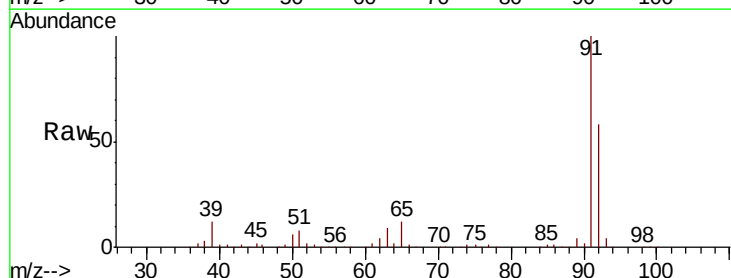
Manual Integrations
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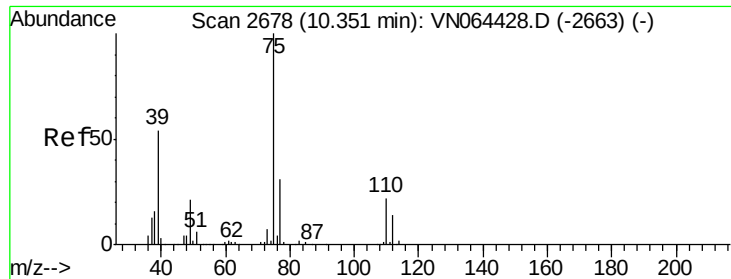
MMDadoda
11/6/2020 8:51:21 AM



#52
Toluene
Concen: 52.060 ug/l
RT: 10.12 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN064452.D
Acq: 5 Nov 2020 10:47

Tgt Ion: 92 Resp: 547978
Ion Ratio Lower Upper
92 100
91 174.2 139.6 209.4





#53

t-1,3-Dichloropropene

Concen: 52.266 ug/l

RT: 10.35 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VN064452.D

Acq: 5 Nov 2020 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 361165

Ion Ratio Lower Upper

75 100

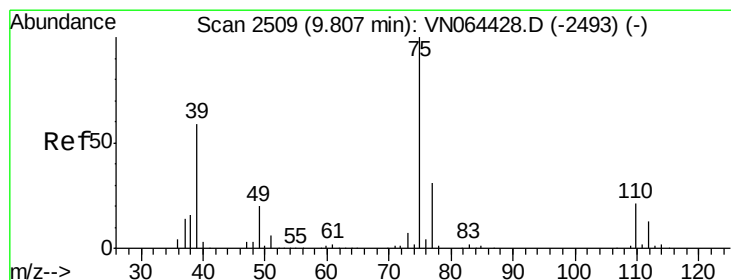
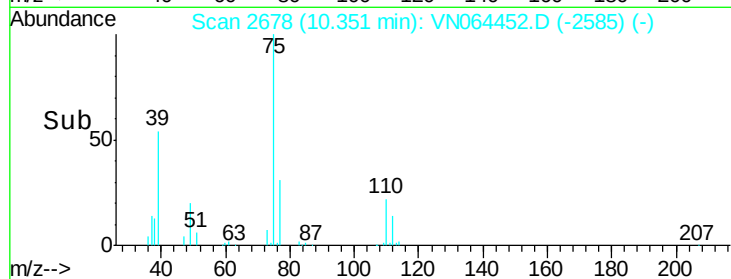
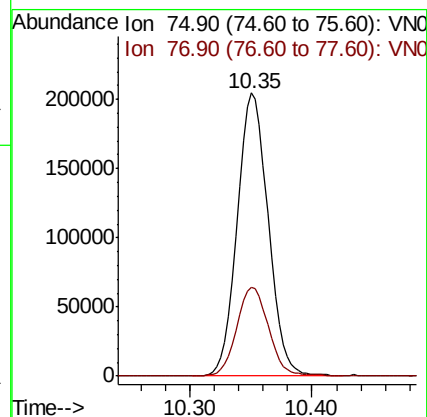
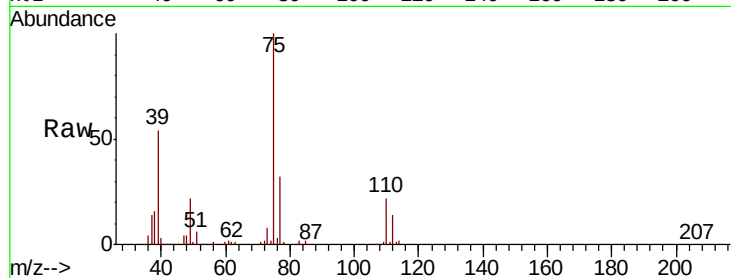
77 31.3 24.8 37.2

Manual Integrations

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11/6/2020 8:51:21 AM



#54

cis-1,3-Dichloropropene

Concen: 51.031 ug/l

RT: 9.81 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN064452.D

Acq: 5 Nov 2020 10:47

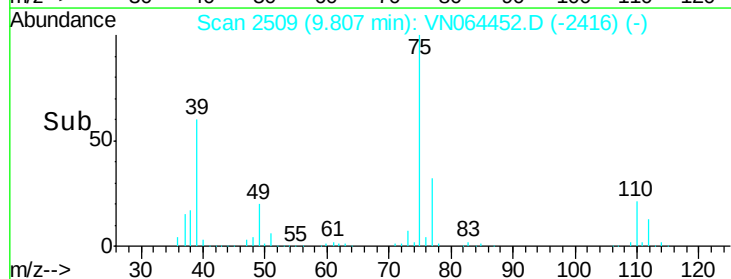
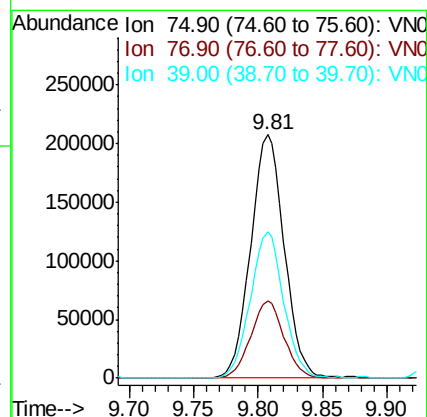
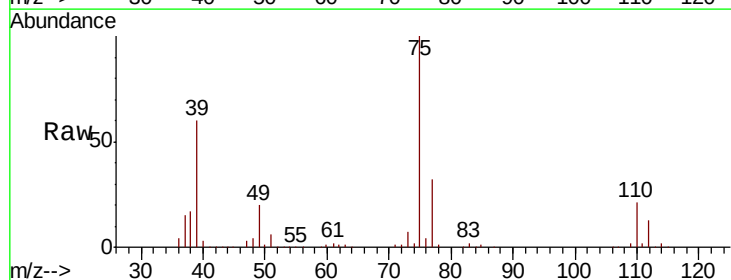
Tgt Ion: 75 Resp: 377022

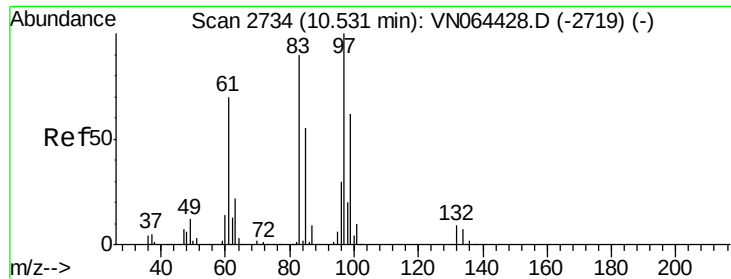
Ion Ratio Lower Upper

75 100

77 31.6 24.9 37.3

39 59.8 47.1 70.7





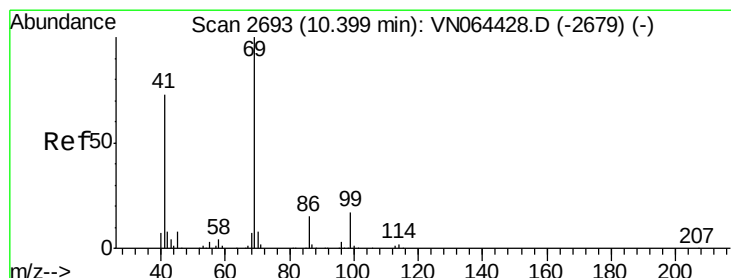
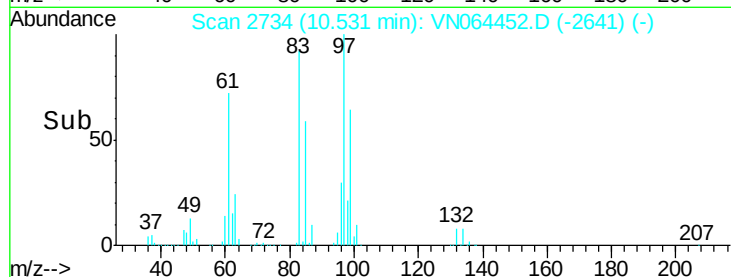
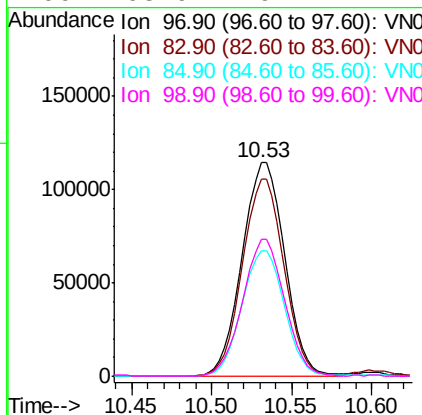
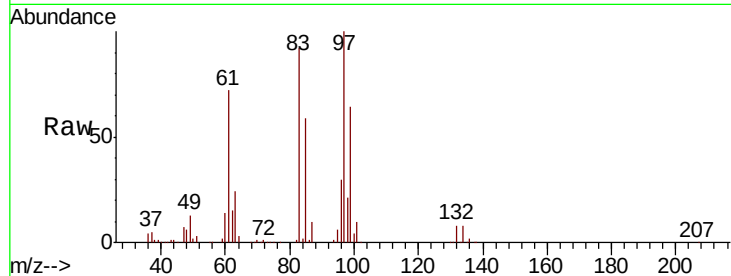
#55
 1,1,2-Trichloroethane
 Concen: 50.832 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN064452.D
 Acq: 5 Nov 2020 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	208668
Ion	Ratio	Lower	Upper
97	100		
83	92.3	71.7	107.5
85	59.0	44.3	66.5
99	63.9	49.4	74.2

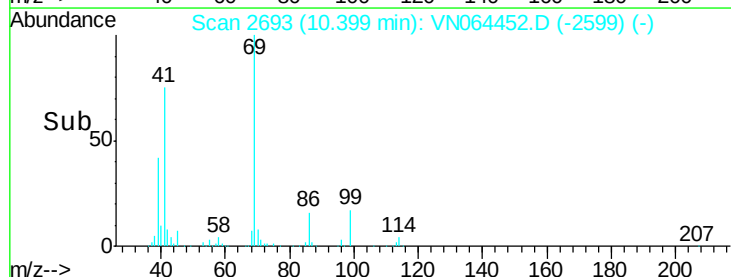
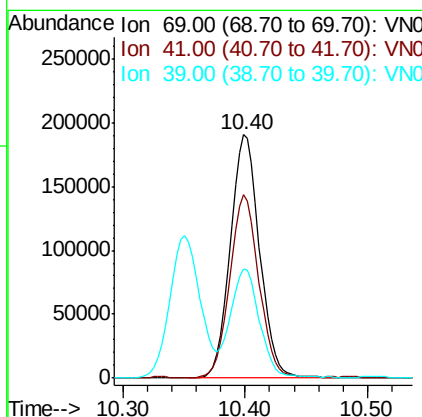
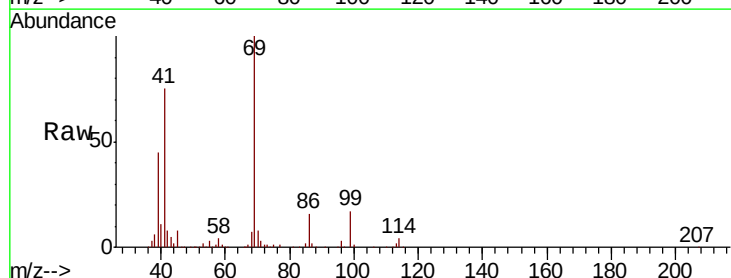
Manual Integrations
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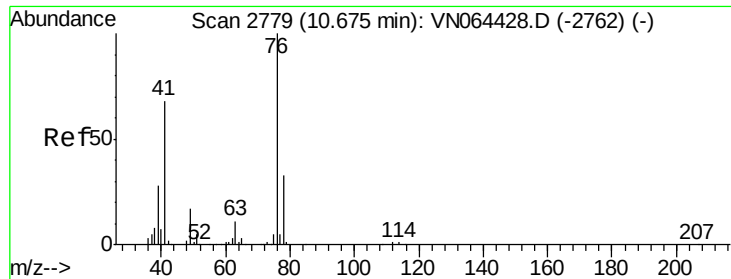
MMDadoda
 11/6/2020 8:51:21 AM



#56
 Ethyl methacrylate
 Concen: 47.359 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN064452.D
 Acq: 5 Nov 2020 10:47

Tgt Ion:	69	Resp:	319180
Ion	Ratio	Lower	Upper
69	100		
41	74.1	59.3	88.9
39	44.9	35.4	53.0





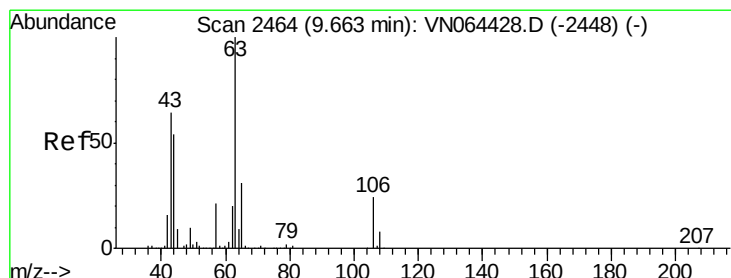
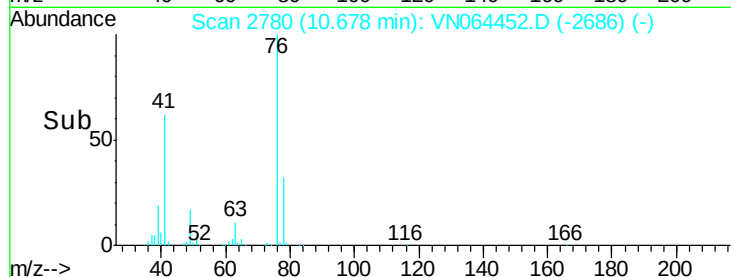
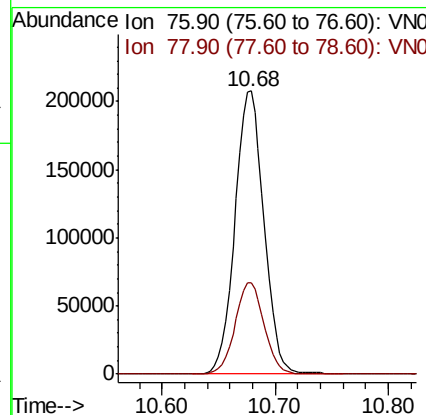
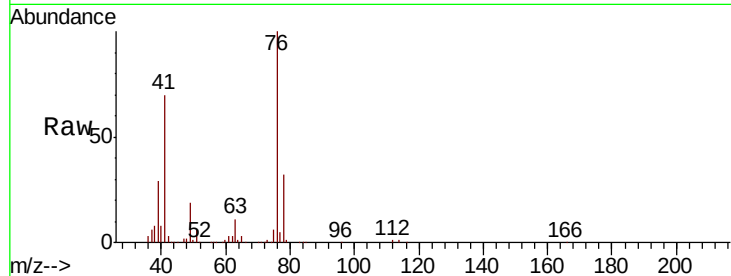
#57
 1,3-Dichloropropane
 Concen: 51.564 ug/l
 RT: 10.68 min Scan# 2780
 Delta R.T. 0.00 min
 Lab File: VN064452.D
 Acq: 5 Nov 2020 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 369470
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.8 38.6

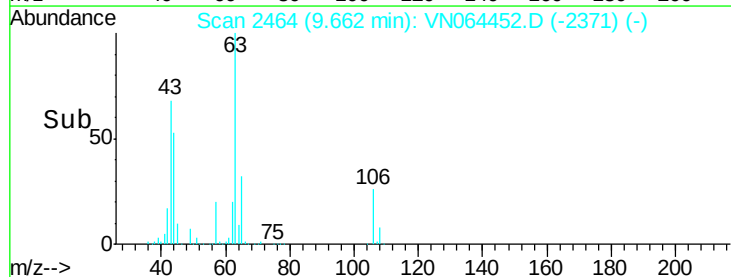
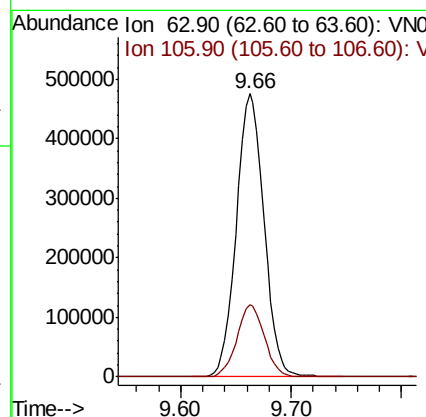
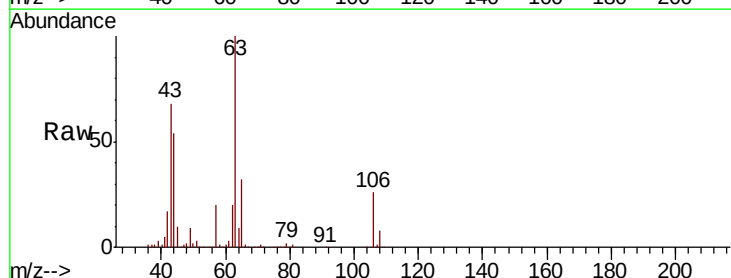
Manual Integrations
 APPROVED

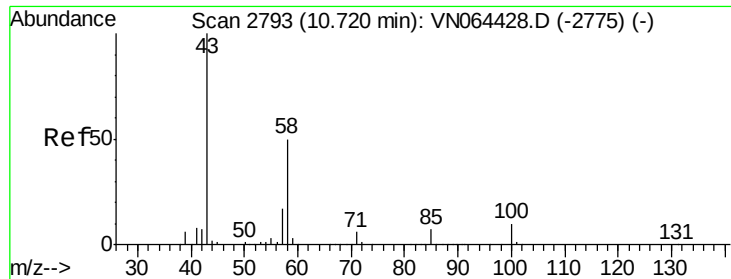
MMDadoda
 11/6/2020 8:51:21 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 258.821 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN064452.D
 Acq: 5 Nov 2020 10:47

Tgt Ion: 63 Resp: 828653
 Ion Ratio Lower Upper
 63 100
 106 25.3 19.5 29.3





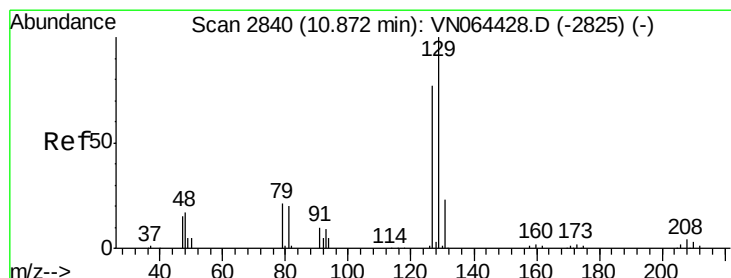
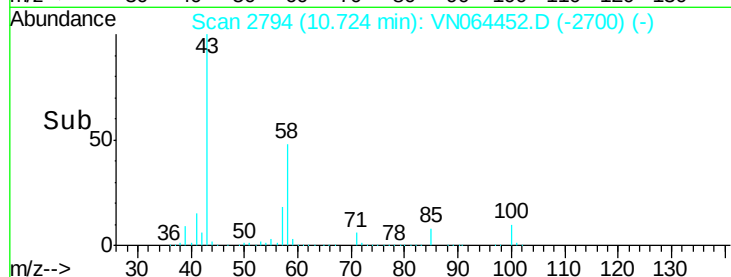
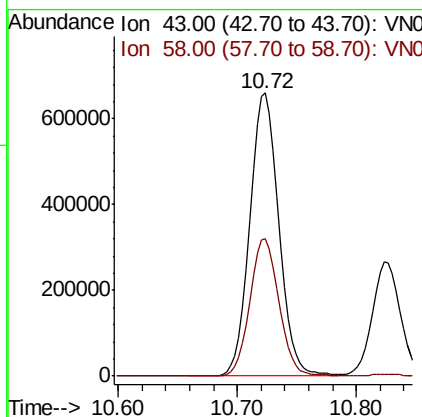
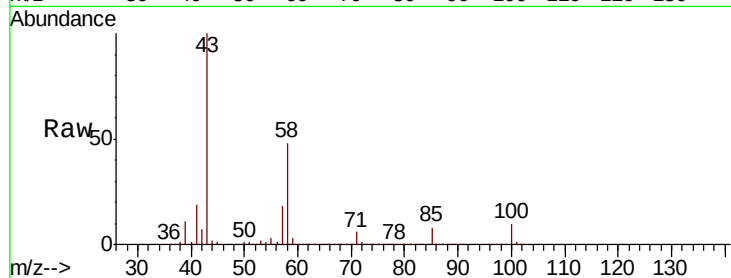
#59
2-Hexanone
Concen: 246.499 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064452.D
Acq: 5 Nov 2020 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1115413
Ion Ratio Lower Upper
43 100
58 48.9 24.7 74.1

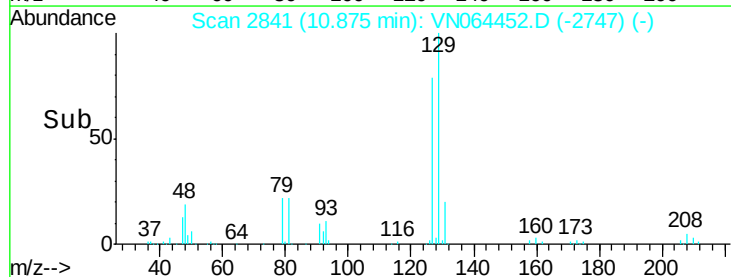
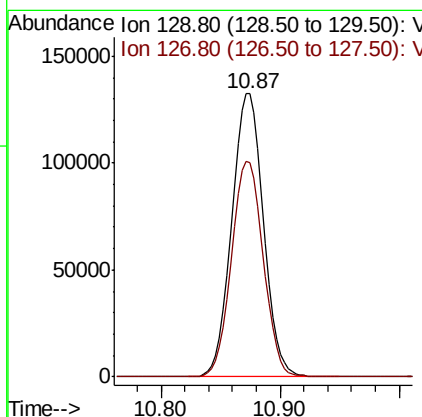
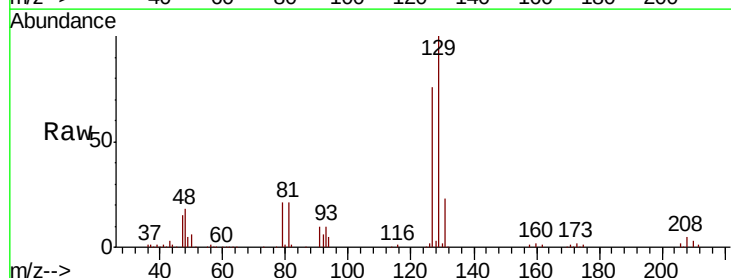
Manual Integrations
APPROVED

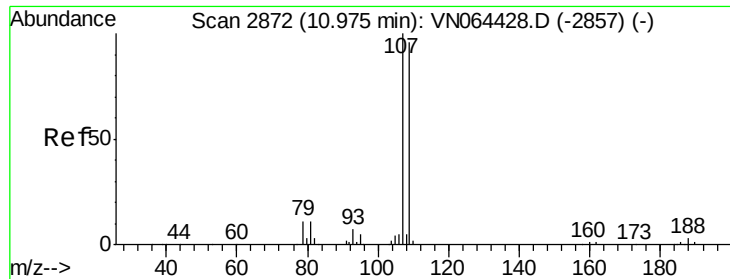
MMDadoda
11/6/2020 8:51:21 AM



#60
Dibromochloromethane
Concen: 53.268 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN064452.D
Acq: 5 Nov 2020 10:47

Tgt Ion: 129 Resp: 244823
Ion Ratio Lower Upper
129 100
127 76.2 38.9 116.7





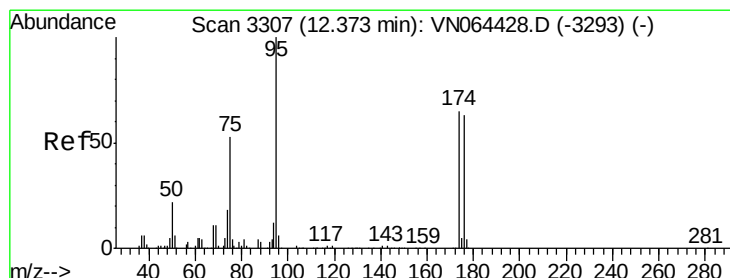
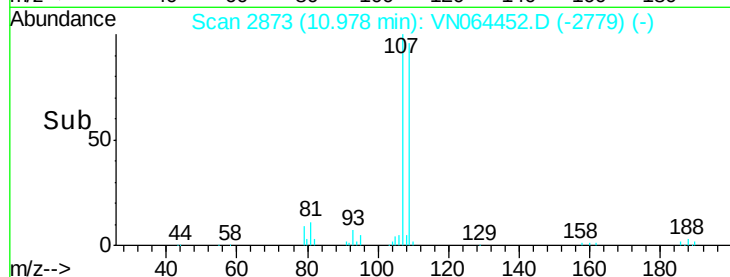
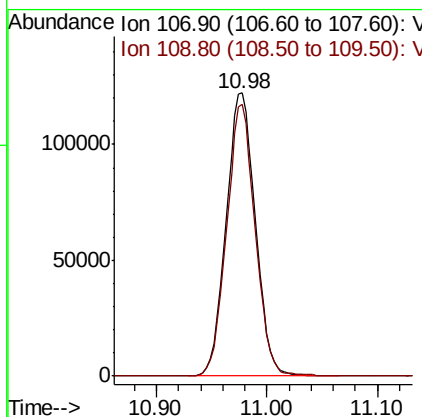
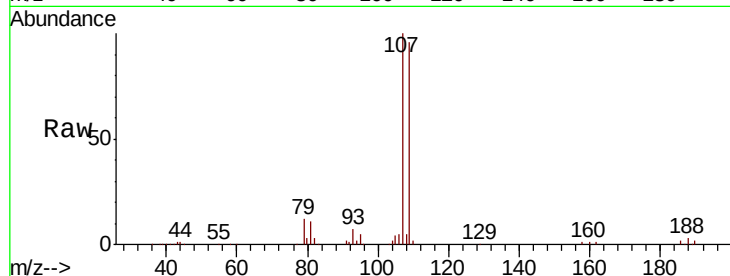
#61
 1,2-Dibromoethane
 Concen: 53.872 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN064452.D
 Acq: 5 Nov 2020 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.8	75.9	113.9

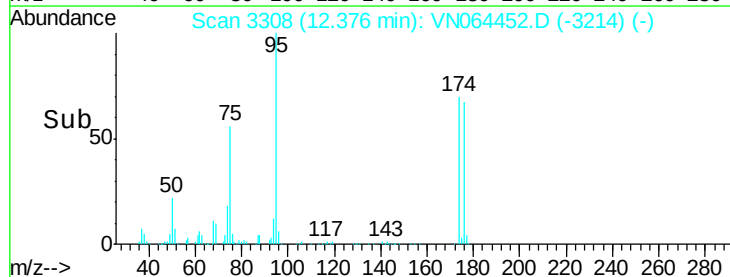
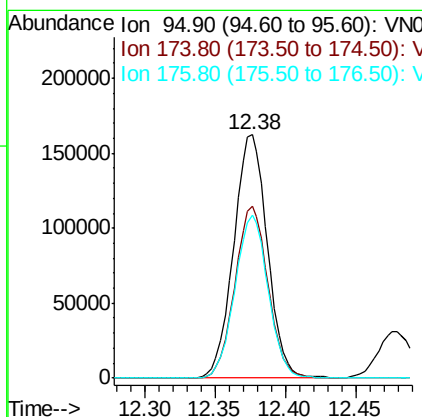
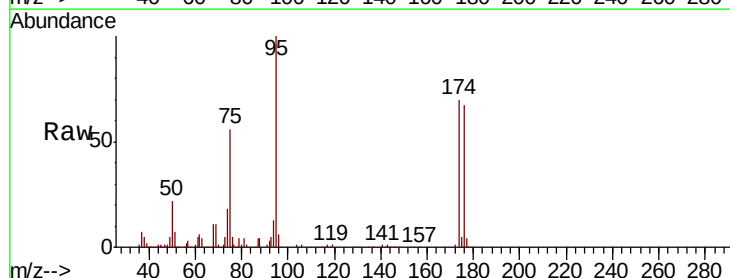
Manual Integrations
 APPROVED

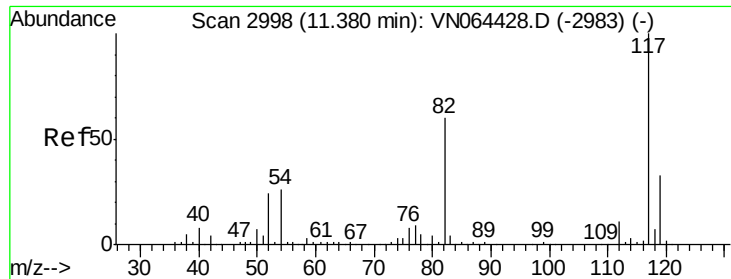
MMDadoda
 11/6/2020 8:51:21 AM



#62
 4-Bromofluorobenzene
 Concen: 49.158 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: VN064452.D
 Acq: 5 Nov 2020 10:47

Tgt Ion	Ratio	Lower	Upper
95	100		
174	69.4	0.0	132.6
176	66.0	0.0	129.2





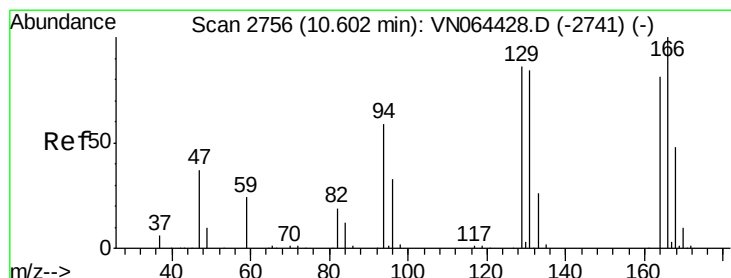
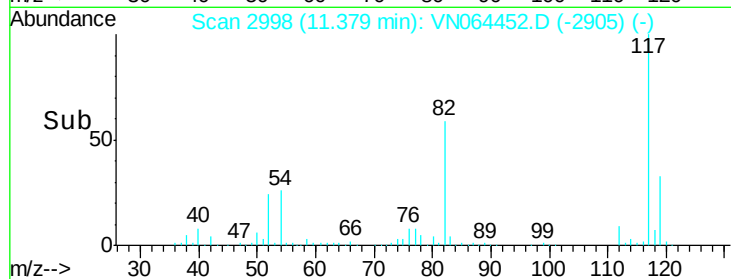
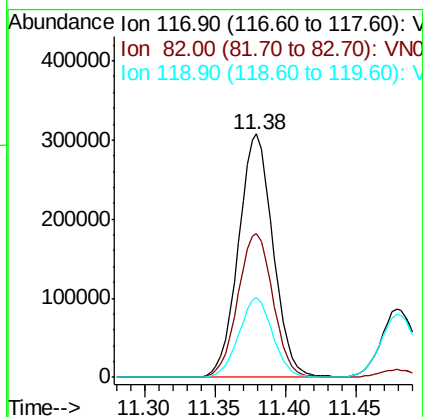
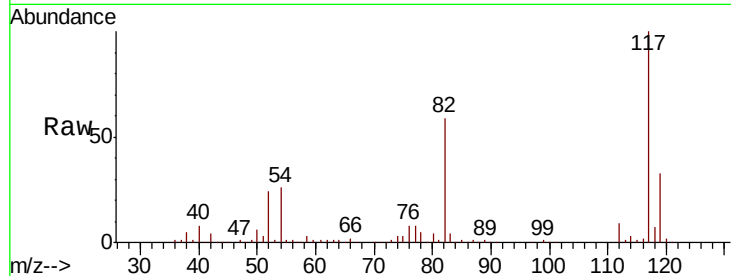
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064452.D
Acq: 5 Nov 2020 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.1	48.1	72.1
119	32.6	26.2	39.4

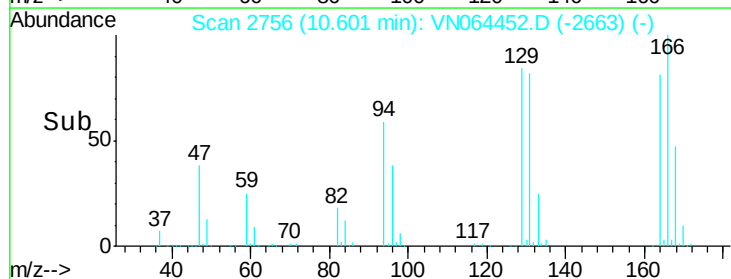
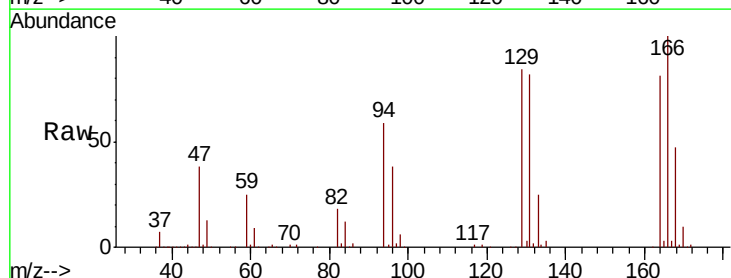
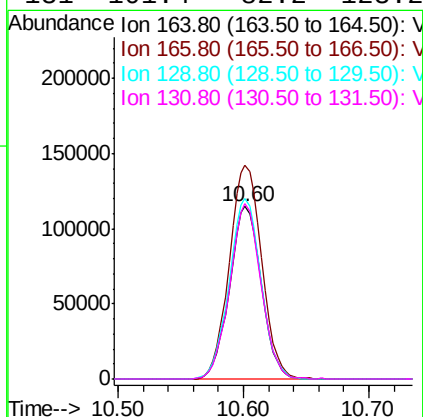
Manual Integrations
APPROVED

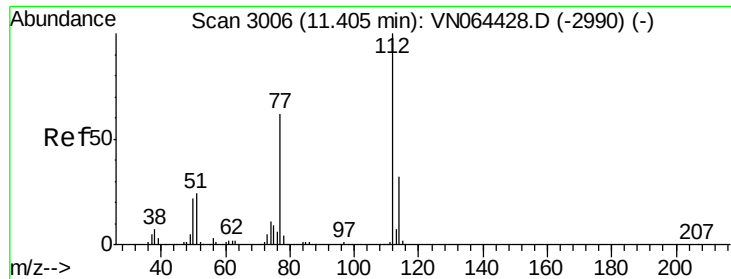
MMDadoda
11/6/2020 8:51:21 AM



#64
Tetrachloroethene
Concen: 49.402 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN064452.D
Acq: 5 Nov 2020 10:47

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.9	98.2	147.2
129	104.6	84.6	127.0
131	101.4	82.2	123.2





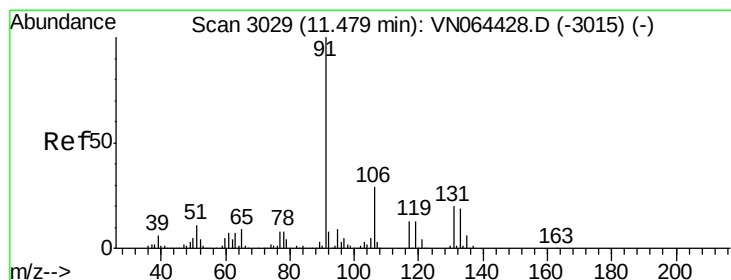
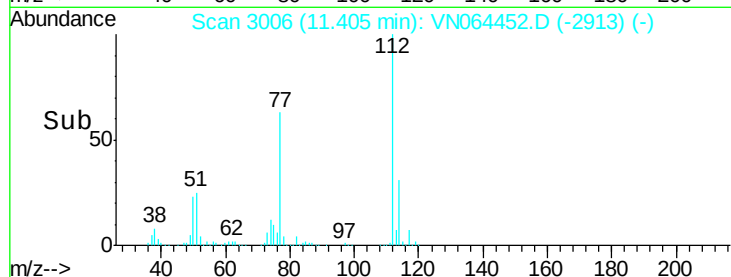
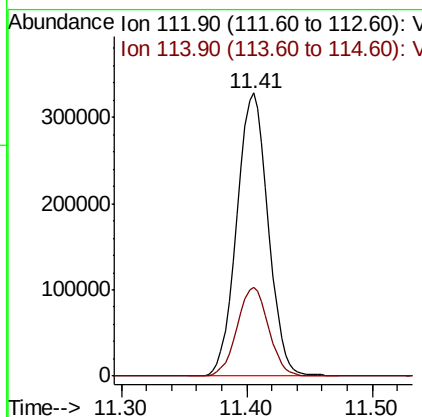
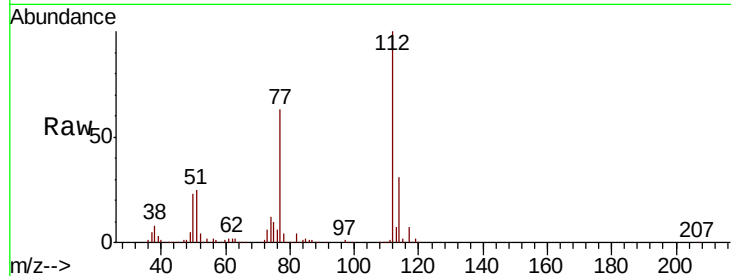
#65
Chlorobenzene
Concen: 49.380 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN064452.D
Acq: 5 Nov 2020 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.4	25.6	38.4

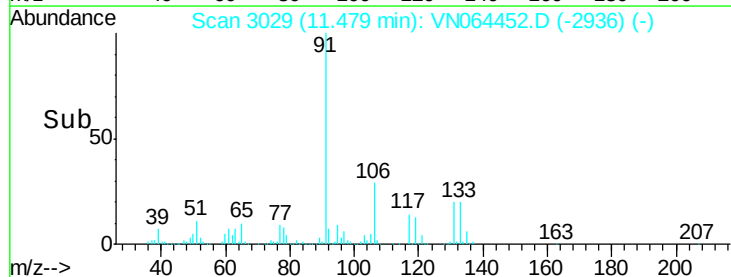
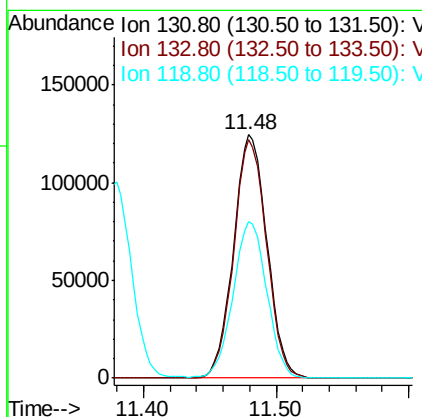
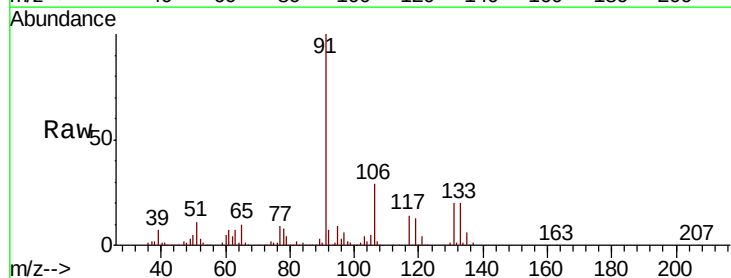
Manual Integrations
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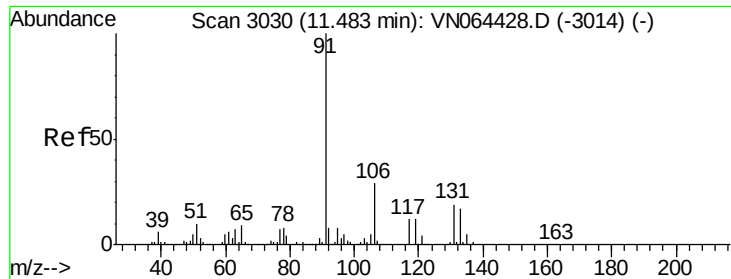
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.601 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN064452.D
Acq: 5 Nov 2020 10:47

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.9	46.9	140.7
119	64.2	32.1	96.5





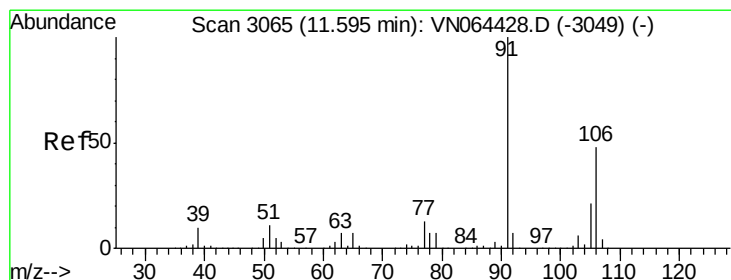
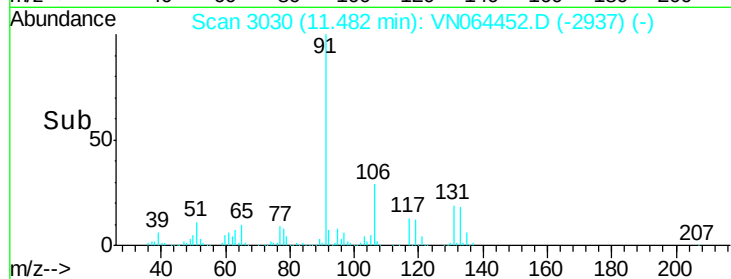
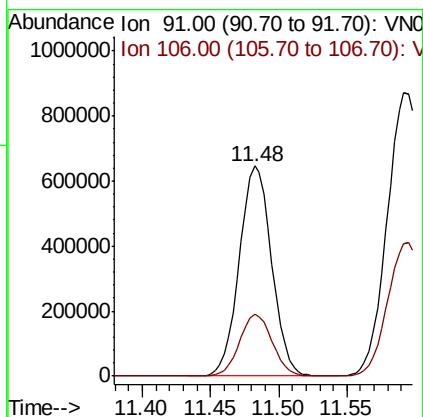
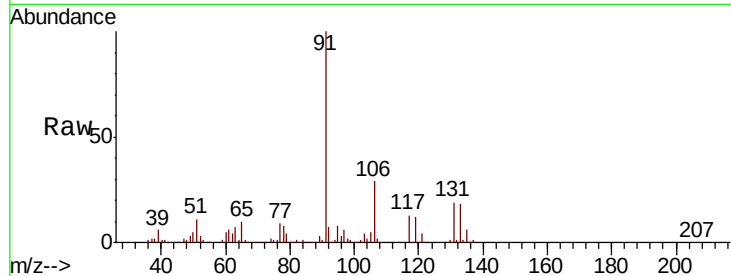
#67
Ethyl Benzene
Concen: 51.844 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: VN064452.D
Acq: 5 Nov 2020 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1066562
Ion Ratio Lower Upper
91 100
106 29.3 23.6 35.4

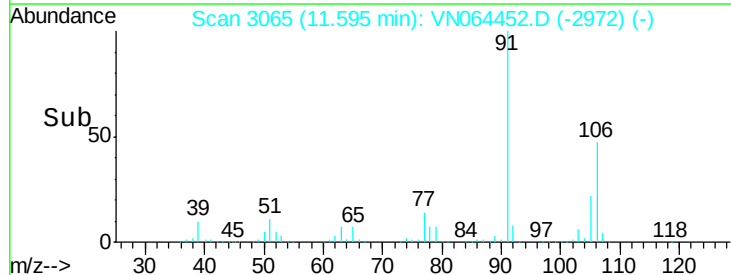
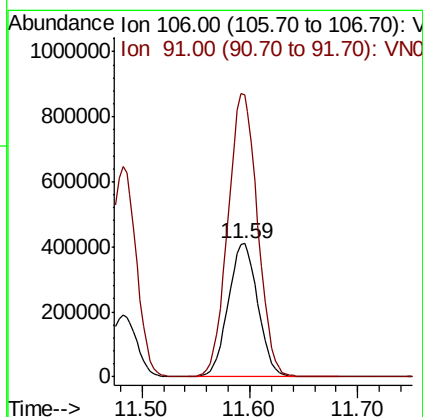
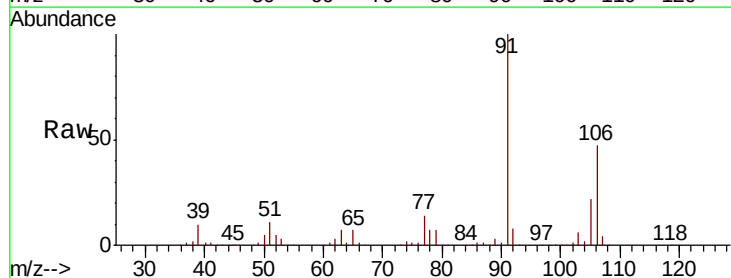
Manual Integrations
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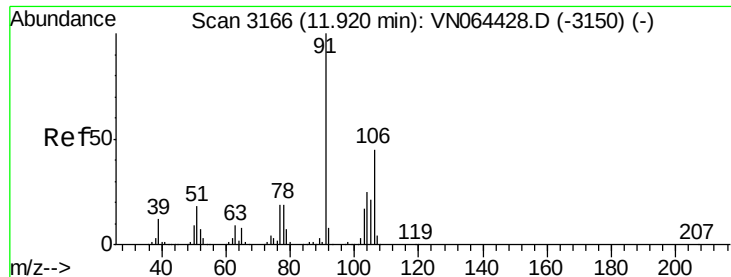
MMDadoda
11/6/2020 8:51:21 AM



#68
m/p-Xylenes
Concen: 105.025 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. -0.00 min
Lab File: VN064452.D
Acq: 5 Nov 2020 10:47

Tgt Ion: 106 Resp: 783581
Ion Ratio Lower Upper
106 100
91 213.2 169.4 254.2





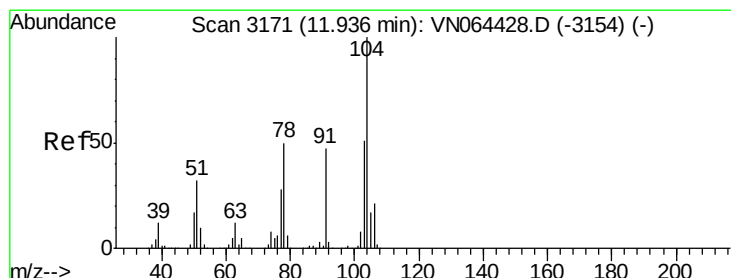
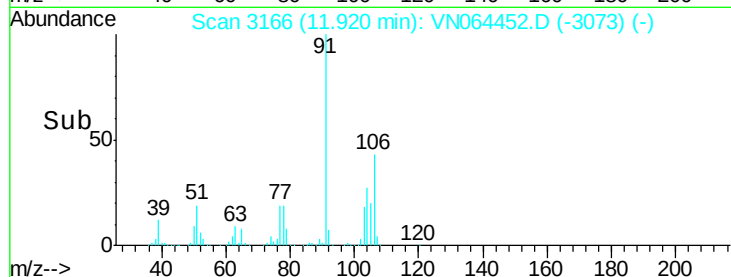
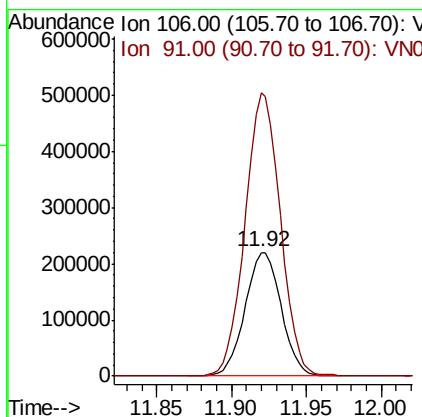
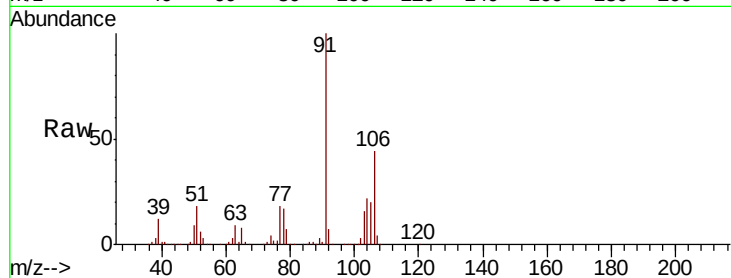
#69
o-Xylene
Concen: 51.345 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN064452.D
Acq: 5 Nov 2020 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	224.6	111.7	334.9

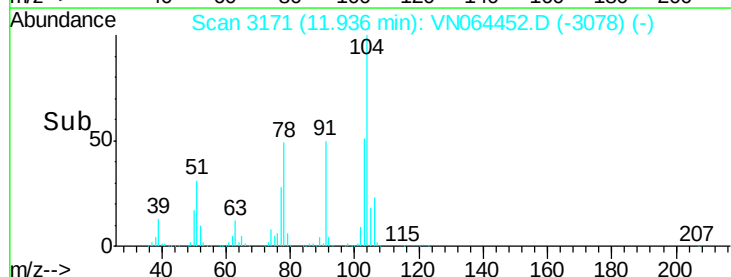
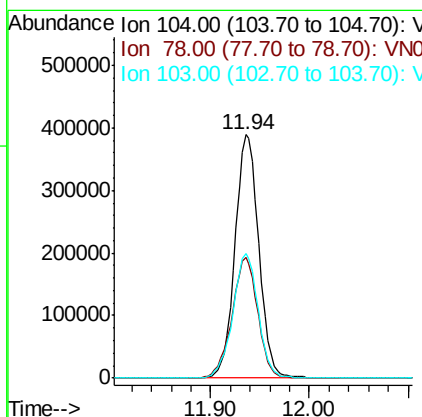
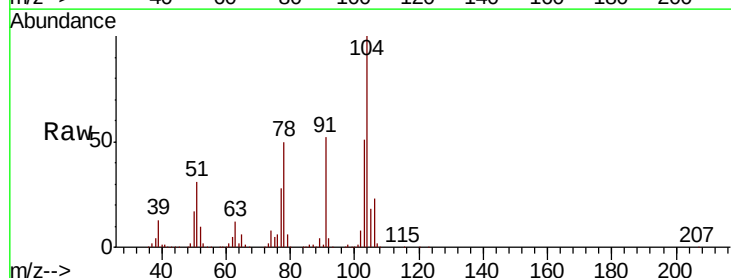
Manual Integrations
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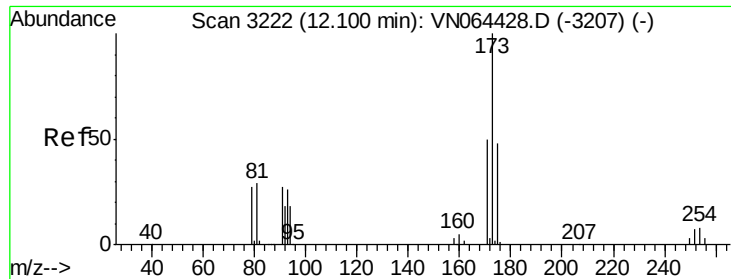
MMDadoda
11/6/2020 8:51:21 AM



#70
Styrene
Concen: 53.783 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064452.D
Acq: 5 Nov 2020 10:47

Tgt Ion	Ratio	Lower	Upper
104	100		
78	53.7	44.0	66.0
103	54.7	43.8	65.6





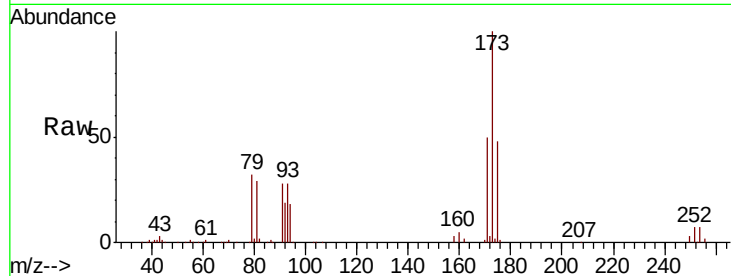
#71
Bromoform
Concen: 48.407 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN064452.D
Acq: 5 Nov 2020 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.1	23.7	71.1
254	0.0	0.0	0.0

Manual Integrations
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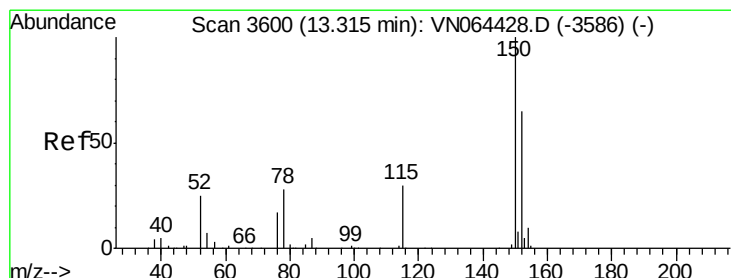
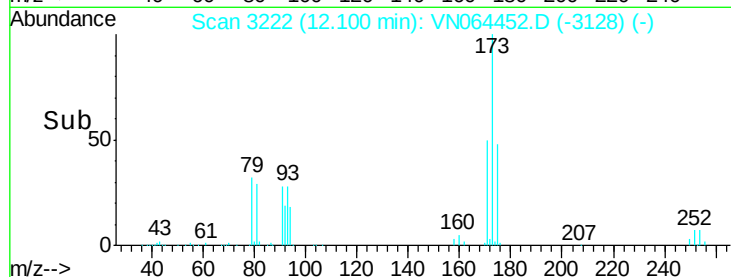
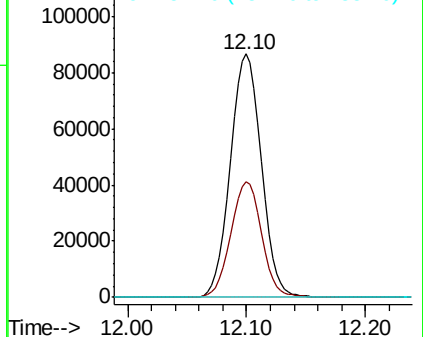


Abundance

Ion 172.70 (172.40 to 173.40): V

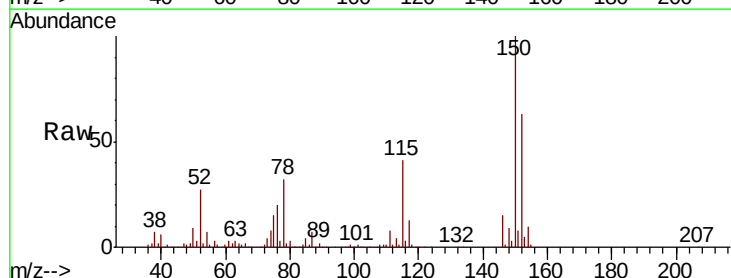
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3600
Delta R.T. -0.00 min
Lab File: VN064452.D
Acq: 5 Nov 2020 10:47

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.3	32.0	96.0
150	173.6	0.0	353.8

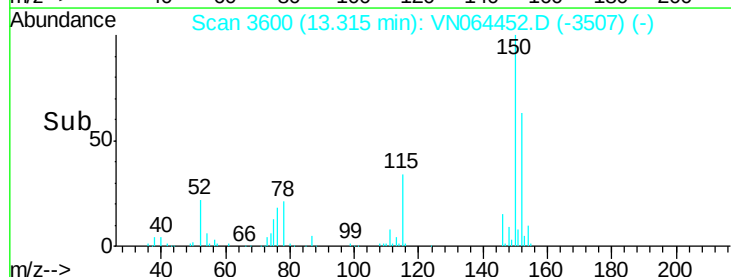
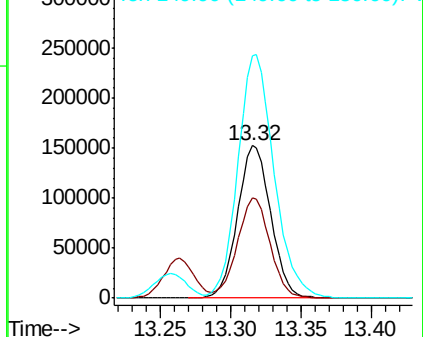


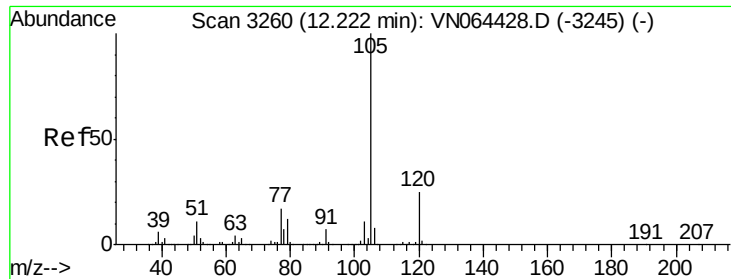
Abundance

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





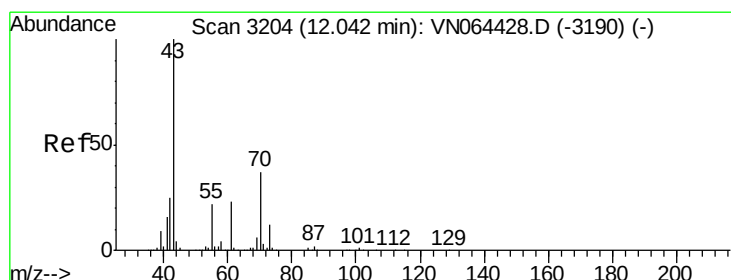
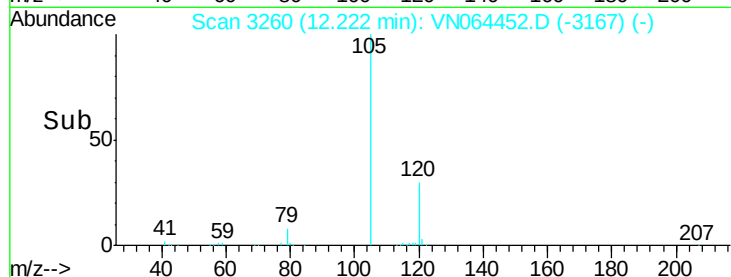
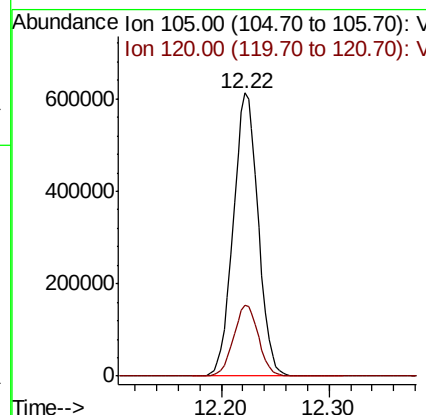
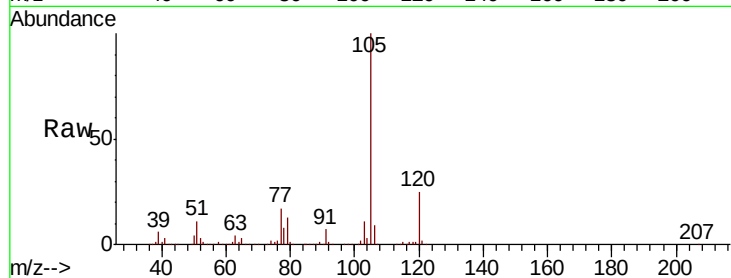
#73
Isopropylbenzene
Concen: 49.186 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. -0.00 min
Lab File: VN064452.D
Acq: 5 Nov 2020 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.1	12.8	38.3

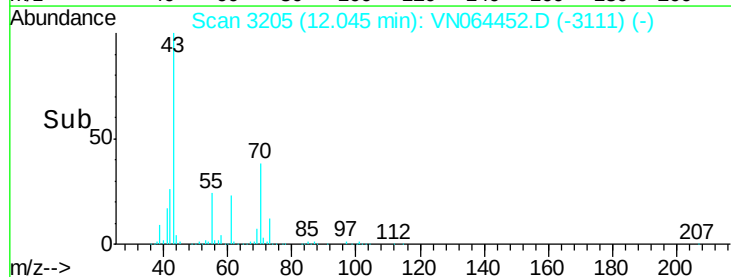
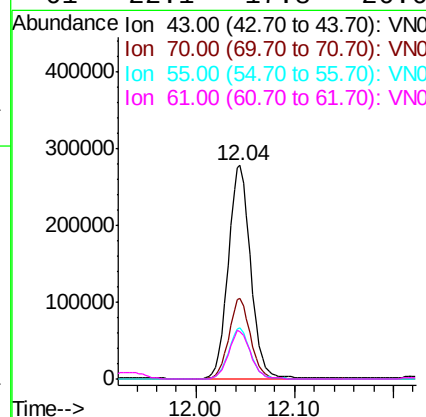
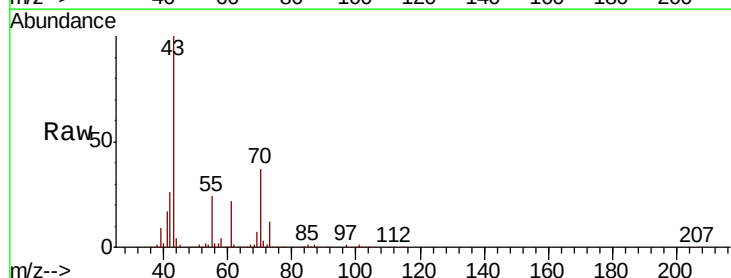
Manual Integrations
APPROVED

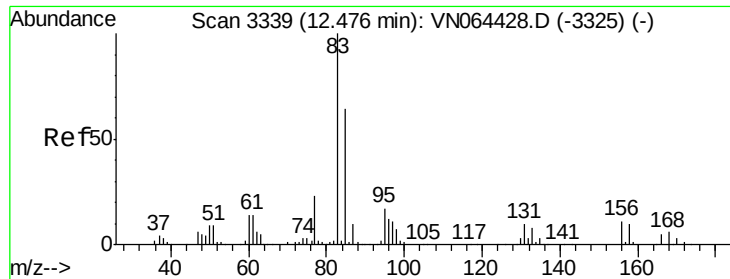
MMDadoda
11/6/2020 8:51:21 AM



#74
N-ethyl acetate
Concen: 45.853 ug/l
RT: 12.04 min Scan# 3205
Delta R.T. 0.00 min
Lab File: VN064452.D
Acq: 5 Nov 2020 10:47

Tgt Ion	Ratio	Lower	Upper
43	100		
70	36.5	29.6	44.4
55	23.4	18.4	27.6
61	22.1	17.8	26.6





#75

1,1,2,2-Tetrachloroethane

Concen: 47.418 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN064452.D

Acq: 5 Nov 2020 10:47

Instrument :

MSVOA_N

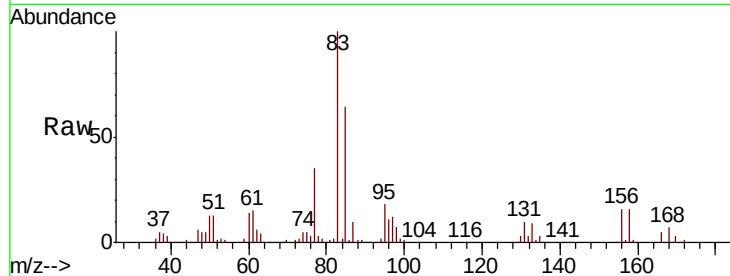
ClientSampled :

VSTDCCC050

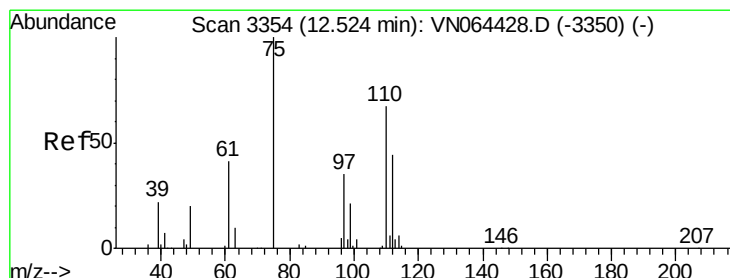
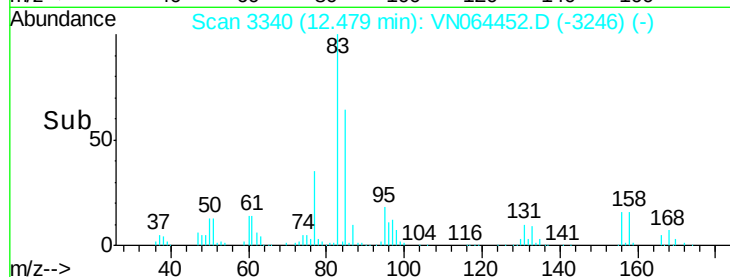
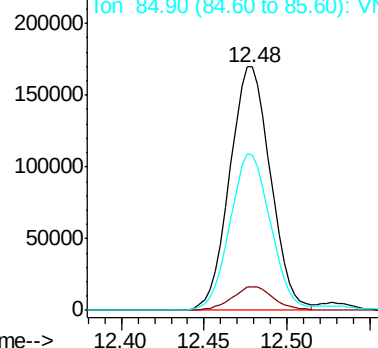
Tot Ion:	83	Resp:	291727
Ion Ratio	Lower	Upper	
83	100		
131	9.9	4.9	14.7
85	64.1	32.1	96.5

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN064452.D (-3246) (-)



#76

1,2,3-Trichloropropane

Concen: 46.445 ug/l m

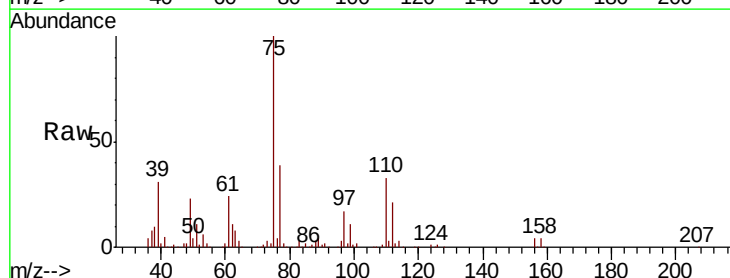
RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

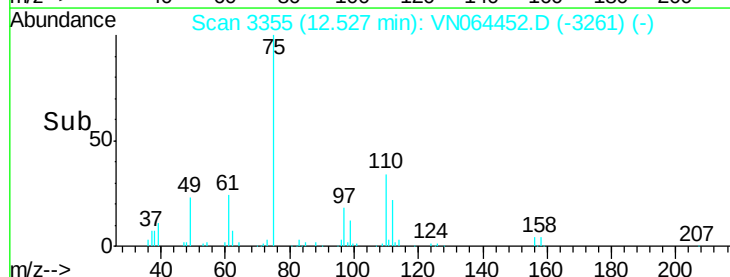
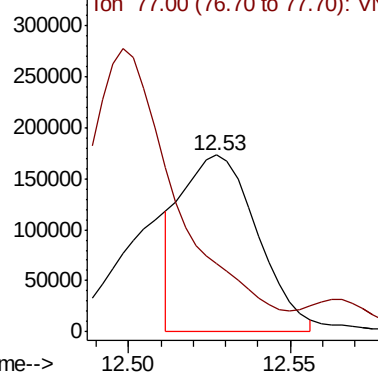
Lab File: VN064452.D

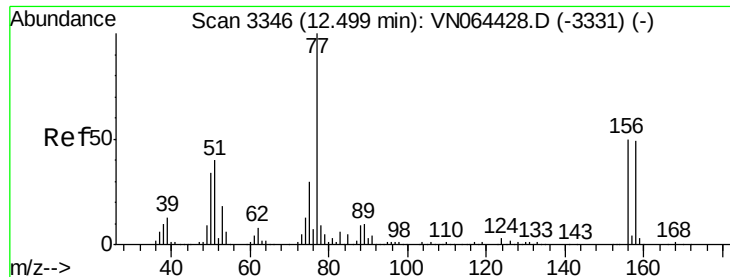
Acq: 5 Nov 2020 10:47

Tgt Ion:	75	Resp:	283583
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN064452.D (-3261) (-)





#77

Bromobenzene

Concen: 47.124 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. -0.00 min

Lab File: VN064452.D

Acq: 5 Nov 2020 10:47

Instrument :

MSVOA_N

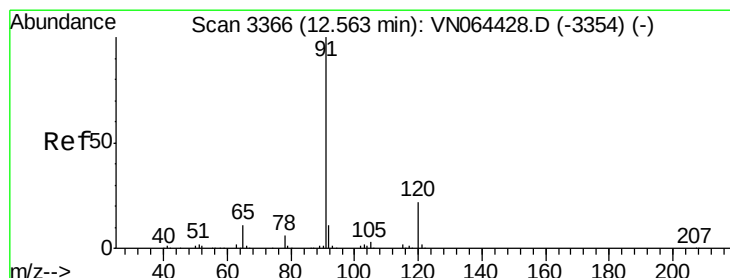
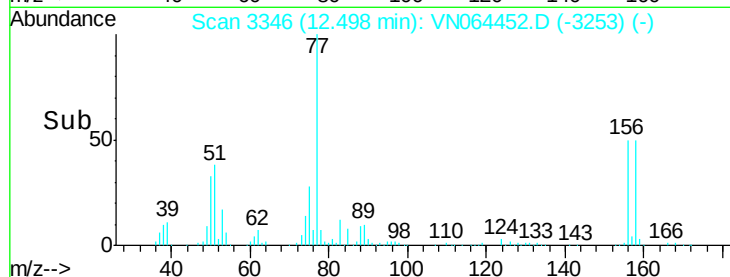
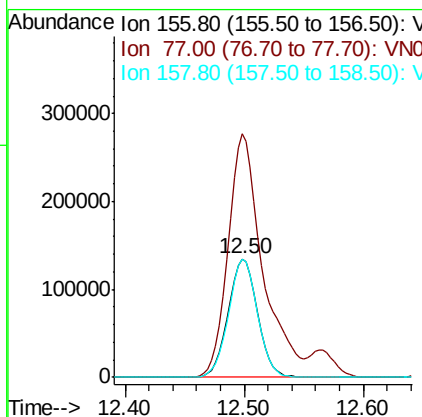
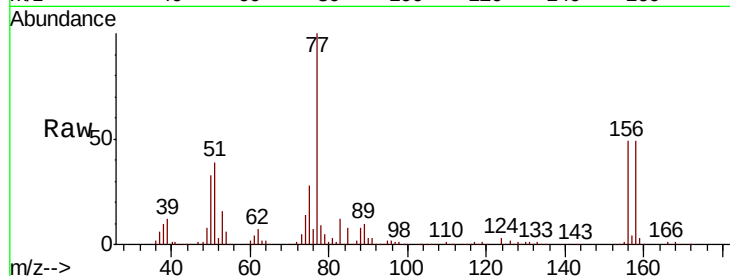
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	230445
Ion Ratio	Lower	Upper	
156	100		
77	241.1	119.0	357.0
158	98.3	48.4	145.3

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#78

n-propylbenzene

Concen: 49.636 ug/l

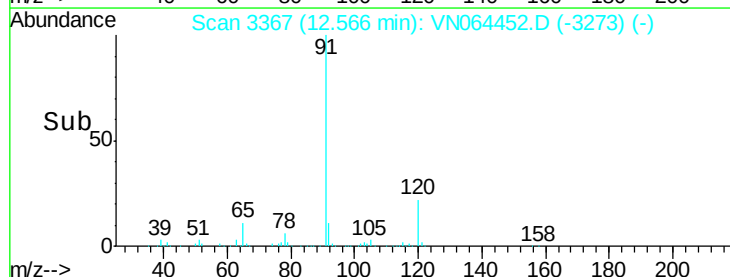
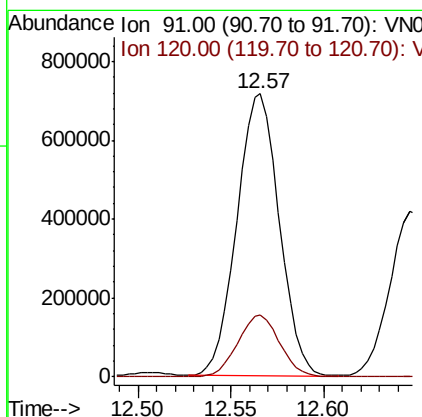
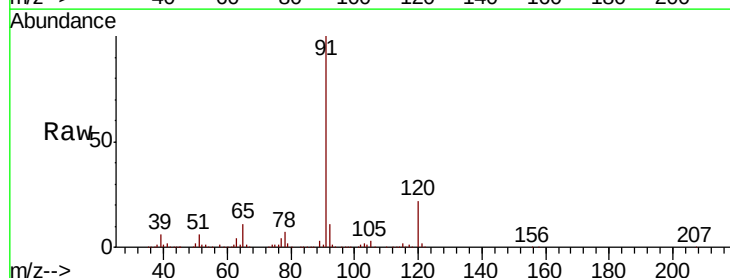
RT: 12.57 min Scan# 3367

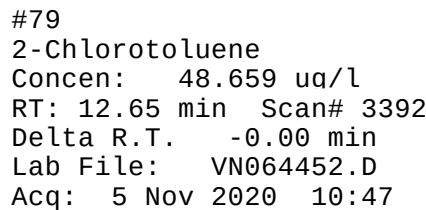
Delta R.T. 0.00 min

Lab File: VN064452.D

Acq: 5 Nov 2020 10:47

Tgt Ion:	91	Resp:	1133470
Ion Ratio	Lower	Upper	
91	100		
120	21.7	11.0	33.0



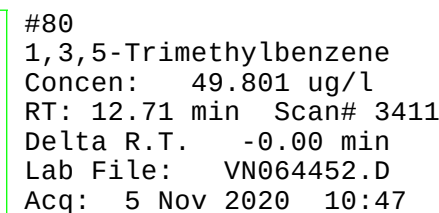
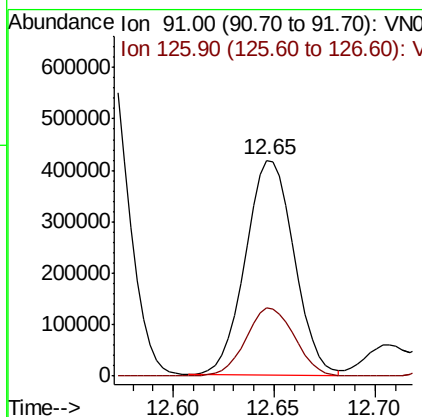


Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

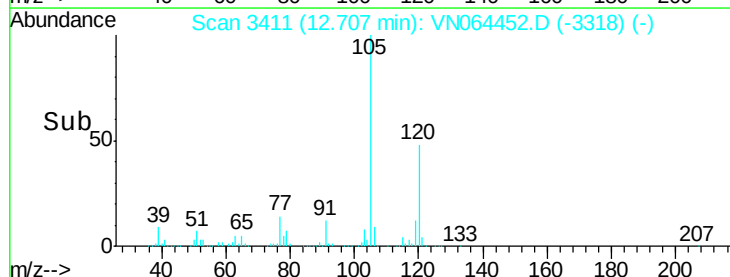
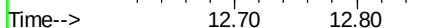
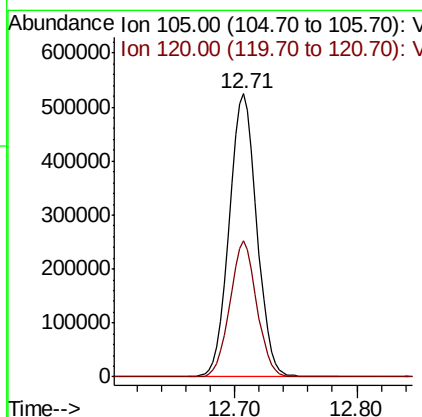
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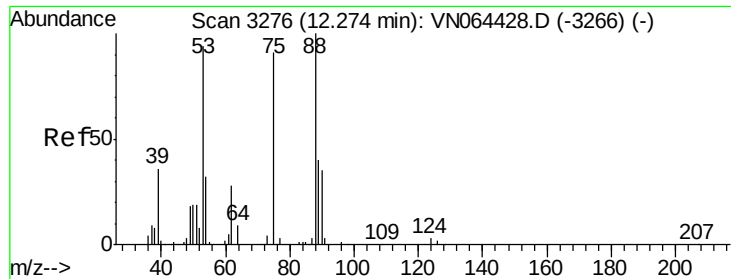
MMDadoda
11/6/2020 8:51:21 AM

Tot	Ion: 91	Resp:	704741
Ion	Ratio	Lower	Upper
91	100		
126	32.0	16.4	49.1



Tgt	Ion:105	Resp:	822907
Ion	Ratio	Lower	Upper
105	100		
120	46.8	23.4	70.2





#81

trans-1,4-Dichloro-2-butene

Concen: 47.024 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. -0.00 min

Lab File: VN064452.D

Acq: 5 Nov 2020 10:47

Instrument :

MSVOA_N

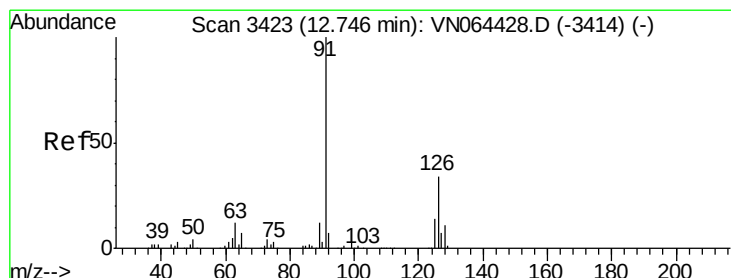
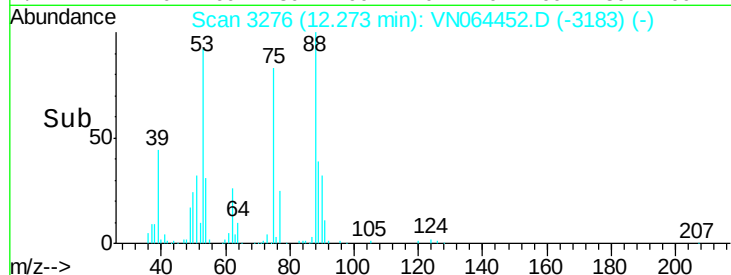
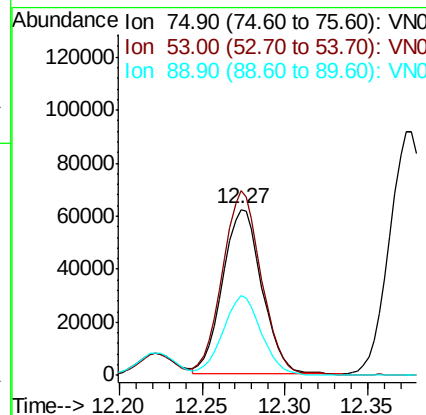
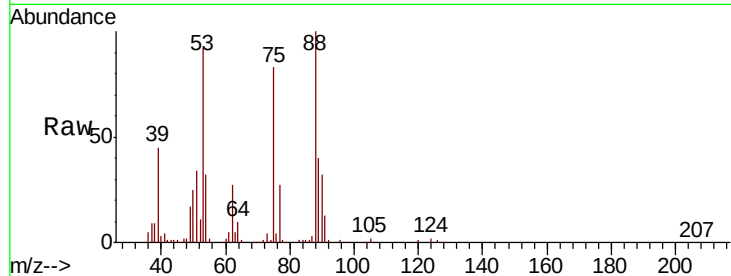
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	102831
Ion	Ratio	Lower	Upper
75	100		
53	111.2	84.0	126.0
89	47.4	36.3	54.5

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11/6/2020 8:51:21 AM



#82

4-Chlorotoluene

Concen: 50.057 ug/l

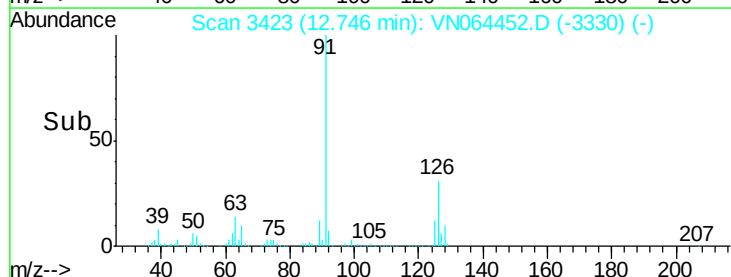
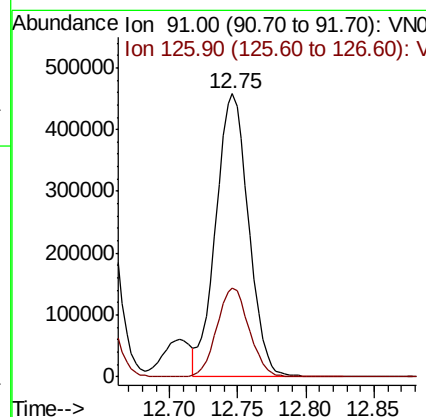
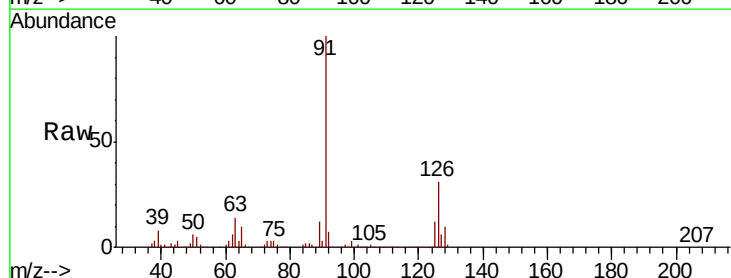
RT: 12.75 min Scan# 3423

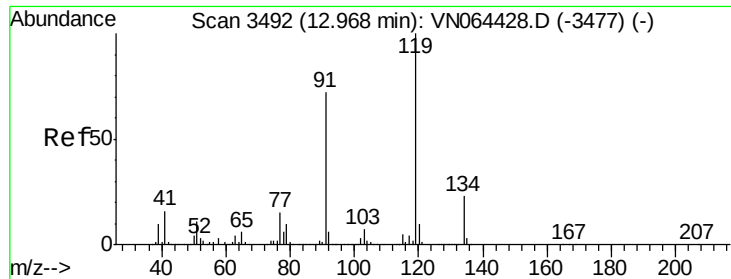
Delta R.T. -0.00 min

Lab File: VN064452.D

Acq: 5 Nov 2020 10:47

Tgt Ion:	91	Resp:	759247
Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.4	46.2





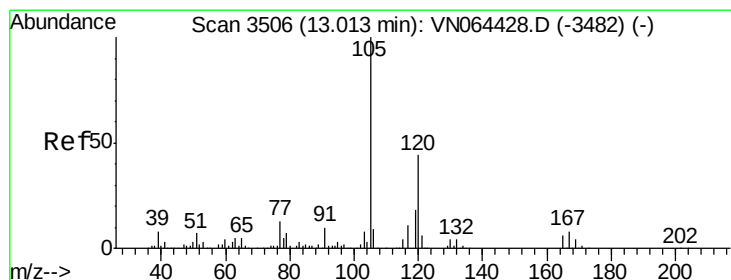
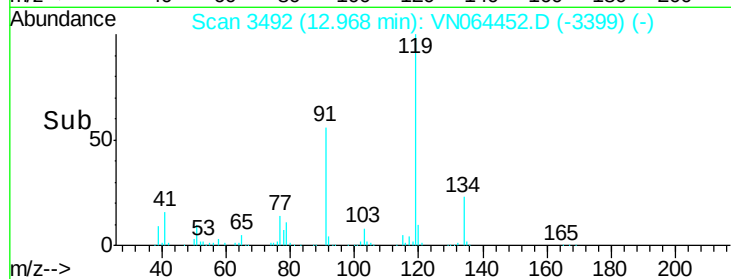
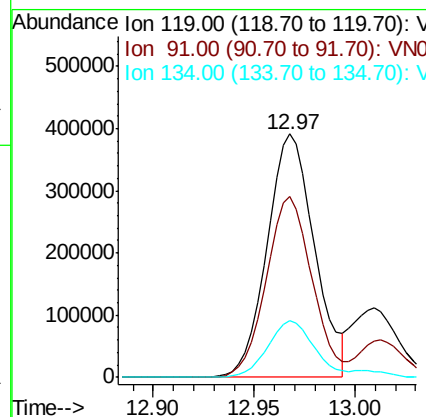
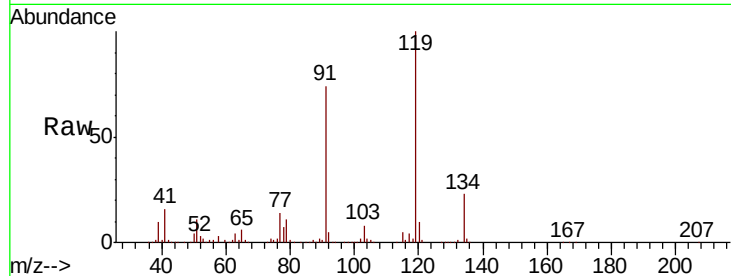
#83
 tert-Butylbenzene
 Concen: 49.497 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. -0.00 min
 Lab File: VN064452.D
 Acq: 5 Nov 2020 10:47

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	71.4	36.1	108.3
134	22.8	11.7	35.1

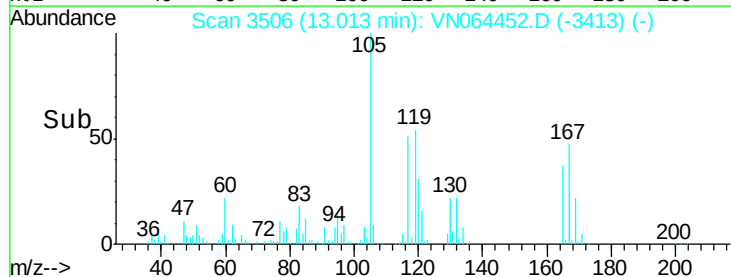
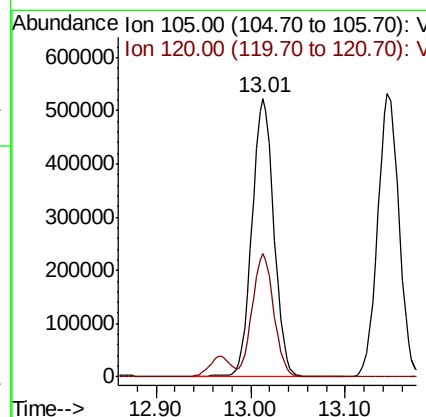
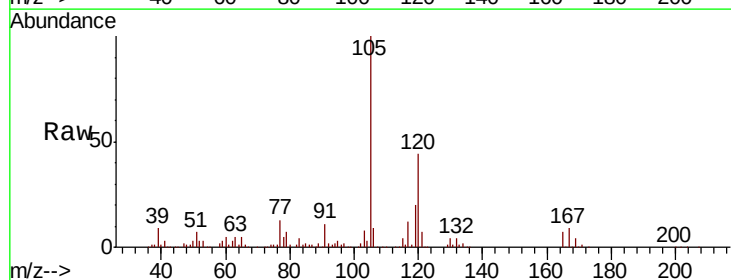
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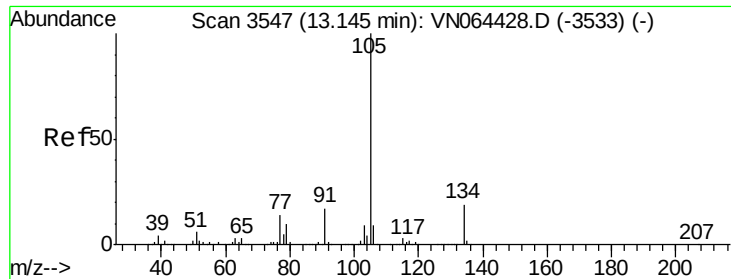
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.612 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. -0.00 min
 Lab File: VN064452.D
 Acq: 5 Nov 2020 10:47

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.5	21.9	65.7





#85

sec-Butylbenzene

Concen: 50.748 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064452.D

Acq: 5 Nov 2020 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 829452

Ion Ratio Lower Upper

105 100

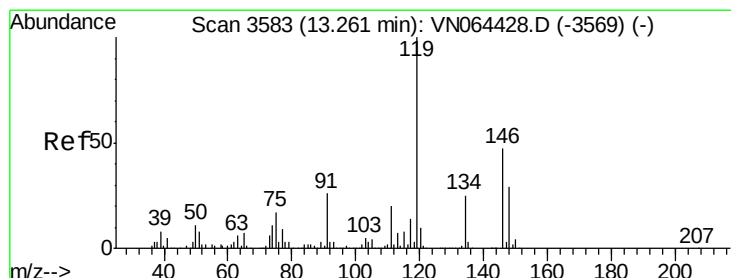
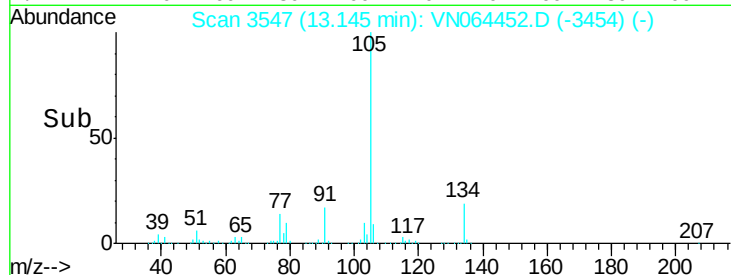
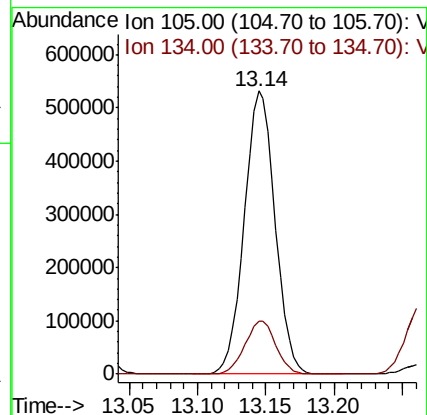
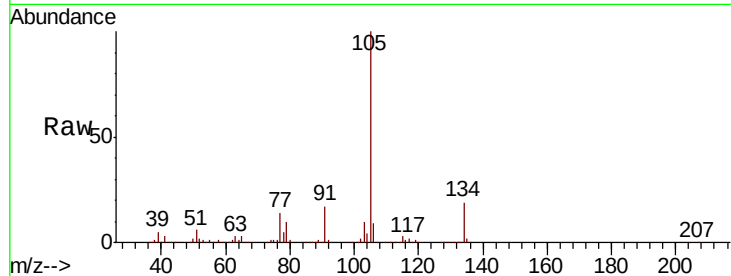
134 18.9 9.4 28.2

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#86

p-Isopropyltoluene

Concen: 51.950 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN064452.D

Acq: 5 Nov 2020 10:47

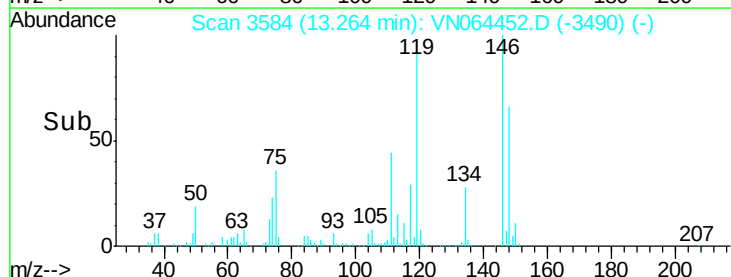
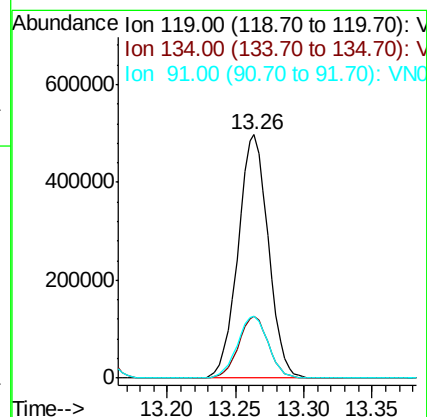
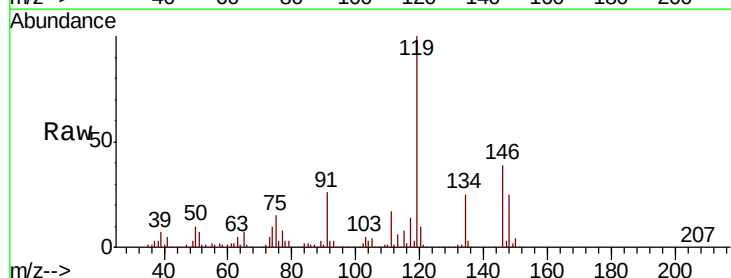
Tgt Ion:119 Resp: 763740

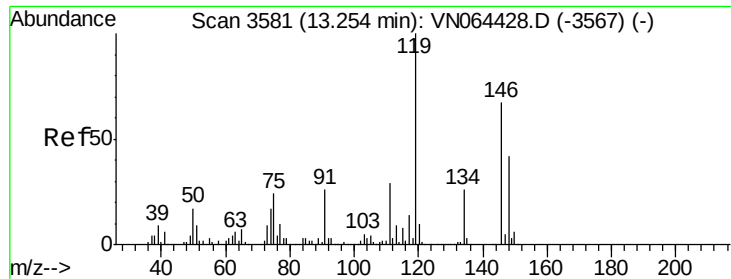
Ion Ratio Lower Upper

119 100

134 25.0 12.6 37.6

91 25.7 12.8 38.3





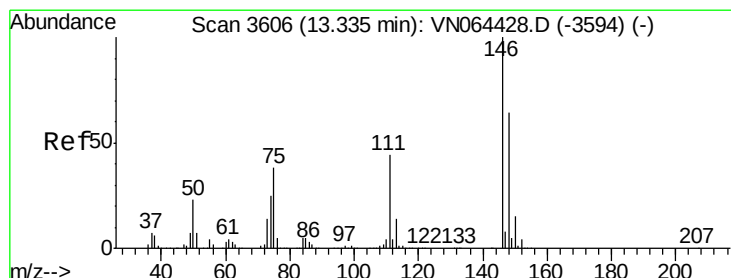
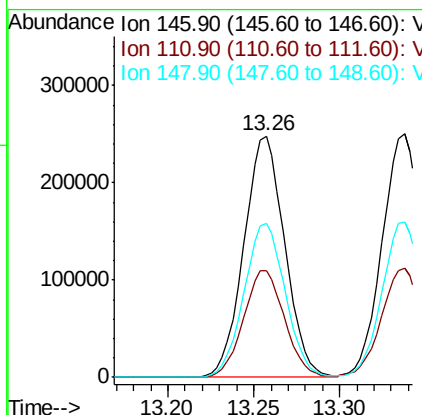
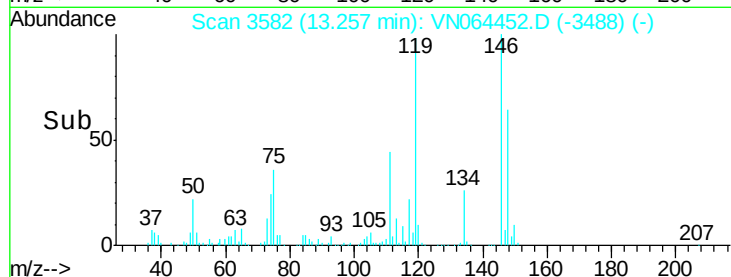
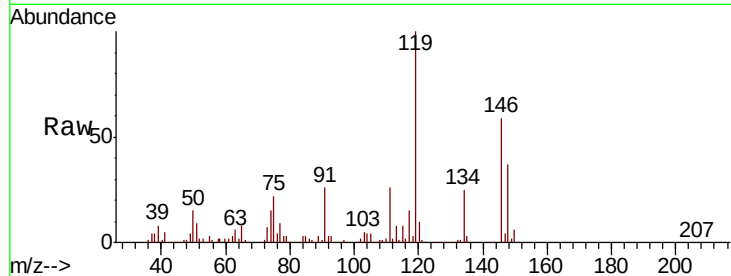
#87
 1,3-Dichlorobenzene
 Concen: 48.411 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN064452.D
 Acq: 5 Nov 2020 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 409236
 Ion Ratio Lower Upper
 146 100
 111 44.4 22.1 66.1
 148 64.3 31.7 95.1

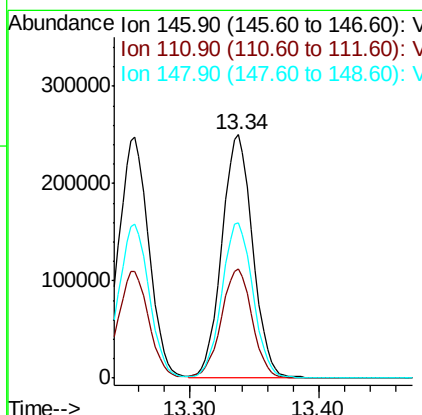
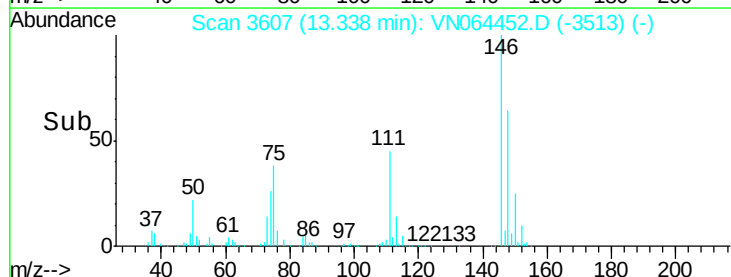
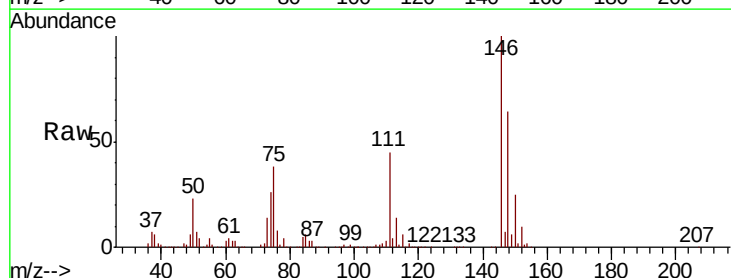
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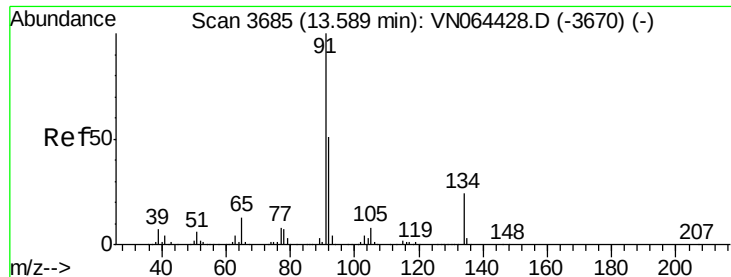
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#88
 1,4-Dichlorobenzene
 Concen: 47.379 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN064452.D
 Acq: 5 Nov 2020 10:47

Tgt Ion:146 Resp: 413893
 Ion Ratio Lower Upper
 146 100
 111 44.7 21.8 65.3
 148 64.6 32.4 97.2





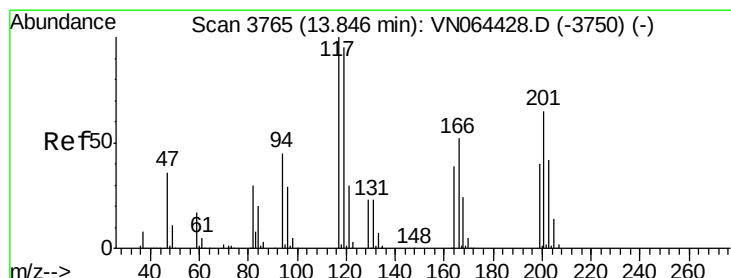
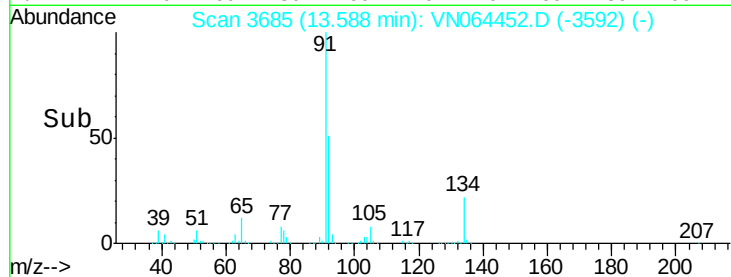
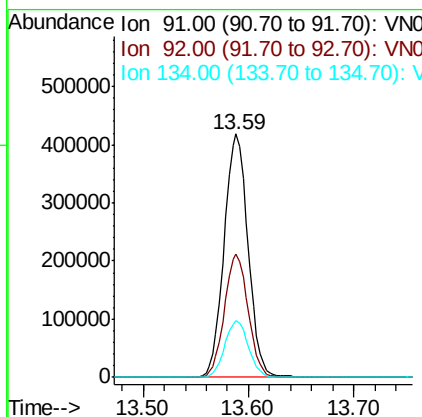
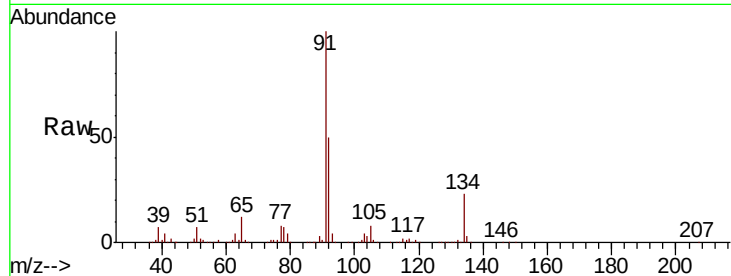
#89
n-Butylbenzene
Concen: 51.955 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN064452.D
Acq: 5 Nov 2020 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.2	25.3	75.9
134	23.1	11.8	35.4

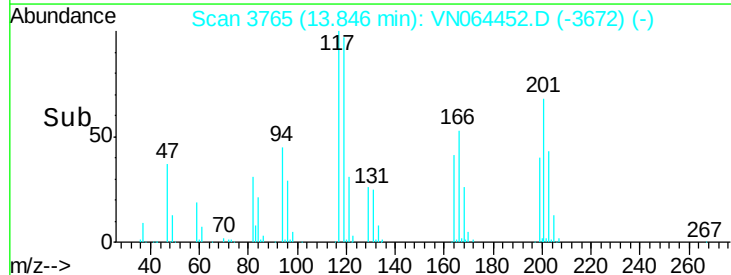
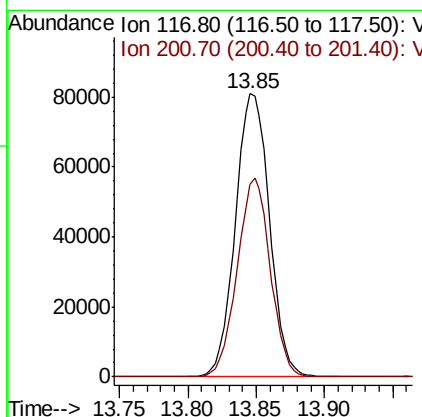
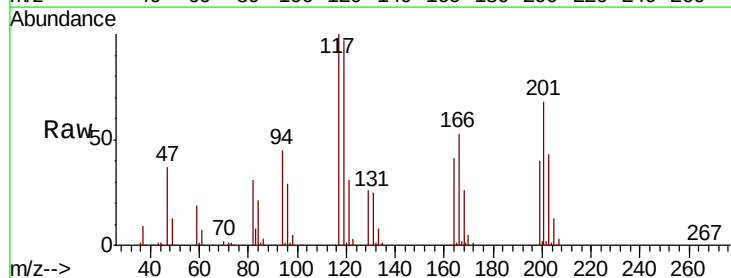
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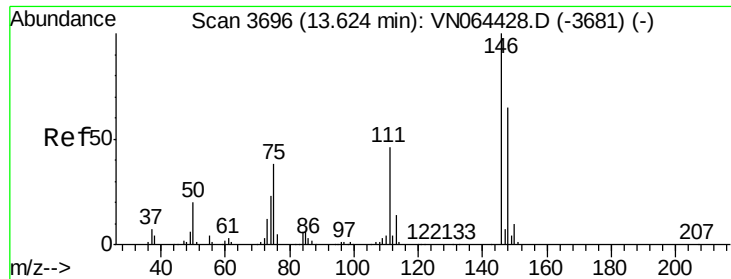
MMDadoda
11/6/2020 8:51:21 AM



#90
Hexachloroethane
Concen: 49.544 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN064452.D
Acq: 5 Nov 2020 10:47

Tgt Ion	Ratio	Lower	Upper
117	100		
201	68.1	32.5	97.5





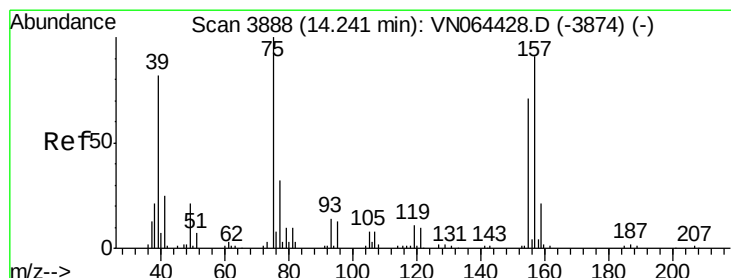
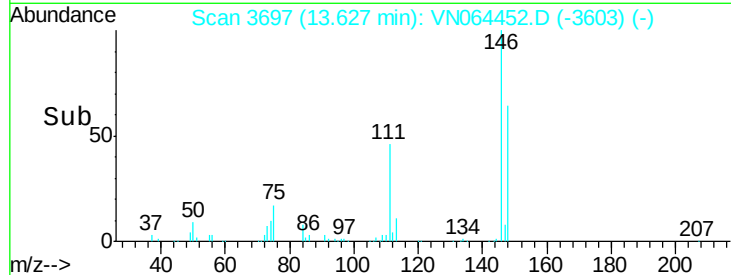
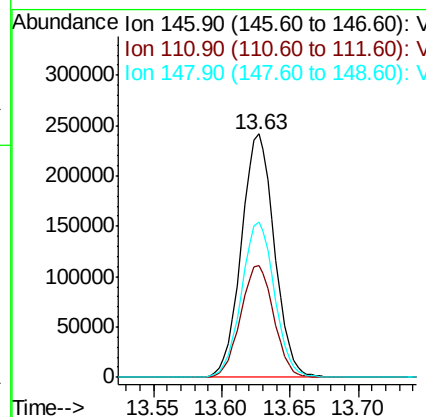
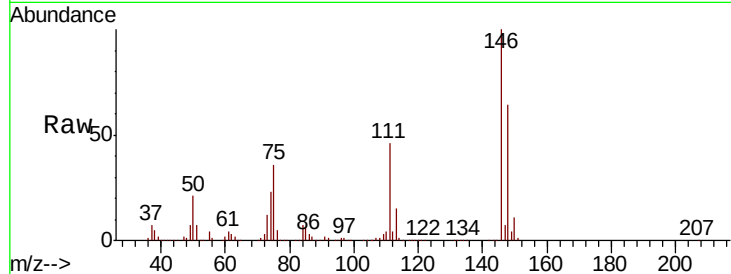
#91
 1,2-Dichlorobenzene
 Concen: 49.978 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064452.D
 Acq: 5 Nov 2020 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.1	22.9	68.7
148	64.0	32.0	96.2

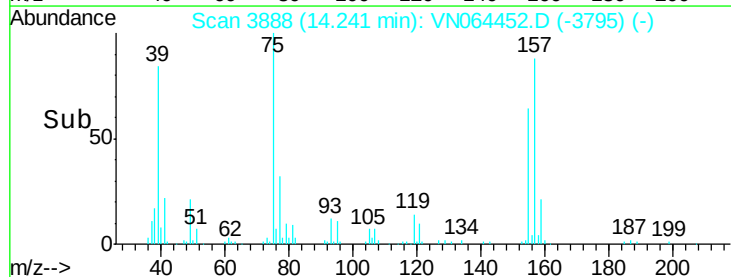
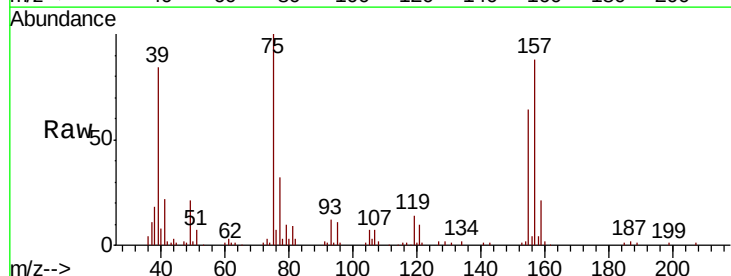
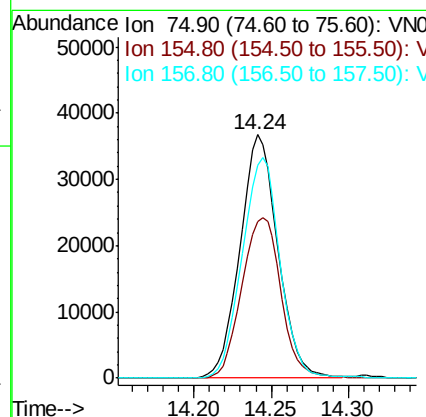
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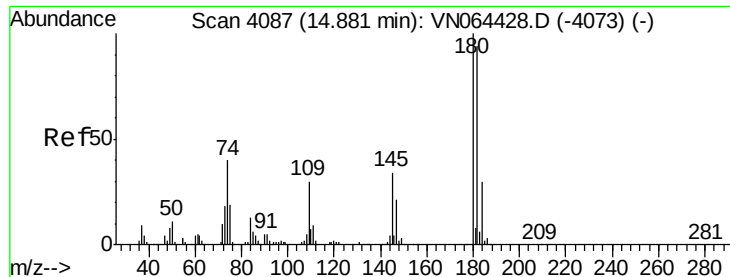
MMDadoda
 11/6/2020 8:51:21 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.036 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN064452.D
 Acq: 5 Nov 2020 10:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	68.1	34.6	103.9
157	90.8	43.0	128.8





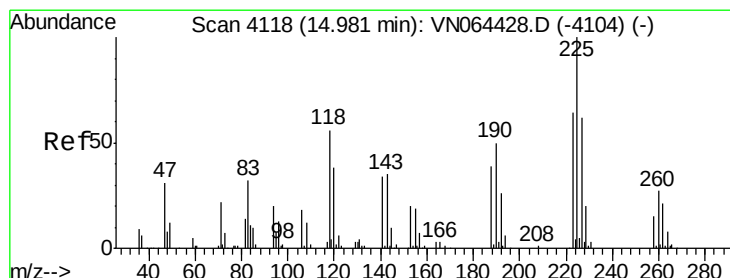
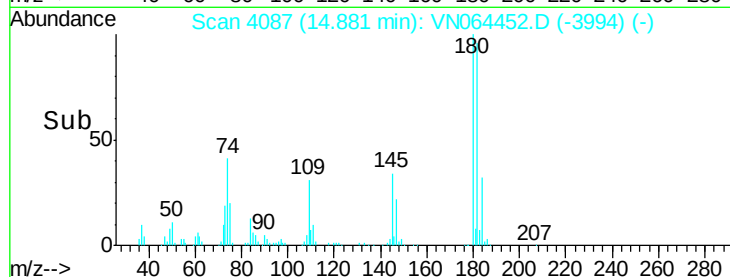
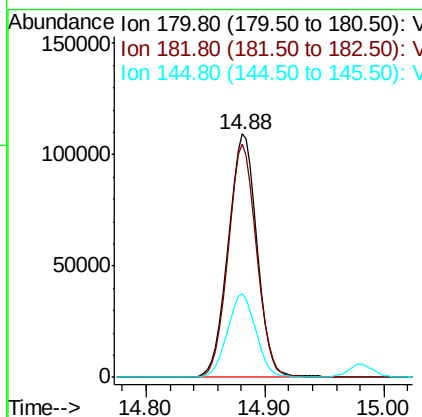
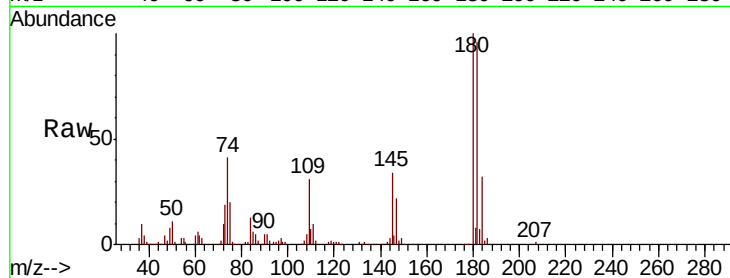
#93
 1,2,4-Trichlorobenzene
 Concen: 45.514 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN064452.D
 Acq: 5 Nov 2020 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.4	47.3	142.0	
145	34.1	16.7	50.1	

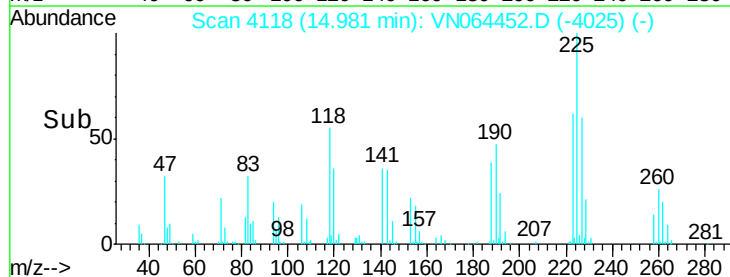
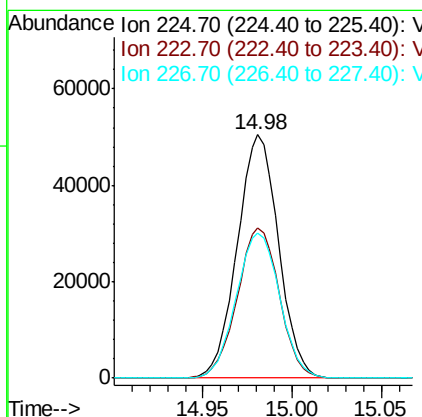
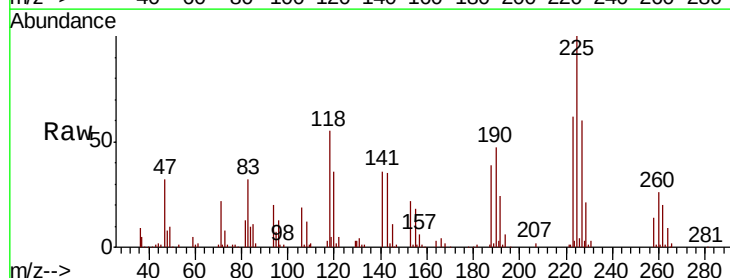
Manual Integrations
 APPROVED

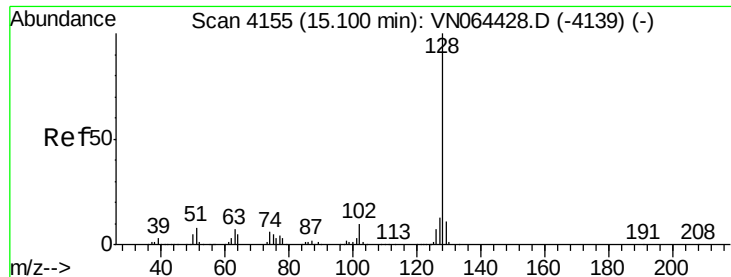
MMDadoda
 11/6/2020 8:51:21 AM



#94
 Hexachlorobutadiene
 Concen: 48.987 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064452.D
 Acq: 5 Nov 2020 10:47

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.2	31.8	95.4	
227	62.9	31.8	95.4	





#95

Naphthalene

Concen: 44.078 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064452.D

Acq: 5 Nov 2020 10:47

Instrument :

MSVOA_N

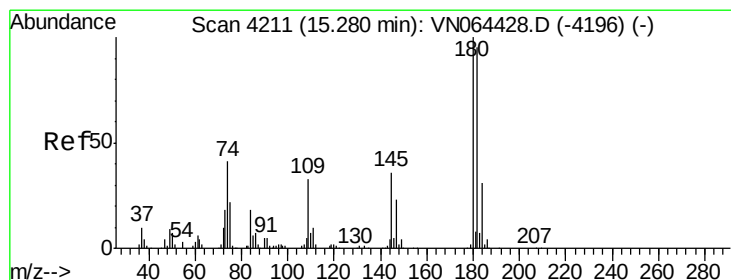
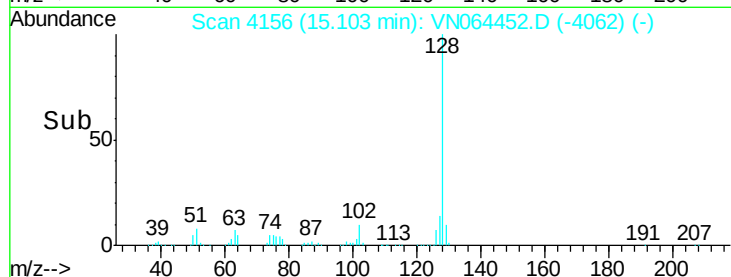
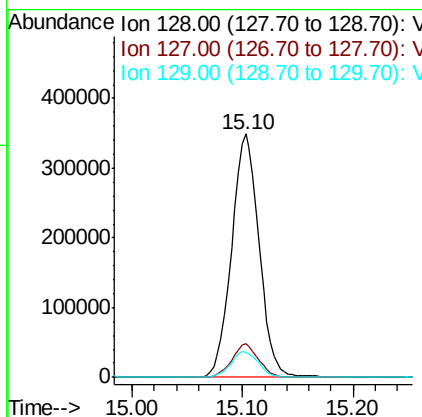
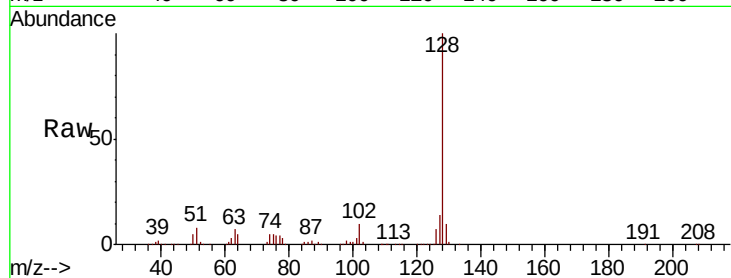
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	602822
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.5	15.7
129	10.7	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
11/6/2020 8:51:21 AM



#96

1,2,3-Trichlorobenzene

Concen: 46.407 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN064452.D

Acq: 5 Nov 2020 10:47

Tgt Ion:	180	Resp:	180722
Ion Ratio	Lower	Upper	
180	100		
182	94.4	47.7	143.1
145	35.3	18.3	54.8

