

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111020\
 Data File : VN064518.D
 Acq On : 10 Nov 2020 11:40
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 11/11/2020 1:01:19 PM

Quant Time: Nov 11 02:26:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N110920W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Nov 09 13:16:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	61772	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	329035	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	307693	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	169032	30.91	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	103.03%
60) 4-Bromofluorobenzene	12.38	95	158055	29.99	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	99.97%
63) Toluene-d8	10.06	98	432891	30.17	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.57%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.84	85	92699	22.407 ug/l	95
3) Chloromethane	2.04	50	106816	22.627 ug/l	100
4) Vinyl Chloride	2.17	62	113221	22.135 ug/l	95
5) Bromomethane	2.54	94	70461	21.048 ug/l	100
6) Chloroethane	2.68	64	68552	21.462 ug/l	98
7) Trichlorofluoromethane	2.99	101	166288	22.451 ug/l	98
8) Diethyl Ether	3.37	74	58338	22.054 ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.71	101	74802	21.458 ug/l #	48
10) 1,1-Dichloroethene	3.69	96	68823	20.638 ug/l	98
11) Methyl Iodide	3.91	142	85749	20.857 ug/l	95
12) Methyl Acetate	4.28	43	86908	21.376 ug/l	93
13) Acrolein	3.57	56	47783	116.217 ug/l	99
14) Acrylonitrile	4.94	53	193881	107.220 ug/l	99
15) Acetone	3.78	58	65695	110.086 ug/l	95
16) Carbon Disulfide	4.00	76	205630	20.319 ug/l	100
17) Allyl chloride	4.27	41	128543	20.516 ug/l	99
18) Methylene Chloride	4.50	84	84510	21.342 ug/l	96
19) trans-1,2-Dichloroethene	4.99	96	77716	20.563 ug/l	97
20) Diisopropyl ether	5.90	45	282261	20.690 ug/l	97
21) 1,1-Dichloroethane	5.79	63	159501	21.261 ug/l	98
22) cis-1,2-Dichloroethene	6.78	96	88683	20.704 ug/l	96
23) tert-Butyl Alcohol	4.75	59	67482	108.989 ug/l #	100
24) Methyl tert-Butyl Ether	5.00	73	242078	20.524 ug/l #	70
25) Chloroform	7.33	83	168186	21.334 ug/l	94
26) Cyclohexane	7.61	56	117783	20.336 ug/l #	99
29) 1,1-Dichloropropene	7.75	75	120905	21.174 ug/l	98
30) 2-Butanone	6.79	43	298004	105.429 ug/l #	76
31) 2,2-Dichloropropane	6.78	77	142658	21.033 ug/l	100
32) 1,1,1-Trichloroethane	7.52	97	152700	21.802 ug/l	97
33) Carbon Tetrachloride	7.73	117	131932	21.093 ug/l	99
34) Benzene	8.00	78	343136	20.754 ug/l	99
35) Methacrylonitrile	7.13	41	54374	20.563 ug/l	96
36) 1,2-Dichloroethane	8.08	62	144311	21.269 ug/l	98
37) Trichloroethene	8.80	130	85617	20.481 ug/l	95
38) Methylcyclohexane	9.05	83	100682	19.494 ug/l	99
39) 1,2-Dichloropropane	9.08	63	91491	20.595 ug/l	97
40) Dibromomethane	9.17	93	65259	21.775 ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	135817	20.910	ug/l	96
42) Vinyl Acetate	5.85	43	1165581	103.005	ug/l	100
43) Ethyl Acetate	6.88	43	119427	21.714	ug/l	98
44) Isopropyl Acetate	8.13	43	195970	20.641	ug/l	96
45) 1,4-Dioxane	9.17	88	27078	406.853	ug/l	98
46) Methyl methacrylate	9.17	41	96474	20.432	ug/l	95
47) n-amyl Acetate	12.05	43	163161	19.866	ug/l	100
48) t-1,3-Dichloropropene	10.35	75	140070	20.349	ug/l	97
49) cis-1,3-Dichloropropene	9.81	75	147568	20.403	ug/l	97
50) 1,1,2-Trichloroethane	10.53	97	85608	20.835	ug/l	99
51) Ethyl methacrylate	10.40	69	117836	20.013	ug/l	98
52) 1,3-Dichloropropane	10.68	76	147494	20.895	ug/l	100
53) Dibromochloromethane	10.87	129	96380	20.482	ug/l	98
54) 1,2-Dibromoethane	10.98	107	89653	21.332	ug/l	97
55) 2-Chloroethyl vinyl ether	9.66	63	272994	88.598	ug/l	99
56) Bromoform	12.10	173	62409	20.210	ug/l	97
58) 4-Methyl-2-Pentanone	9.95	43	609815	107.923	ug/l	99
59) 2-Hexanone	10.72	43	460094	108.109	ug/l	99
61) Tetrachloroethene	10.60	164	82839	21.539	ug/l	97
62) Toluene	10.12	91	377278	20.879	ug/l	100
64) Chlorobenzene	11.41	112	222901	20.752	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.48	131	88575	21.095	ug/l	98
66) Ethyl Benzene	11.48	91	398637	20.441	ug/l	100
67) m/p-Xylenes	11.60	106	293644	40.796	ug/l	99
68) o-Xylene	11.92	106	137326	20.161	ug/l	95
69) Styrene	11.94	104	232597	19.939	ug/l	99
70) Isopropylbenzene	12.22	105	363103	20.366	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	122316	21.423	ug/l	99
72) 1,2,3-Trichloropropane	12.53	75	115293m	20.247	ug/l	
73) Bromobenzene	12.50	156	88500	20.066	ug/l	99
74) n-propylbenzene	12.57	91	432342	20.616	ug/l	99
75) 2-Chlorotoluene	12.65	91	268847	20.389	ug/l	99
76) 1,3,5-Trimethylbenzene	12.71	105	309348	20.554	ug/l	97
77) t-1,4-Dichloro-2-butene	12.27	75	41263	19.875	ug/l	91
78) 4-Chlorotoluene	12.75	91	280120	20.218	ug/l	99
79) tert-butylbenzene	12.97	119	240908	20.396	ug/l	97
80) 1,2,4-Trimethylbenzene	13.01	105	312697	20.617	ug/l	98
81) sec-Butylbenzene	13.15	105	316497	20.214	ug/l	100
82) p-Isopropyltoluene	13.26	119	278321	19.898	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	155600	20.055	ug/l	99
84) 1,4-Dichlorobenzene	13.34	146	150746	19.534	ug/l	97
85) n-Butylbenzene	13.59	91	238269	19.649	ug/l	98
86) Hexachloroethane	13.85	117	56915	20.420	ug/l	99
87) 1,2-Dichlorobenzene	13.63	146	156506	20.711	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.24	75	25994	21.073	ug/l	96
89) 1,2,4-Trichlorobenzene	14.88	180	63690	18.562	ug/l	94
90) Hexachlorobutadiene	14.98	225	35801	20.950	ug/l	97
91) Naphthalene	15.10	128	201497	17.752	ug/l	99
92) 1,2,3-Trichlorobenzene	15.29	180	66813	19.241	ug/l	98

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ClientSampleId :
VSTDCCC020

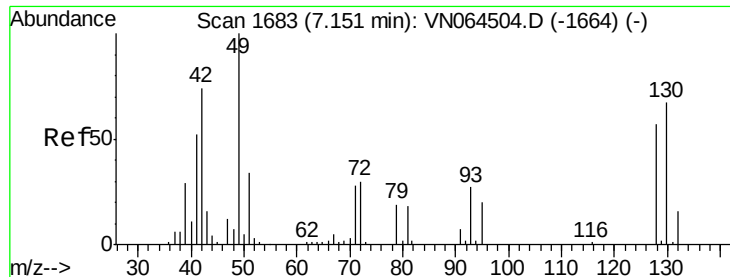
Manual Integrations
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11/11/2020 1:01:19 PM

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QLast Update : Mon Nov 09 13:16:36 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



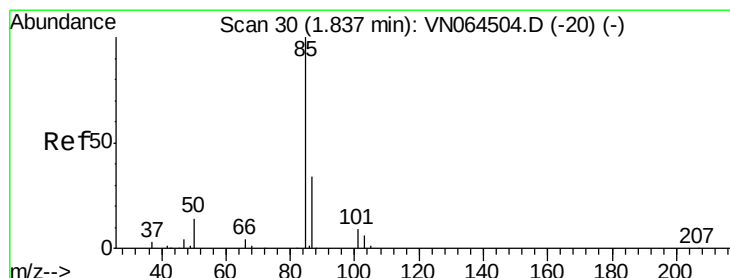
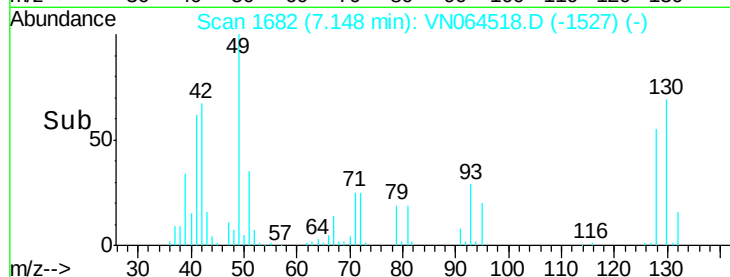
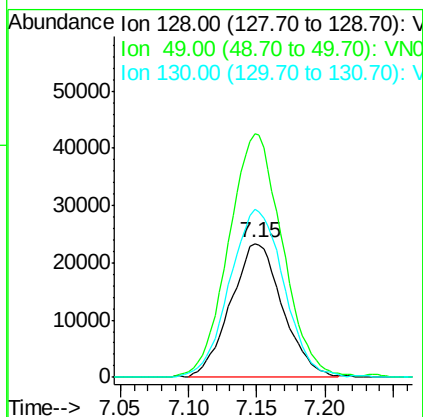
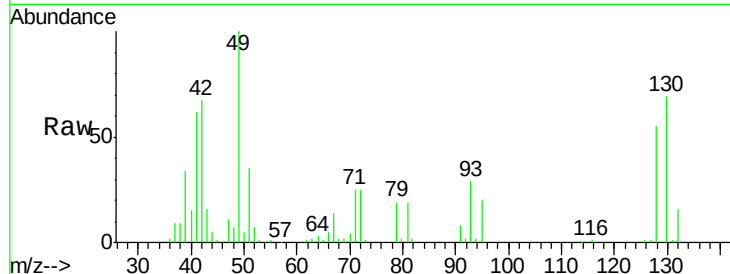
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.15 min Scan# 1682
Delta R.T. -0.00 min
Lab File: VN064518.D
Acq: 10 Nov 2020 11:40

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ClientSampleId :
VSTDCCC020

Tot Ion:128 Resp: 61772
Ion Ratio Lower Upper
128 100
49 188.4 0.0 475.5
130 131.1 0.0 315.3

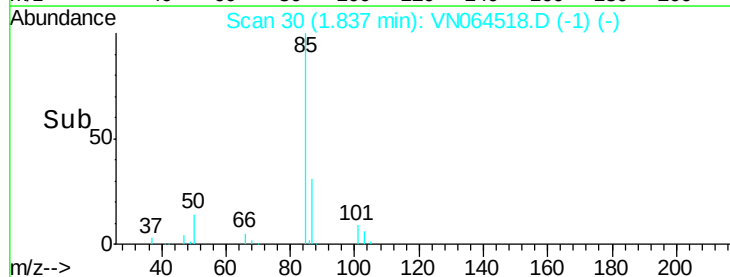
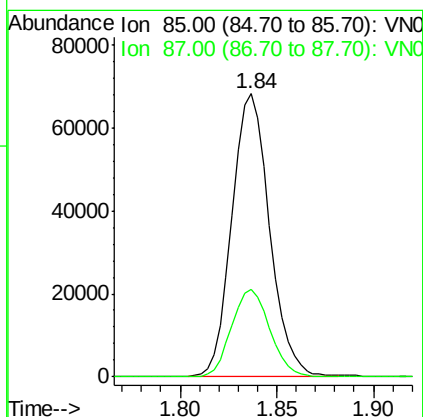
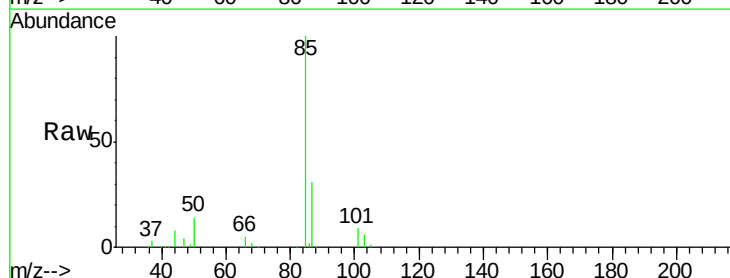
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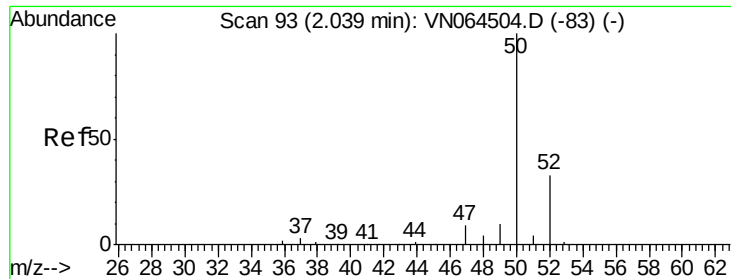
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#2
Dichlorodifluoromethane
Concen: 22.407 ug/l
RT: 1.84 min Scan# 30
Delta R.T. 0.00 min
Lab File: VN064518.D
Acq: 10 Nov 2020 11:40

Tgt Ion: 85 Resp: 92699
Ion Ratio Lower Upper
85 100
87 30.8 17.0 50.9





#3

Chloromethane

Concen: 22.627 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064518.D

Acq: 10 Nov 2020 11:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 50 Resp: 106816

Ion Ratio Lower Upper

50 100

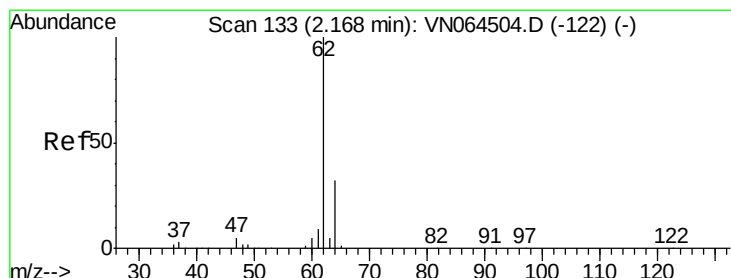
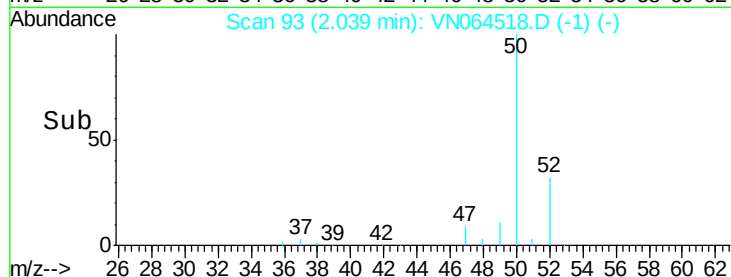
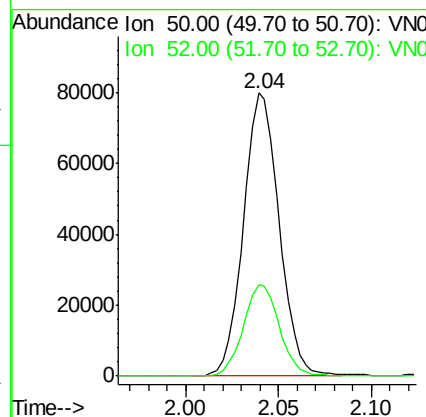
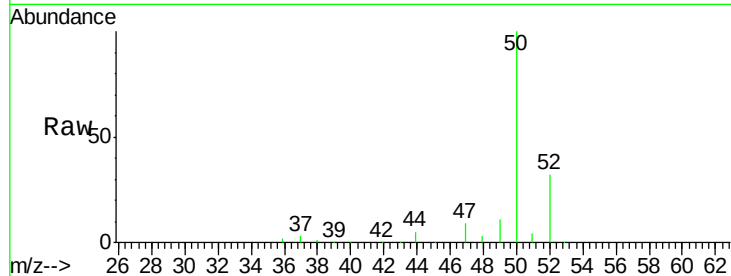
52 32.4 26.0 39.0

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#4

Vinyl Chloride

Concen: 22.135 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN064518.D

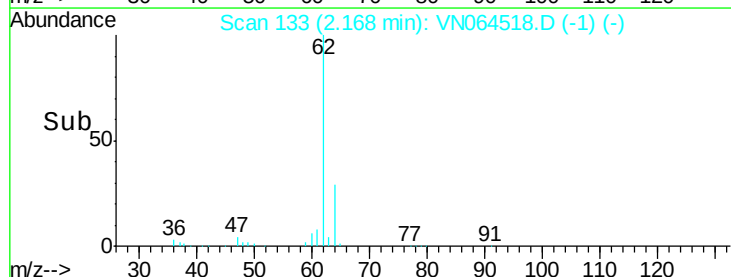
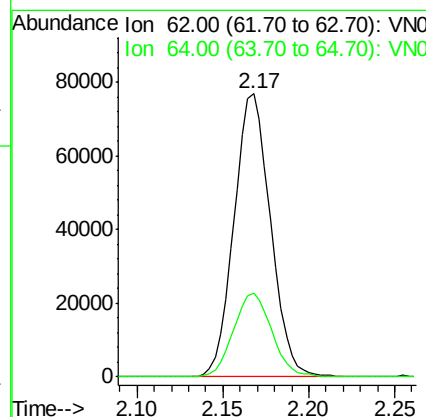
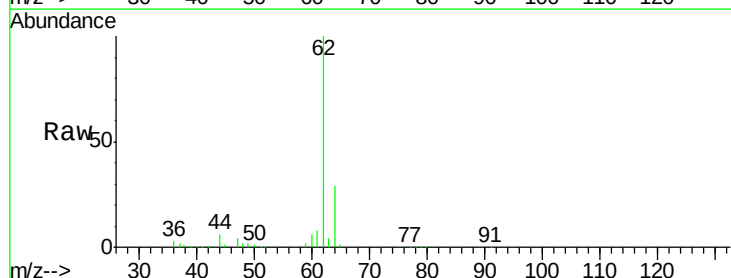
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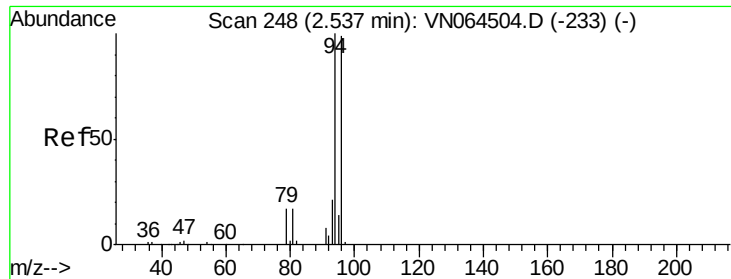
Tgt Ion: 62 Resp: 113221

Ion Ratio Lower Upper

62 100

64 29.4 25.8 38.8





#5

Bromomethane

Concen: 21.048 ug/l

RT: 2.54 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN064518.D

Acq: 10 Nov 2020 11:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 94 Resp: 70461

Ion Ratio Lower Upper

94 100

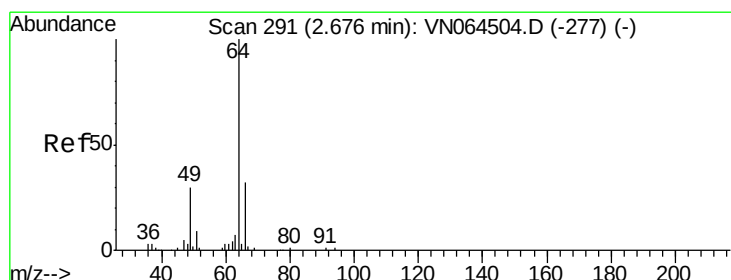
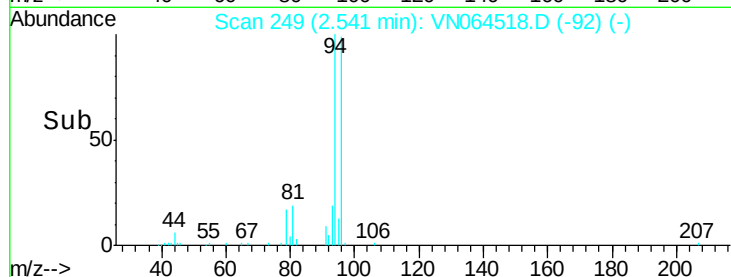
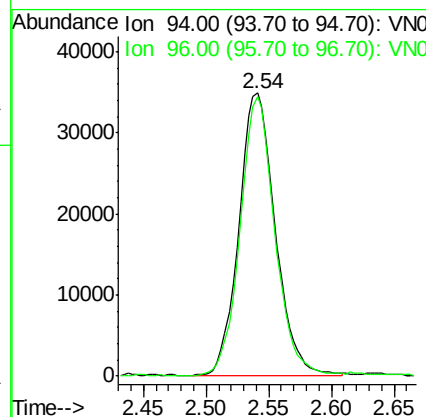
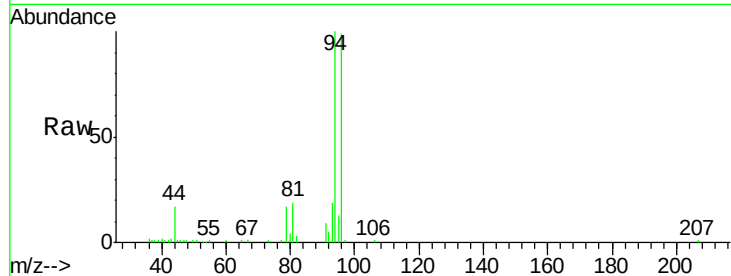
96 99.0 79.3 118.9

Manual Integrations

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#6

Chloroethane

Concen: 21.462 ug/l

RT: 2.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN064518.D

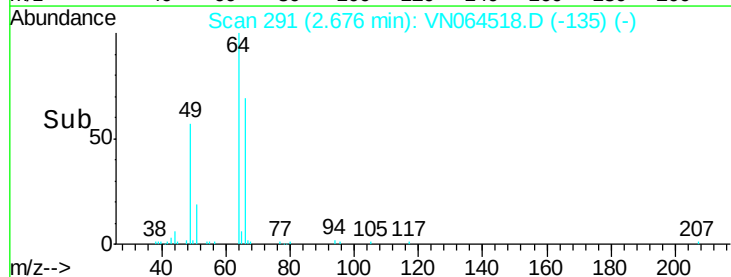
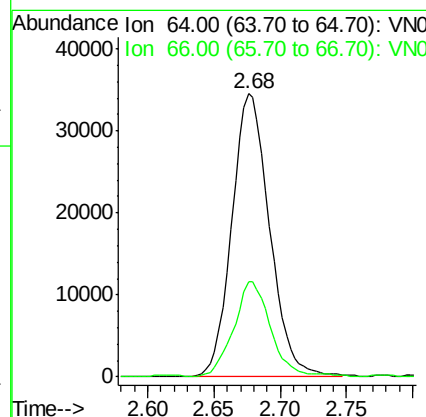
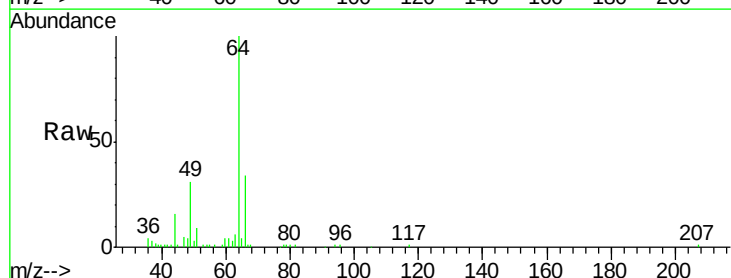
Acq: 10 Nov 2020 11:40

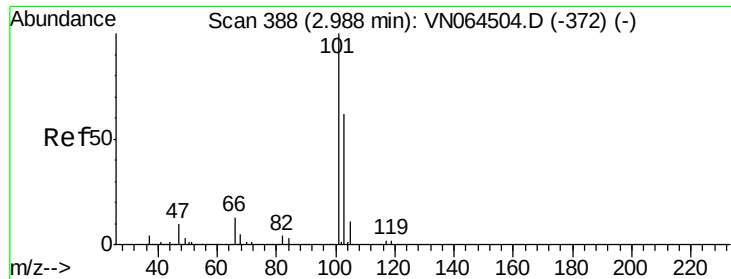
Tgt Ion: 64 Resp: 68552

Ion Ratio Lower Upper

64 100

66 33.8 26.0 39.0





#7

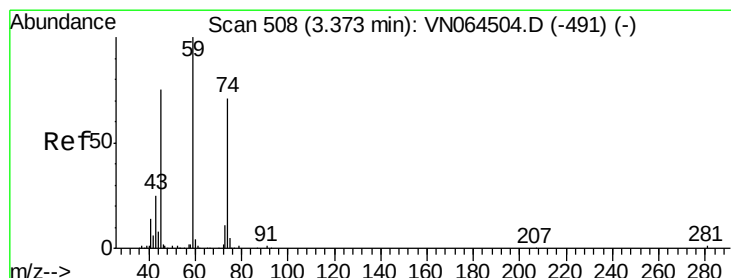
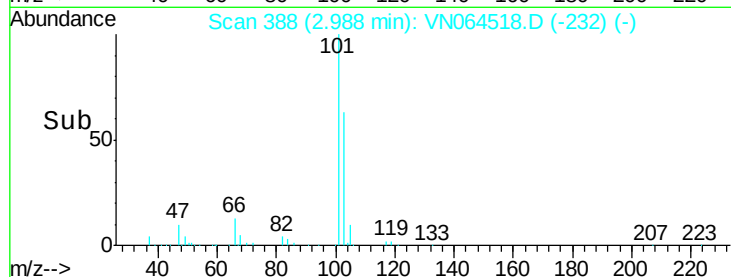
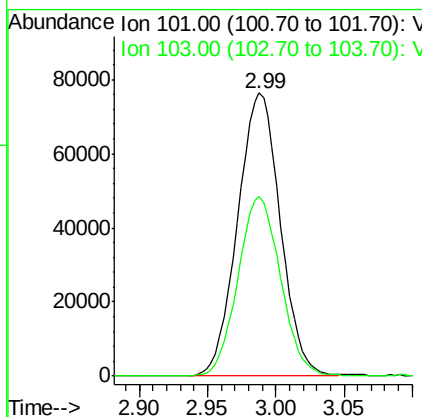
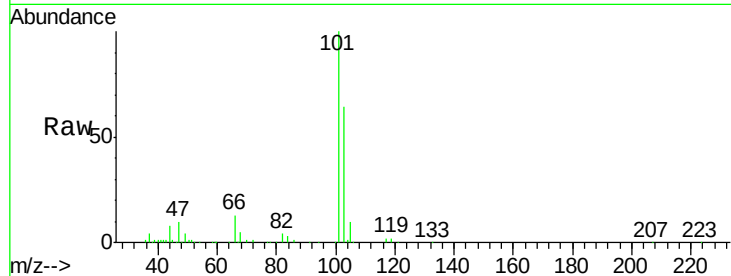
Trichlorofluoromethane
Concen: 22.451 ug/l
RT: 2.99 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN064518.D
Acq: 10 Nov 2020 11:40

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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.3	49.3	73.9

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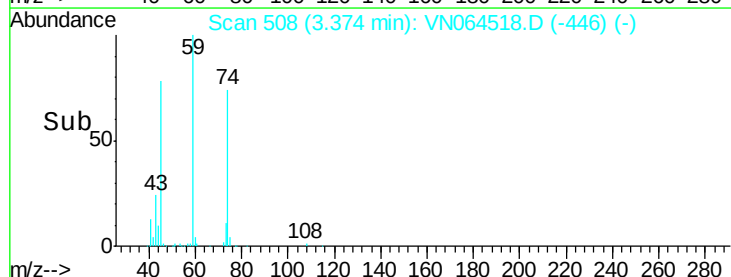
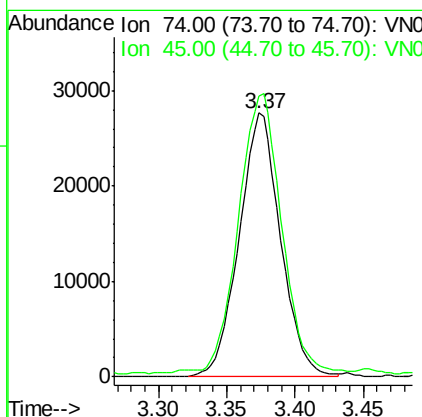
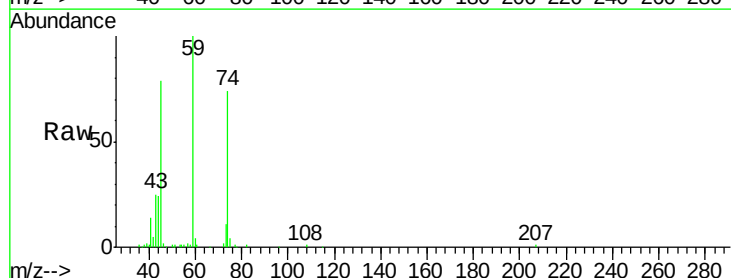
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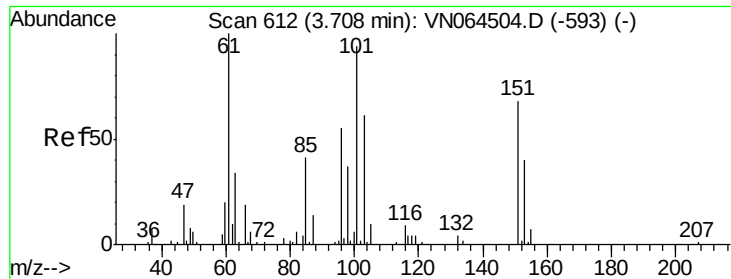


#8

Diethyl Ether
Concen: 22.054 ug/l
RT: 3.37 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN064518.D
Acq: 10 Nov 2020 11:40

Tgt Ion	Ratio	Lower	Upper
74	100		
45	111.8	22.1	198.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.458 ug/l

RT: 3.71 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN064518.D

Acq: 10 Nov 2020 11:40

Instrument :

MSVOA_N

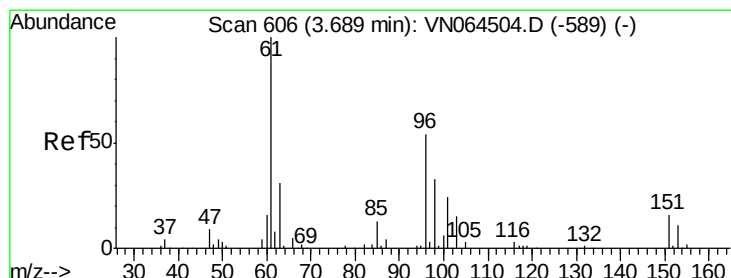
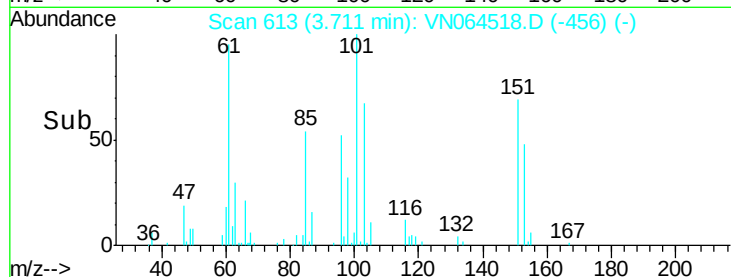
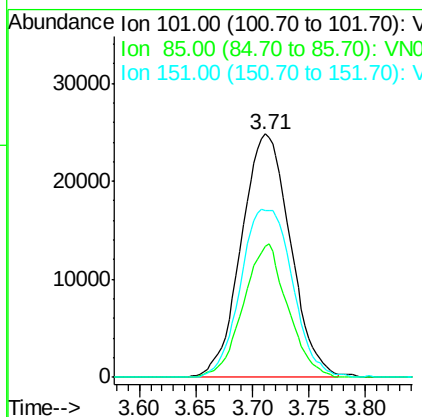
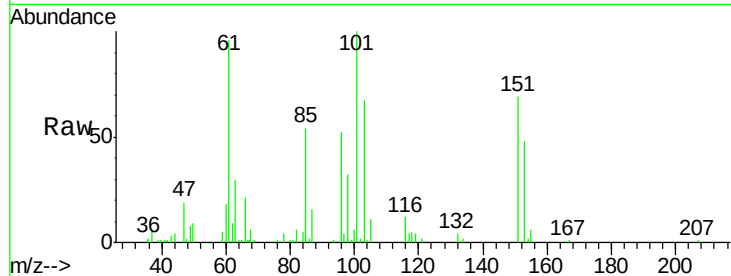
ClientSampleId :

VSTDCCC020

Tot Ion:	101	Resp:	74802
Ion Ratio	Lower	Upper	
101	100		
85	49.6	0.0	49.0#
151	72.8	0.0	80.2

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#10

1,1-Dichloroethene

Concen: 20.638 ug/l

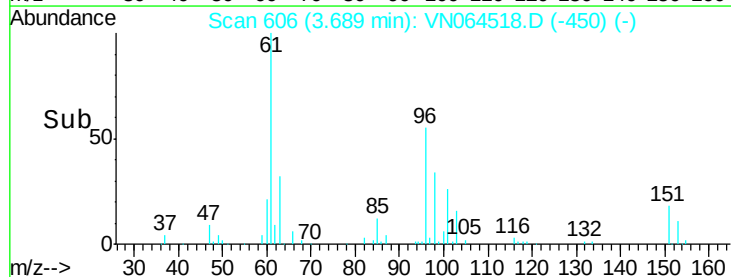
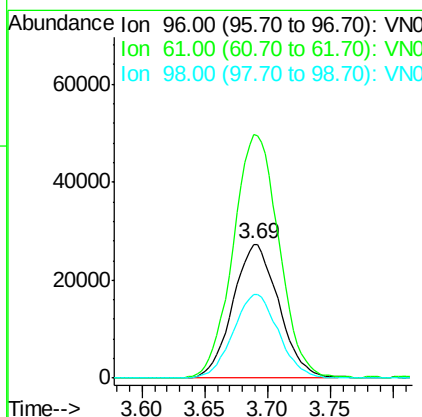
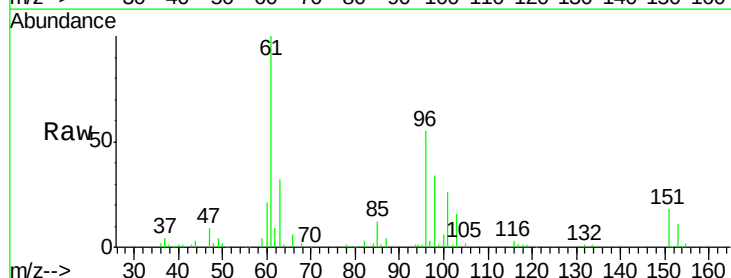
RT: 3.69 min Scan# 606

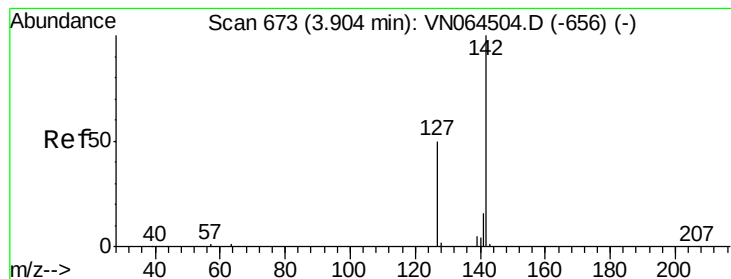
Delta R.T. 0.00 min

Lab File: VN064518.D

Acq: 10 Nov 2020 11:40

Tgt Ion:	96	Resp:	68823
Ion Ratio	Lower	Upper	
96	100		
61	182.1	149.2	223.8
98	62.6	49.6	74.4





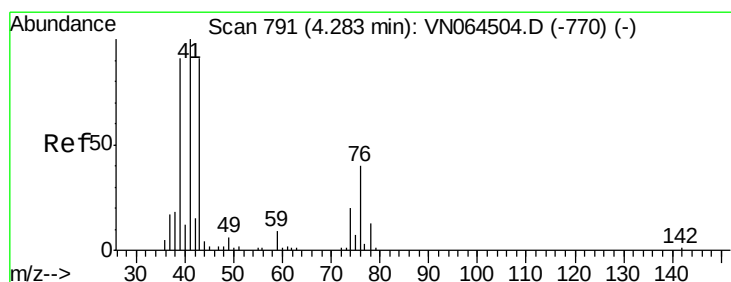
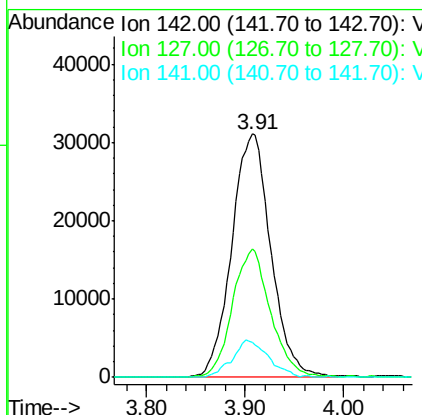
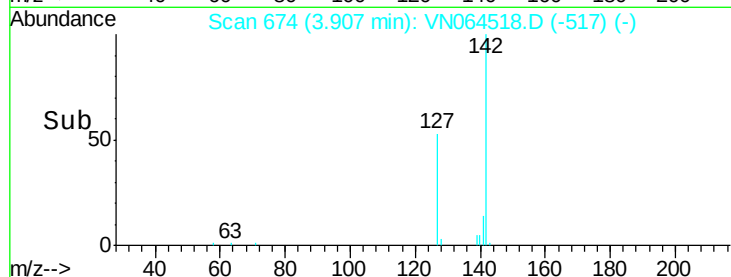
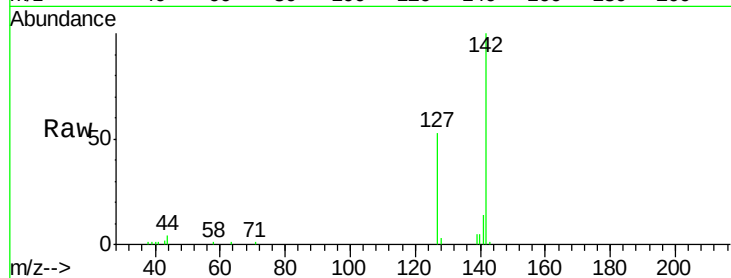
#11
Methvl Iodide
Concen: 20.857 ug/l
RT: 3.91 min Scan# 674
Delta R.T. 0.00 min
Lab File: VN064518.D
Acq: 10 Nov 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
142	100		
127	53.0	24.7	74.1
141	14.2	7.8	23.3

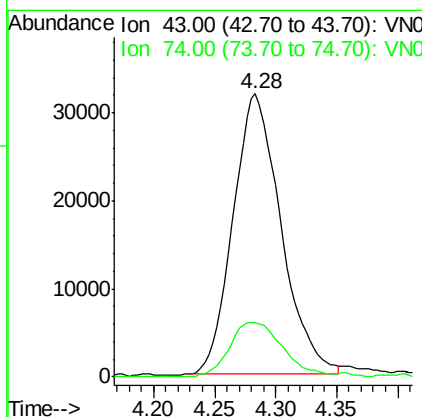
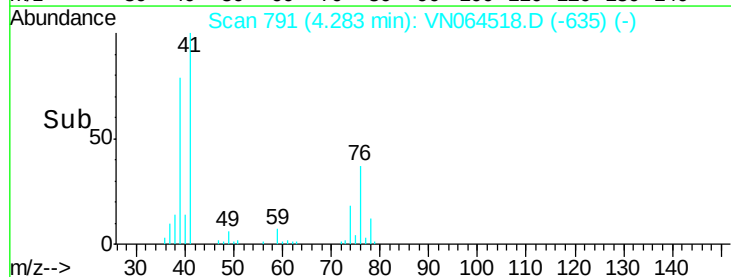
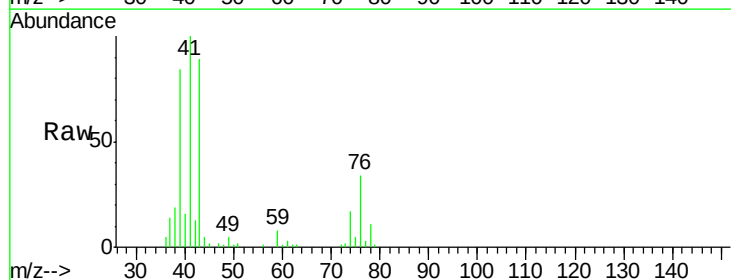
Manual Integrations
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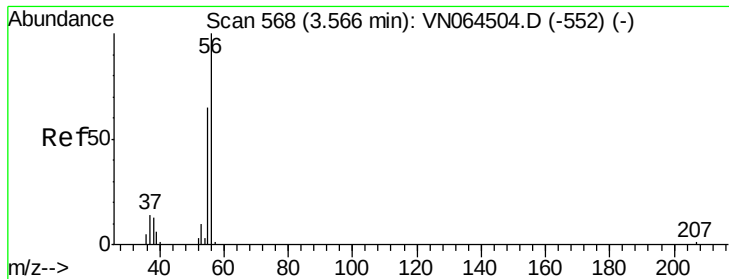
MMDadoda
11/11/2020 1:01:19 PM



#12
Methyl Acetate
Concen: 21.376 ug/l
RT: 4.28 min Scan# 791
Delta R.T. 0.00 min
Lab File: VN064518.D
Acq: 10 Nov 2020 11:40

Tgt Ion	Ratio	Lower	Upper
43	100		
74	18.8	17.7	26.5





#13

Acrolein

Concen: 116.217 ug/l

RT: 3.57 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN064518.D

Acq: 10 Nov 2020 11:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 56 Resp: 47783

Ion Ratio Lower Upper

56 100

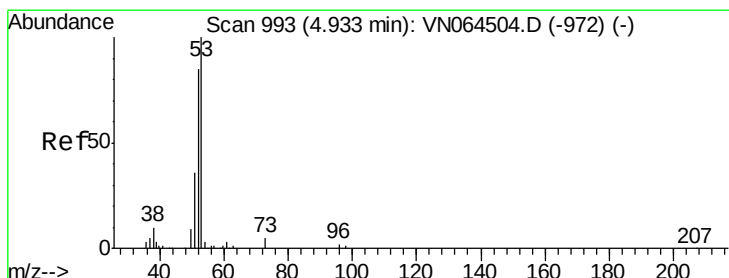
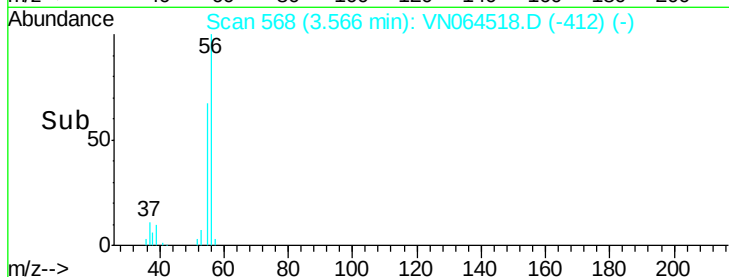
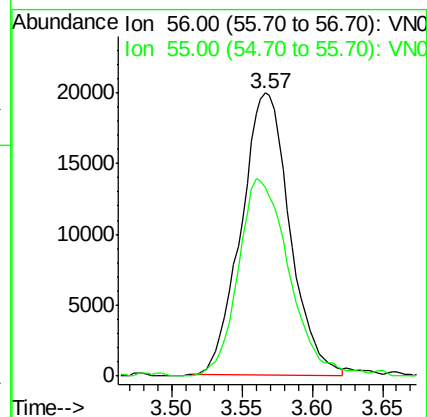
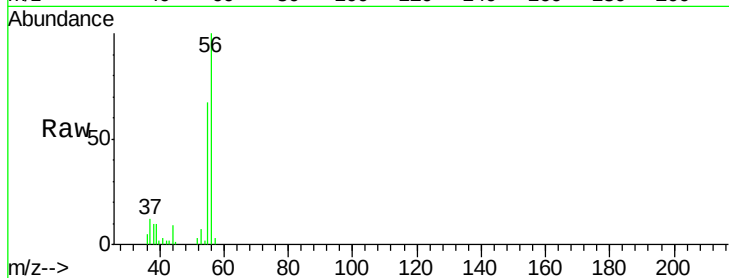
55 71.6 58.2 87.2

Manual Integrations

APPROVED

MMDadoda

11/11/2020 1:01:19 PM



#14

Acrylonitrile

Concen: 107.220 ug/l

RT: 4.94 min Scan# 994

Delta R.T. 0.00 min

Lab File: VN064518.D

Acq: 10 Nov 2020 11:40

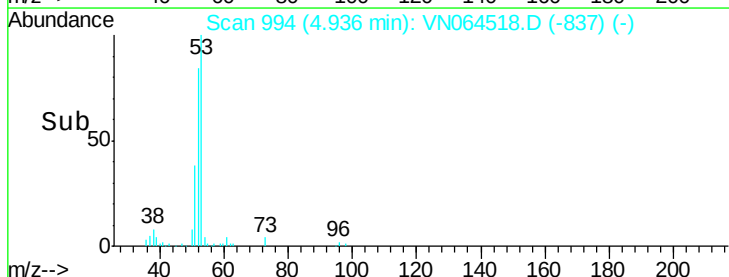
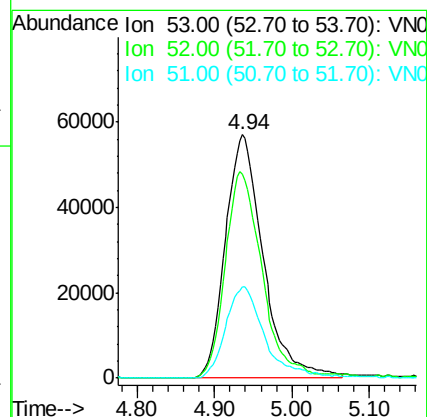
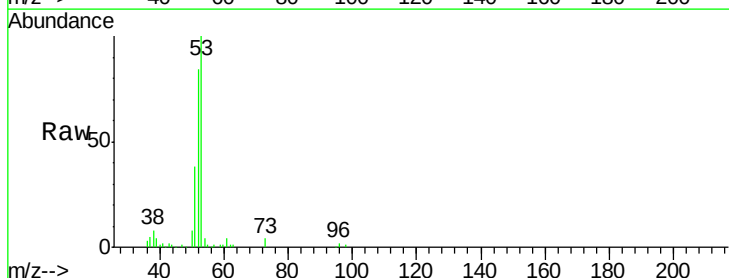
Tgt Ion: 53 Resp: 193881

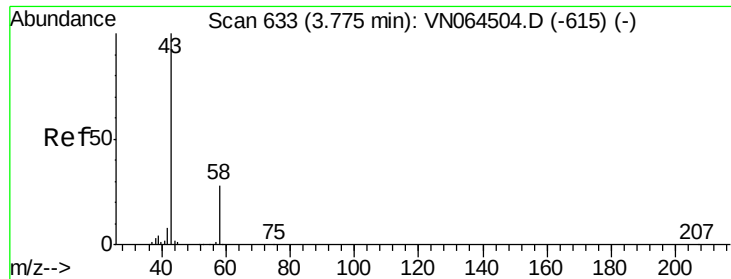
Ion Ratio Lower Upper

53 100

52 81.9 41.3 124.1

51 37.7 18.9 56.5





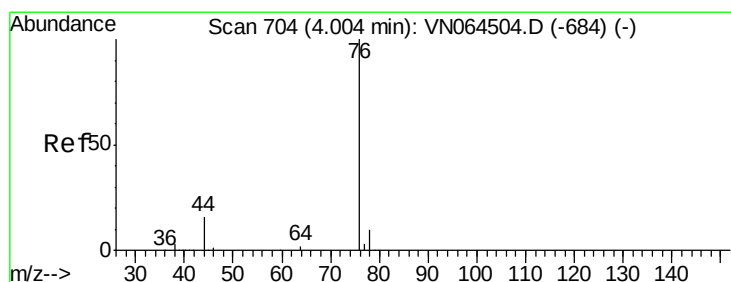
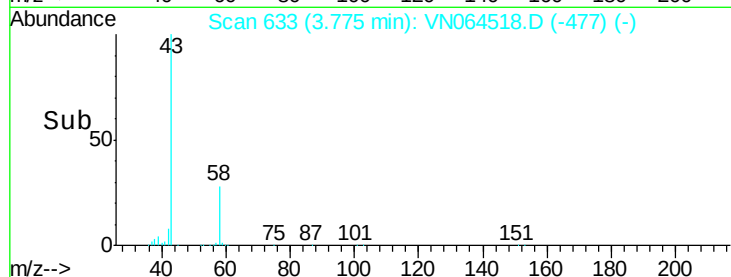
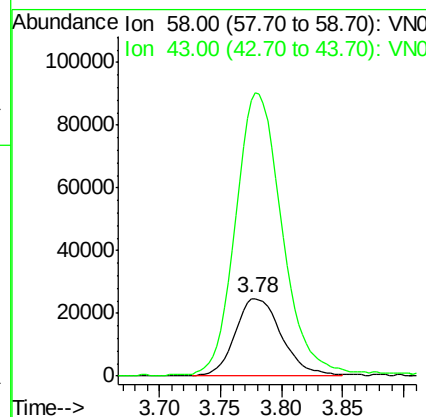
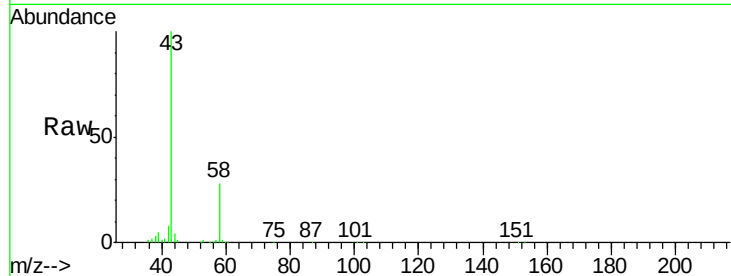
#15
Acetone
Concen: 110.086 ug/l
RT: 3.78 min Scan# 633
Delta R.T. 0.00 min
Lab File: VN064518.D
Acq: 10 Nov 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion: 58 Resp: 65695
Ion Ratio Lower Upper
58 100
43 351.0 289.8 434.8

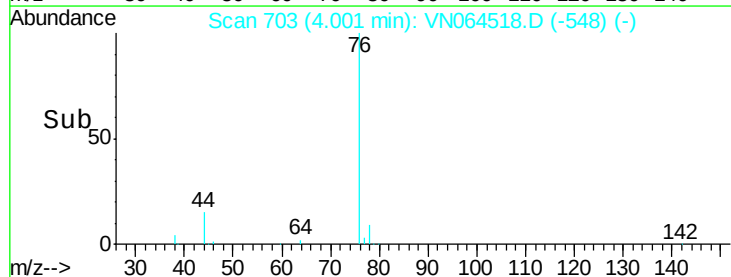
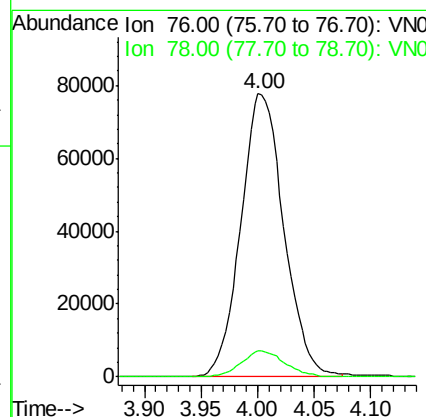
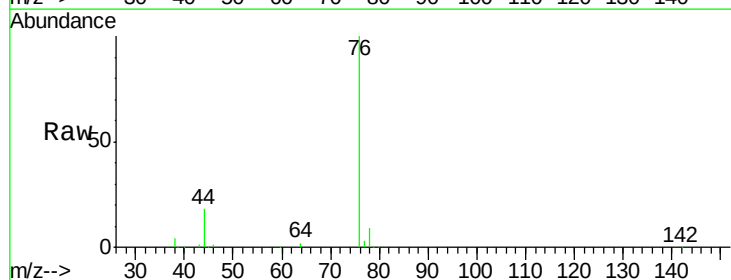
Manual Integrations
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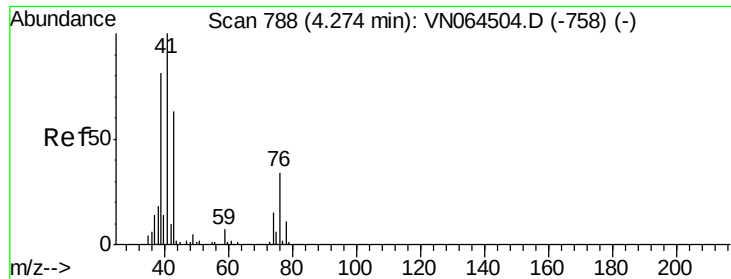
MMDadoda
11/11/2020 1:01:19 PM



#16
Carbon Disulfide
Concen: 20.319 ug/l
RT: 4.00 min Scan# 703
Delta R.T. -0.00 min
Lab File: VN064518.D
Acq: 10 Nov 2020 11:40

Tgt Ion: 76 Resp: 205630
Ion Ratio Lower Upper
76 100
78 9.4 7.6 11.4





#17

Allvl chloride

Concen: 20.516 ug/l

RT: 4.27 min Scan# 788

Delta R.T. 0.00 min

Lab File: VN064518.D

Acq: 10 Nov 2020 11:40

Instrument :

MSVOA_N

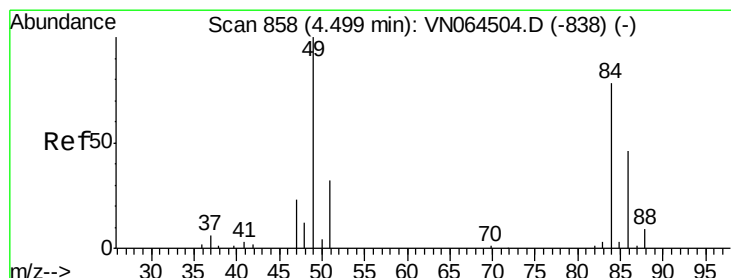
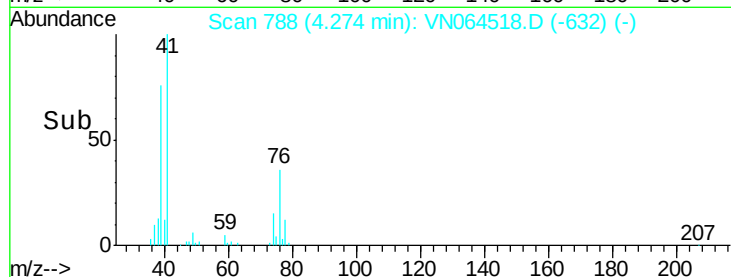
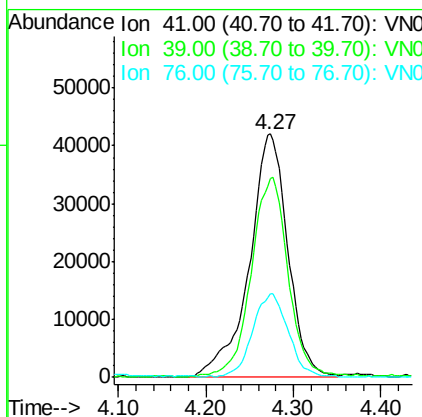
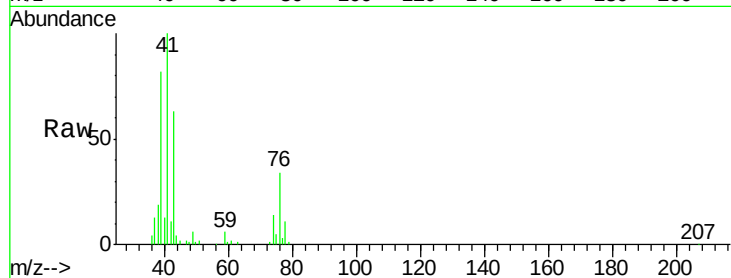
ClientSampleId :

VSTDCCC020

Tot Ion:	41	Resp:	128543
Ion	Ratio	Lower	Upper
41	100		
39	81.7	40.3	120.8
76	34.3	16.8	50.3

Manual Integrations
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MMDadoda
11/11/2020 1:01:19 PM



#18

Methylene Chloride

Concen: 21.342 ug/l

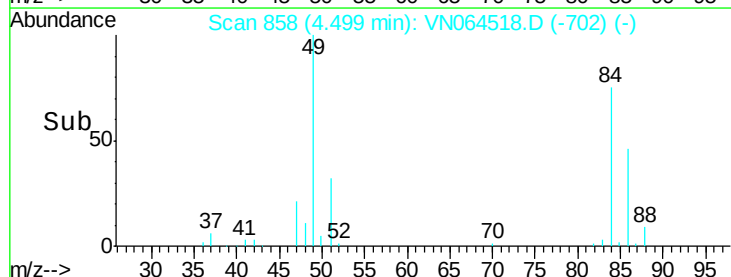
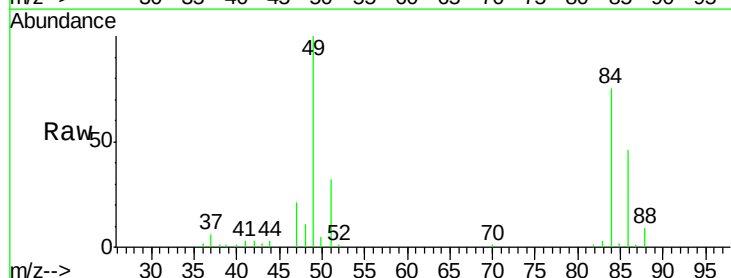
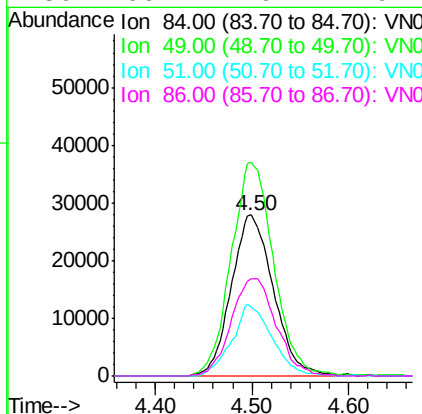
RT: 4.50 min Scan# 858

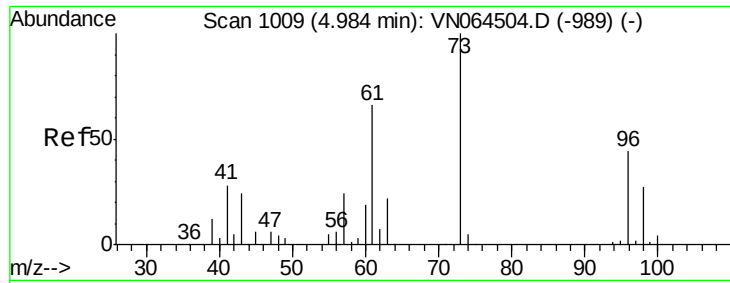
Delta R.T. 0.00 min

Lab File: VN064518.D

Acq: 10 Nov 2020 11:40

Tgt Ion:	84	Resp:	84510
Ion	Ratio	Lower	Upper
84	100		
49	132.6	102.1	153.1
51	42.9	32.6	48.8
86	60.4	46.7	70.1





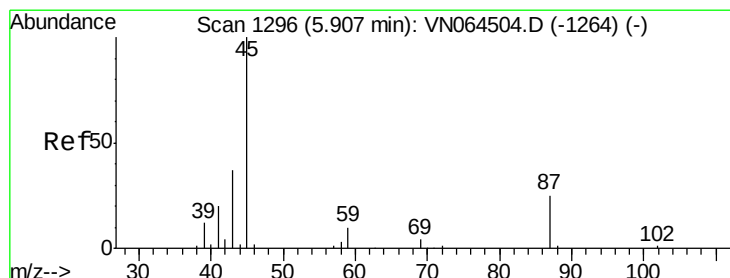
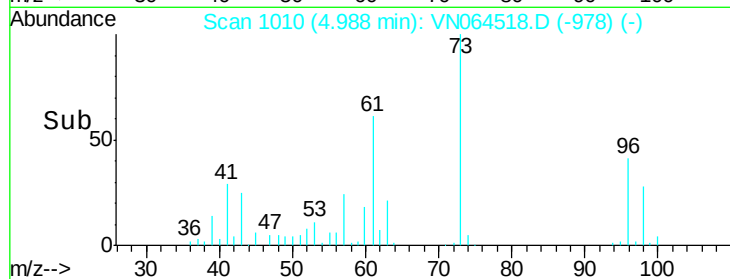
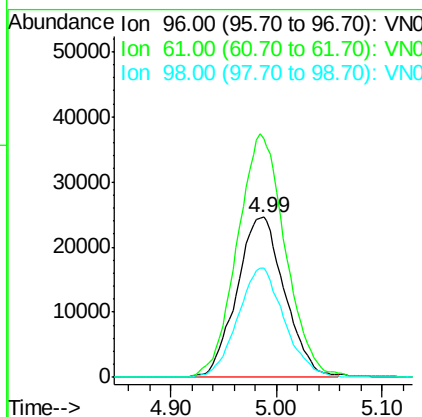
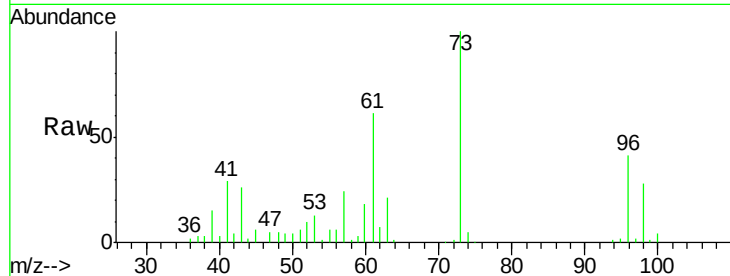
#19
trans-1,2-Dichloroethene
Concen: 20.563 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN064518.D
Acq: 10 Nov 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.4	120.1	180.1
98	68.4	49.1	73.7

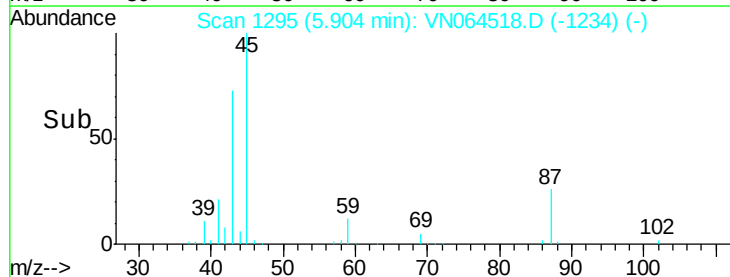
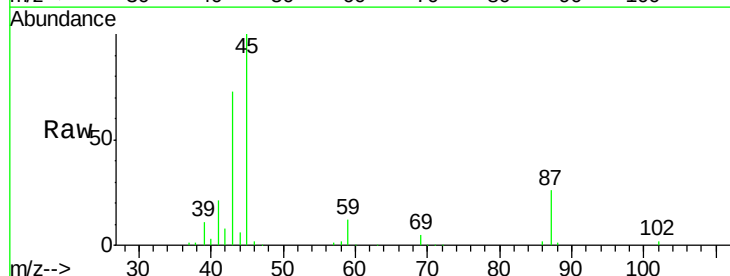
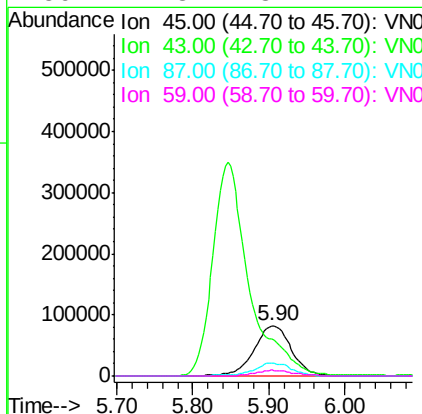
Manual Integrations
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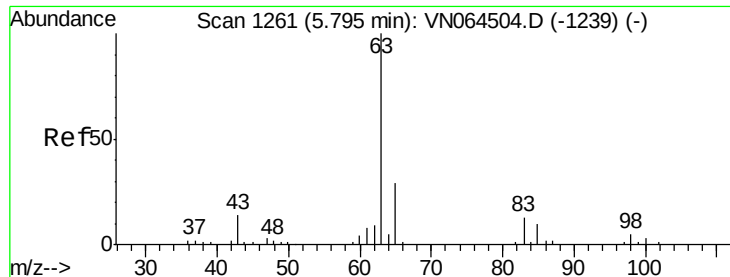
MMDadoda
11/11/2020 1:01:19 PM



#20
Diisopropyl ether
Concen: 20.690 ug/l
RT: 5.90 min Scan# 1295
Delta R.T. -0.00 min
Lab File: VN064518.D
Acq: 10 Nov 2020 11:40

Tgt Ion	Ratio	Lower	Upper
45	100		
43	69.9	53.1	79.7
87	26.0	21.0	31.6
59	11.3	8.2	12.4





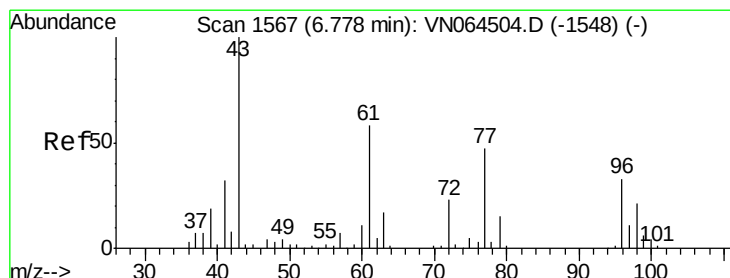
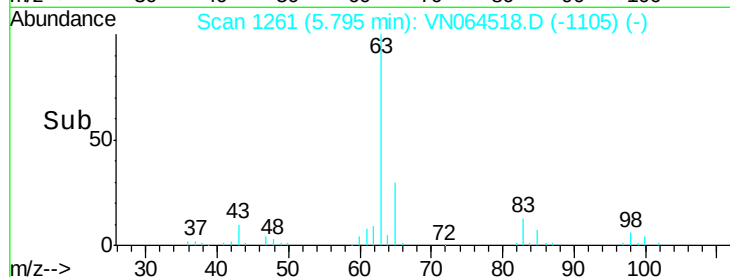
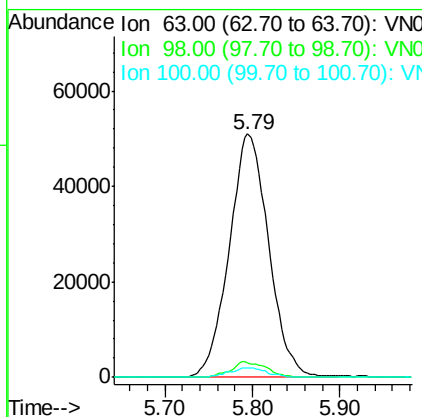
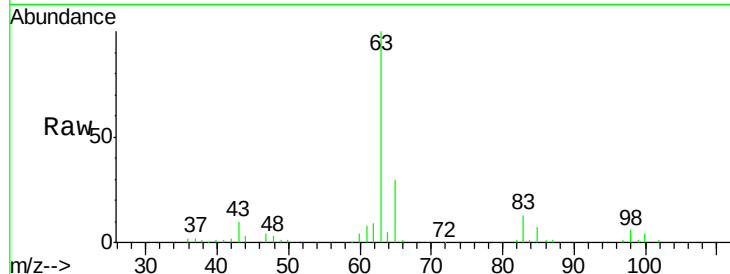
#21
 1,1-Dichloroethane
 Concen: 21.261 ug/l
 RT: 5.79 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VN064518.D
 Acq: 10 Nov 2020 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
63	100			
98	6.0	2.6	8.0	
100	3.8	1.7	5.1	

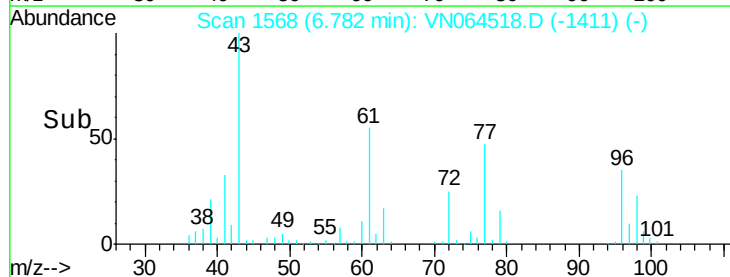
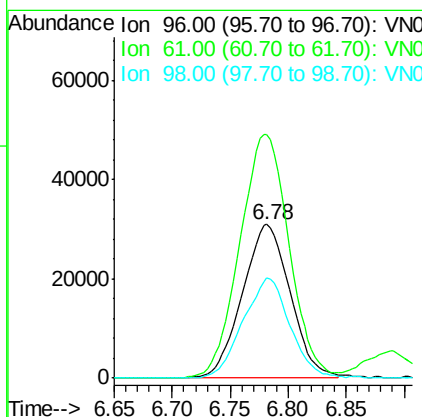
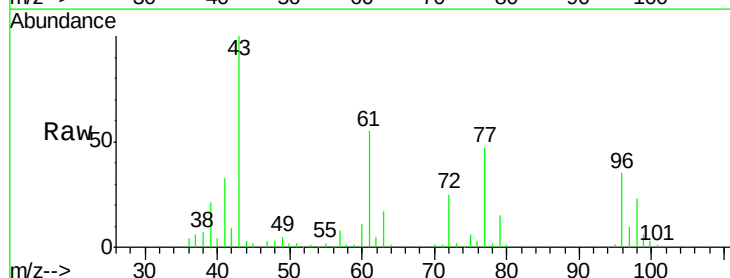
Manual Integrations
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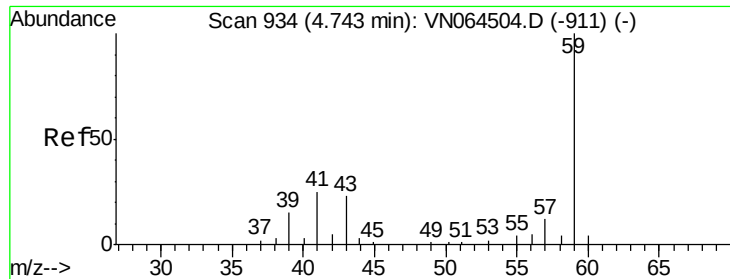
MMDadoda
 11/11/2020 1:01:19 PM



#22
 cis-1,2-Dichloroethene
 Concen: 20.704 ug/l
 RT: 6.78 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VN064518.D
 Acq: 10 Nov 2020 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	163.2	136.1	204.1	
98	63.8	51.8	77.8	





#23

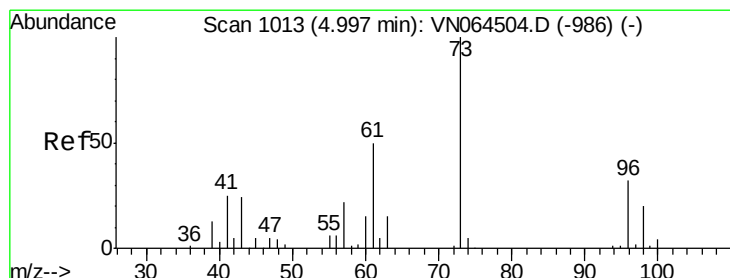
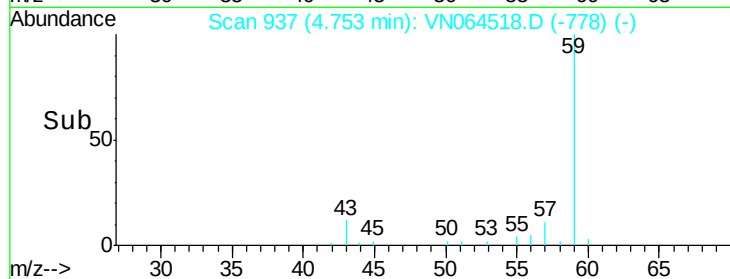
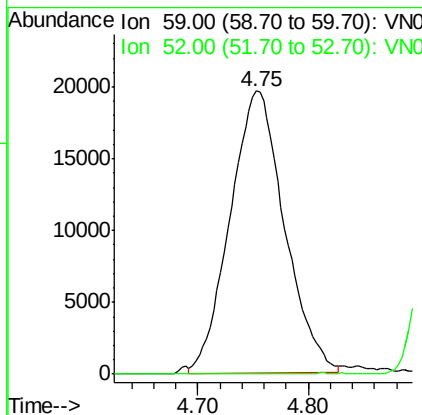
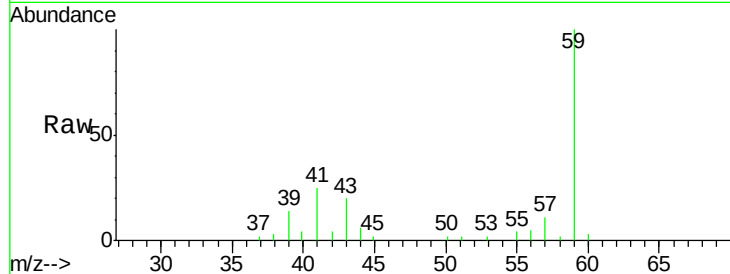
tert-Butyl Alcohol
Concen: 108.989 ug/l
RT: 4.75 min Scan# 937
Delta R.T. 0.01 min
Lab File: VN064518.D
Acq: 10 Nov 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

Manual Integrations
APPROVED

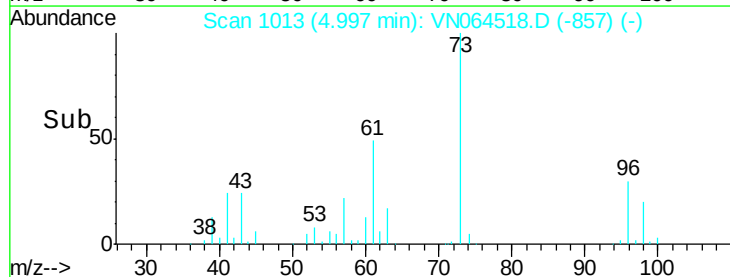
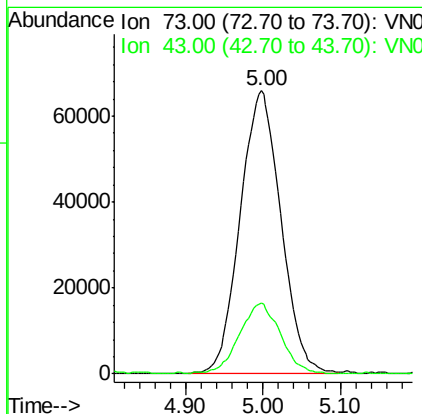
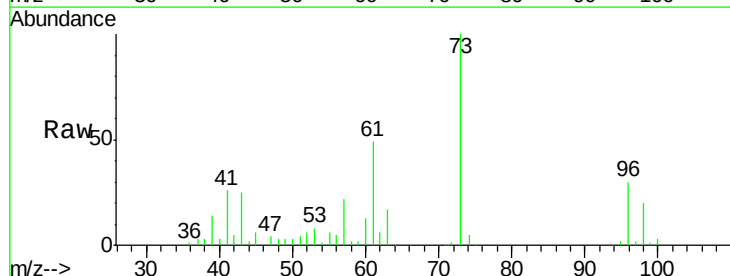
MMDadoda
11/11/2020 1:01:19 PM

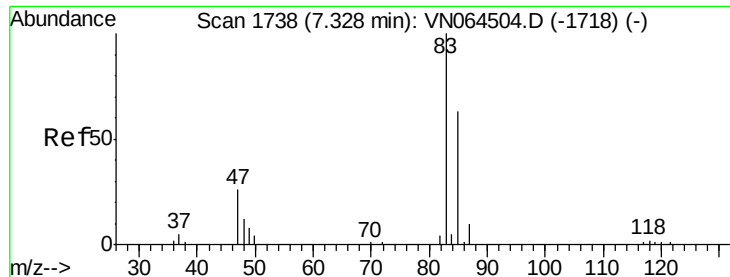


#24

Methyl tert-Butyl Ether
Concen: 20.524 ug/l
RT: 5.00 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VN064518.D
Acq: 10 Nov 2020 11:40

Tgt Ion	Ratio	Lower	Upper
73	100		
43	24.6	10.2	15.2





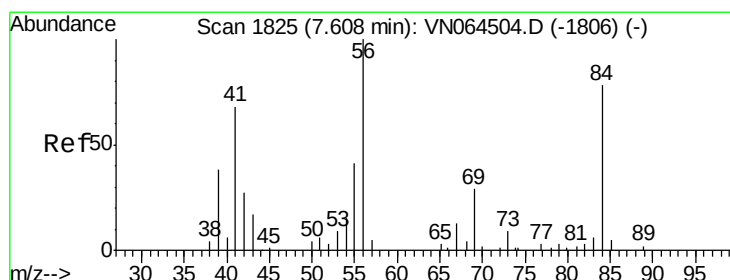
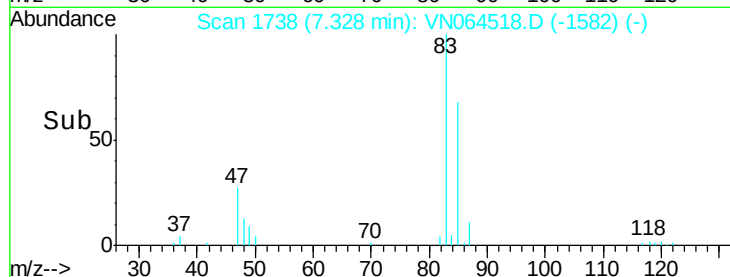
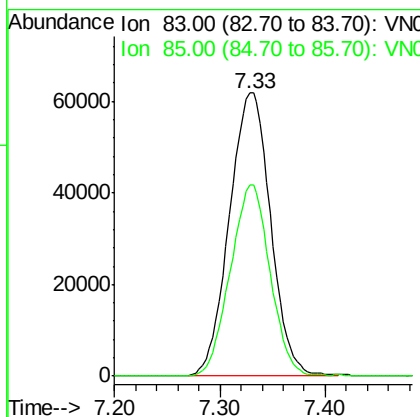
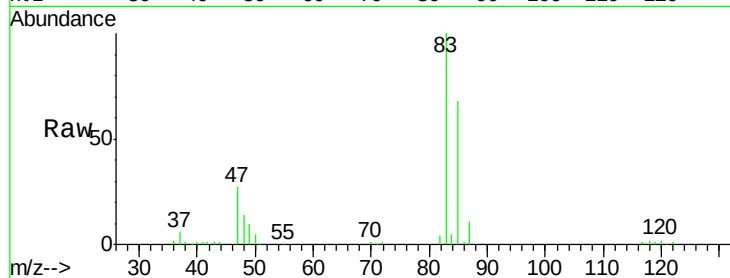
#25
Chloroform
Concen: 21.334 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN064518.D
Acq: 10 Nov 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	83	Resp	168186
Ion Ratio	100	Lower	Upper
83	100		
85	67.7	50.6	75.8

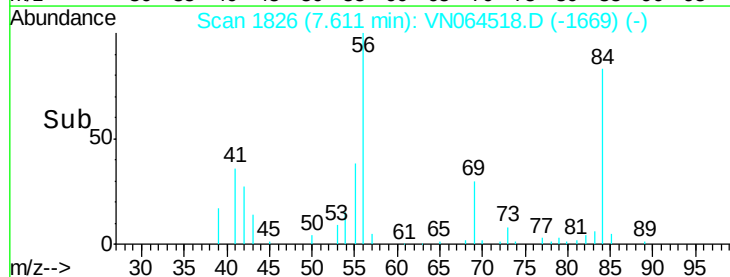
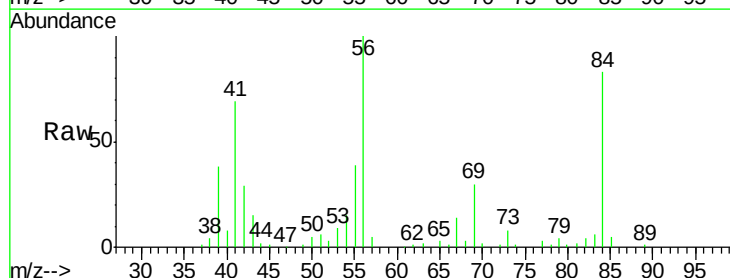
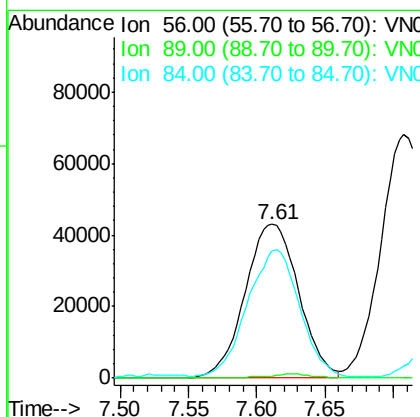
Manual Integrations
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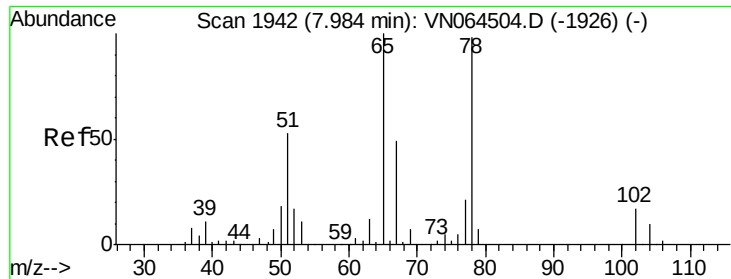
MMDadoda
11/11/2020 1:01:19 PM



#26
Cyclohexane
Concen: 20.336 ug/l
RT: 7.61 min Scan# 1826
Delta R.T. 0.00 min
Lab File: VN064518.D
Acq: 10 Nov 2020 11:40

Tgt Ion	56	Resp	117783
Ion Ratio	100	Lower	Upper
56	100		
89	2.1	0.6	0.8#
84	82.2	66.1	99.1





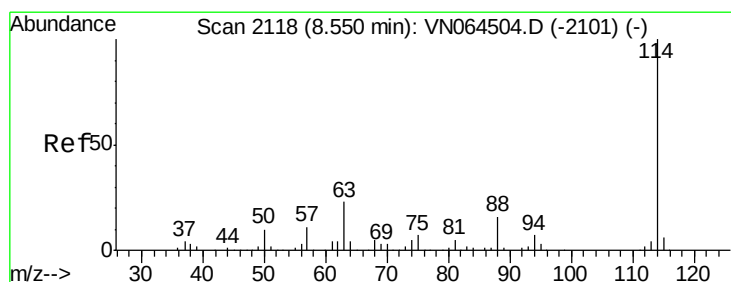
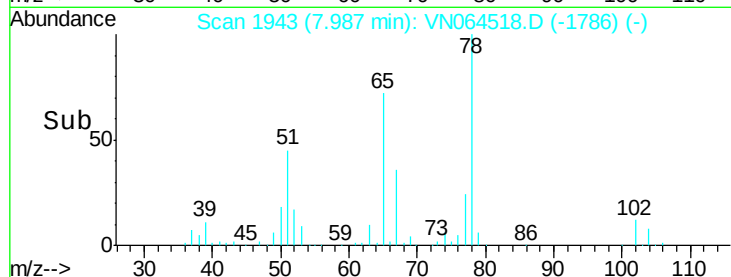
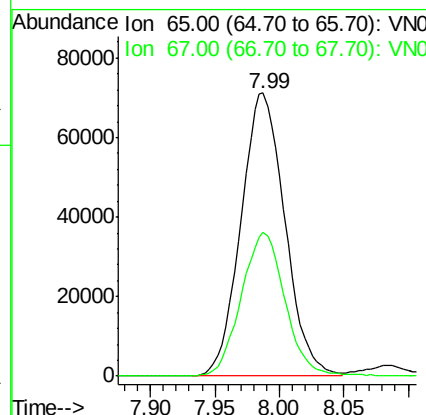
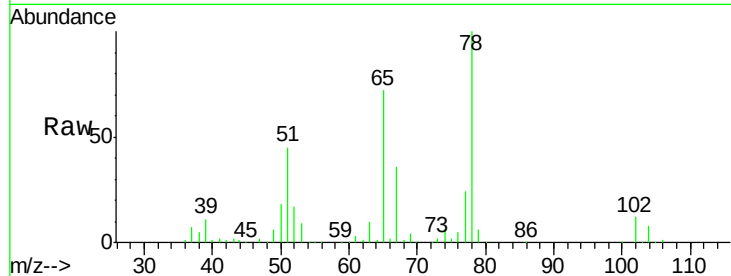
#27
 1,2-Dichloroethane-d4
 Concen: 30.911 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064518.D
 Acq: 10 Nov 2020 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.3	41.1	61.7

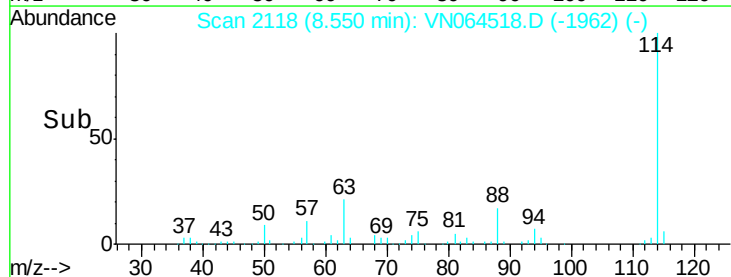
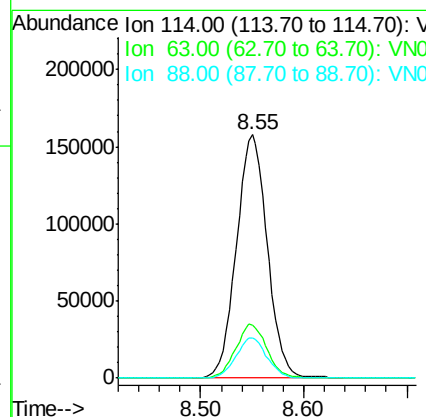
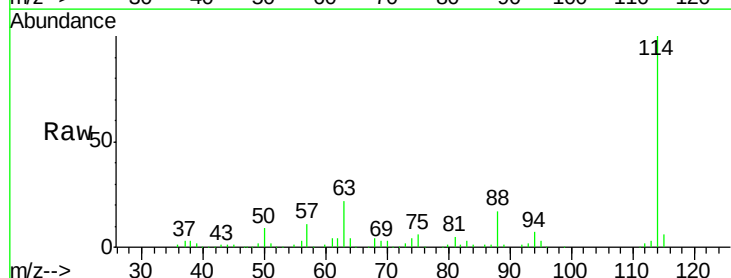
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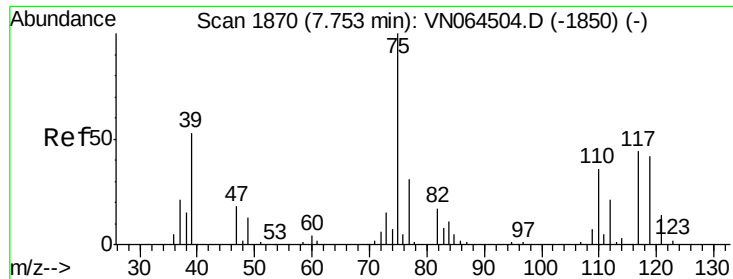
MMDadoda
 11/11/2020 1:01:19 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064518.D
 Acq: 10 Nov 2020 11:40

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.3	18.5	27.7
88	16.5	13.0	19.6





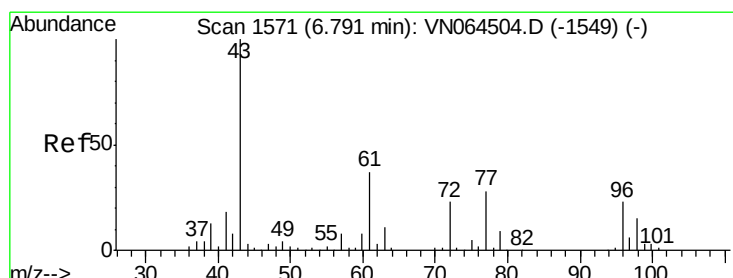
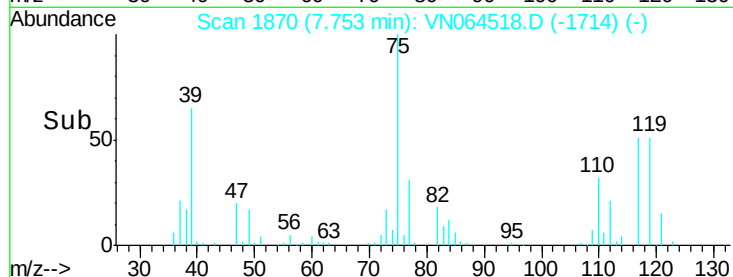
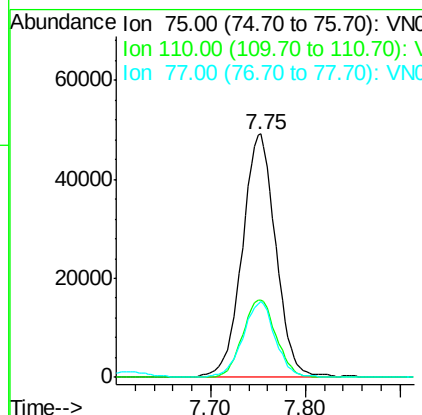
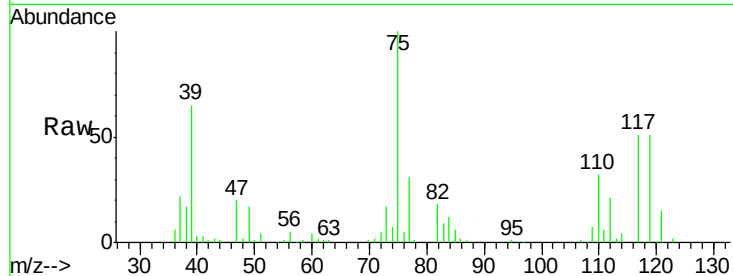
#29
 1,1-Dichloropropene
 Concen: 21.174 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VN064518.D
 Acq: 10 Nov 2020 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	31.6	0.0	66.4
77	29.8	0.0	62.0

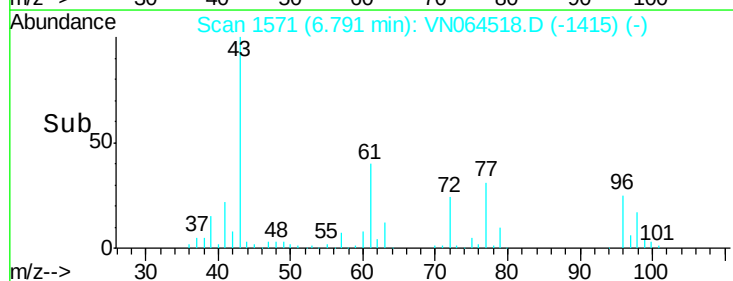
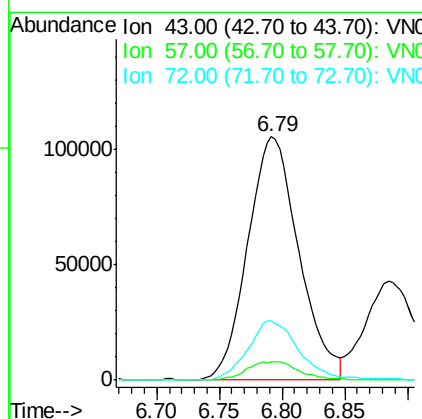
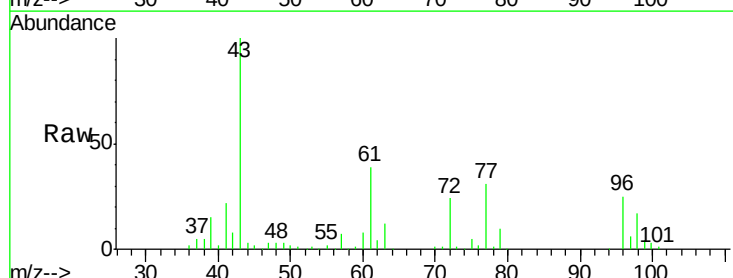
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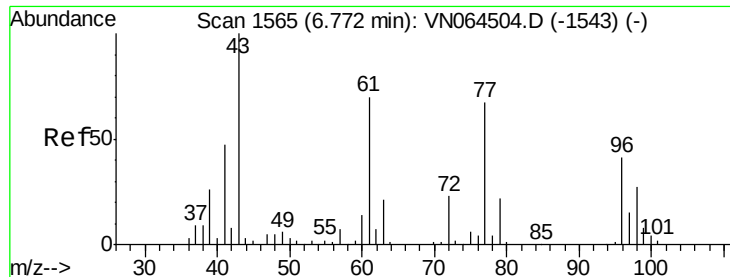
MMDadoda
 11/11/2020 1:01:19 PM



#30
 2-Butanone
 Concen: 105.429 ug/l
 RT: 6.79 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VN064518.D
 Acq: 10 Nov 2020 11:40

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	3.4	6.2	9.4#
72	24.5	9.9	14.9#





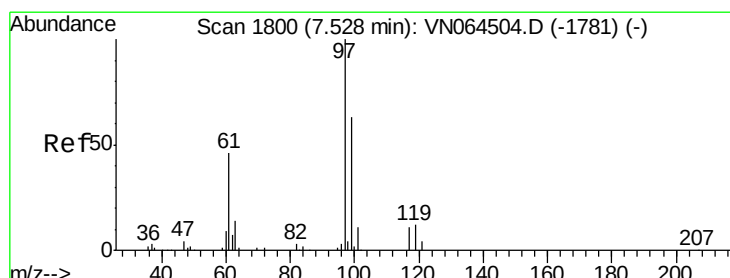
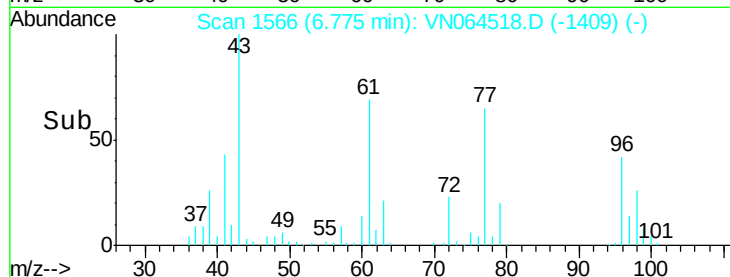
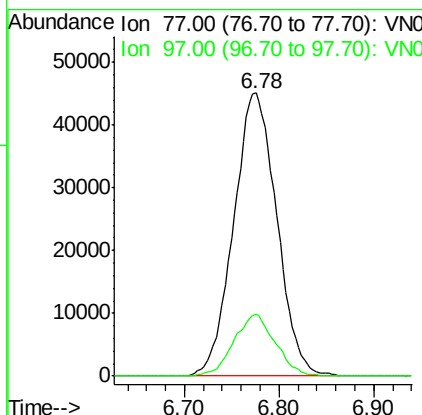
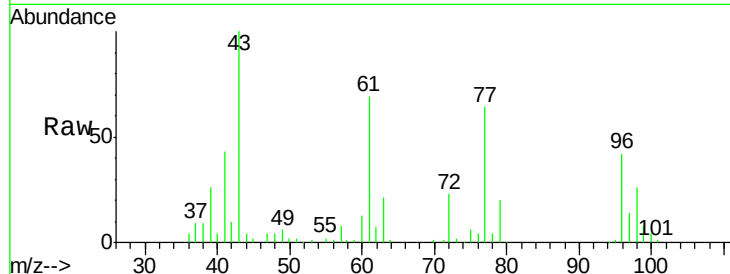
#31
 2,2-Dichloropropane
 Concen: 21.033 ug/l
 RT: 6.78 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: VN064518.D
 Acq: 10 Nov 2020 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion: 77 Resp: 142658
 Ion Ratio Lower Upper
 77 100
 97 21.0 16.9 25.3

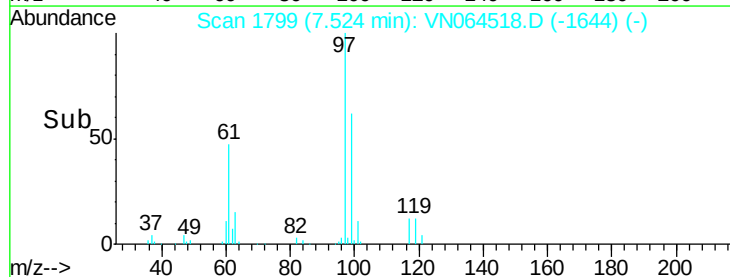
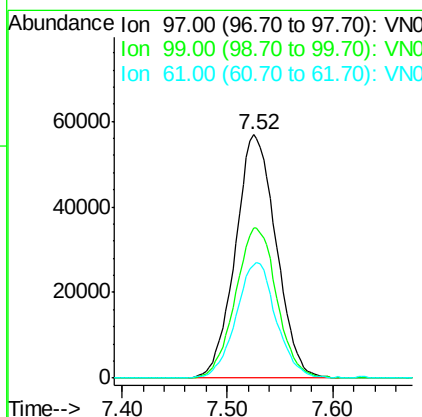
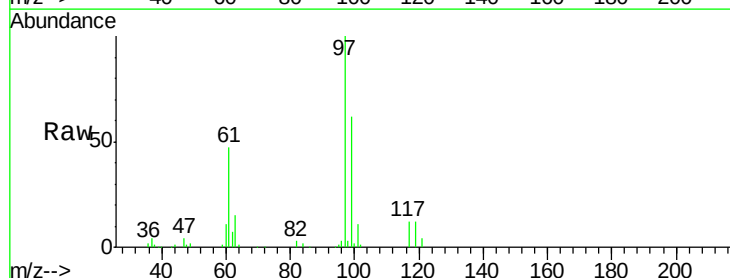
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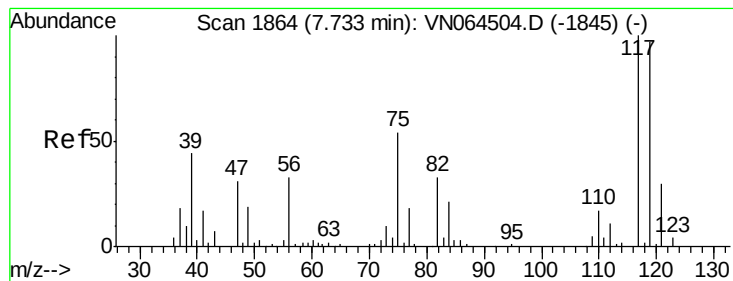
MMDadoda
 11/11/2020 1:01:19 PM



#32
 1,1,1-Trichloroethane
 Concen: 21.802 ug/l
 RT: 7.52 min Scan# 1799
 Delta R.T. -0.00 min
 Lab File: VN064518.D
 Acq: 10 Nov 2020 11:40

Tgt Ion: 97 Resp: 152700
 Ion Ratio Lower Upper
 97 100
 99 62.4 51.8 77.8
 61 46.5 39.4 59.0





#33

Carbon Tetrachloride

Concen: 21.093 ug/l

RT: 7.73 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VN064518.D

Acq: 10 Nov 2020 11:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion:117 Resp: 131932

Ion Ratio Lower Upper

117 100

119 98.1 77.9 116.9

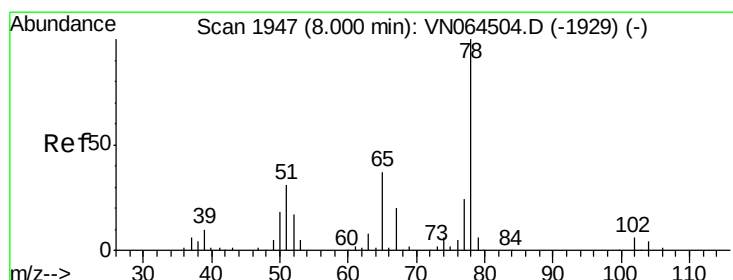
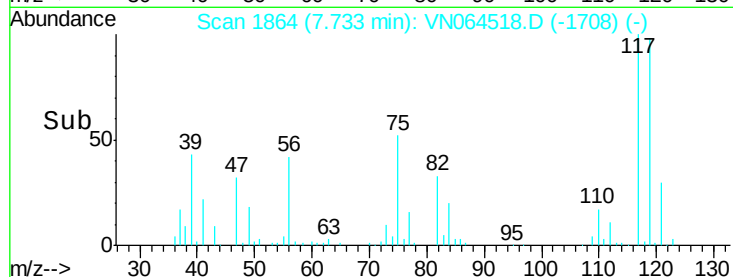
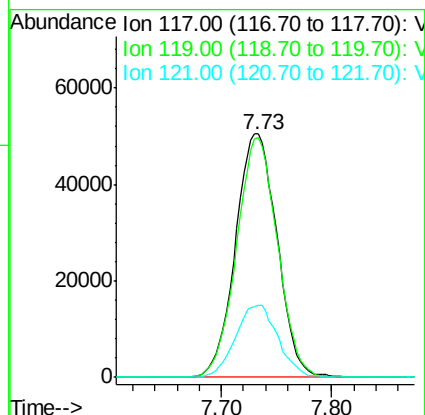
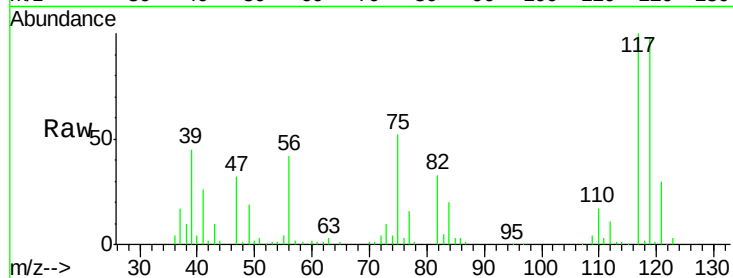
121 29.8 24.0 36.0

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#34

Benzene

Concen: 20.754 ug/l

RT: 8.00 min Scan# 1947

Delta R.T. 0.00 min

Lab File: VN064518.D

Acq: 10 Nov 2020 11:40

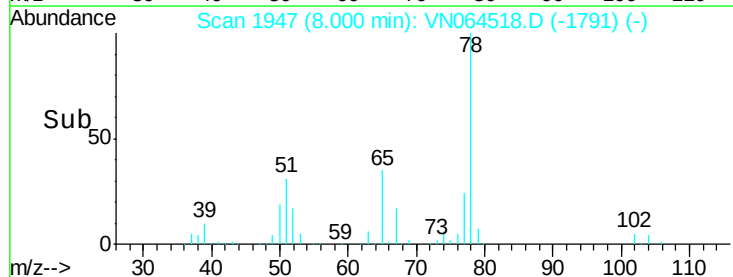
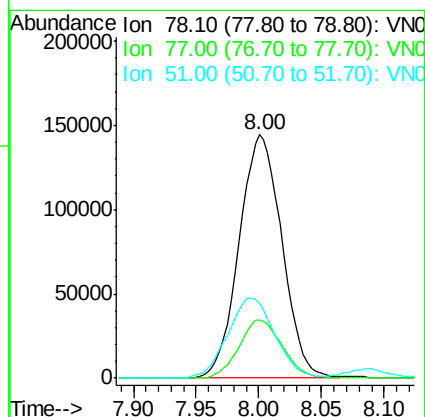
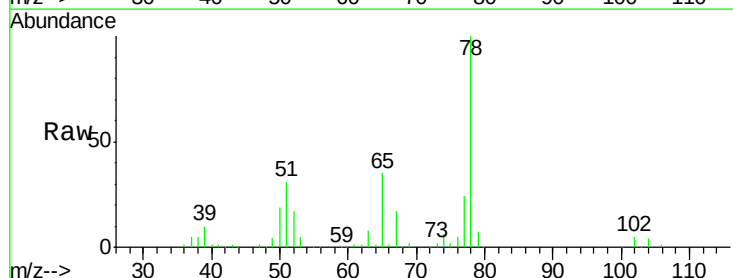
Tgt Ion: 78 Resp: 343136

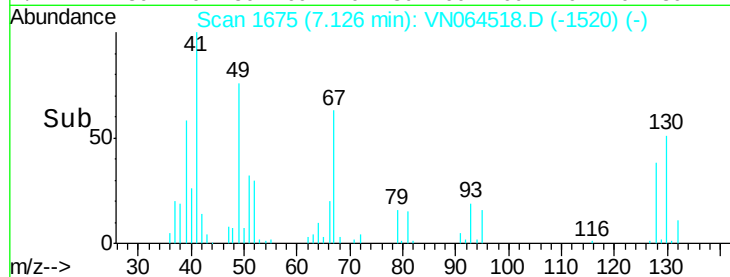
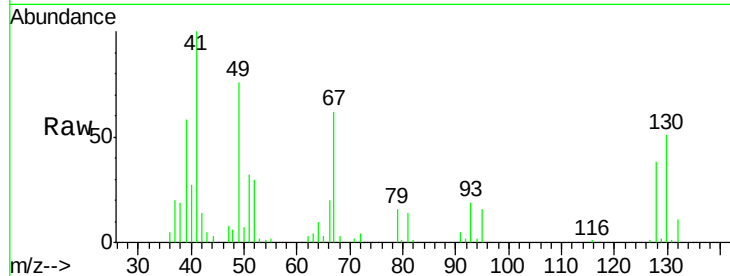
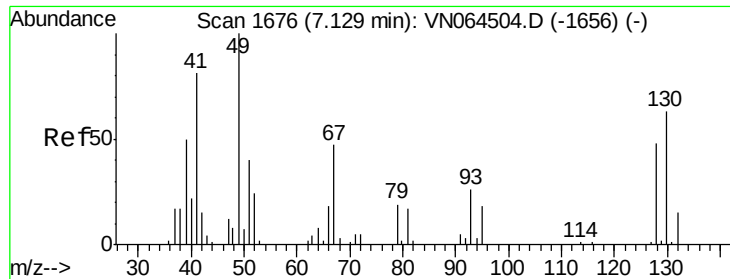
Ion Ratio Lower Upper

78 100

77 24.1 18.9 28.3

51 30.3 24.6 36.8





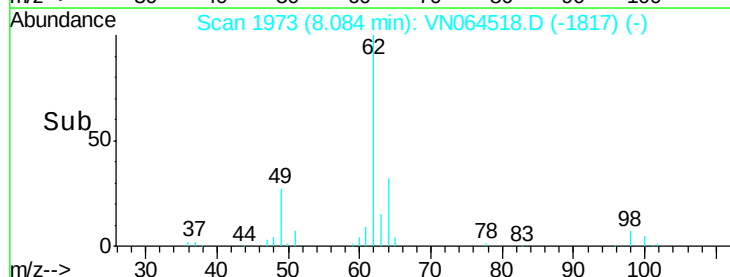
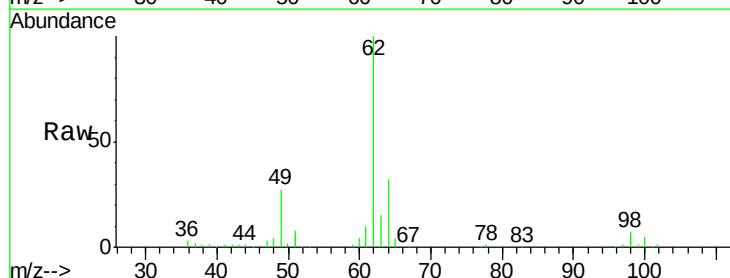
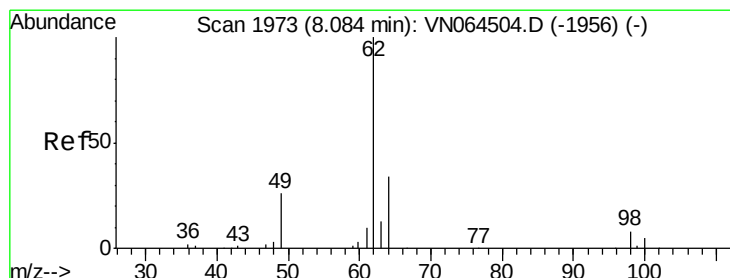
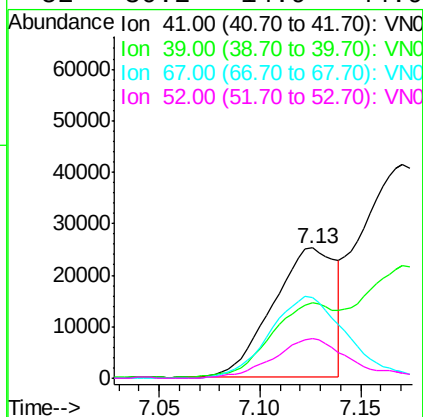
#35
Methacrylonitrile
Concen: 20.563 ug/l
RT: 7.13 min Scan# 1675
Delta R.T. -0.00 min
Lab File: VN064518.D
Acq: 10 Nov 2020 11:40

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	57.2	30.0	90.1	
67	62.5	29.2	87.6	
52	30.2	14.9	44.9	

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

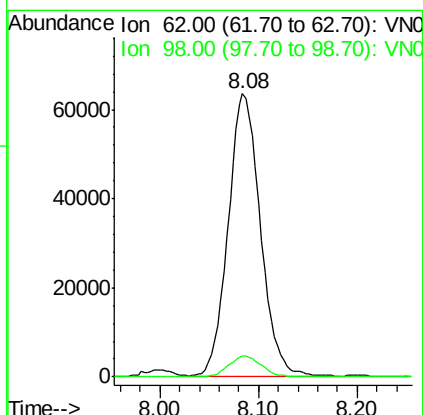
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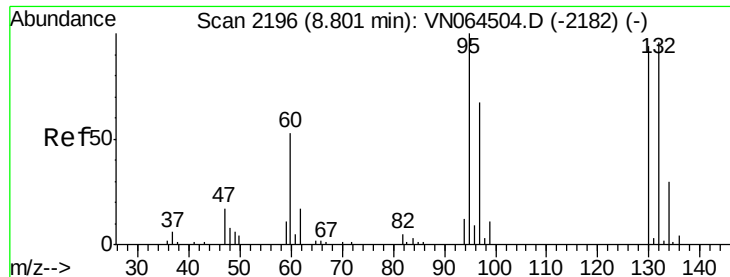
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#36
1,2-Dichloroethane
Concen: 21.269 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN064518.D
Acq: 10 Nov 2020 11:40

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.5	5.5	8.3	





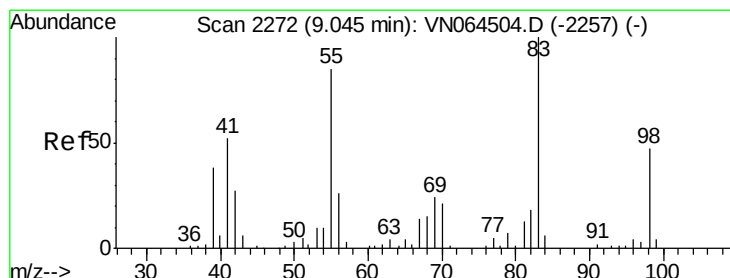
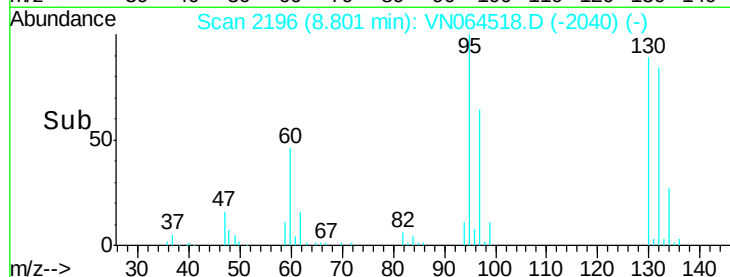
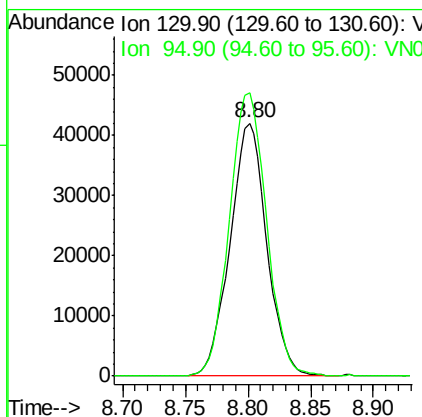
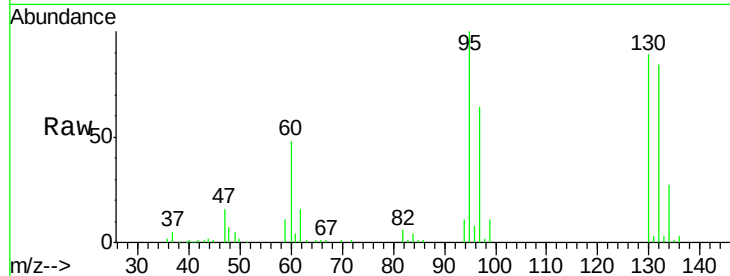
#37
 Trichloroethene
 Concen: 20.481 ug/l
 RT: 8.80 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN064518.D
 Acq: 10 Nov 2020 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion:130 Resp: 85617
 Ion Ratio Lower Upper
 130 100
 95 111.8 85.1 127.7

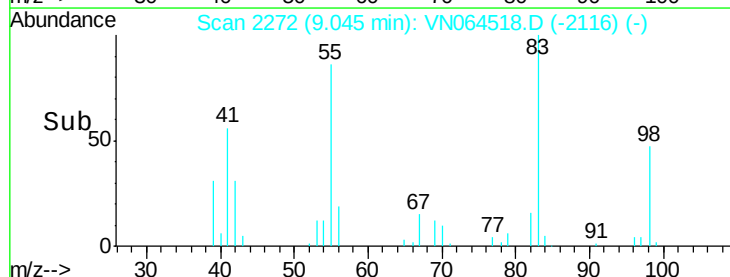
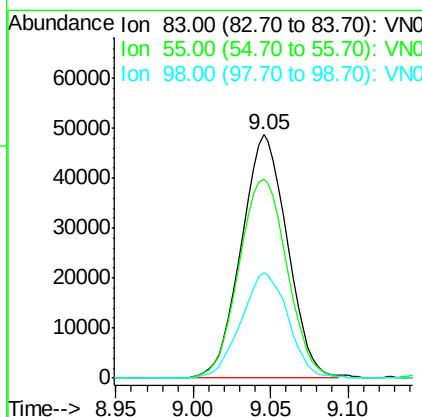
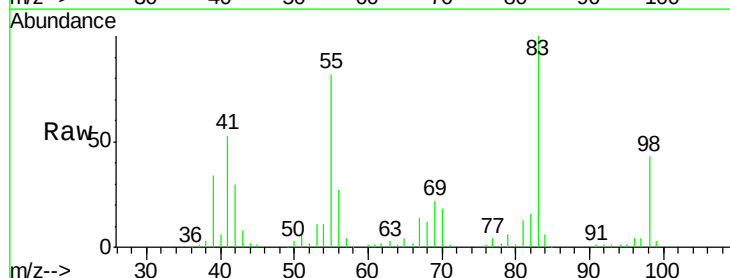
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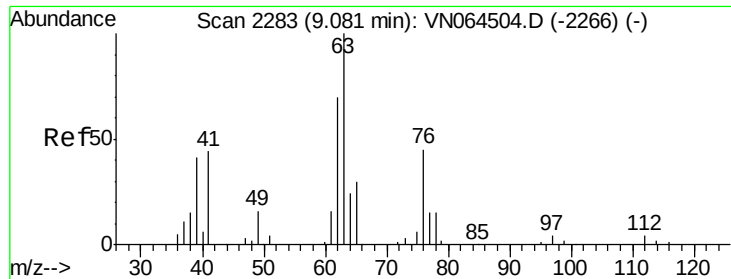
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#38
 Methylcyclohexane
 Concen: 19.494 ug/l
 RT: 9.05 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VN064518.D
 Acq: 10 Nov 2020 11:40

Tgt Ion: 83 Resp: 100682
 Ion Ratio Lower Upper
 83 100
 55 85.7 42.0 126.1
 98 44.5 22.5 67.5





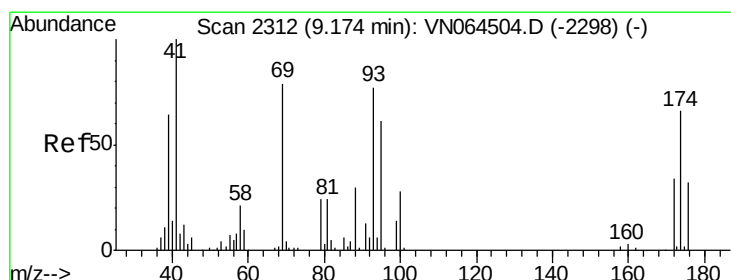
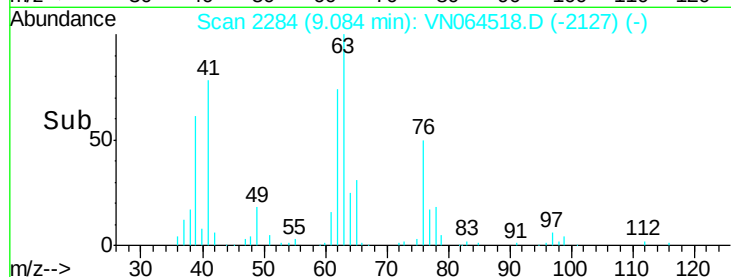
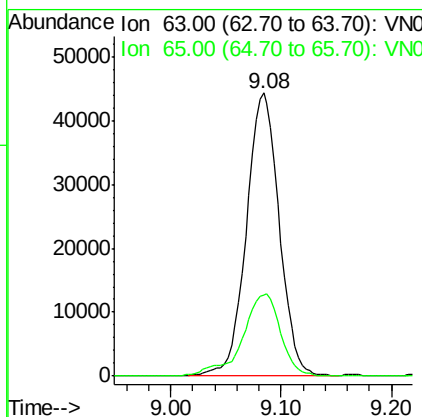
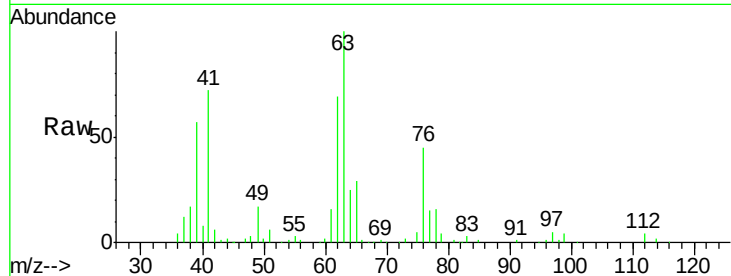
#39
 1,2-Dichloropropane
 Concen: 20.595 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN064518.D
 Acq: 10 Nov 2020 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion: 63 Resp: 91491
 Ion Ratio Lower Upper
 63 100
 65 28.8 24.4 36.6

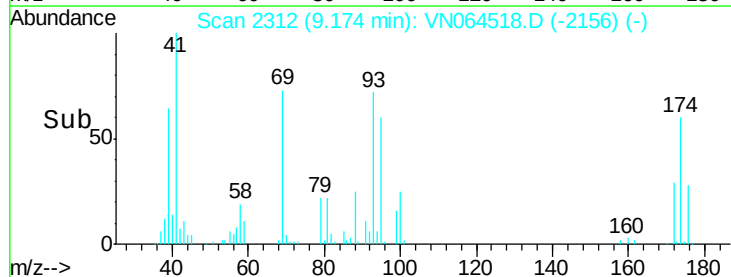
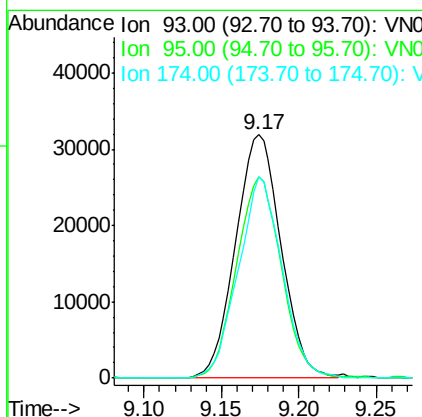
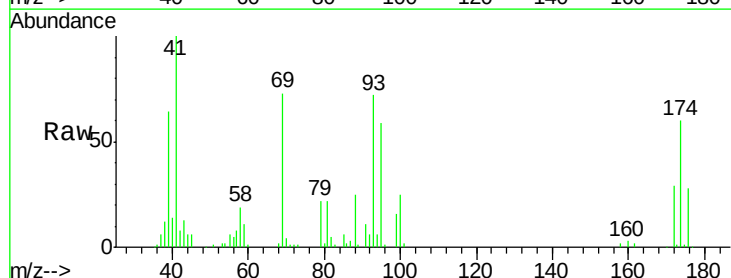
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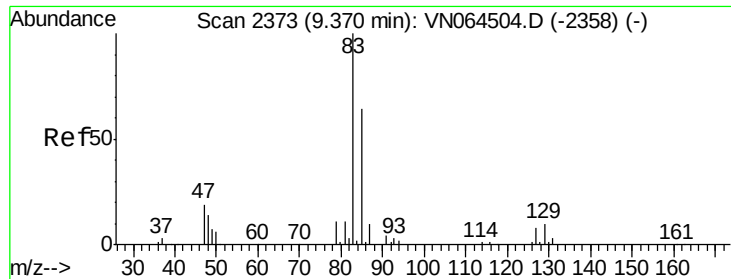
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#40
 Dibromomethane
 Concen: 21.775 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN064518.D
 Acq: 10 Nov 2020 11:40

Tgt Ion: 93 Resp: 65259
 Ion Ratio Lower Upper
 93 100
 95 81.5 0.0 164.6
 174 79.4 0.0 165.6





#41

Bromodichloromethane

Concen: 20.910 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN064518.D

Acq: 10 Nov 2020 11:40

Instrument :

MSVOA_N

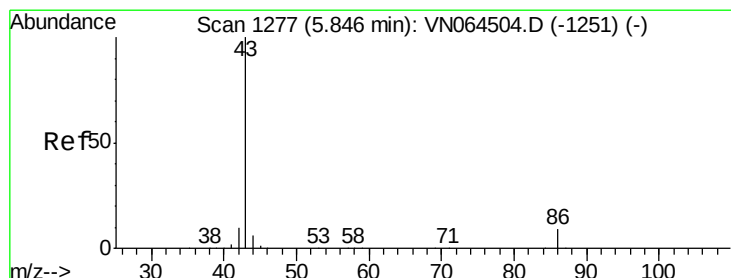
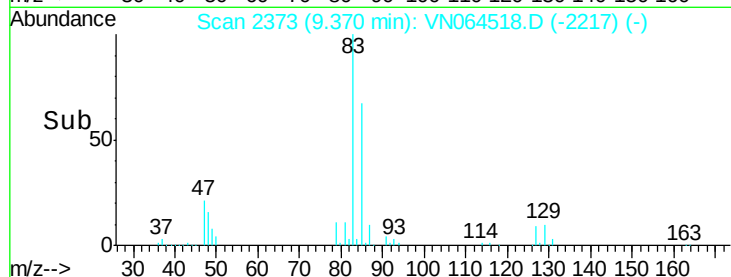
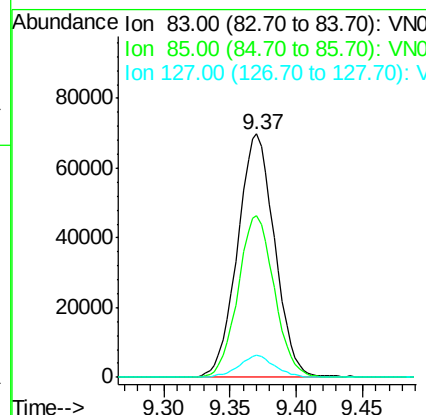
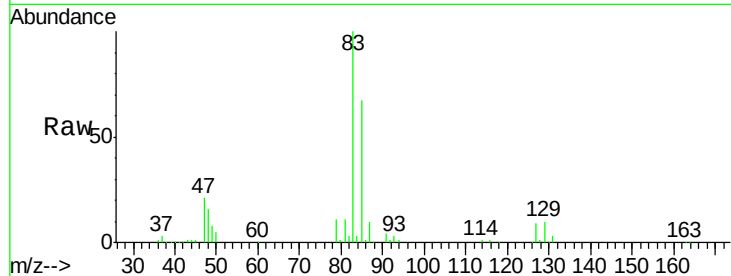
ClientSampleId :

VSTDCCC020

Tot Ion:	83	Resp:	135817
Ion Ratio	Lower	Upper	
83	100		
85	66.5	51.0	76.4
127	8.9	6.2	9.4

Manual Integrations
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#42

Vinyl Acetate

Concen: 103.005 ug/l

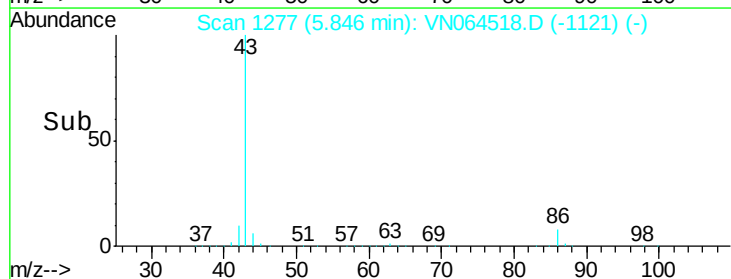
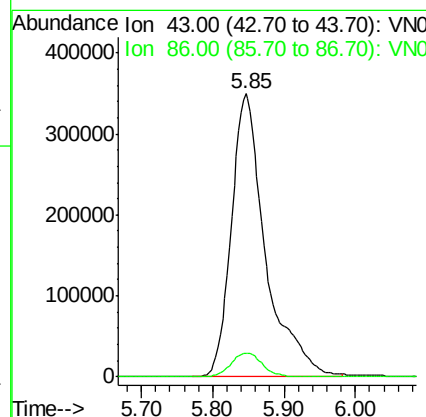
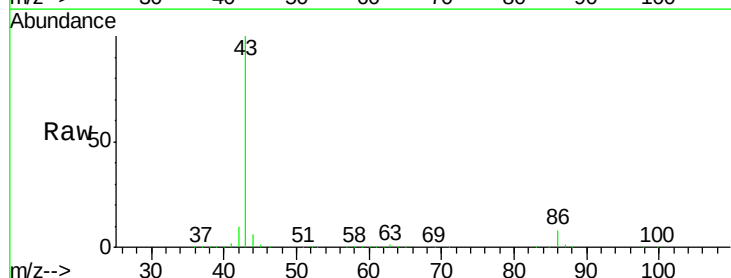
RT: 5.85 min Scan# 1277

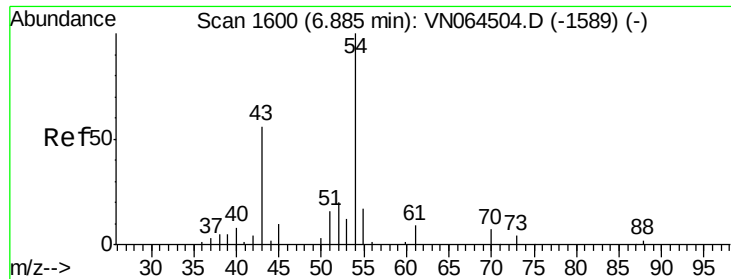
Delta R.T. 0.00 min

Lab File: VN064518.D

Acq: 10 Nov 2020 11:40

Tgt Ion:	43	Resp:	1165581
Ion Ratio	Lower	Upper	
43	100		
86	7.7	6.3	9.5





#43

Ethyl Acetate

Concen: 21.714 ug/l

RT: 6.88 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VN064518.D

Acq: 10 Nov 2020 11:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 43 Resp: 119427

Ion Ratio Lower Upper

43 100

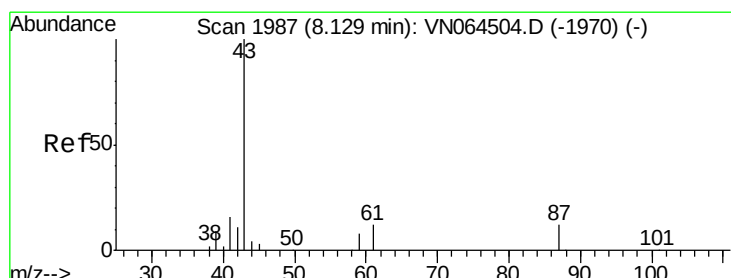
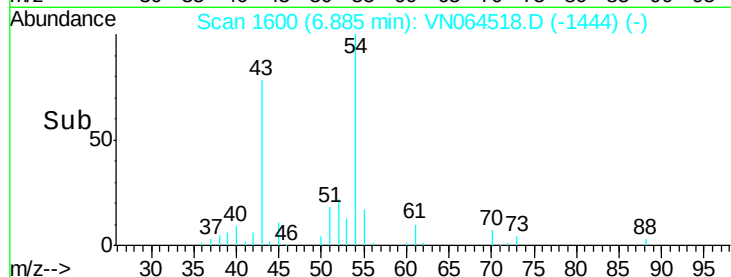
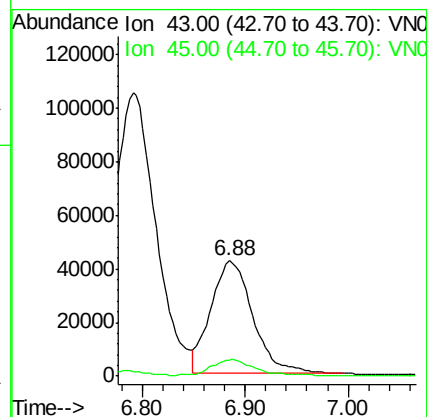
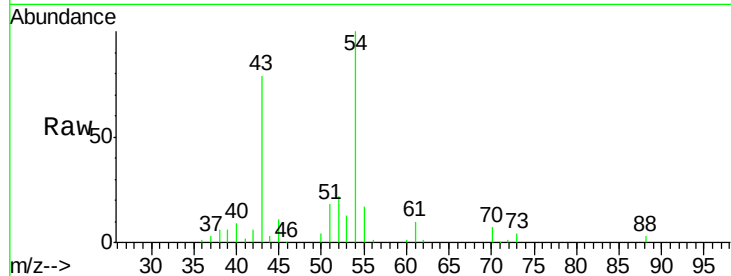
45 12.8 10.9 16.3

Manual Integrations

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#44

Isopropyl Acetate

Concen: 20.641 ug/l

RT: 8.13 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN064518.D

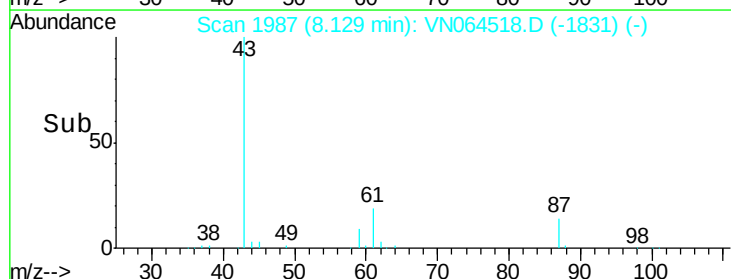
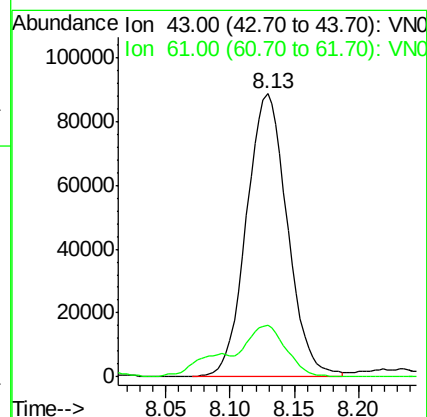
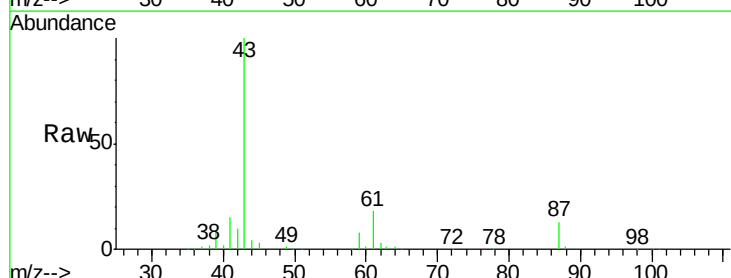
Acq: 10 Nov 2020 11:40

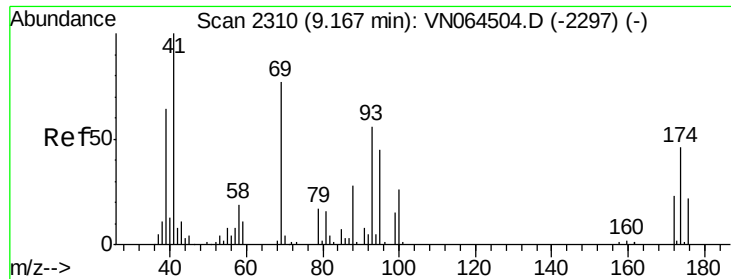
Tgt Ion: 43 Resp: 195970

Ion Ratio Lower Upper

43 100

61 17.9 13.0 19.4





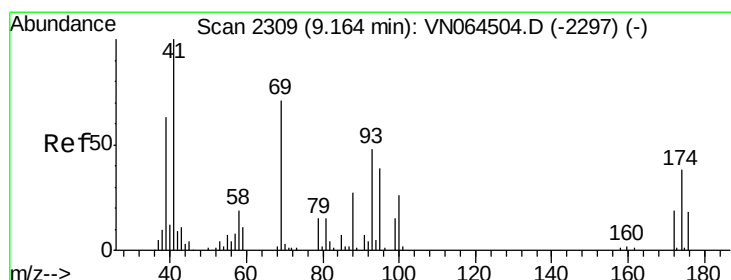
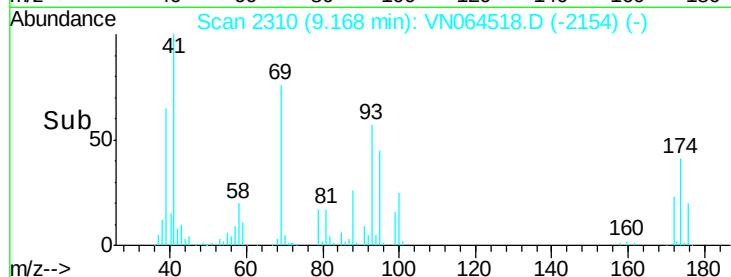
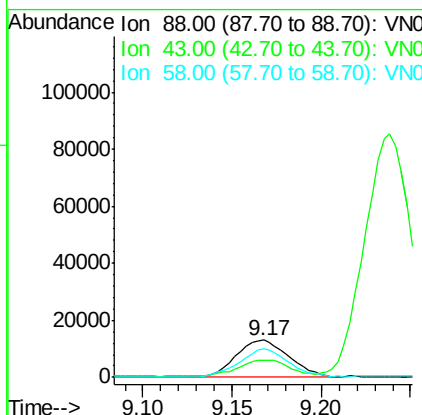
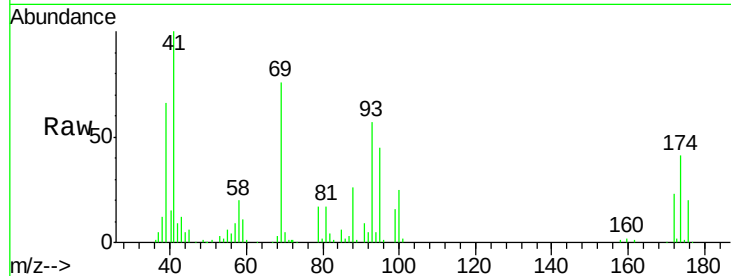
#45
1,4-Dioxane
Concen: 406.853 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN064518.D
Acq: 10 Nov 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.9	30.6	46.0
58	72.6	57.9	86.9

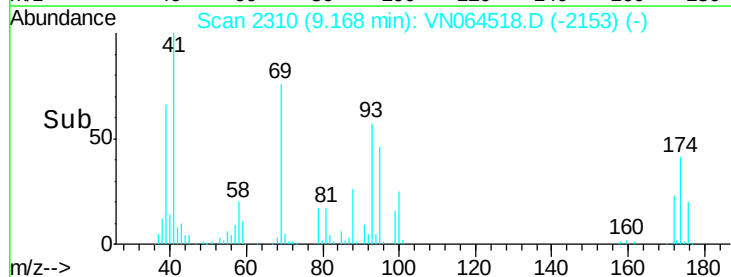
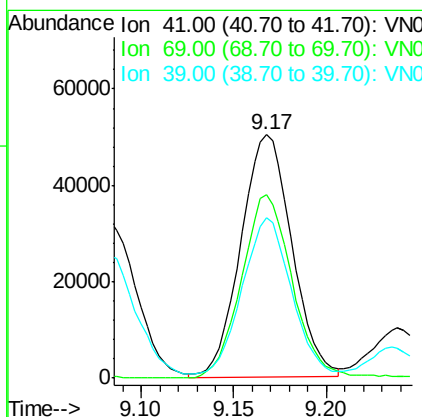
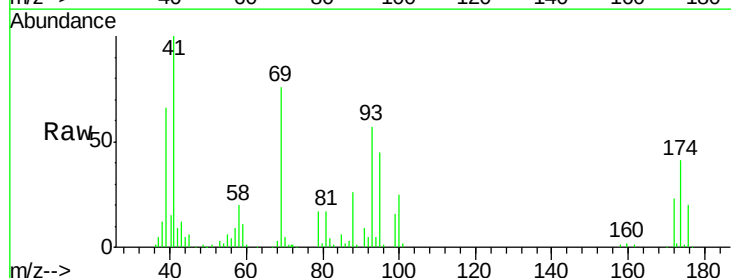
Manual Integrations
APPROVED

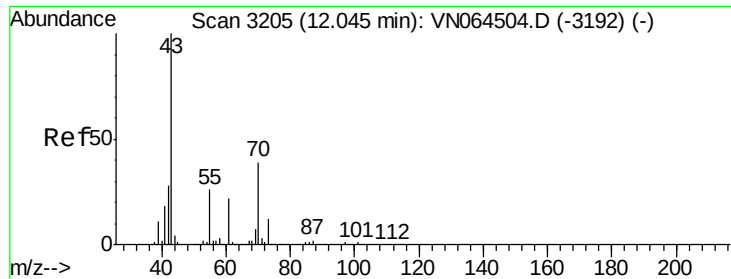
MMDadoda
11/11/2020 1:01:19 PM



#46
Methyl methacrylate
Concen: 20.432 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN064518.D
Acq: 10 Nov 2020 11:40

Tgt Ion	Ratio	Lower	Upper
41	100		
69	76.8	35.4	106.2
39	65.2	31.6	94.7





#47

n-amvl Acetate

Concen: 19.866 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN064518.D

Acq: 10 Nov 2020 11:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 43 Resp: 163161

Ion Ratio Lower Upper

43 100

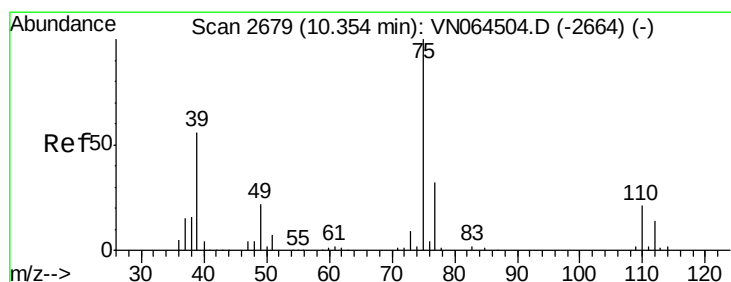
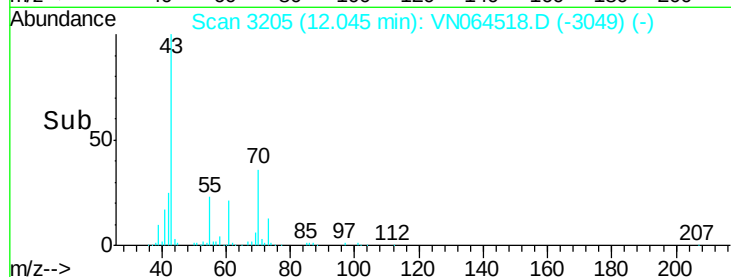
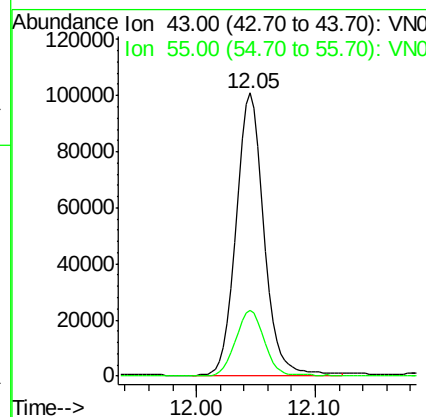
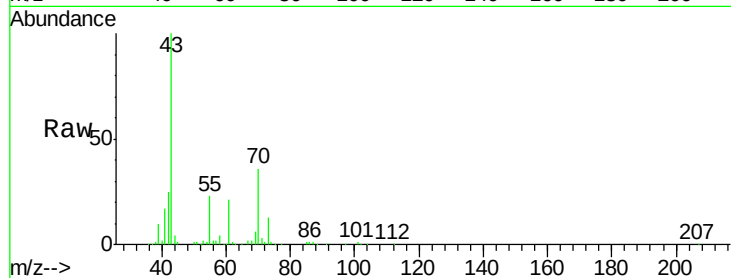
55 24.1 19.2 28.8

Manual Integrations

APPROVED

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11/11/2020 1:01:19 PM



#48

t-1,3-Dichloropropene

Concen: 20.349 ug/l

RT: 10.35 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VN064518.D

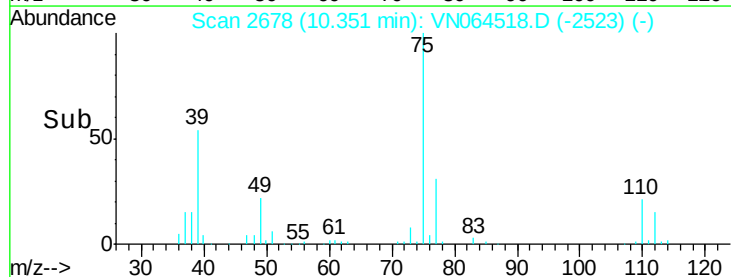
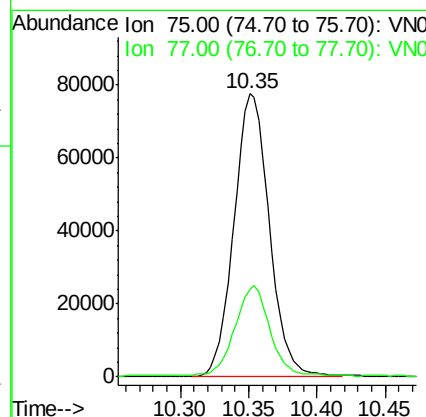
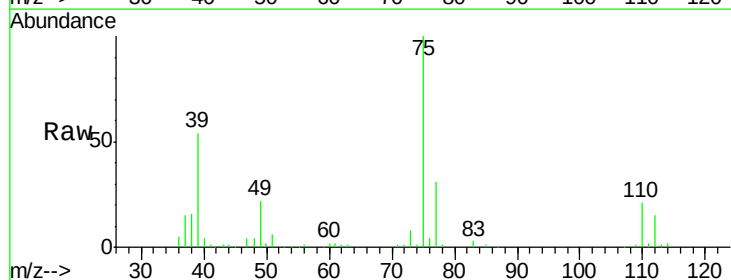
Acq: 10 Nov 2020 11:40

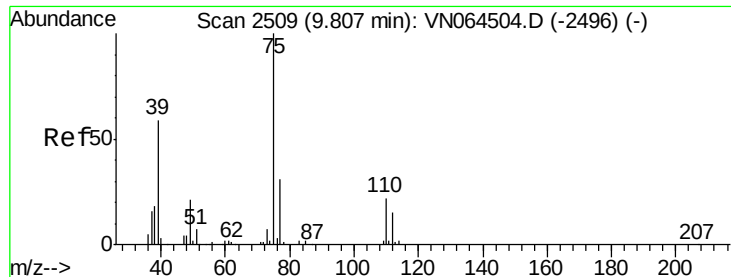
Tgt Ion: 75 Resp: 140070

Ion Ratio Lower Upper

75 100

77 30.4 25.8 38.6





#49

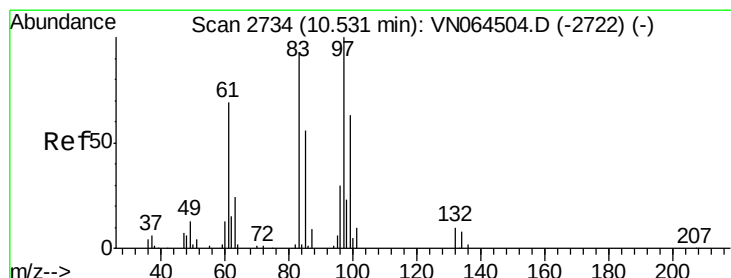
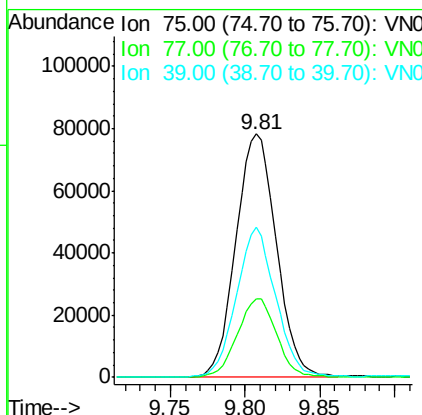
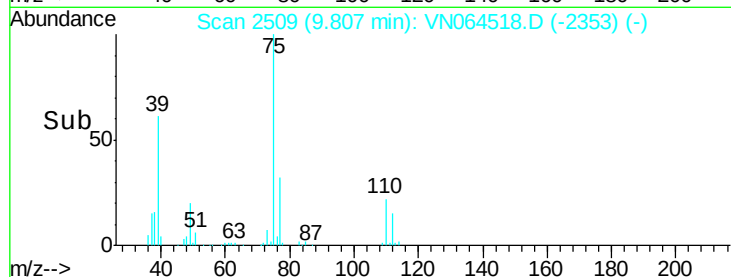
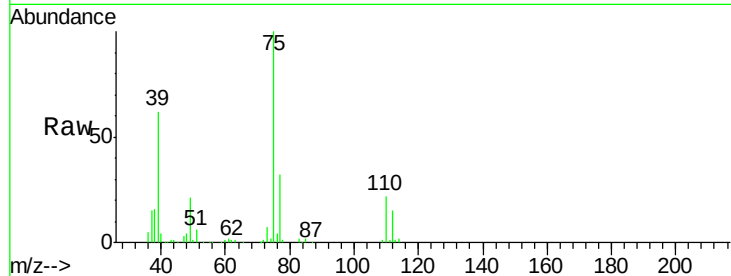
cis-1,3-Dichloropropene
Concen: 20.403 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN064518.D
Acq: 10 Nov 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.4	24.8	37.2
39	61.2	47.4	71.0

Manual Integrations
APPROVED

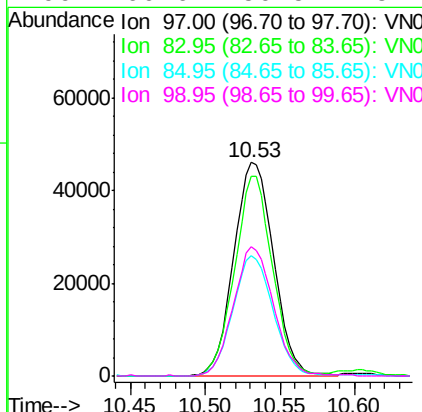
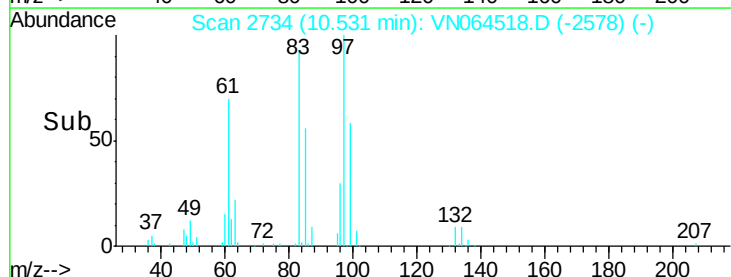
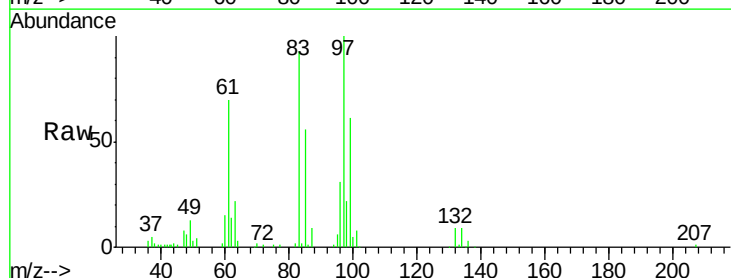
MMDadoda
11/11/2020 1:01:19 PM

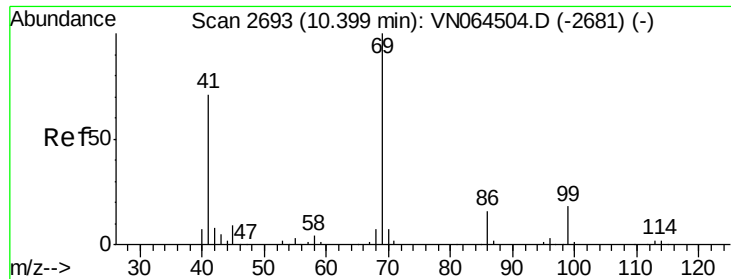


#50

1,1,2-Trichloroethane
Concen: 20.835 ug/l
RT: 10.53 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VN064518.D
Acq: 10 Nov 2020 11:40

Tgt Ion	Ratio	Lower	Upper
97	100		
83	93.5	74.2	111.4
85	56.4	44.8	67.2
99	60.6	50.5	75.7





#51

Ethyl methacrylate

Concen: 20.013 ug/l

RT: 10.40 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN064518.D

Acq: 10 Nov 2020 11:40

Instrument :

MSVOA_N

ClientSampleId :

VSTCCCC020

Tot Ion: 69 Resp: 117836

Ion Ratio Lower Upper

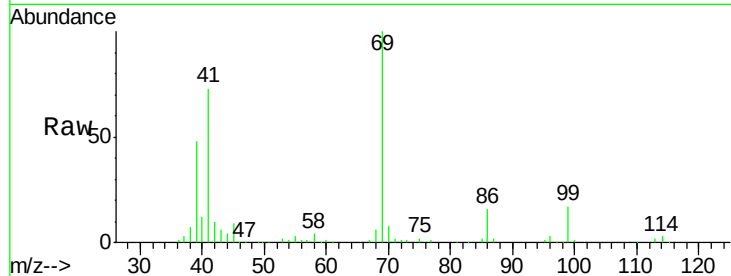
69 100

41 72.5 35.4 106.1

39 47.4 24.1 72.2

Manual Integrations
APPROVED

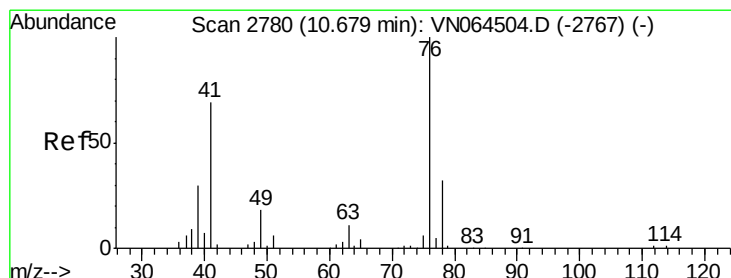
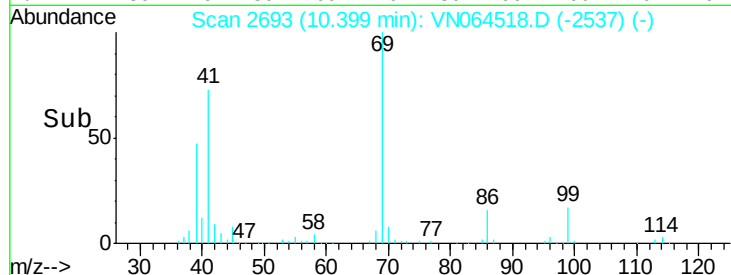
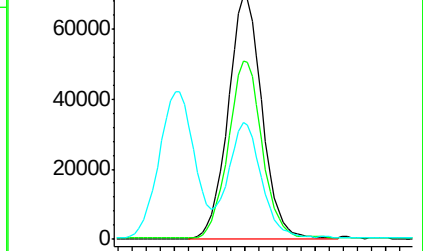
MMDadoda
11/11/2020 1:01:19 PM



Abundance Ion 69.00 (68.70 to 69.70): VN064518.D (-2537) (-)

Ion 41.00 (40.70 to 41.70): VN064518.D (-2537) (-)

Ion 39.00 (38.70 to 39.70): VN064518.D (-2537) (-)



#52

1,3-Dichloropropane

Concen: 20.895 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. 0.00 min

Lab File: VN064518.D

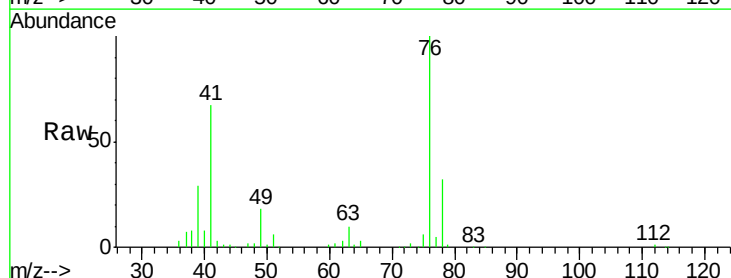
Acq: 10 Nov 2020 11:40

Tgt Ion: 76 Resp: 147494

Ion Ratio Lower Upper

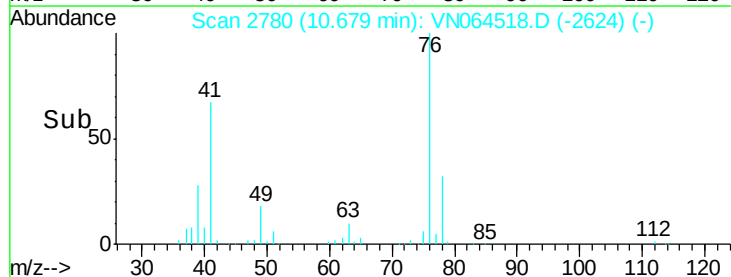
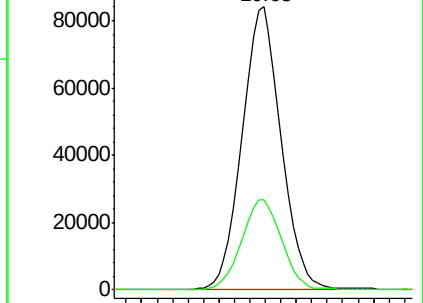
76 100

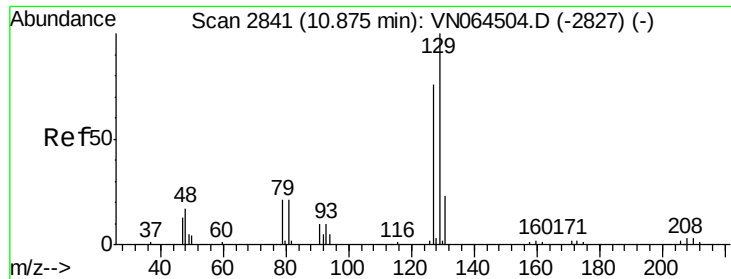
78 32.6 0.0 65.2



Abundance Ion 76.00 (75.70 to 76.70): VN064518.D (-2624) (-)

Ion 78.00 (77.70 to 78.70): VN064518.D (-2624) (-)





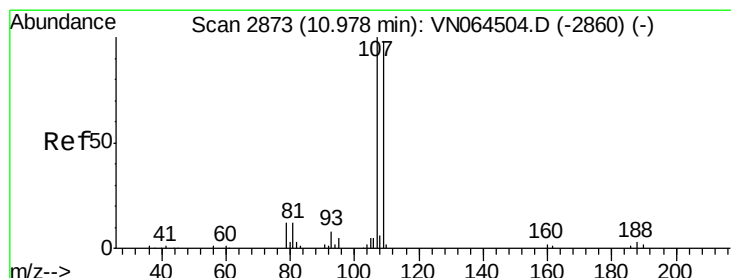
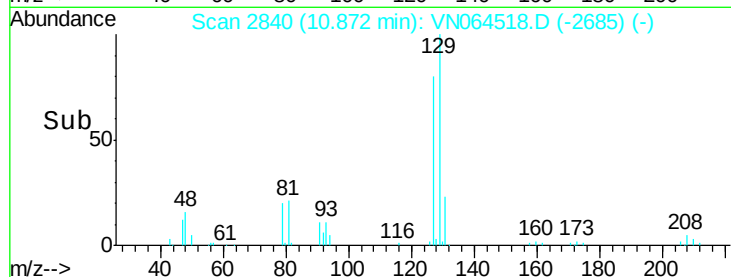
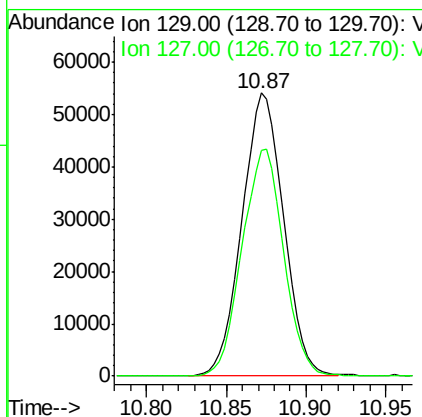
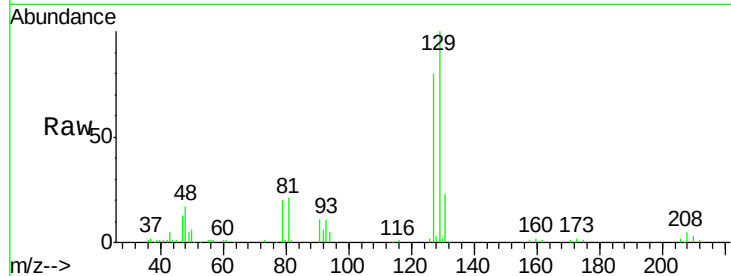
#53
Dibromochloromethane
Concen: 20.482 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064518.D
Acq: 10 Nov 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion:129 Resp: 96380
Ion Ratio Lower Upper
129 100
127 80.0 39.1 117.2

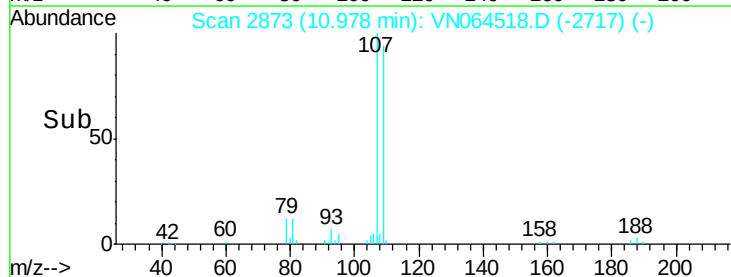
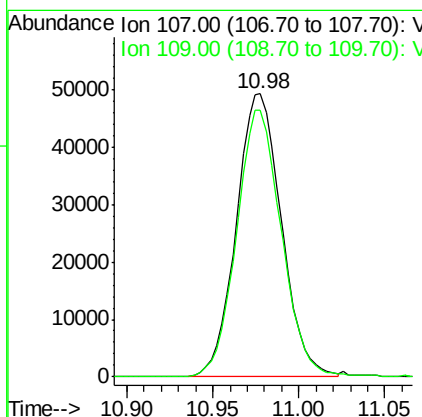
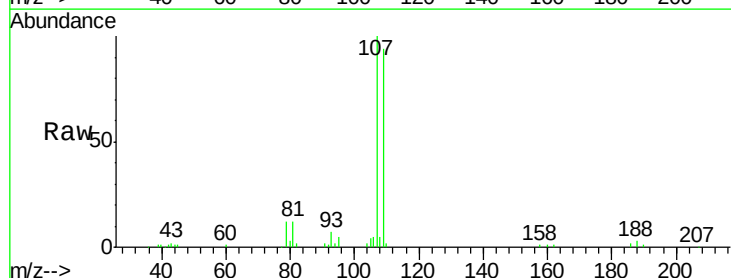
Manual Integrations
APPROVED

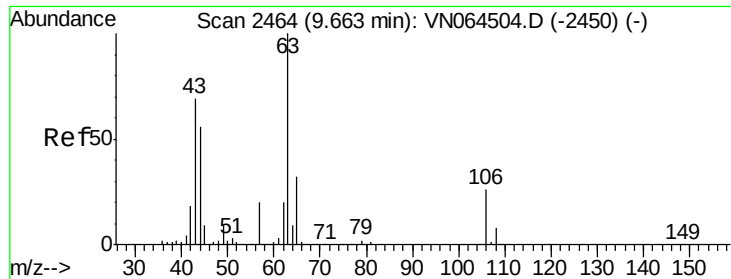
MMDadoda
11/11/2020 1:01:19 PM



#54
1,2-Dibromoethane
Concen: 21.332 ug/l
RT: 10.98 min Scan# 2873
Delta R.T. 0.00 min
Lab File: VN064518.D
Acq: 10 Nov 2020 11:40

Tgt Ion:107 Resp: 89653
Ion Ratio Lower Upper
107 100
109 93.7 77.2 115.8





#55

2-Chloroethyl vinyl ether

Concen: 88.598 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN064518.D

Acq: 10 Nov 2020 11:40

Instrument :

MSVOA_N

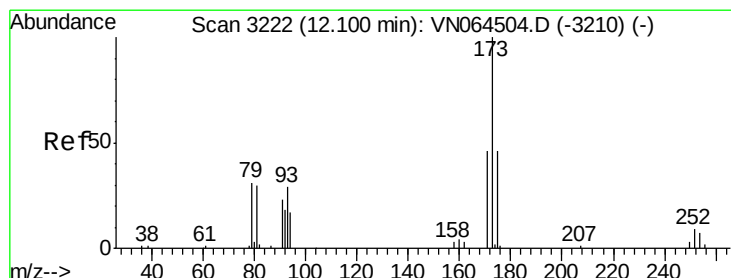
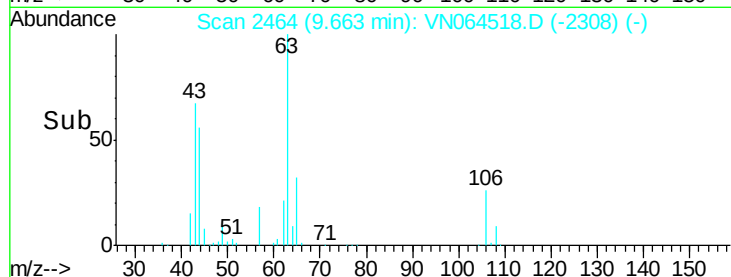
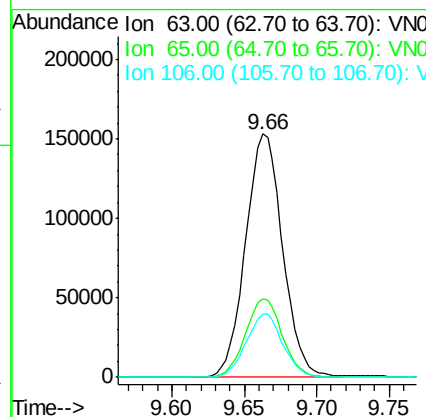
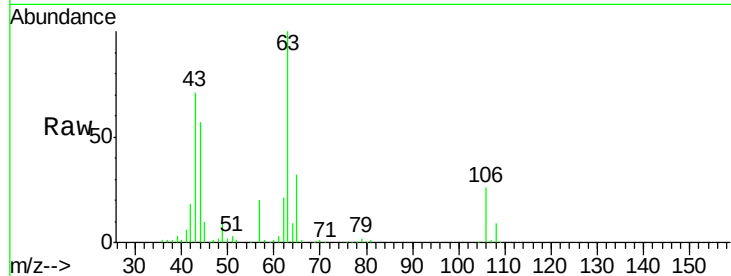
ClientSampleId :

VSTDCCC020

Tot Ion:	63	Resp:	272994
Ion	Ratio	Lower	Upper
63	100		
65	32.0	25.7	38.5
106	25.7	19.9	29.9

Manual Integrations
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11/11/2020 1:01:19 PM



#56

Bromoform

Concen: 20.210 ug/l

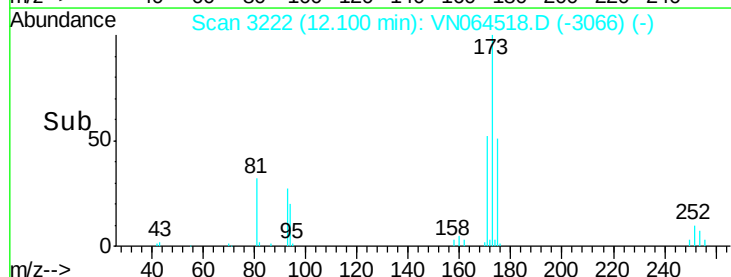
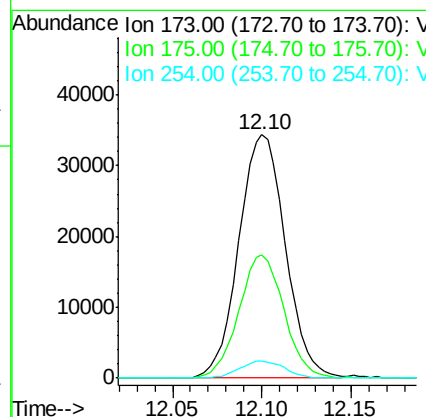
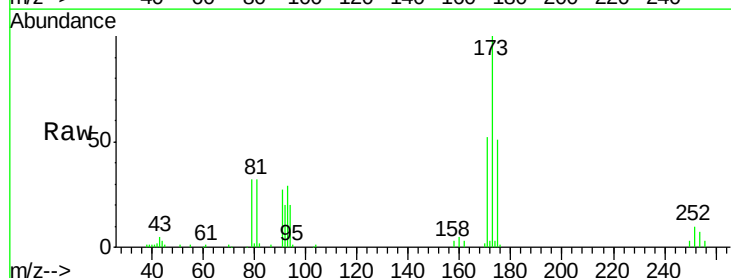
RT: 12.10 min Scan# 3222

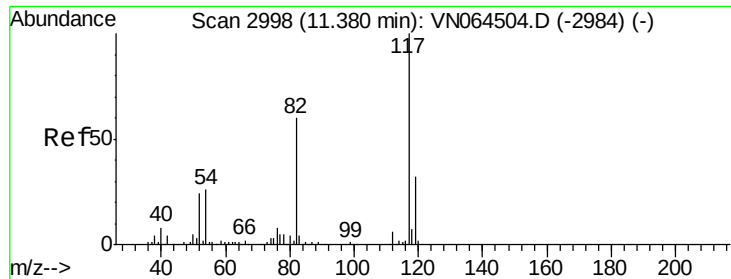
Delta R.T. 0.00 min

Lab File: VN064518.D

Acq: 10 Nov 2020 11:40

Tgt Ion:	173	Resp:	62409
Ion	Ratio	Lower	Upper
173	100		
175	48.9	37.1	55.7
254	6.7	5.4	8.2





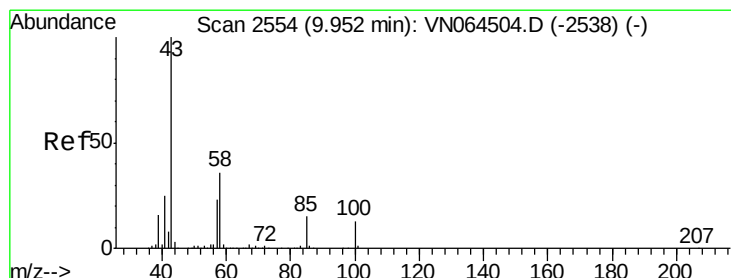
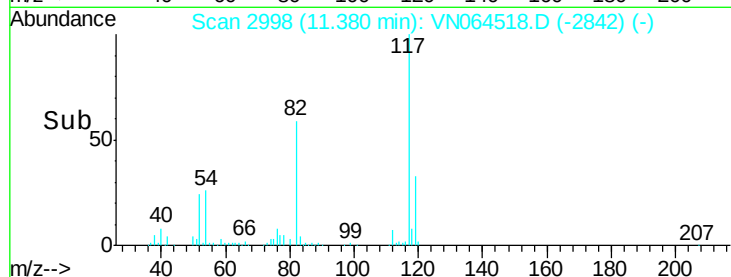
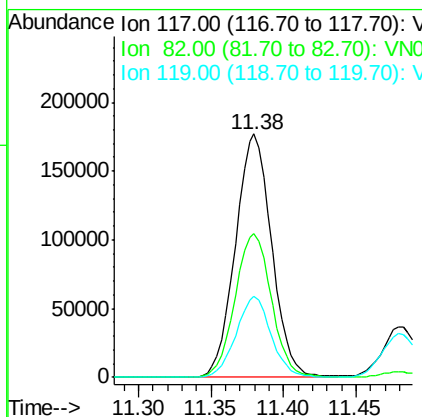
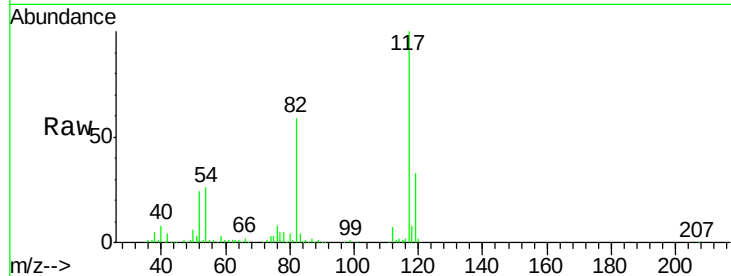
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064518.D
Acq: 10 Nov 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.4	47.8	71.8
119	32.1	25.7	38.5

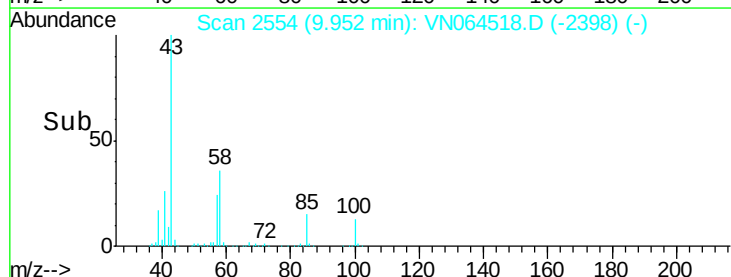
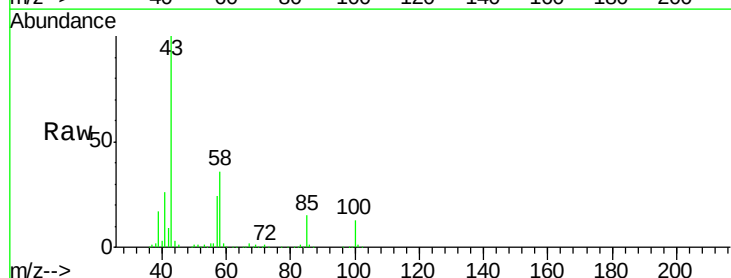
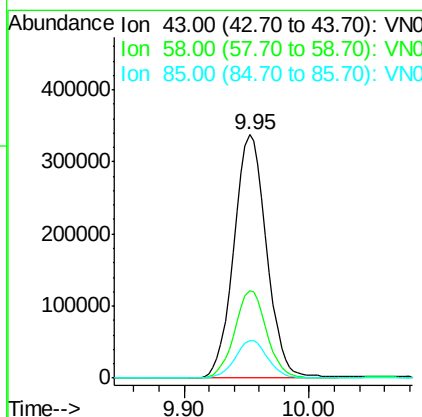
Manual Integrations
APPROVED

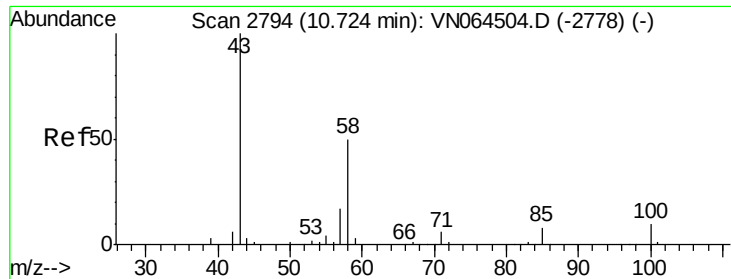
MMDadoda
11/11/2020 1:01:19 PM



#58
4-Methyl-2-Pentanone
Concen: 107.923 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN064518.D
Acq: 10 Nov 2020 11:40

Tgt Ion	Ratio	Lower	Upper
43	100		
58	35.2	28.8	43.2
85	15.5	12.3	18.5





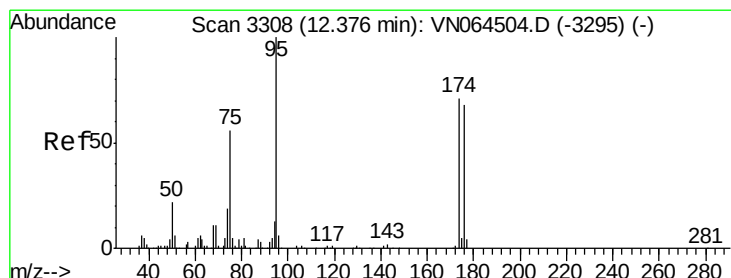
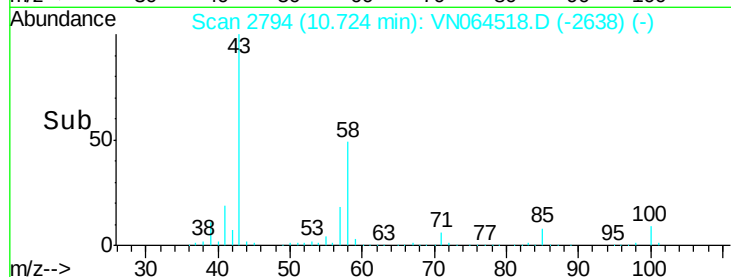
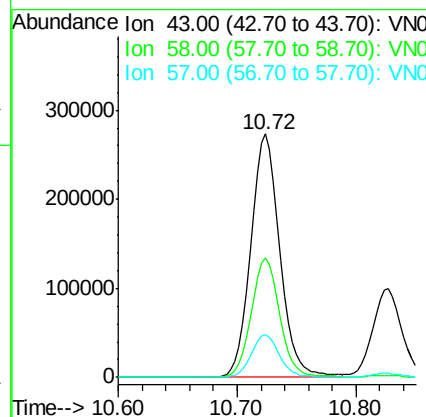
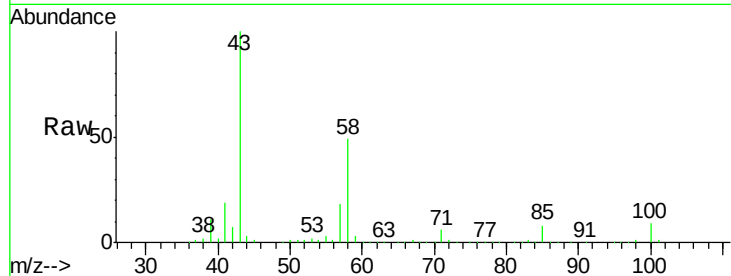
#59
2-Hexanone
Concen: 108.109 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064518.D
Acq: 10 Nov 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.4	38.2	57.4
57	17.4	13.8	20.8

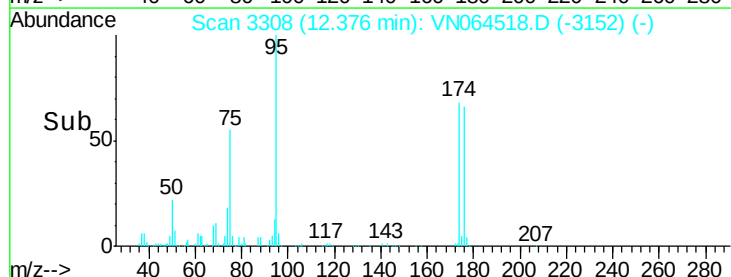
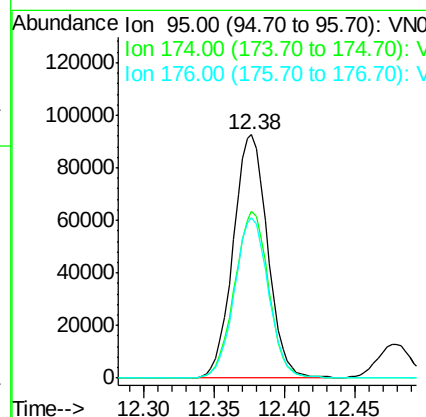
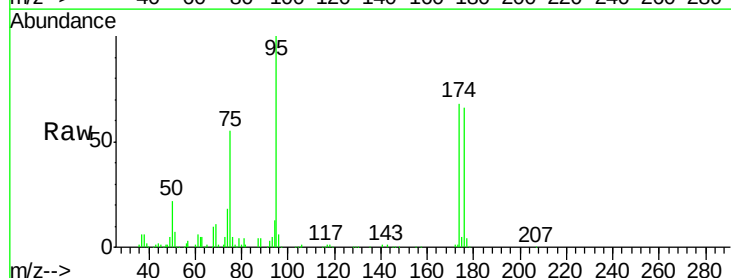
Manual Integrations
APPROVED

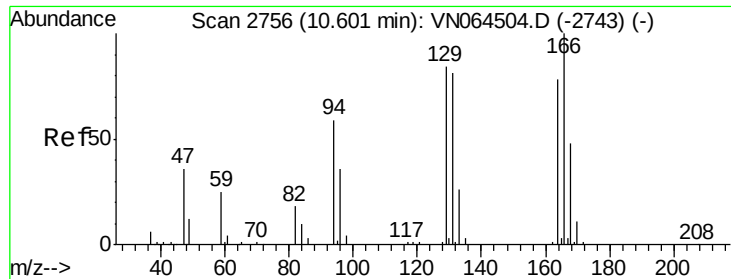
MMDadoda
11/11/2020 1:01:19 PM



#60
4-Bromofluorobenzene
Concen: 29.987 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064518.D
Acq: 10 Nov 2020 11:40

Tgt Ion	Ratio	Lower	Upper
95	100		
174	68.1	56.4	84.6
176	65.3	53.3	79.9





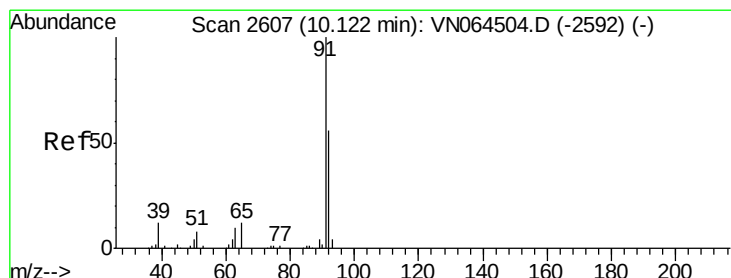
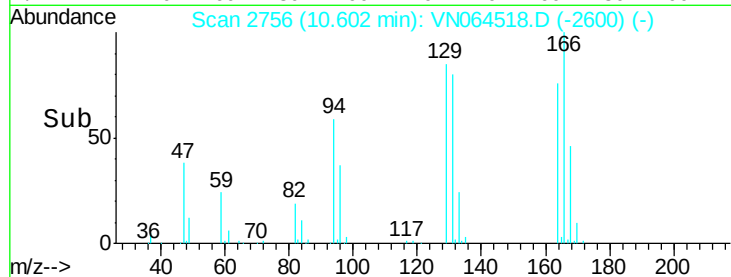
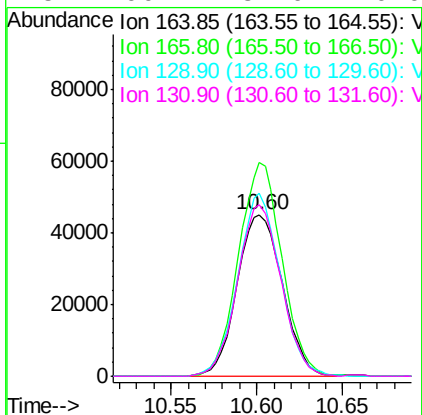
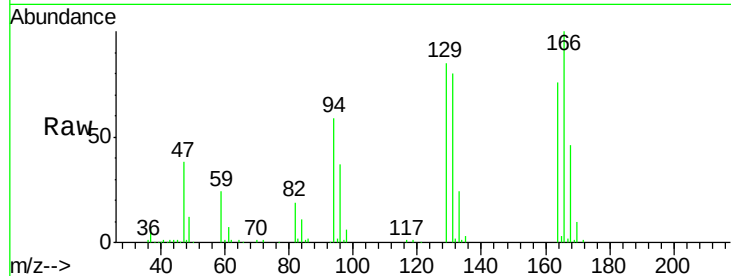
#61
Tetrachloroethene
Concen: 21.539 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064518.D
Acq: 10 Nov 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
164	100		
166	132.0	103.2	154.8
129	113.2	86.4	129.6
131	106.4	84.0	126.0

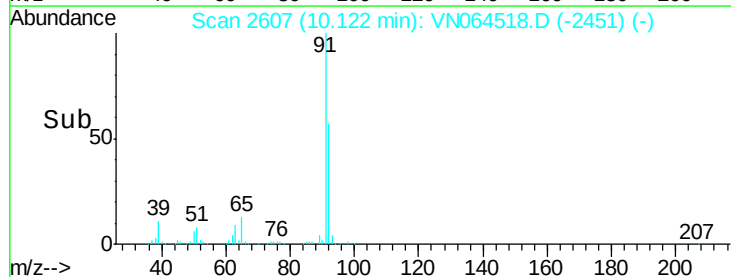
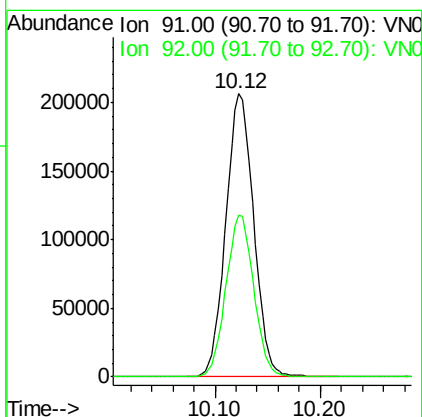
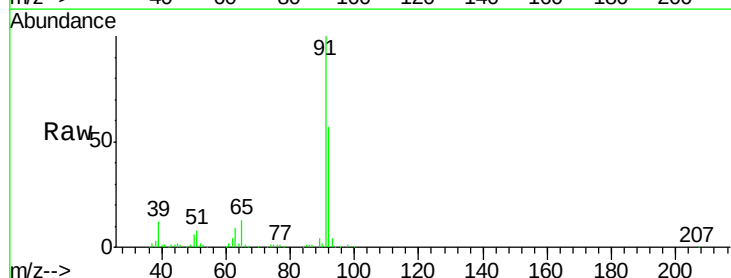
Manual Integrations
APPROVED

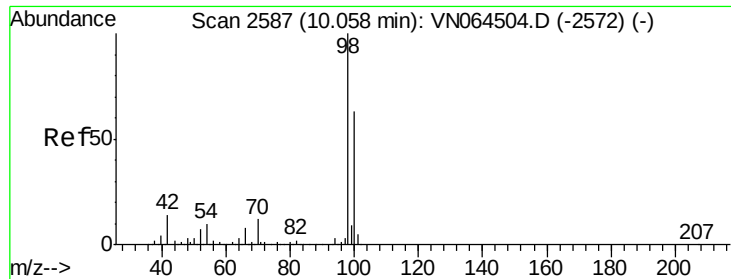
MMDadoda
11/11/2020 1:01:19 PM



#62
Toluene
Concen: 20.879 ug/l
RT: 10.12 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN064518.D
Acq: 10 Nov 2020 11:40

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.0	45.4	68.2





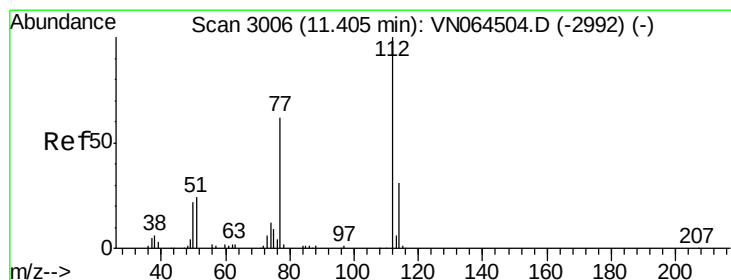
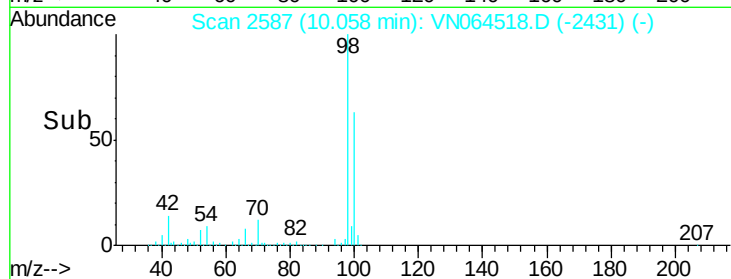
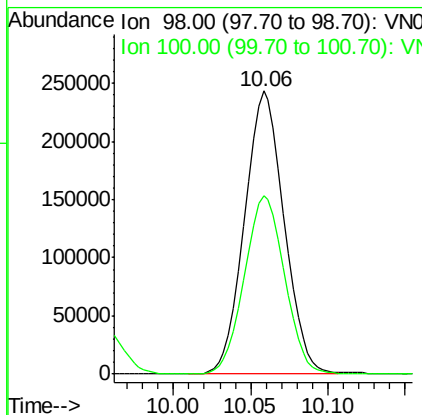
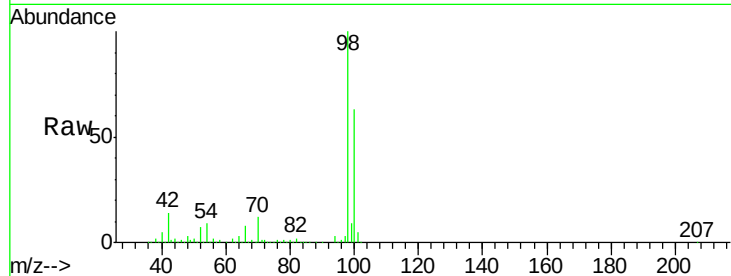
#63
Toluene-d8
Concen: 30.167 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN064518.D
Acq: 10 Nov 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
98	100		432891		
100	64.1		49.4		74.2

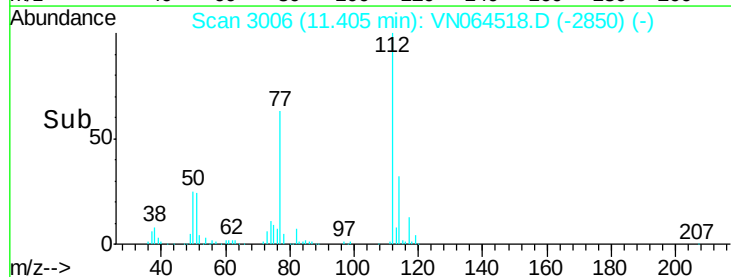
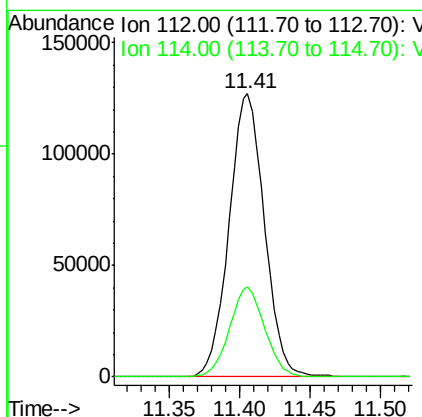
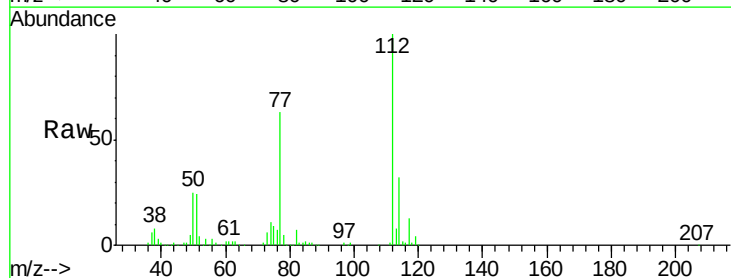
Manual Integrations
APPROVED

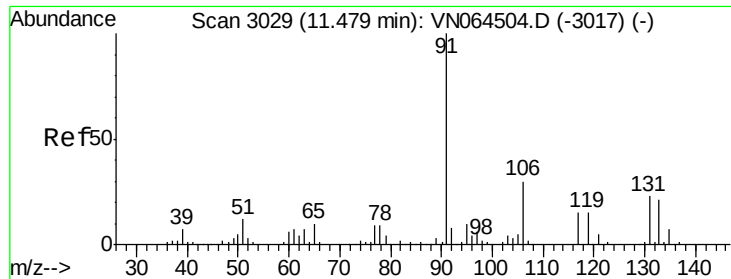
MMDadoda
11/11/2020 1:01:19 PM



#64
Chlorobenzene
Concen: 20.752 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN064518.D
Acq: 10 Nov 2020 11:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
112	100		222901		
114	31.7		25.0		37.6





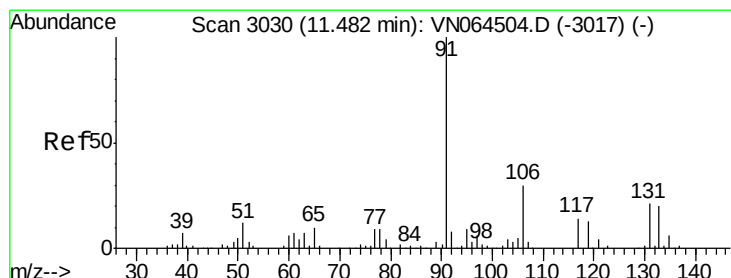
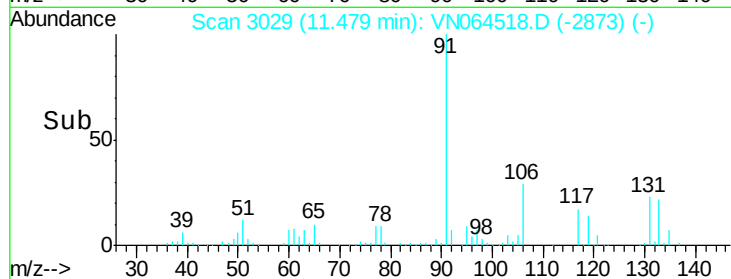
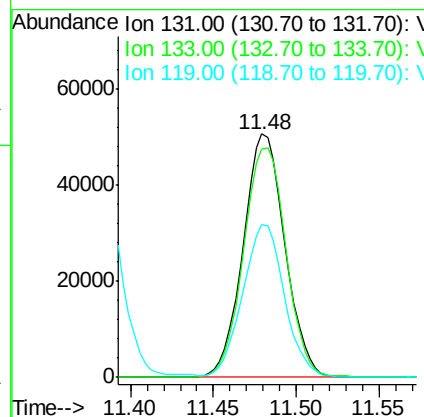
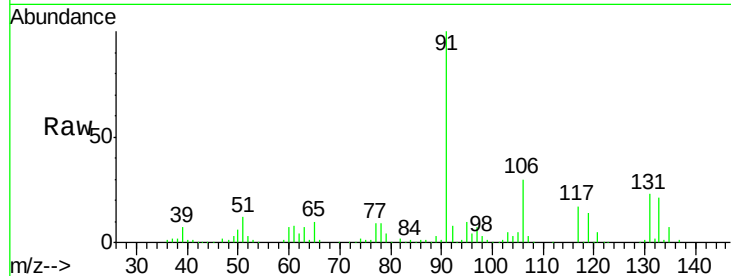
#65
 1,1,1,2-Tetrachloroethane
 Concen: 21.095 ug/l
 RT: 11.48 min Scan# 3029
 Delta R.T. 0.00 min
 Lab File: VN064518.D
 Acq: 10 Nov 2020 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
131	100		
133	95.6	0.0	191.2
119	62.7	0.0	131.6

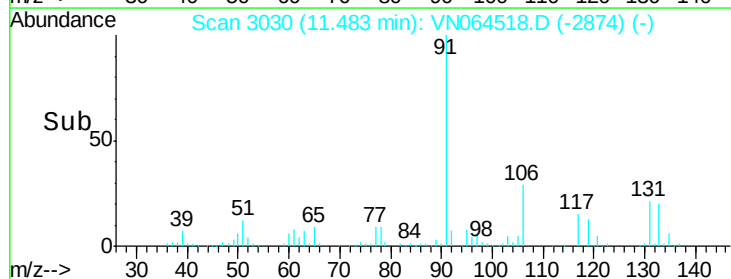
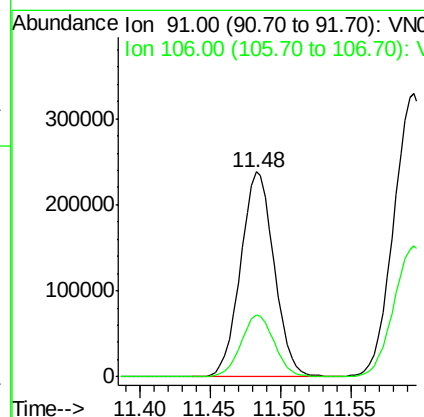
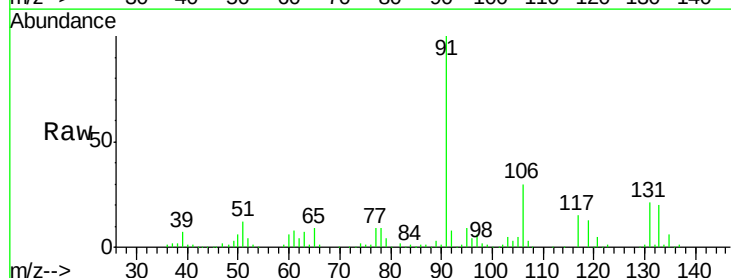
Manual Integrations
 APPROVED

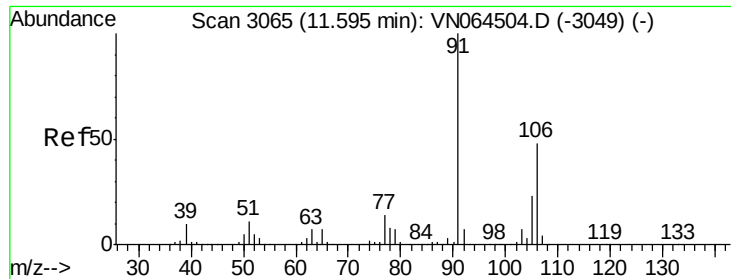
MMDadoda
 11/11/2020 1:01:19 PM



#66
 Ethyl Benzene
 Concen: 20.441 ug/l
 RT: 11.48 min Scan# 3030
 Delta R.T. 0.00 min
 Lab File: VN064518.D
 Acq: 10 Nov 2020 11:40

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.0	23.9	35.9





#67

m/p-Xylenes

Concen: 40.796 ug/l

RT: 11.60 min Scan# 3065

Delta R.T. 0.00 min

Lab File: VN064518.D

Acq: 10 Nov 2020 11:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion:106 Resp: 293644

Ion Ratio Lower Upper

106 100

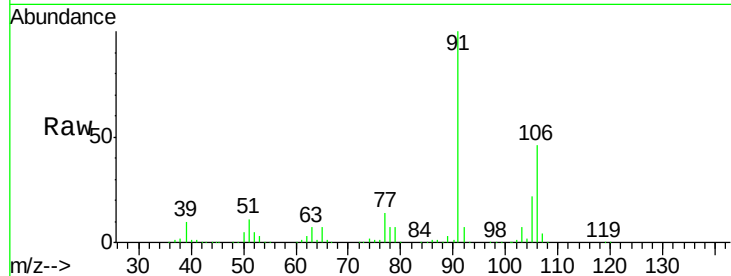
91 212.5 168.8 253.2

Manual Integrations

APPROVED

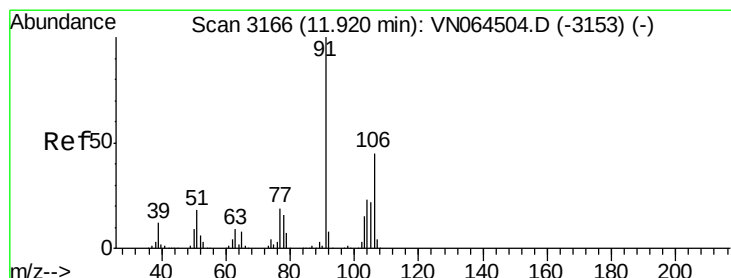
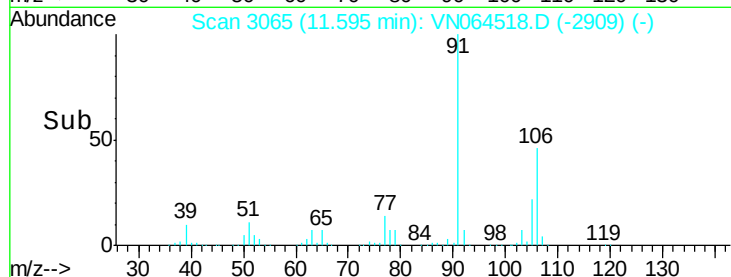
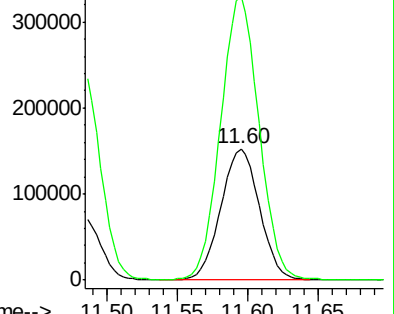
MMDadoda

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 20.161 ug/l

RT: 11.92 min Scan# 3166

Delta R.T. 0.00 min

Lab File: VN064518.D

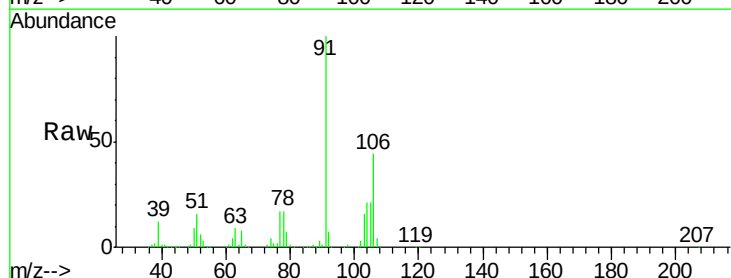
Acq: 10 Nov 2020 11:40

Tgt Ion:106 Resp: 137326

Ion Ratio Lower Upper

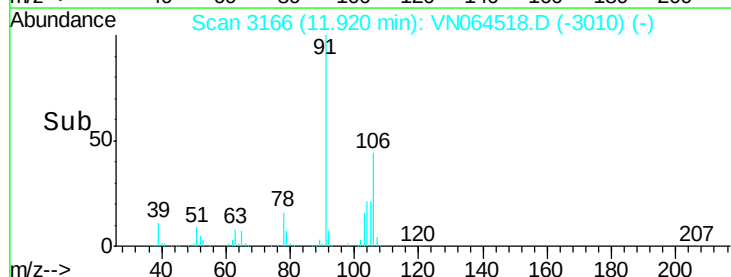
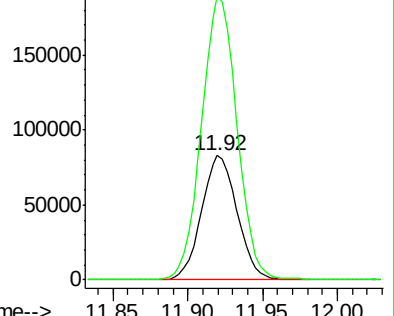
106 100

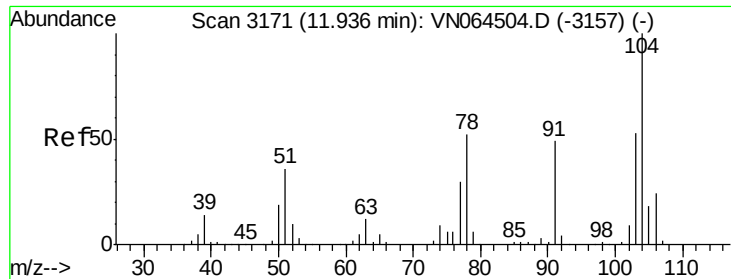
91 227.4 109.7 329.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





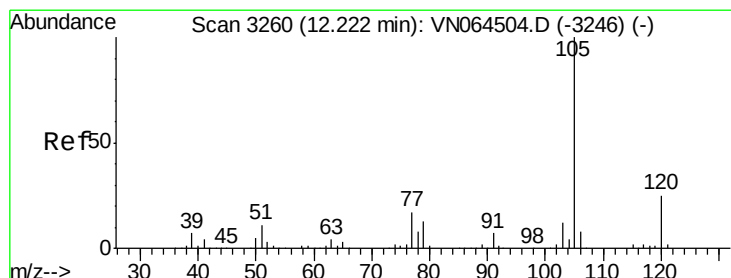
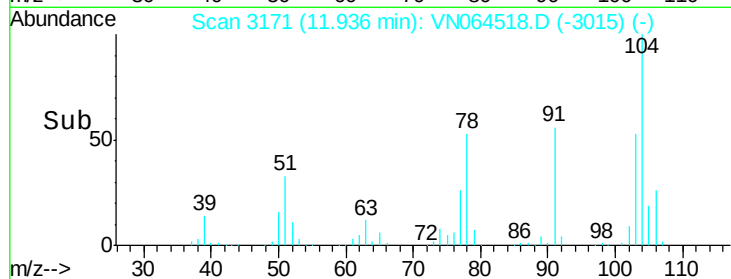
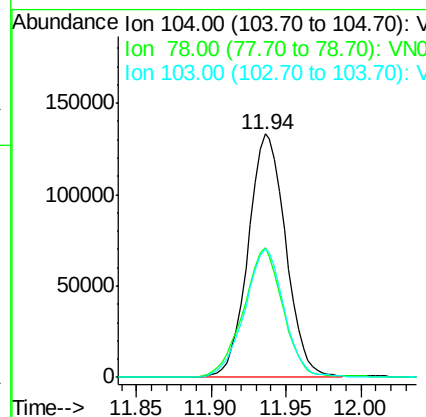
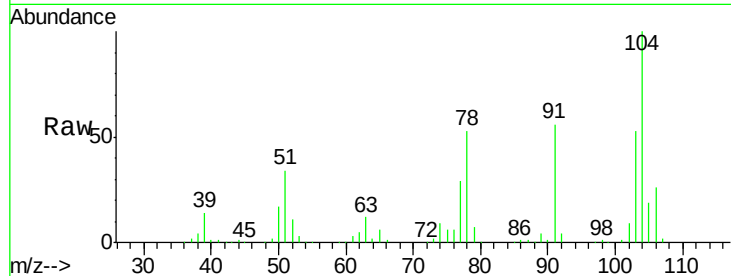
#69
Stvrene
Concen: 19.939 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. 0.00 min
Lab File: VN064518.D
Acq: 10 Nov 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
104	100	232597		
78	56.4		44.4	66.6
103	55.3		44.6	67.0

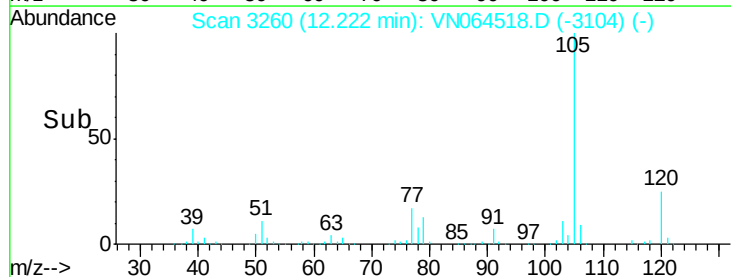
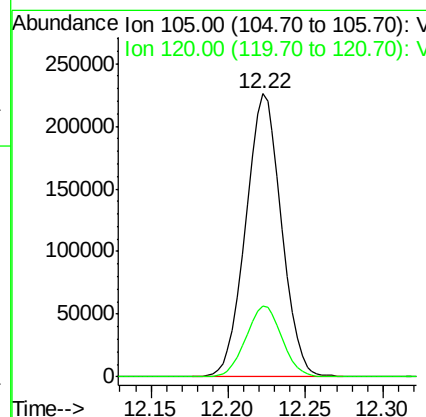
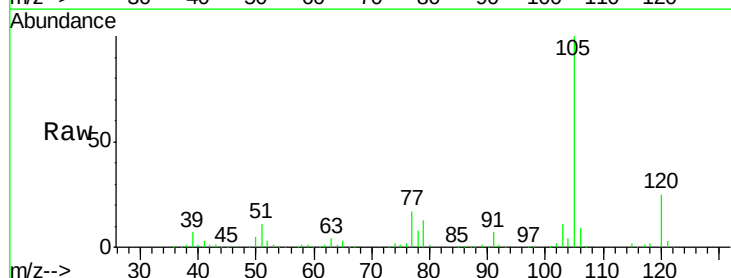
Manual Integrations
APPROVED

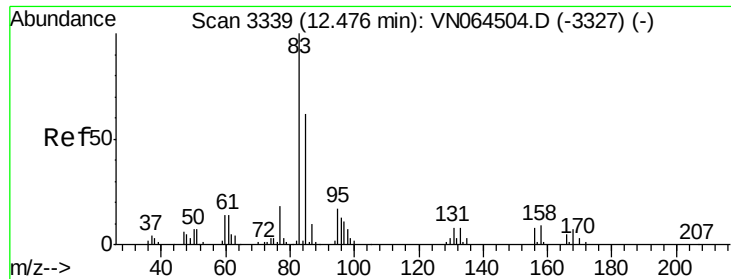
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#70
Isopropylbenzene
Concen: 20.366 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. 0.00 min
Lab File: VN064518.D
Acq: 10 Nov 2020 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	363103		
120	25.2		17.9	33.3





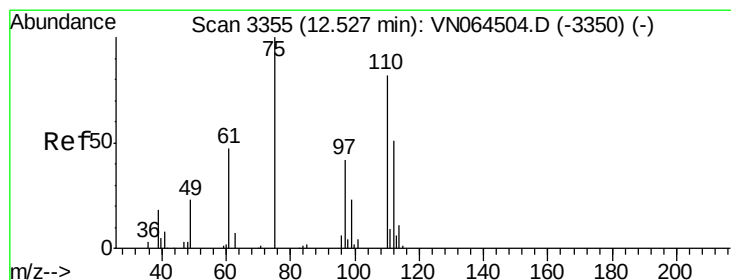
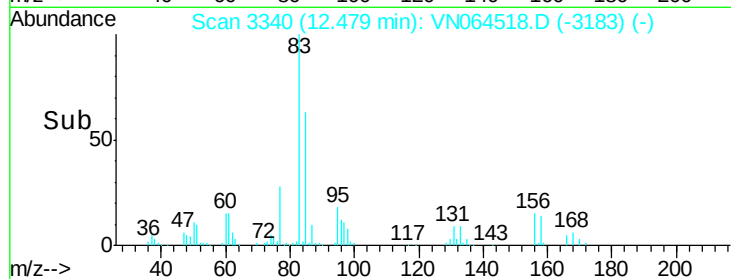
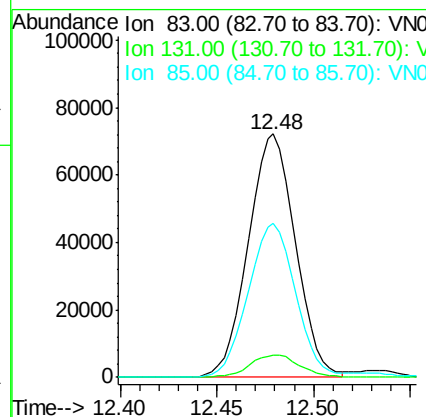
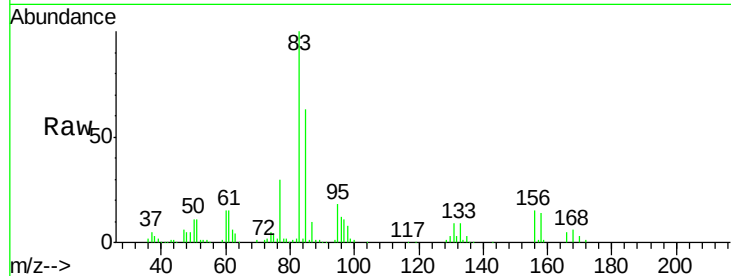
#71
 1,1,2,2-Tetrachloroethane
 Concen: 21.423 ug/l
 RT: 12.48 min Scan# 3340
 Delta R.T. 0.00 min
 Lab File: VN064518.D
 Acq: 10 Nov 2020 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
83	100		
131	9.7	4.6	13.8
85	63.8	31.4	94.0

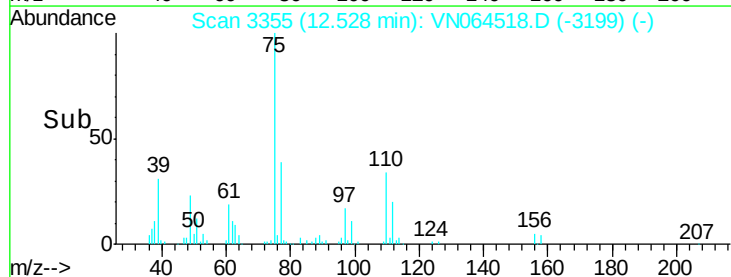
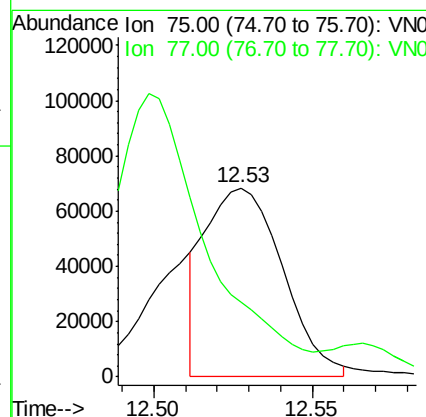
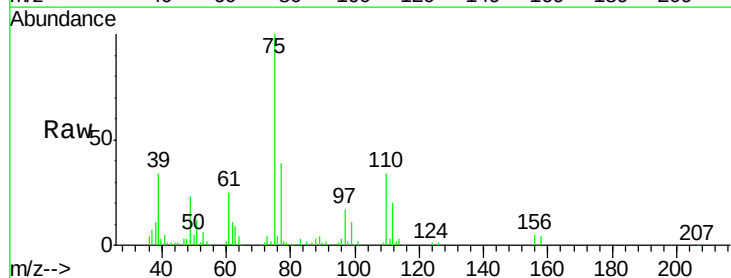
Manual Integrations
 APPROVED

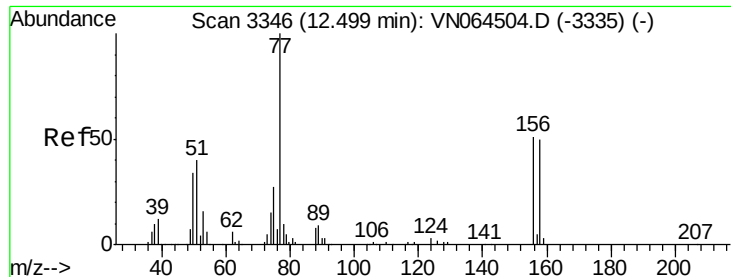
MMDadoda
 11/11/2020 1:01:19 PM



#72
 1,2,3-Trichloropropane
 Concen: 20.247 ug/l m
 RT: 12.53 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VN064518.D
 Acq: 10 Nov 2020 11:40

Tgt Ion	Ratio	Lower	Upper
75	100		
77	185.8	0.0	379.4





#73

Bromobenzene

Concen: 20.066 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064518.D

Acq: 10 Nov 2020 11:40

Instrument :

MSVOA_N

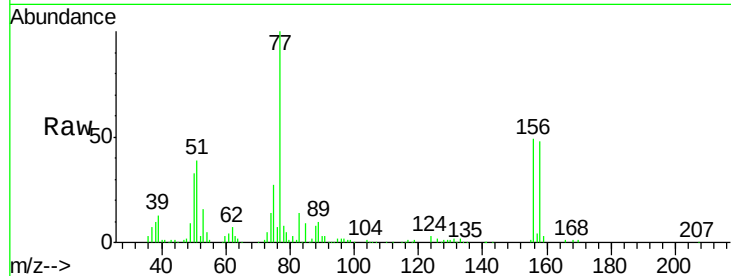
ClientSampleId :

VSTDCCC020

Tot Ion	Ratio	Lower	Upper
156	100		
77	242.0	0.0	480.2
158	97.2	0.0	194.0

Manual Integrations
APPROVED

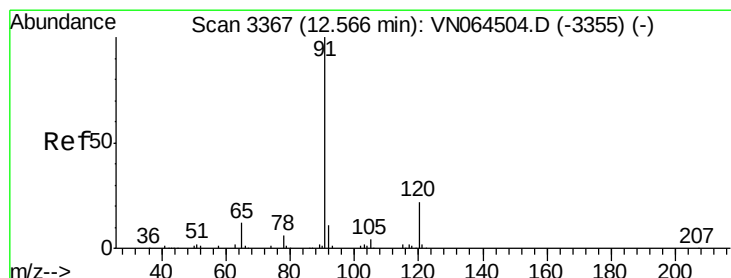
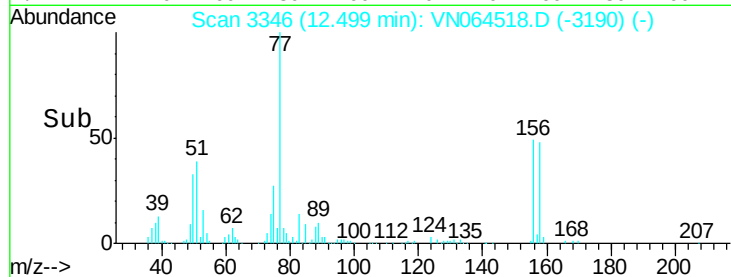
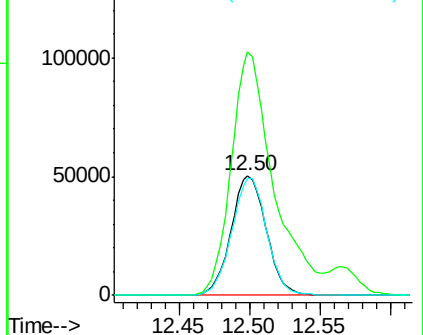
MMDadoda
11/11/2020 1:01:19 PM



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 20.616 ug/l

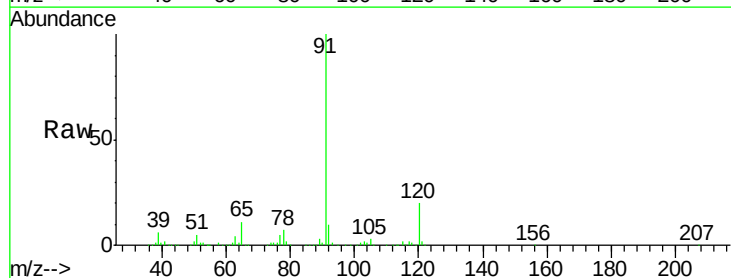
RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064518.D

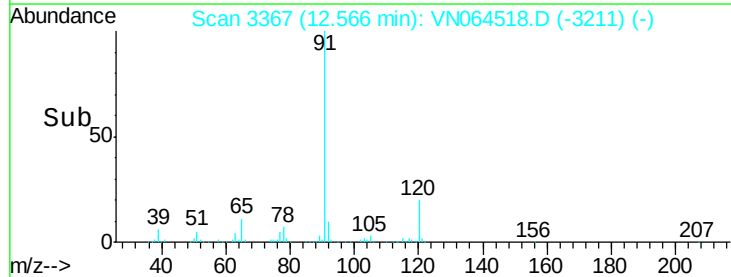
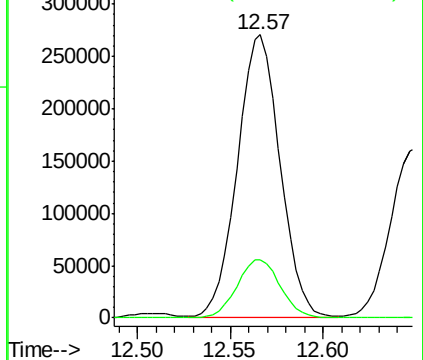
Acq: 10 Nov 2020 11:40

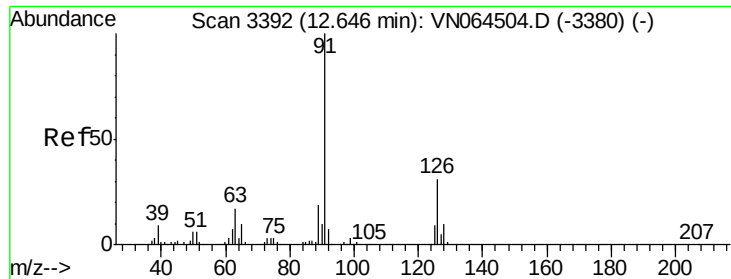
Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.8	0.0	42.8



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.389 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN064518.D

Acq: 10 Nov 2020 11:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 91 Resp: 268847

Ion Ratio Lower Upper

91 100

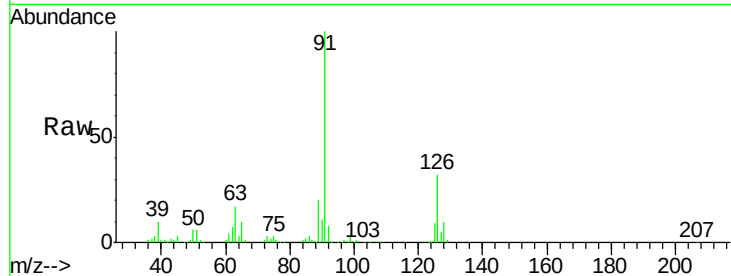
126 31.3 0.0 61.8

Manual Integrations

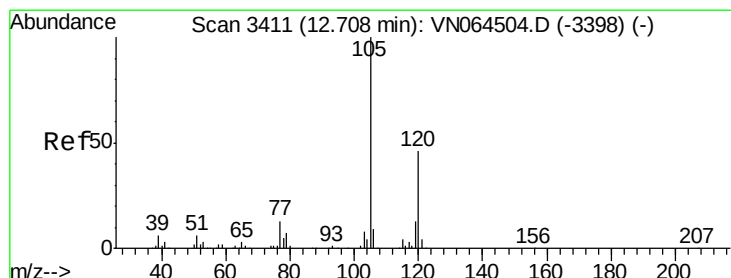
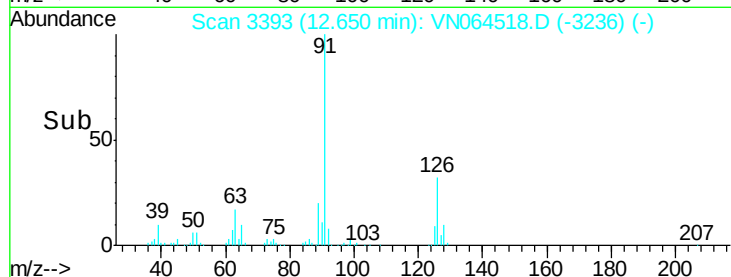
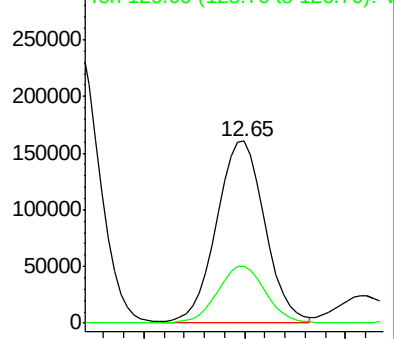
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Abundance Ion 91.00 (90.70 to 91.70): VN064518.D (-3236) (-)



#76

1,3,5-Trimethylbenzene

Concen: 20.554 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064518.D

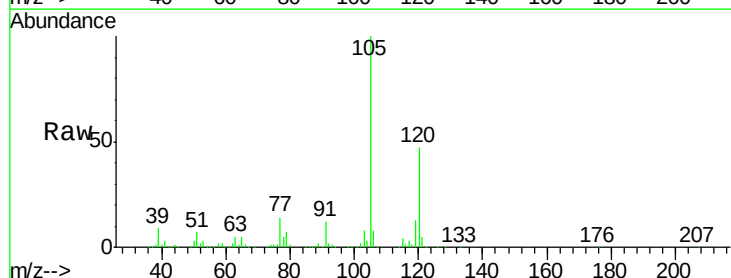
Acq: 10 Nov 2020 11:40

Tgt Ion: 105 Resp: 309348

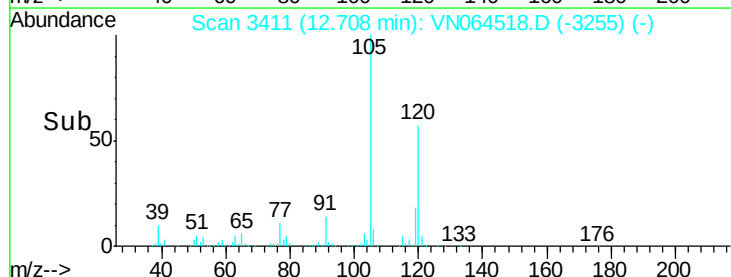
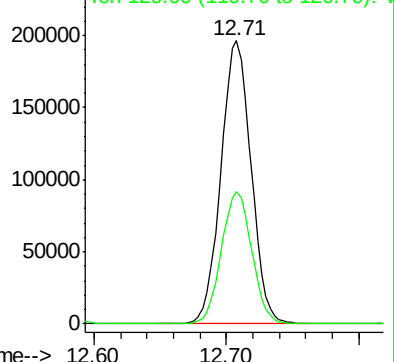
Ion Ratio Lower Upper

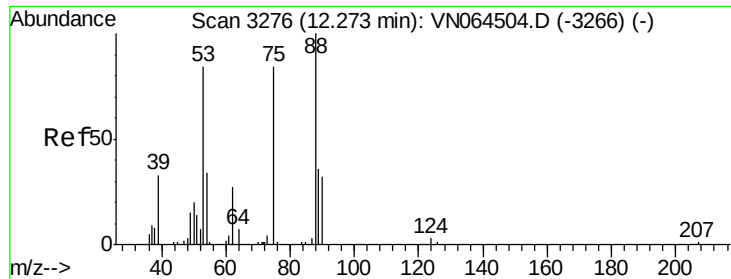
105 100

120 47.4 0.0 90.4



Abundance Ion 105.00 (104.70 to 105.70): VN064518.D (-3255) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 19.875 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN064518.D

Acq: 10 Nov 2020 11:40

Instrument :

MSVOA_N

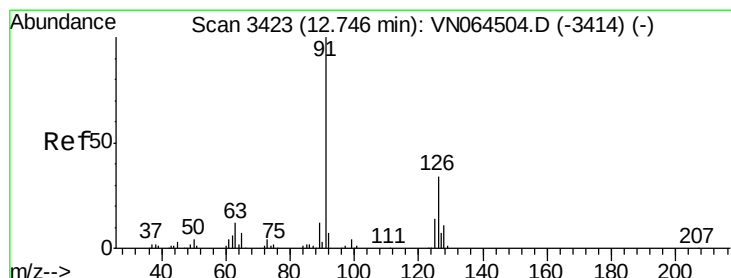
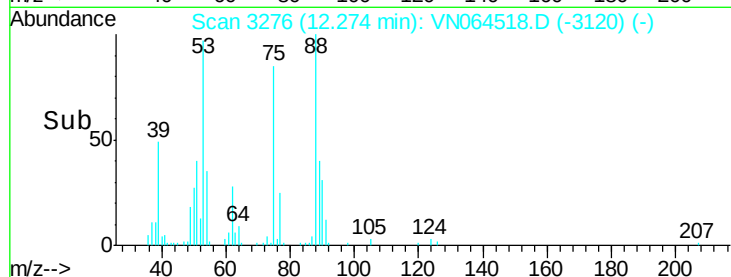
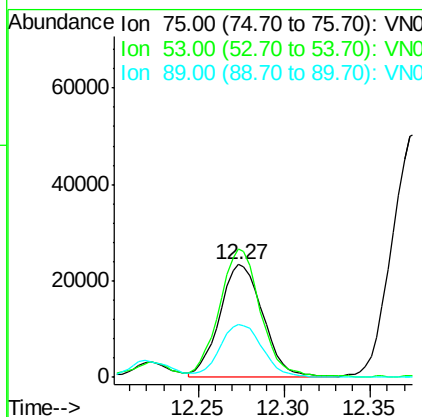
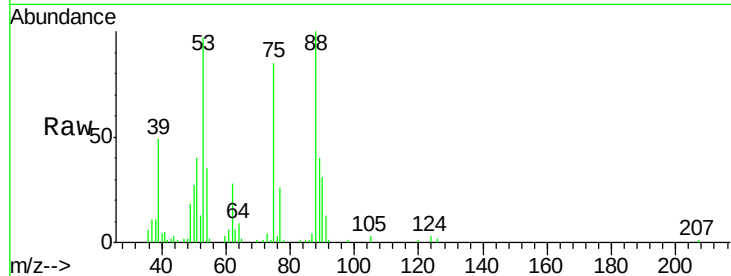
ClientSampleId :

VSTDCCC020

Tot Ion:	75	Resp:	41263
Ion	Ratio	Lower	Upper
75	100		
53	113.7	50.3	150.9
89	47.3	23.3	69.8

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#78

4-Chlorotoluene

Concen: 20.218 ug/l

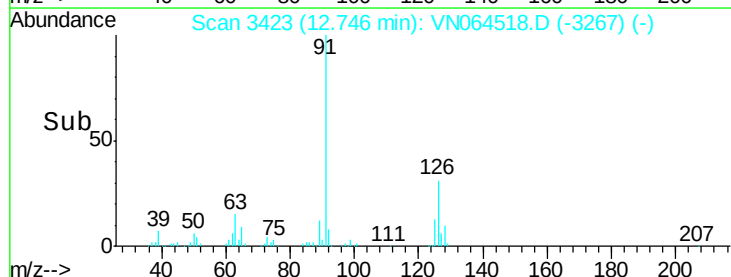
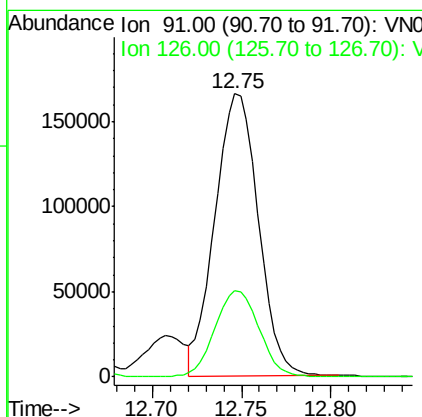
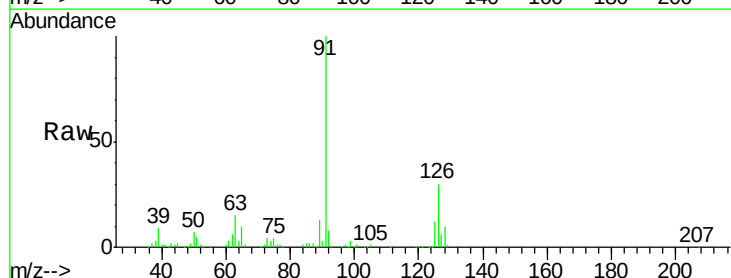
RT: 12.75 min Scan# 3423

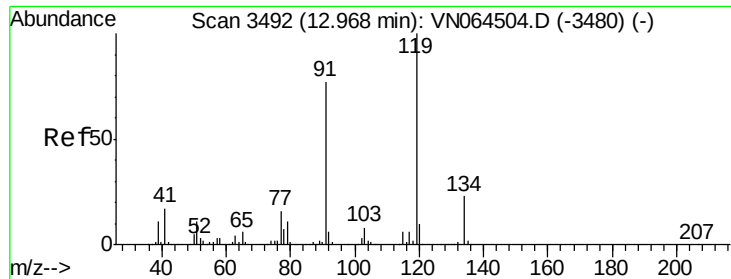
Delta R.T. 0.00 min

Lab File: VN064518.D

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Tgt Ion:	91	Resp:	280120
Ion	Ratio	Lower	Upper
91	100		
126	31.4	0.0	61.8





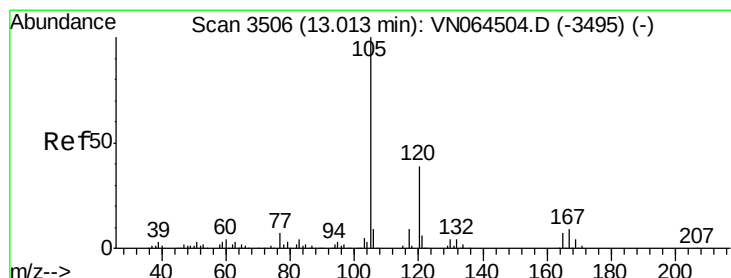
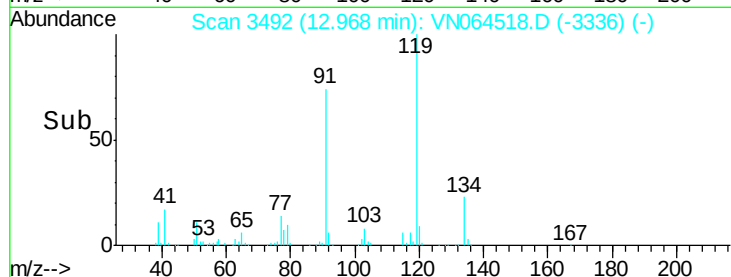
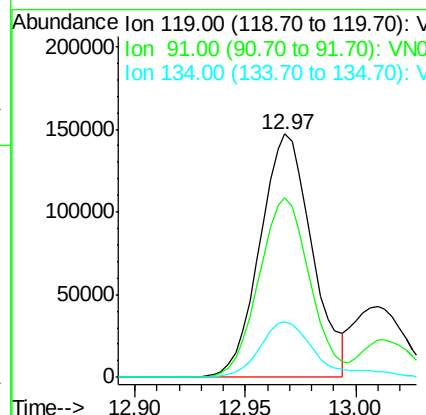
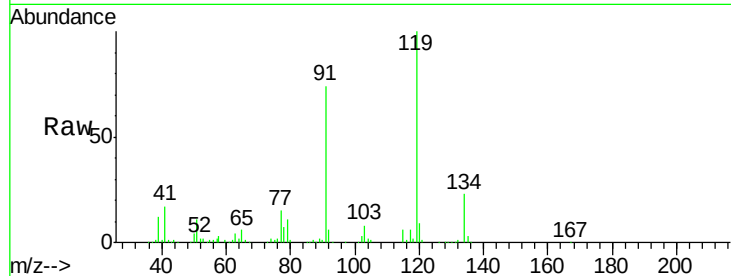
#79
tert-butylbenzene
Concen: 20.396 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN064518.D
Acq: 10 Nov 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	240908		
91	72.3	0.0	147.8	
134	22.9	0.0	50.6	

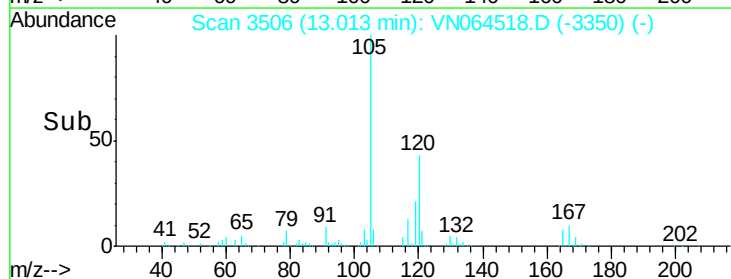
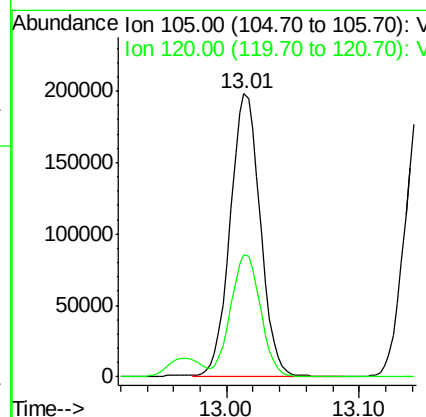
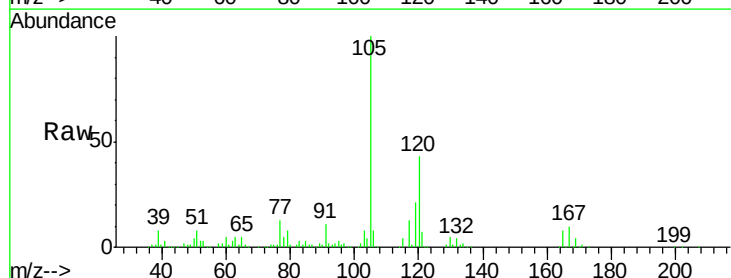
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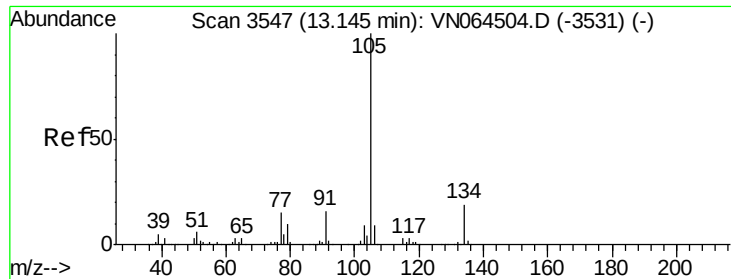
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#80
1,2,4-Trimethylbenzene
Concen: 20.617 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN064518.D
Acq: 10 Nov 2020 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	312697		
120	42.7	0.0	88.6	





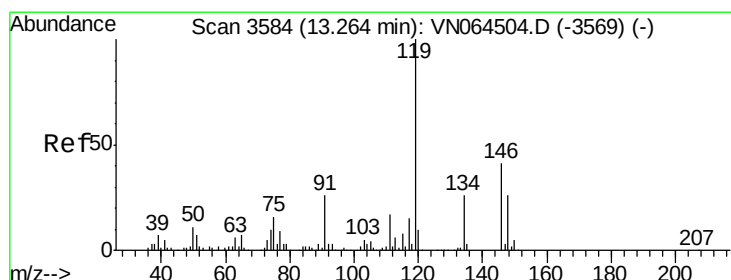
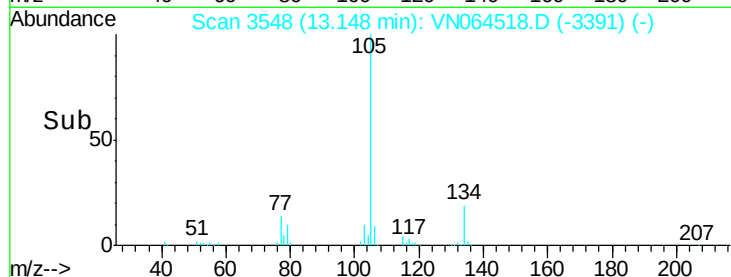
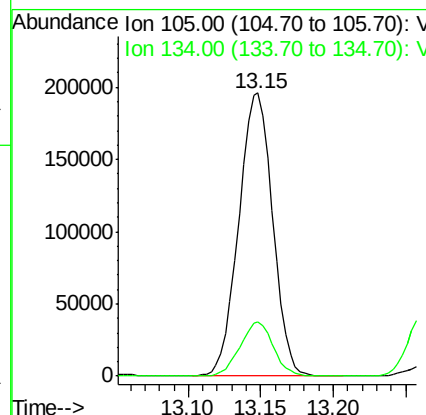
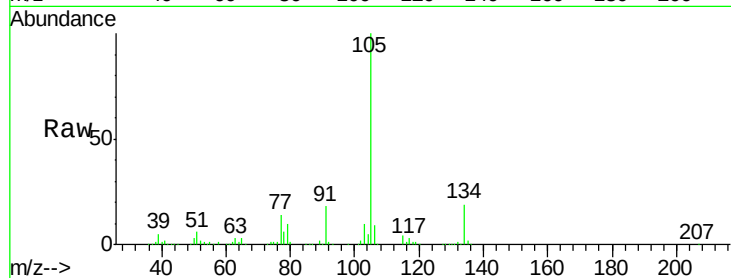
#81
 sec-Butylbenzene
 Concen: 20.214 ug/l
 RT: 13.15 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN064518.D
 Acq: 10 Nov 2020 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.8	0.0	37.8

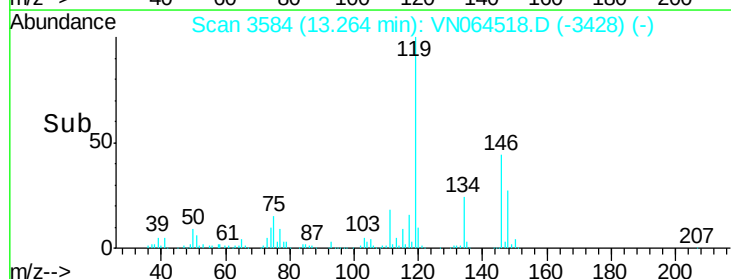
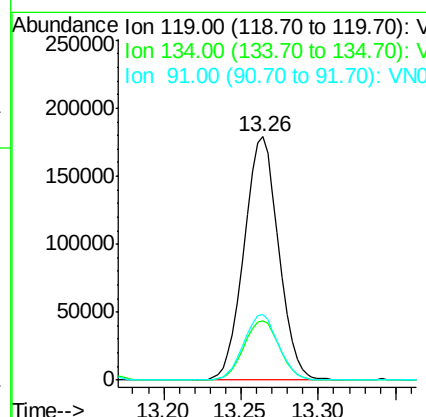
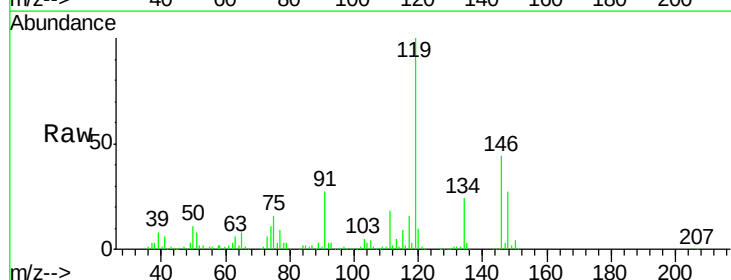
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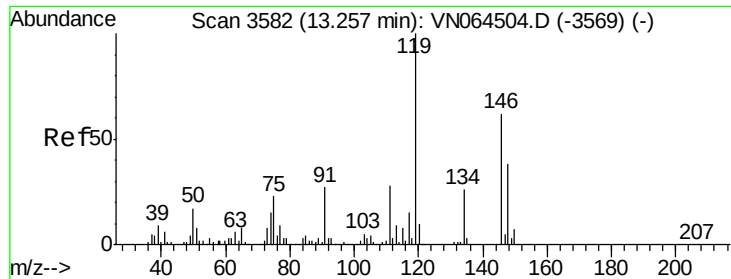
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#82
 p-Isopropyltoluene
 Concen: 19.898 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN064518.D
 Acq: 10 Nov 2020 11:40

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.2	0.0	53.0
91	26.7	0.0	53.2





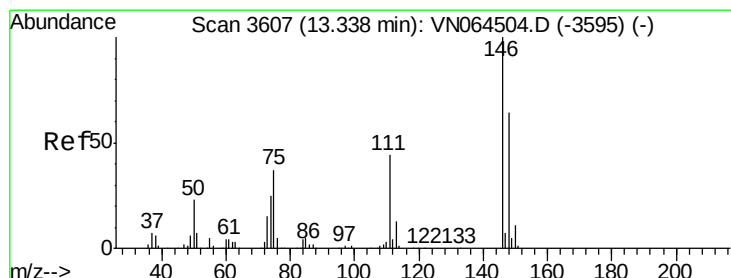
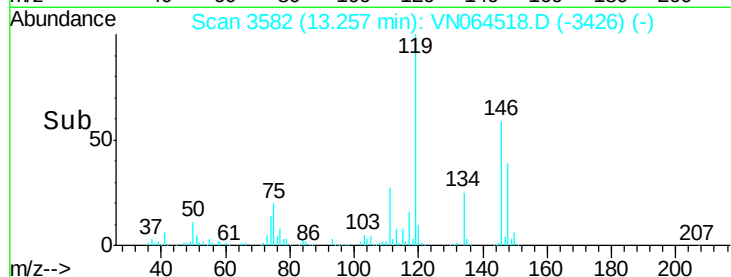
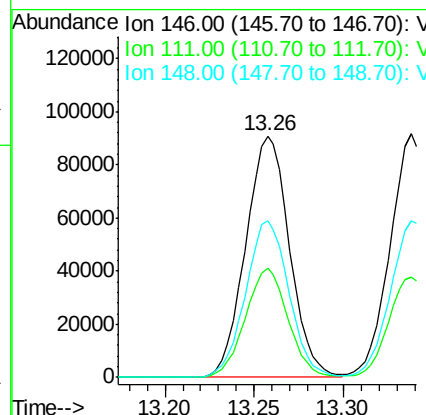
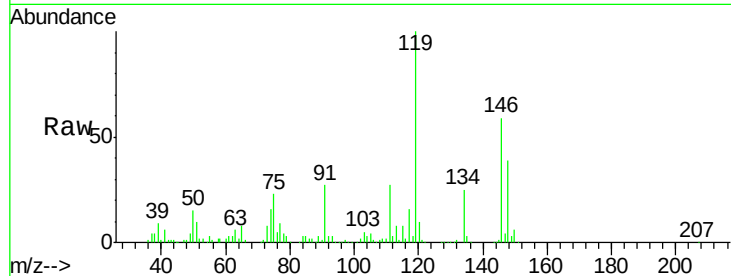
#83
 1,3-Dichlorobenzene
 Concen: 20.055 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN064518.D
 Acq: 10 Nov 2020 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.0	22.3	66.9
148	64.3	31.8	95.3

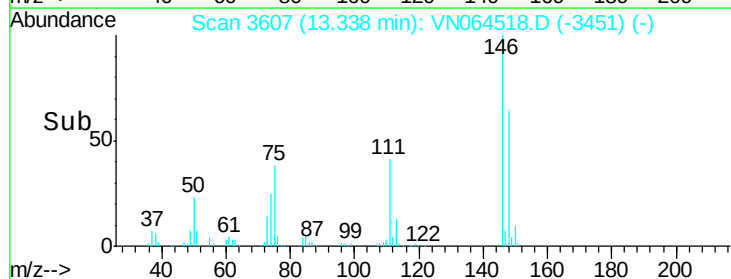
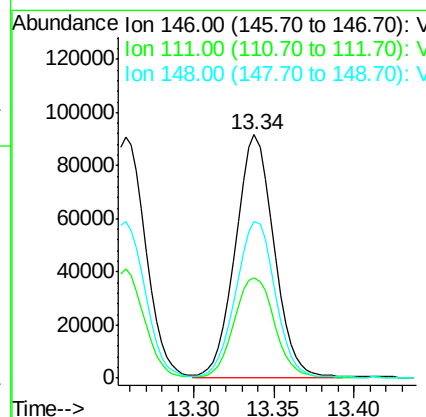
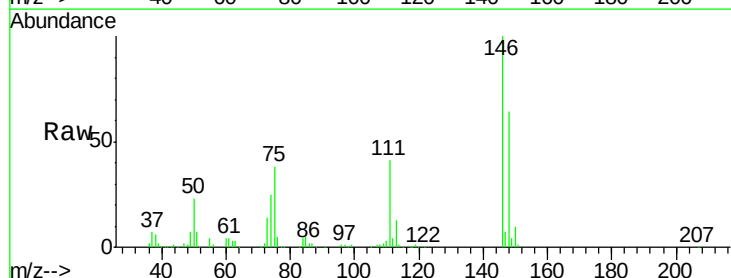
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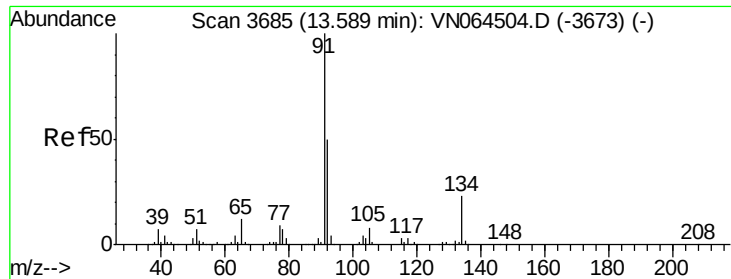
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#84
 1,4-Dichlorobenzene
 Concen: 19.534 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN064518.D
 Acq: 10 Nov 2020 11:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.8	65.4
148	65.4	31.5	94.5





#85

n-Butylbenzene

Concen: 19.649 ug/l

RT: 13.59 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN064518.D

Acq: 10 Nov 2020 11:40

Instrument :

MSVOA_N

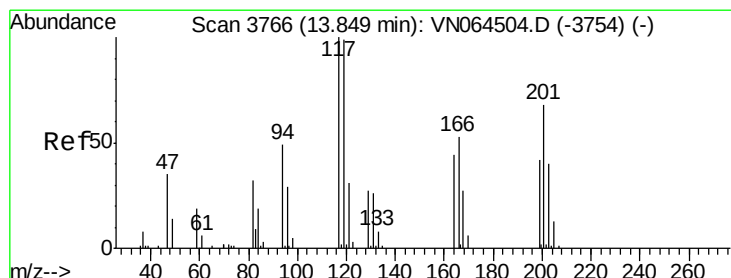
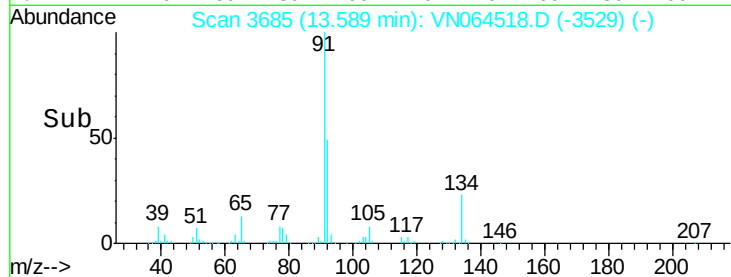
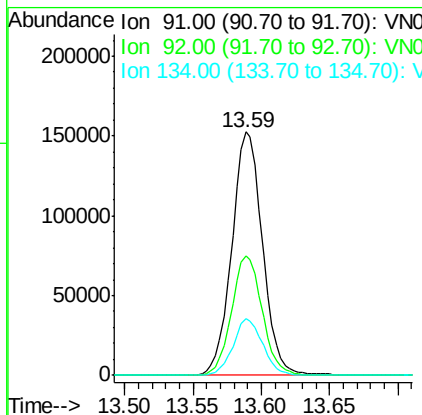
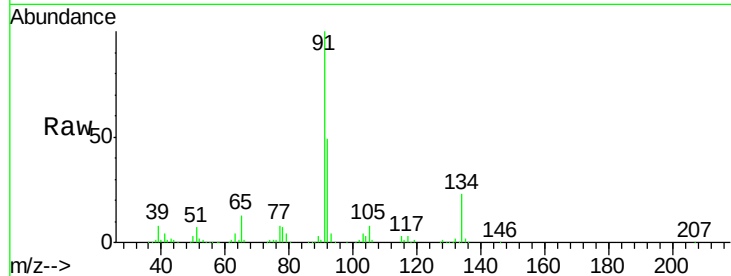
ClientSampleId :

VSTDCCC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		238269		
92	48.9	0.0	101.4		
134	22.4	0.0	45.2		

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#86

Hexachloroethane

Concen: 20.420 ug/l

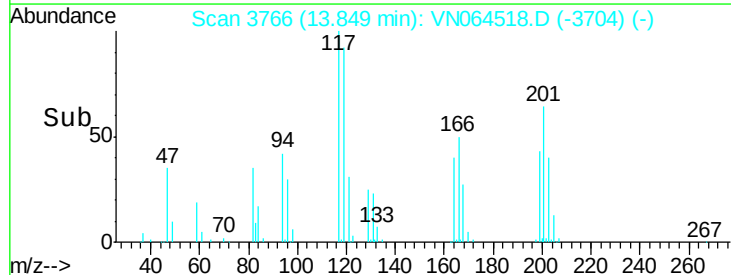
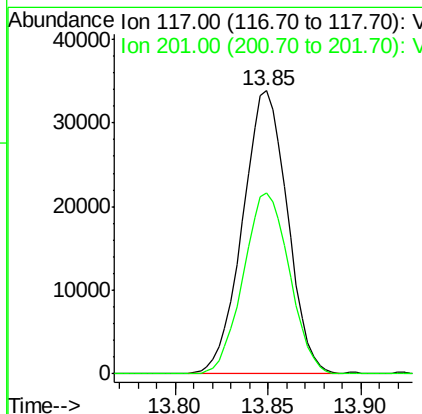
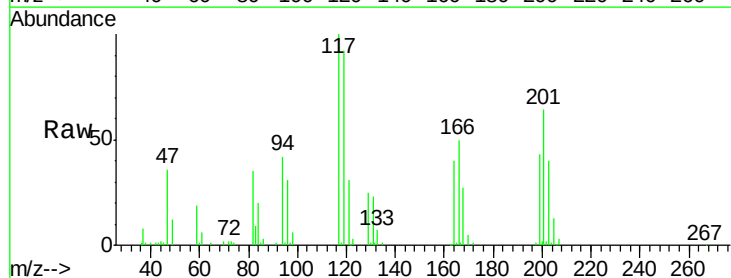
RT: 13.85 min Scan# 3766

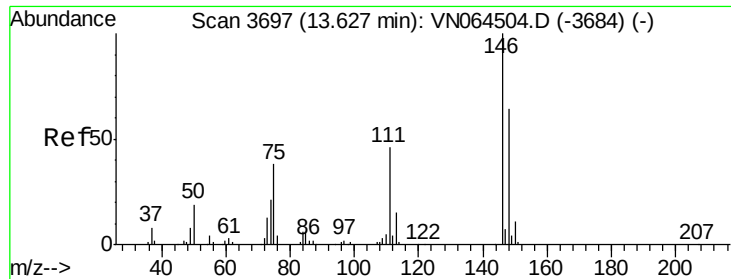
Delta R.T. 0.00 min

Lab File: VN064518.D

Acq: 10 Nov 2020 11:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		56915		
201	65.4	33.1	99.3		





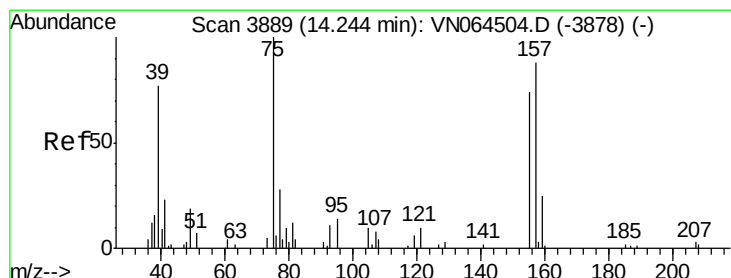
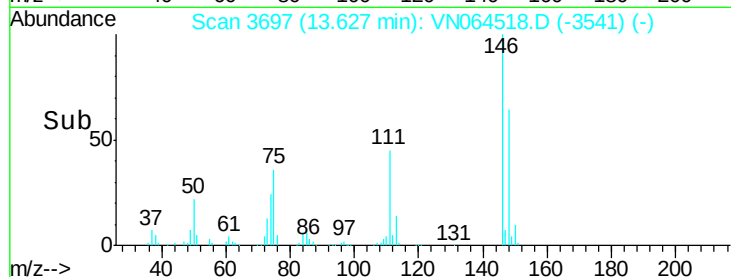
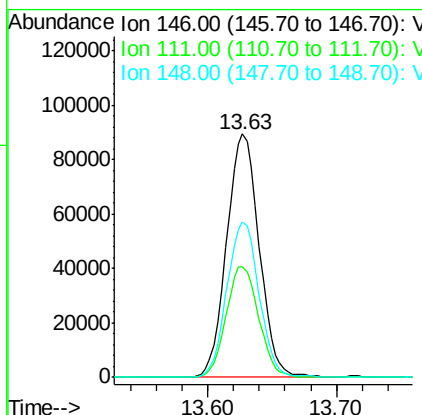
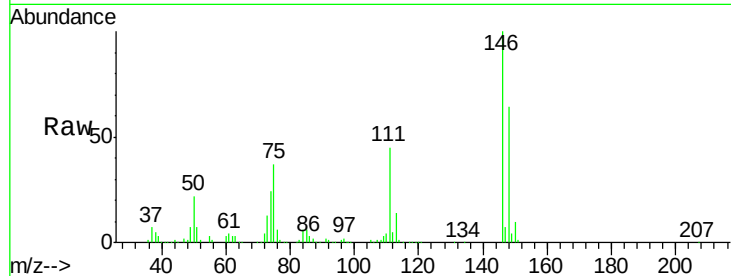
#87
 1,2-Dichlorobenzene
 Concen: 20.711 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064518.D
 Acq: 10 Nov 2020 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.5	23.1	69.2
148	62.9	32.6	97.8

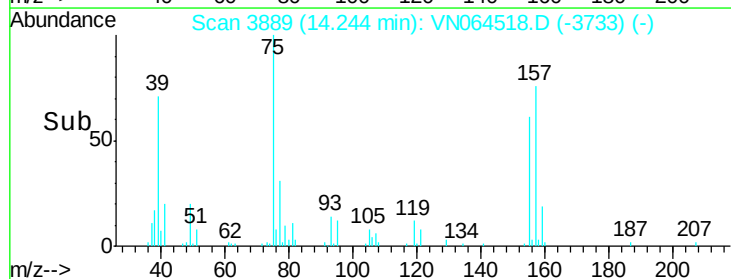
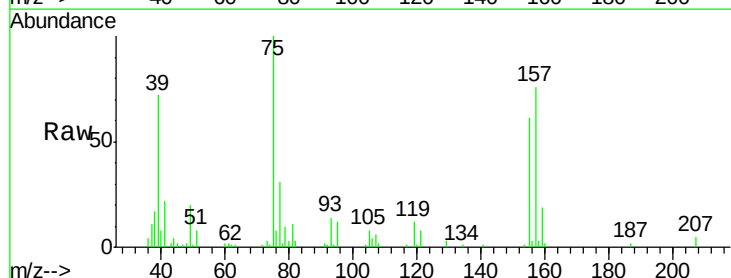
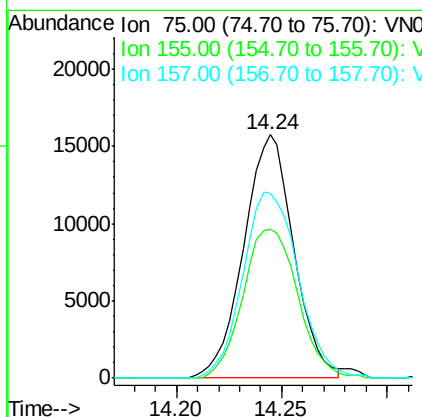
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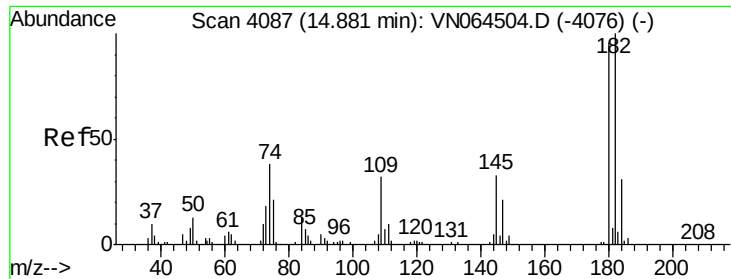
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 21.073 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN064518.D
 Acq: 10 Nov 2020 11:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	66.9	56.5	84.7
157	84.2	69.7	104.5





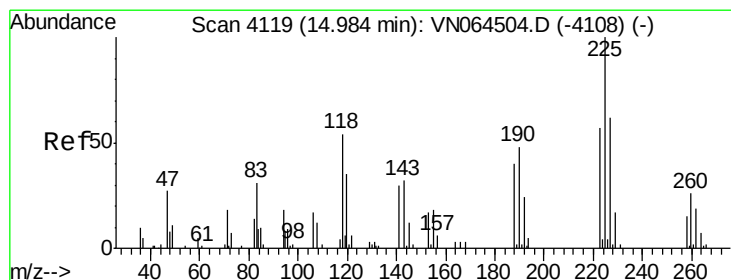
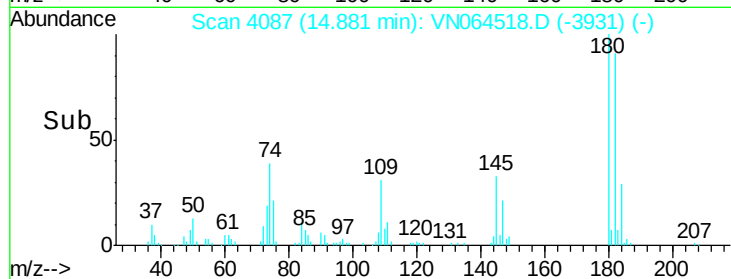
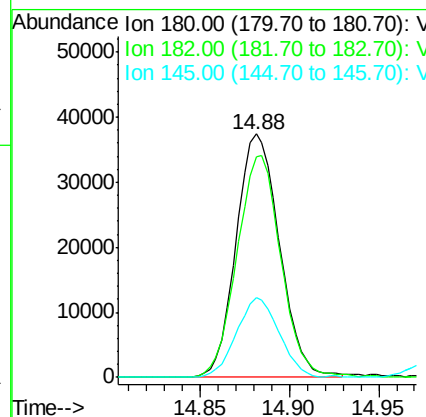
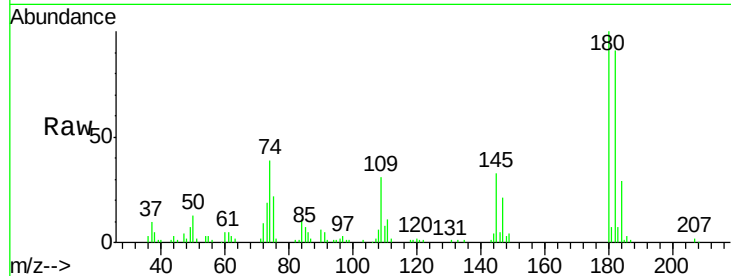
#89
 1,2,4-Trichlorobenzene
 Concen: 18.562 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN064518.D
 Acq: 10 Nov 2020 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.9	79.4	119.0
145	32.2	27.6	41.4

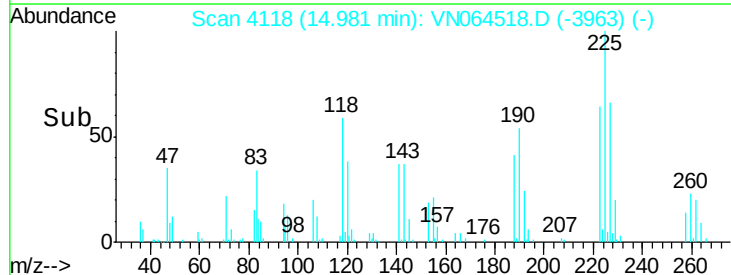
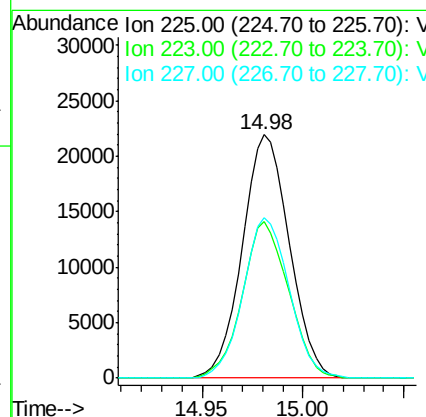
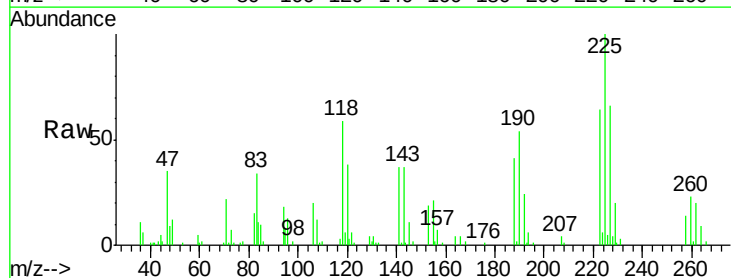
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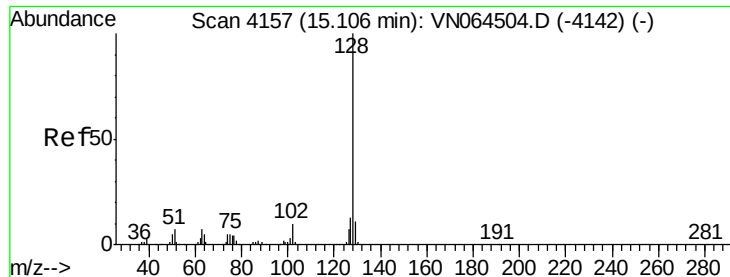
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#90
 Hexachlorobutadiene
 Concen: 20.950 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064518.D
 Acq: 10 Nov 2020 11:40

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	0.0	125.4
227	64.7	0.0	122.0





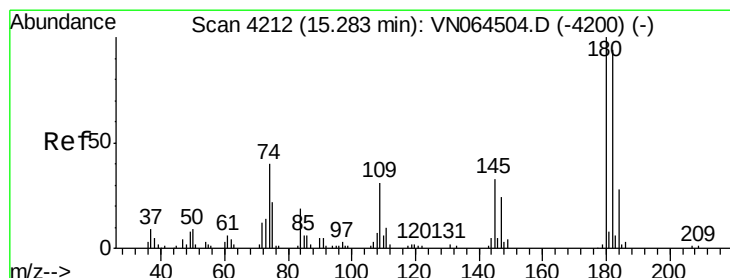
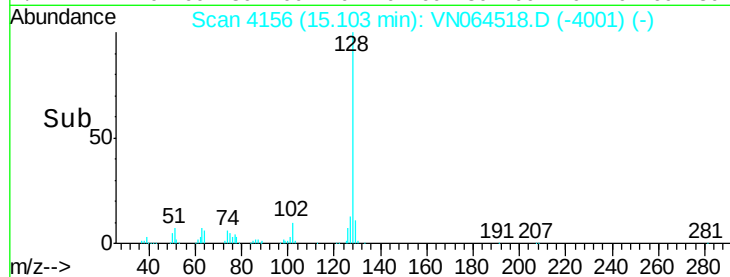
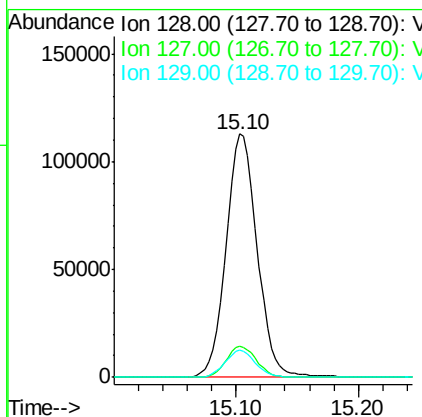
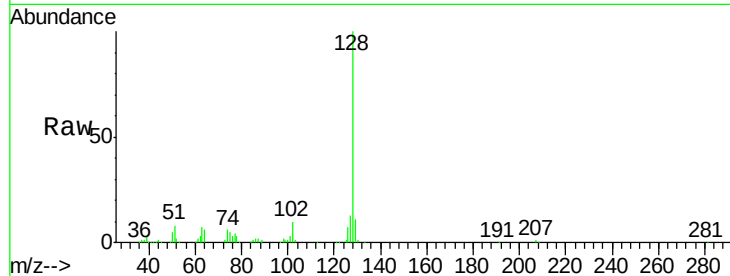
#91
Naphthalene
Concen: 17.752 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. -0.00 min
Lab File: VN064518.D
Acq: 10 Nov 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.2	15.4
129	11.0	8.5	12.7

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#92
1,2,3-Trichlorobenzene
Concen: 19.241 ug/l
RT: 15.29 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN064518.D
Acq: 10 Nov 2020 11:40

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	0.0	186.0
145	33.8	0.0	69.6

