

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092120\
 Data File : VN063479.D
 Acq On : 21 Sep 2020 12:34
 Operator : JC/MD
 Sample : VN0921MBS01
 Misc : 5.00µg/10µL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921MBS01

Manual Integrations
 APPROVED

MMDadoda
 9/22/2020 2:07:05 PM

Quant Time: Sep 22 02:41:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 13:05:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	281425	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	477316	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	443616	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	213041	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	241348	50.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.76%	
35) Dibromofluoromethane	7.55	113	168723	51.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.12%	
50) Toluene-d8	10.06	98	638140	51.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.72%	
62) 4-Bromofluorobenzene	12.38	95	245591	53.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	57273	17.964	ug/l	97
3) Chloromethane	2.04	50	69004	16.360	ug/l	100
4) Vinyl Chloride	2.16	62	67623	18.096	ug/l	99
5) Bromomethane	2.53	94	45524	20.518	ug/l	98
6) Chloroethane	2.67	64	39771	17.338	ug/l	95
7) Trichlorofluoromethane	2.98	101	107246	19.236	ug/l	98
8) Diethyl Ether	3.37	74	40162	18.479	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.71	101	56703	18.084	ug/l	96
10) Methyl Iodide	3.91	142	73073	17.900	ug/l	98
11) Tert butyl alcohol	4.73	59	63868	96.235	ug/l	98
12) 1,1-Dichloroethene	3.69	96	55539	17.488	ug/l	99
13) Acrolein	3.57	56	23084	93.858	ug/l	100
14) Allyl chloride	4.28	41	109305	17.400	ug/l	98
15) Acrylonitrile	4.93	53	155621	92.184	ug/l	99
16) Acetone	3.77	43	139160	90.386	ug/l	100
17) Carbon Disulfide	4.01	76	154582	16.734	ug/l	98
18) Methyl Acetate	4.28	43	77720	19.885	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	216541	18.294	ug/l	97
20) Methylene Chloride	4.50	84	68457	17.549	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	61829	17.572	ug/l	95
22) Diisopropyl ether	5.90	45	225188	17.577	ug/l	96
23) Vinyl Acetate	5.84	43	960970	91.330	ug/l	100
24) 1,1-Dichloroethane	5.80	63	124577	17.810	ug/l	99
25) 2-Butanone	6.78	43	221729	93.640	ug/l	96
26) 2,2-Dichloropropane	6.78	77	109641	17.803	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	74853	18.795	ug/l	99
28) Bromochloromethane	7.15	49	57664	17.855	ug/l	95
29) Tetrahydrofuran	7.16	42	146740	90.736	ug/l	99
30) Chloroform	7.33	83	126843	18.075	ug/l	97
31) Cyclohexane	7.61	56	111670	16.878	ug/l	96
32) 1,1,1-Trichloroethane	7.53	97	113025	18.108	ug/l	99
36) 1,1-Dichloropropene	7.75	75	91715	18.036	ug/l	98
37) Ethyl Acetate	6.88	43	96187	19.273	ug/l	99
38) Carbon Tetrachloride	7.73	117	96592	18.608	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	100424	18.196	ug/l	99
40) Benzene	8.00	78	271047	18.672	ug/l	99
41) Methacrylonitrile	7.14	41	46202m	20.583	ug/l	
42) 1,2-Dichloroethane	8.08	62	112294	19.236	ug/l	100
43) Isopropyl Acetate	8.13	43	165330	18.526	ug/l	99
44) Trichloroethene	8.80	130	66381	18.854	ug/l	99
45) 1,2-Dichloropropane	9.08	63	75444	19.082	ug/l	98
46) Dibromomethane	9.17	93	50209	19.322	ug/l	99
47) Bromodichloromethane	9.37	83	104549	19.367	ug/l	100
48) Methyl methacrylate	9.16	41	82140	18.734	ug/l	99
49) 1,4-Dioxane	9.16	88	25738	409.059	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	490165	98.111	ug/l	99
52) Toluene	10.12	92	170362	19.520	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	111988	18.582	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	120087	18.891	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	69614	20.081	ug/l	98
56) Ethyl methacrylate	10.40	69	101085	18.678	ug/l	98
57) 1,3-Dichloropropane	10.68	76	117876	18.856	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	261554	92.131	ug/l	96
59) 2-Hexanone	10.72	43	357012	98.636	ug/l	100
60) Dibromochloromethane	10.87	129	74583	19.044	ug/l	97
61) 1,2-Dibromoethane	10.98	107	70296	19.518	ug/l	100
64) Tetrachloroethene	10.60	164	62382	20.651	ug/l	96
65) Chlorobenzene	11.41	112	176190	18.710	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.48	131	66403	19.237	ug/l	98
67) Ethyl Benzene	11.48	91	330740	18.651	ug/l	99
68) m/p-Xylenes	11.59	106	242781	37.971	ug/l	98
69) o-Xylene	11.92	106	117836	19.347	ug/l	98
70) Styrene	11.94	104	193034	18.899	ug/l	99
71) Bromoform	12.10	173	49462	19.235	ug/l #	99
73) Isopropylbenzene	12.22	105	308967	18.098	ug/l	99
74) N-amyl acetate	12.04	43	142491	17.632	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	98291	18.595	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	99085m	18.791	ug/l	
77) Bromobenzene	12.50	156	74476	19.394	ug/l	95
78) n-propylbenzene	12.57	91	365195	18.366	ug/l	100
79) 2-Chlorotoluene	12.65	91	220035	18.460	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	266119	18.694	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.28	75	33973	17.664	ug/l	98
82) 4-Chlorotoluene	12.75	91	229248	18.203	ug/l	98
83) tert-Butylbenzene	12.97	119	215923	18.377	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	269802	18.763	ug/l	99
85) sec-Butylbenzene	13.15	105	287711	18.294	ug/l	99
86) p-Isopropyltoluene	13.26	119	260347	18.768	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	135541	19.043	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	135633	18.743	ug/l	98
89) n-Butylbenzene	13.59	91	239726	18.749	ug/l	98
90) Hexachloroethane	13.85	117	46560	17.627	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	130928	18.736	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	23358	18.557	ug/l	98

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MSVOA_N
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VN0921MBS01

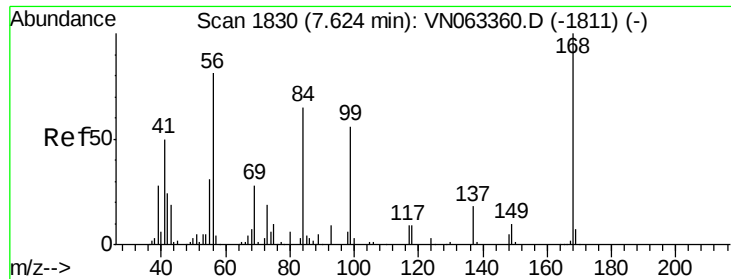
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	77372	18.781	ug/l	99
94) Hexachlorobutadiene	14.98	225	35982	21.098	ug/l	99
95) Naphthalene	15.10	128	253451	18.622	ug/l	98
96) 1,2,3-Trichlorobenzene	15.28	180	75187	18.889	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN063479.D

Acq: 21 Sep 2020 12:34

Instrument :

MSVOA_N

ClientSampled :

VN0921MBS01

Tot Ion:168 Resp: 281425

Ion Ratio Lower Upper

168 100

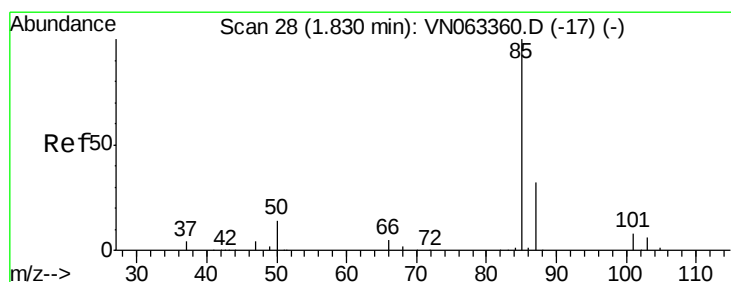
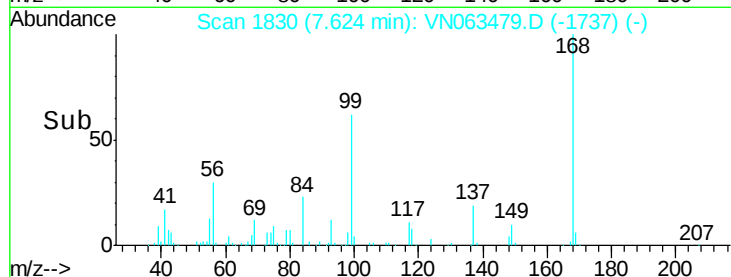
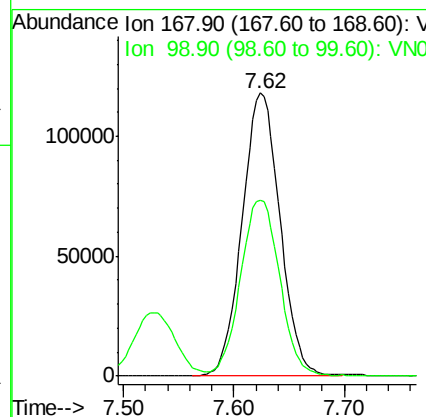
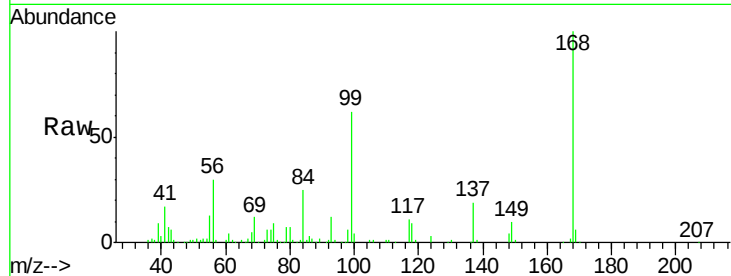
99 61.9 53.0 79.6

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 17.964 ug/l

RT: 1.83 min Scan# 28

Delta R.T. -0.00 min

Lab File: VN063479.D

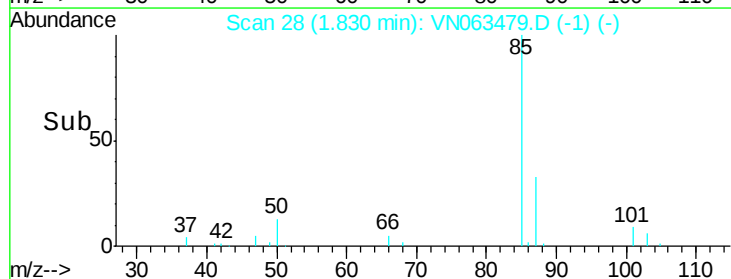
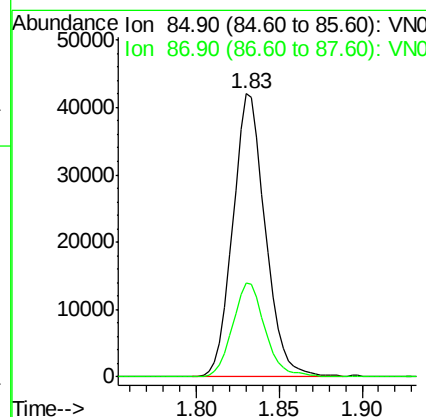
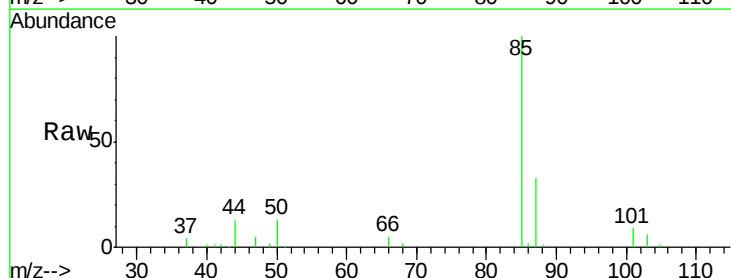
Acq: 21 Sep 2020 12:34

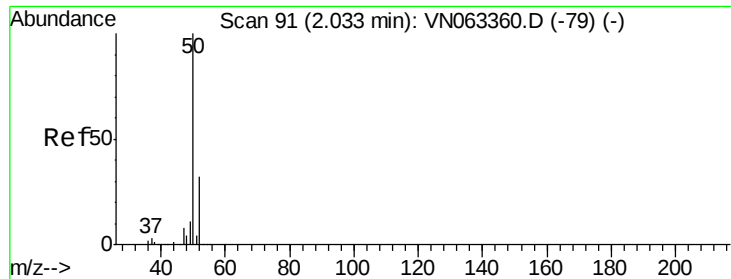
Tgt Ion: 85 Resp: 57273

Ion Ratio Lower Upper

85 100

87 33.1 15.9 47.6





#3

Chloromethane

Concen: 16.360 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN063479.D

Acq: 21 Sep 2020 12:34

Instrument :

MSVOA_N

ClientSampleId :

VN0921MBS01

Tot Ion: 50 Resp: 69004

Ion Ratio Lower Upper

50 100

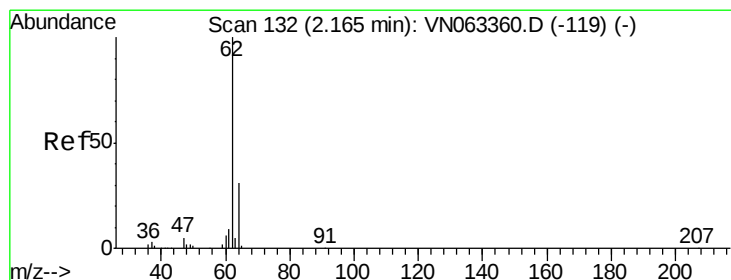
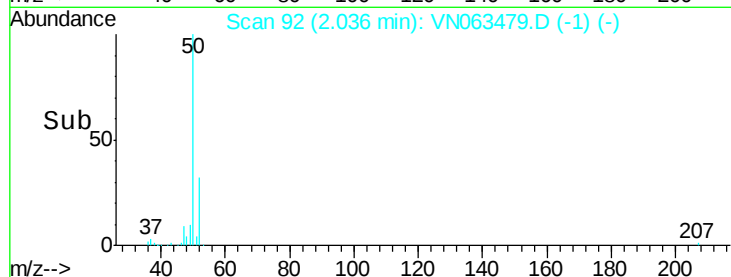
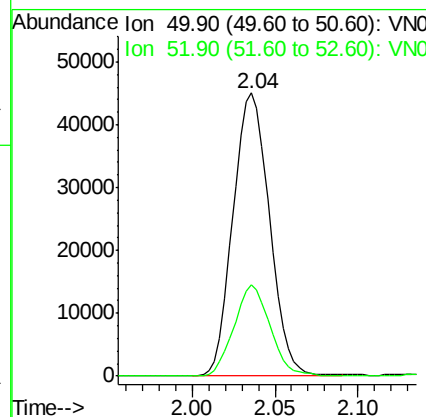
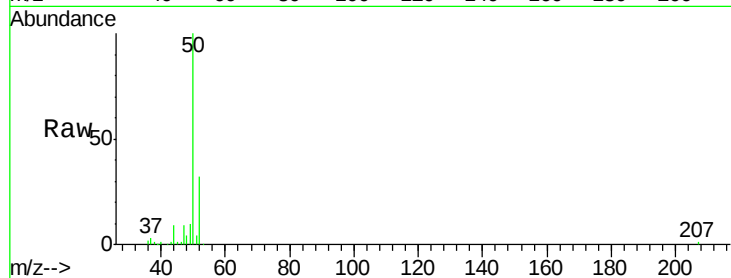
52 32.2 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.096 ug/l

RT: 2.16 min Scan# 132

Delta R.T. -0.00 min

Lab File: VN063479.D

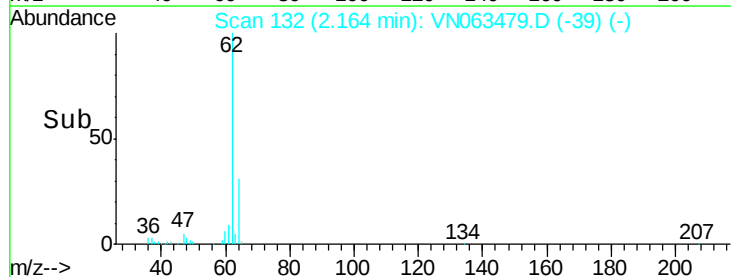
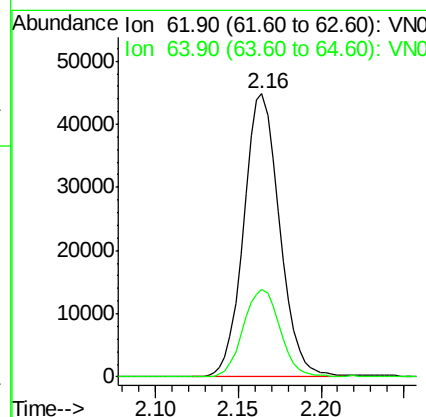
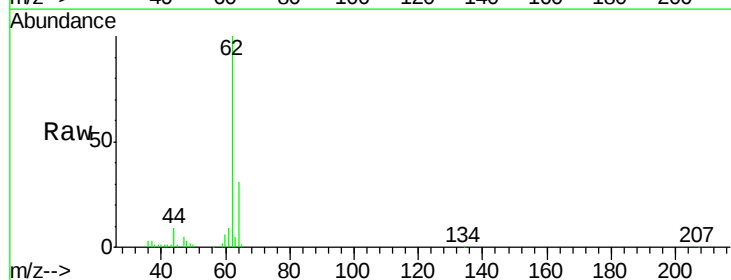
Acq: 21 Sep 2020 12:34

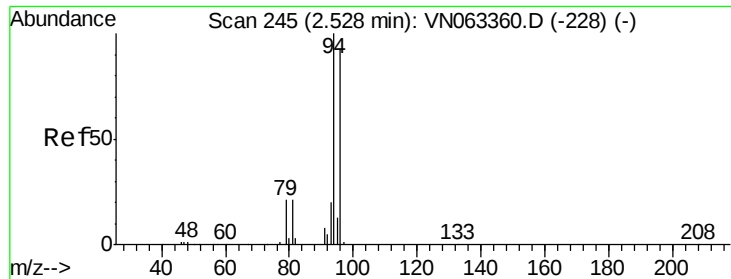
Tgt Ion: 62 Resp: 67623

Ion Ratio Lower Upper

62 100

64 30.7 25.1 37.7





#5

Bromomethane

Concen: 20.518 ug/l

RT: 2.53 min Scan# 245

Delta R.T. -0.00 min

Lab File: VN063479.D

Acq: 21 Sep 2020 12:34

Instrument :

MSVOA_N

ClientSampleId :

VN0921MBS01

Tot Ion: 94 Resp: 45524

Ion Ratio Lower Upper

94 100

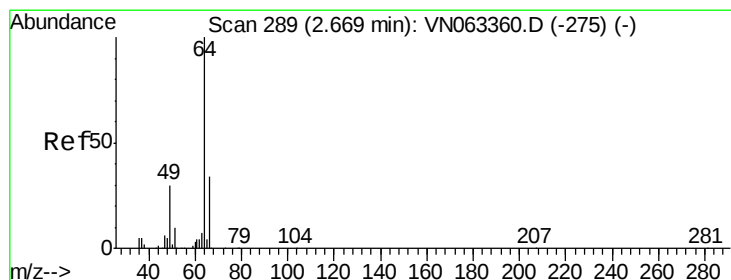
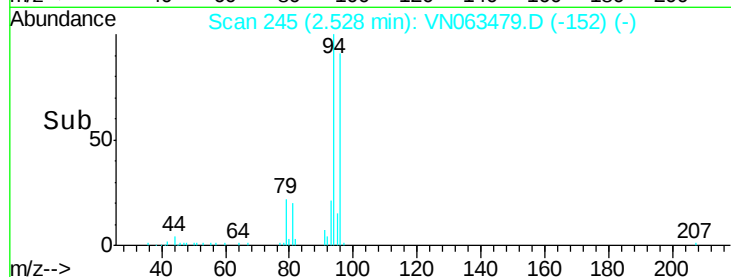
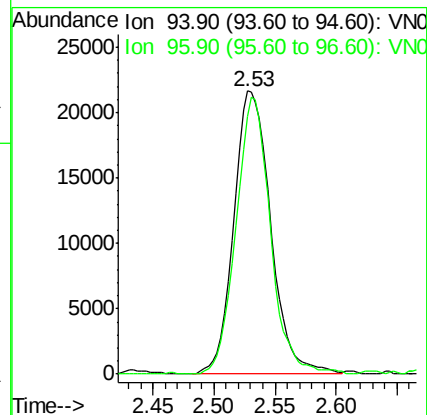
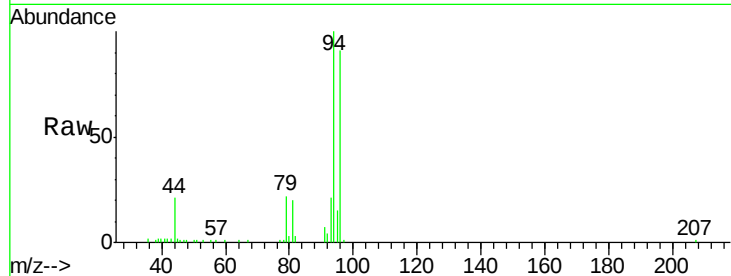
96 91.2 74.5 111.7

Manual Integrations

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#6

Chloroethane

Concen: 17.338 ug/l

RT: 2.67 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN063479.D

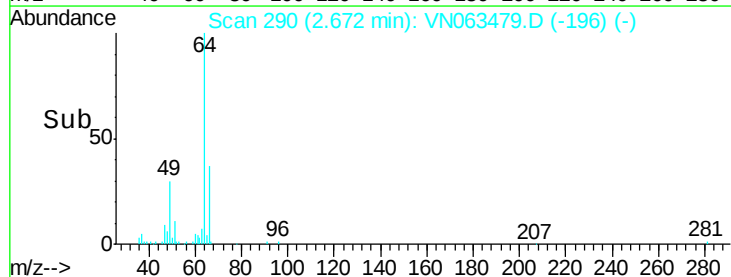
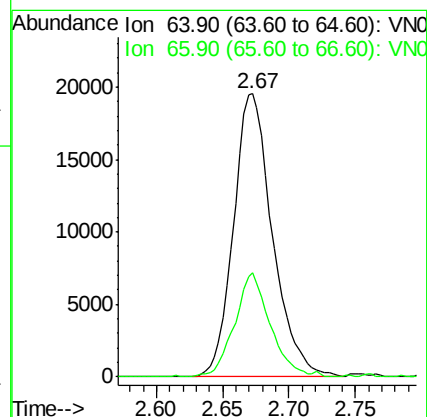
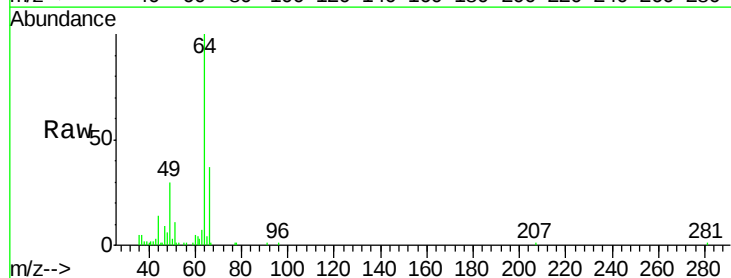
Acq: 21 Sep 2020 12:34

Tgt Ion: 64 Resp: 39771

Ion Ratio Lower Upper

64 100

66 36.6 26.9 40.3





#7

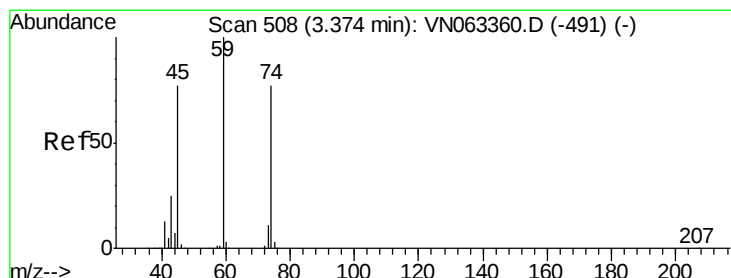
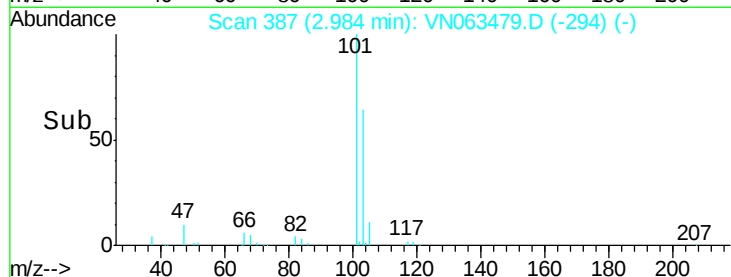
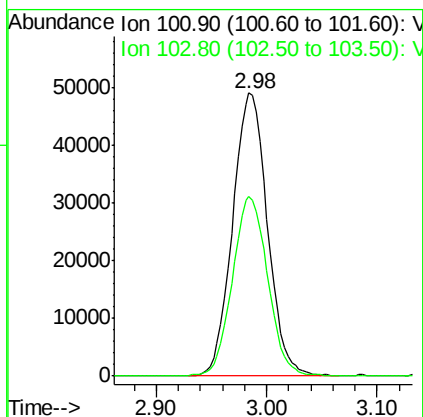
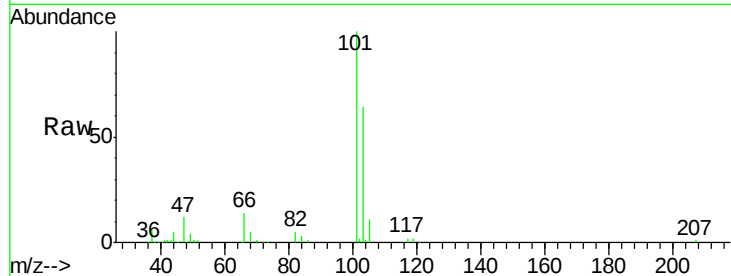
Trichlorofluoromethane
 Concen: 19.236 ug/l
 RT: 2.98 min Scan# 387
 Delta R.T. -0.00 min
 Lab File: VN063479.D
 Acq: 21 Sep 2020 12:34

Instrument :
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 ClientSampleId :
 VN0921MBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	107246		
103	63.6	52.3	78.5	

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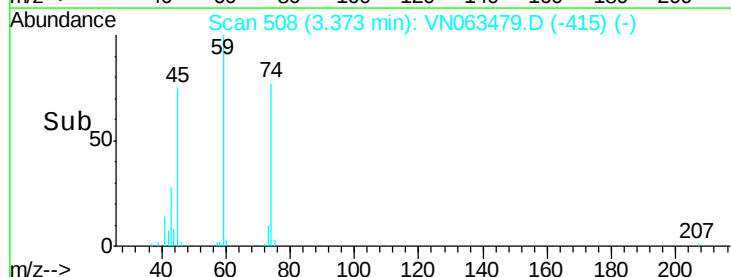
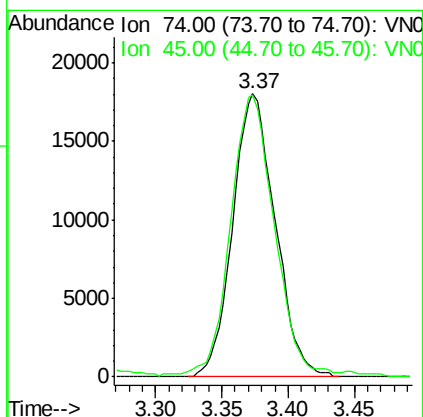
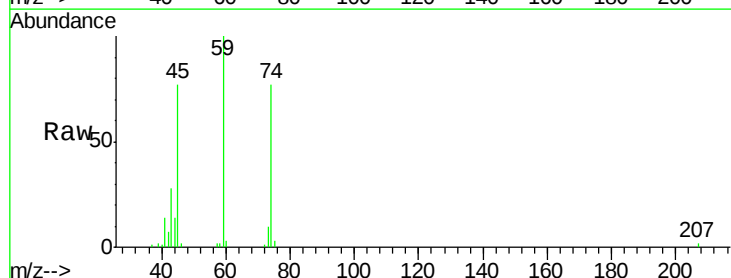
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 9/22/2020 2:07:05 PM

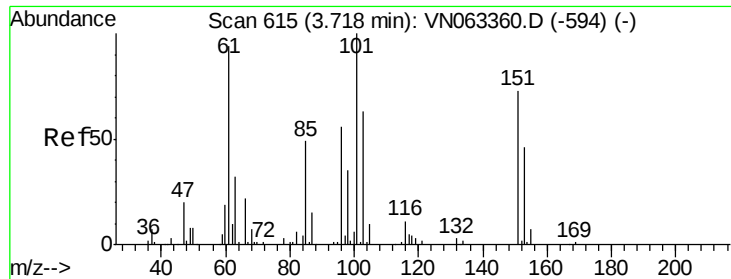


#8

Diethyl Ether
 Concen: 18.479 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VN063479.D
 Acq: 21 Sep 2020 12:34

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	40162		
45	103.0	52.1	156.4	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.084 ug/l

RT: 3.71 min Scan# 614

Delta R.T. -0.00 min

Lab File: VN063479.D

Acq: 21 Sep 2020 12:34

Instrument :

MSVOA_N

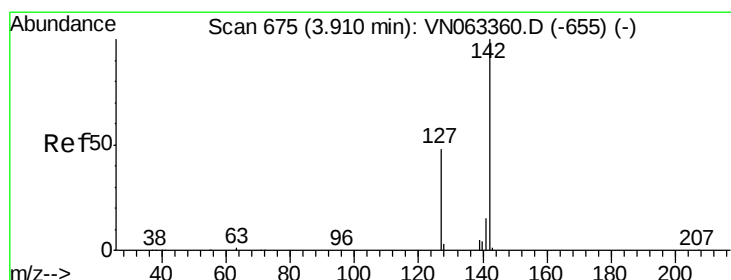
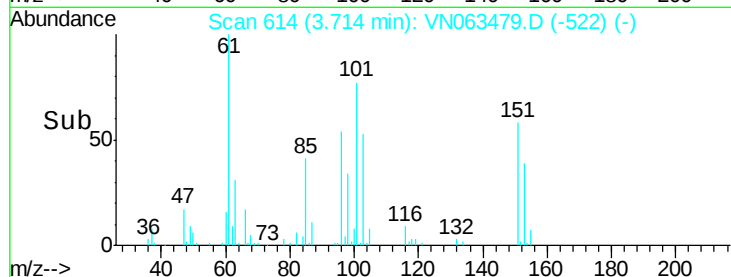
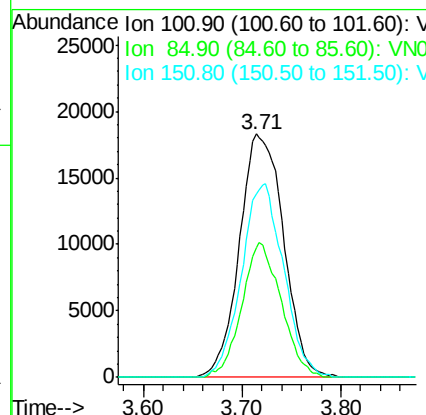
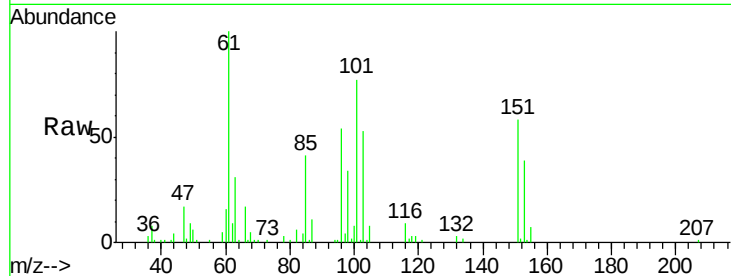
ClientSampleId :

VN0921MBS01

Tot Ion:	101	Resp:	56703
Ion Ratio	Lower	Upper	
101	100		
85	49.4	37.7	56.5
151	75.8	57.7	86.5

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#10

Methyl Iodide

Concen: 17.900 ug/l

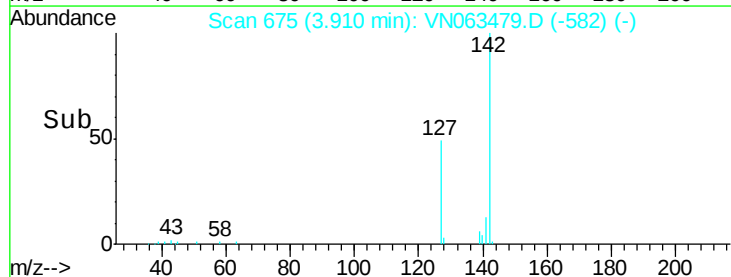
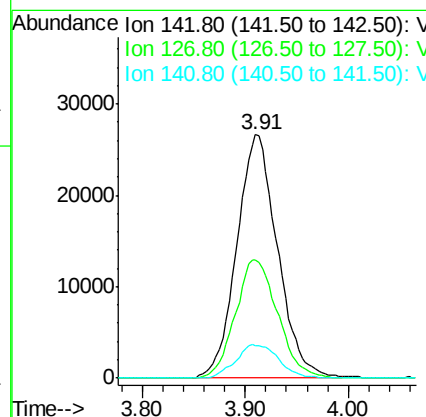
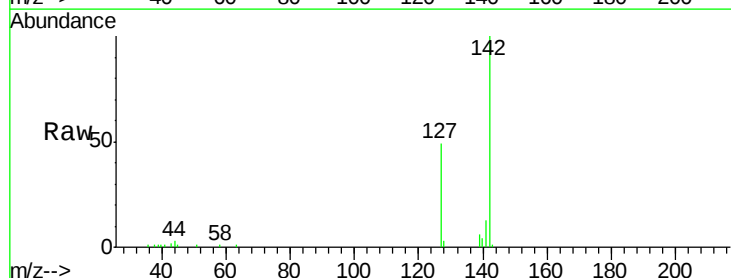
RT: 3.91 min Scan# 675

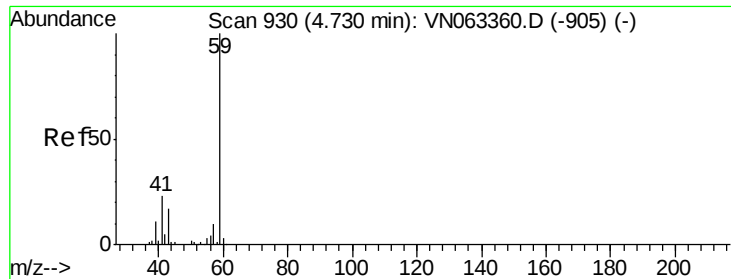
Delta R.T. -0.00 min

Lab File: VN063479.D

Acq: 21 Sep 2020 12:34

Tgt Ion:	142	Resp:	73073
Ion Ratio	Lower	Upper	
142	100		
127	50.4	39.0	58.6
141	14.3	11.6	17.4





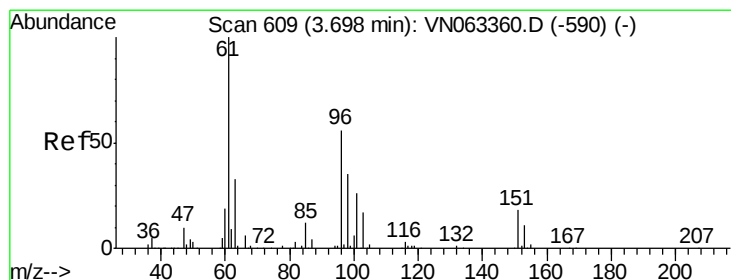
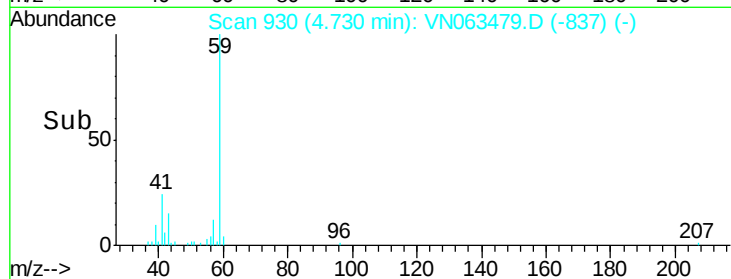
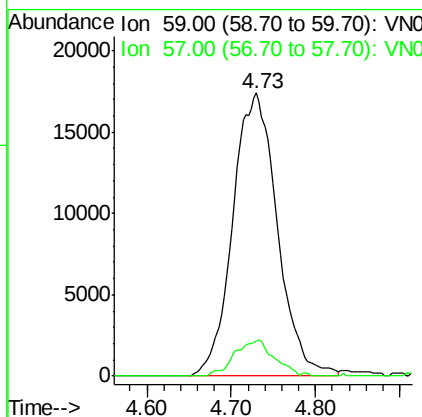
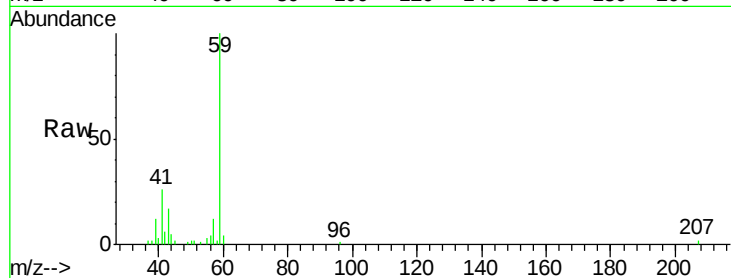
#11
Tert butyl alcohol
Concen: 96.235 ug/l
RT: 4.73 min Scan# 930
Delta R.T. -0.00 min
Lab File: VN063479.D
Acq: 21 Sep 2020 12:34

Instrument :
MSVOA_N
ClientSampleId :
VN0921MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.2	8.4	12.6

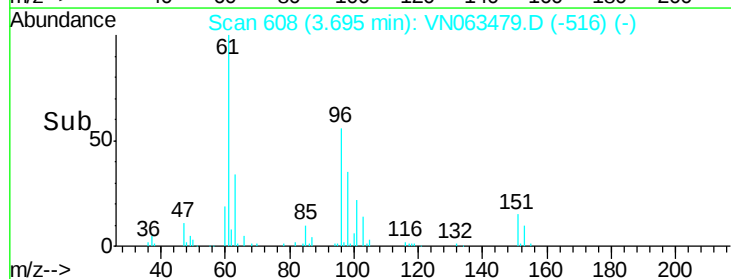
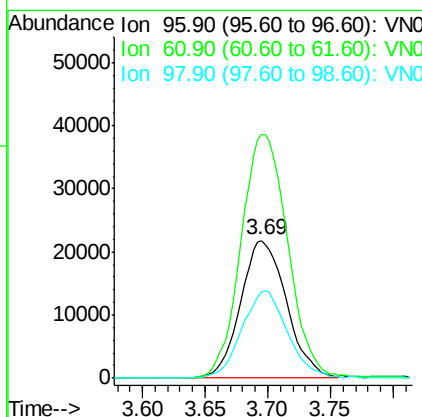
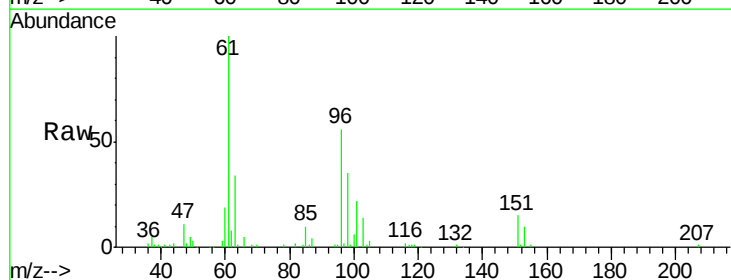
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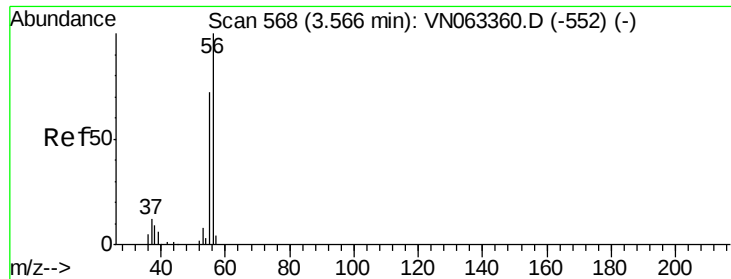
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#12
1,1-Dichloroethene
Concen: 17.488 ug/l
RT: 3.69 min Scan# 608
Delta R.T. -0.00 min
Lab File: VN063479.D
Acq: 21 Sep 2020 12:34

Tgt Ion	Ratio	Lower	Upper
96	100		
61	177.0	143.4	215.2
98	62.7	50.6	76.0





#13

Acrolein

Concen: 93.858 ug/l

RT: 3.57 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN063479.D

Acq: 21 Sep 2020 12:34

Instrument :

MSVOA_N

ClientSampleId :

VN0921MBS01

Tot Ion: 56 Resp: 23084

Ion Ratio Lower Upper

56 100

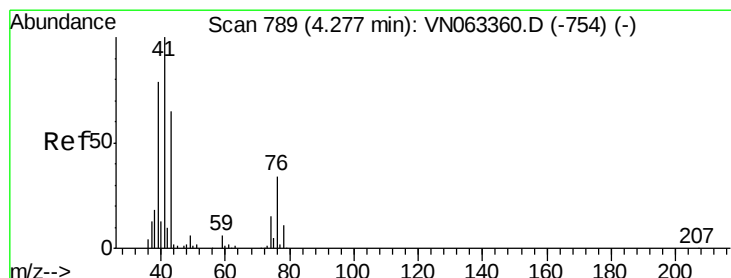
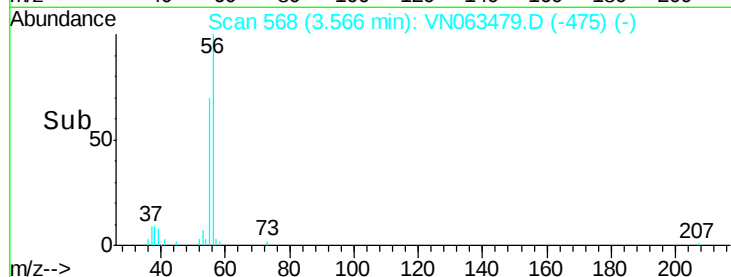
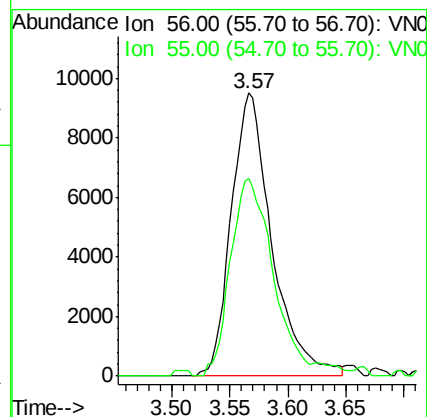
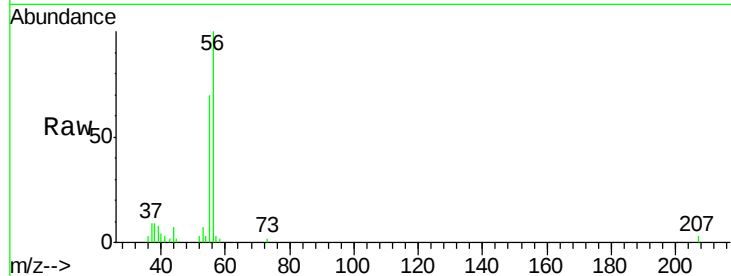
55 72.7 58.2 87.2

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#14

Allyl chloride

Concen: 17.400 ug/l

RT: 4.28 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN063479.D

Acq: 21 Sep 2020 12:34

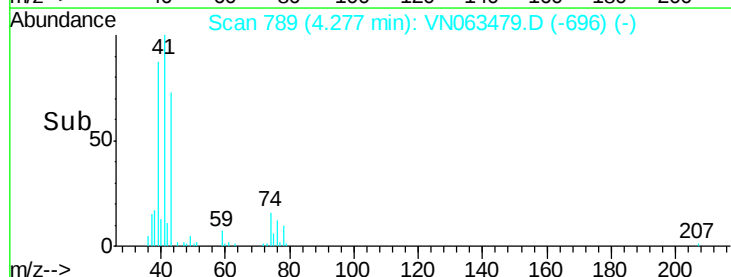
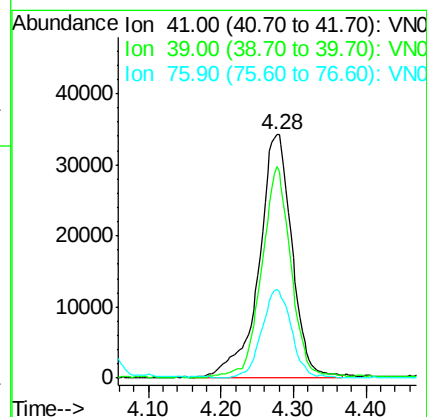
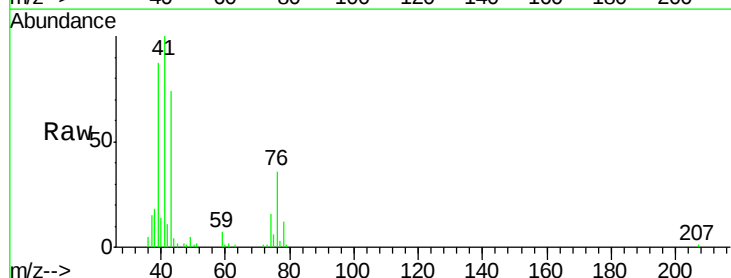
Tgt Ion: 41 Resp: 109305

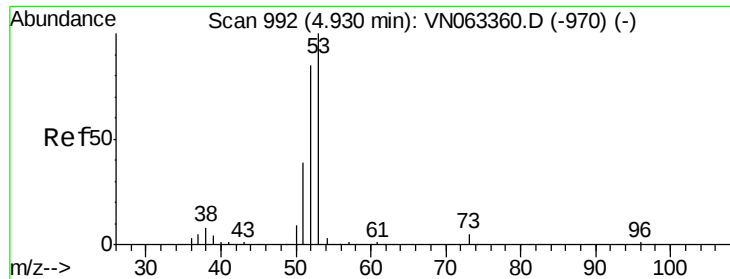
Ion Ratio Lower Upper

41 100

39 76.6 59.3 88.9

76 32.1 25.3 37.9





#15

Acrylonitrile

Concen: 92.184 ug/l

RT: 4.93 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN063479.D

Acq: 21 Sep 2020 12:34

Instrument :

MSVOA_N

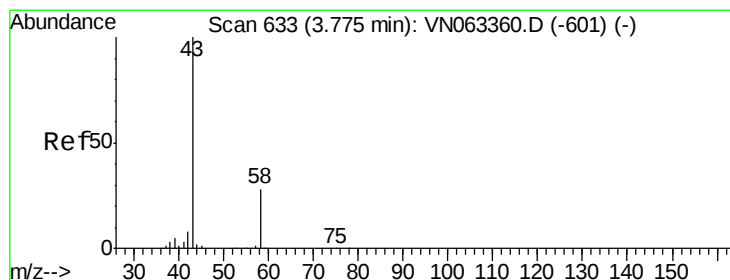
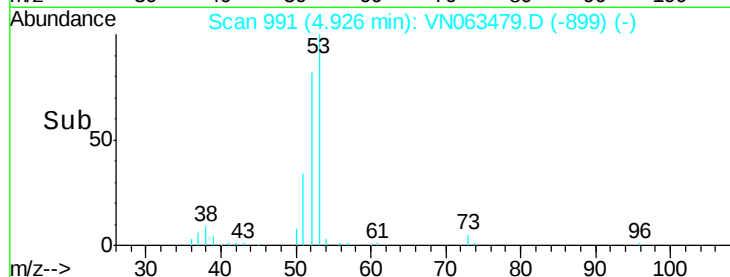
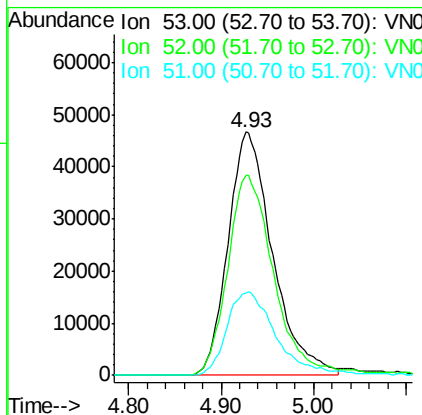
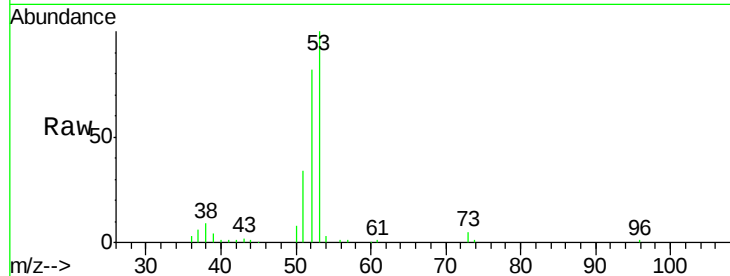
ClientSampleId :

VN0921MBS01

Tot Ion:	53	Resp:	155621
Ion Ratio	Lower	Upper	
53	100		
52	84.3	66.4	99.6
51	37.2	30.2	45.4

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#16

Acetone

Concen: 90.386 ug/l

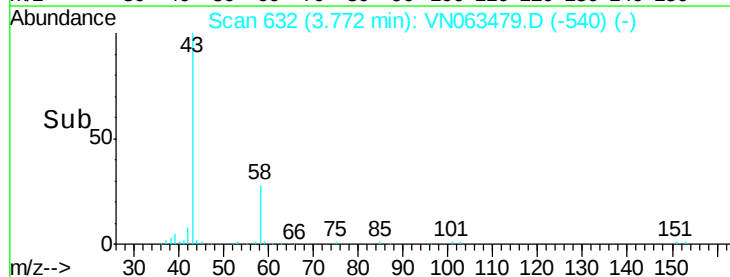
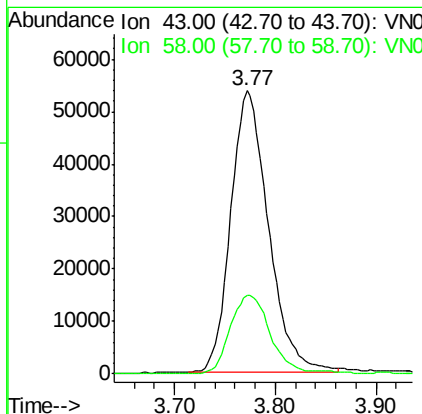
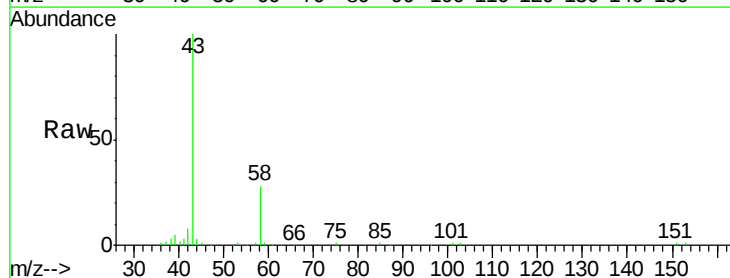
RT: 3.77 min Scan# 632

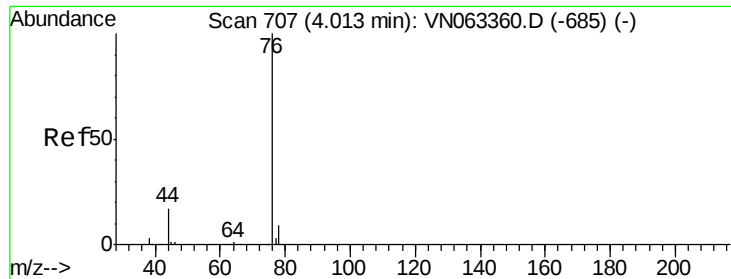
Delta R.T. -0.00 min

Lab File: VN063479.D

Acq: 21 Sep 2020 12:34

Tgt Ion:	43	Resp:	139160
Ion Ratio	Lower	Upper	
43	100		
58	27.8	22.3	33.5





#17

Carbon Disulfide

Concen: 16.734 ug/l

RT: 4.01 min Scan# 707

Delta R.T. -0.00 min

Lab File: VN063479.D

Acq: 21 Sep 2020 12:34

Instrument :

MSVOA_N

ClientSampleId :

VN0921MBS01

Tot Ion: 76 Resp: 154582

Ion Ratio Lower Upper

76 100

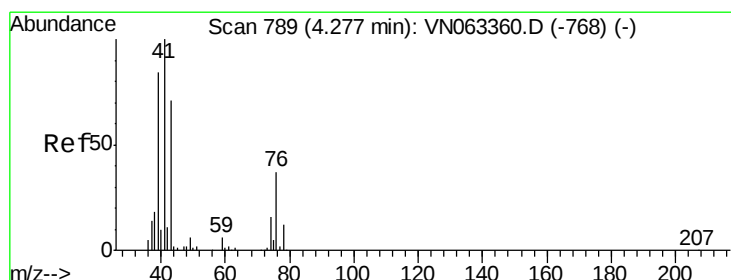
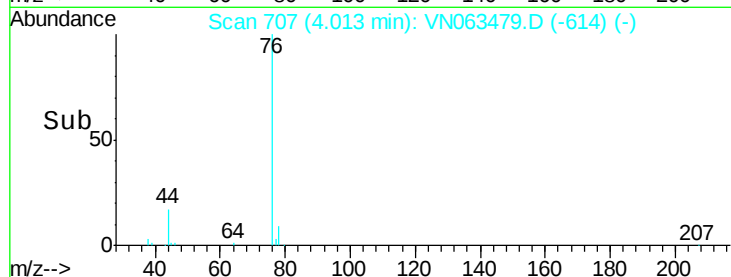
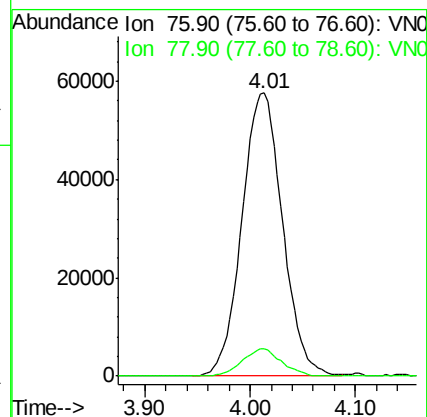
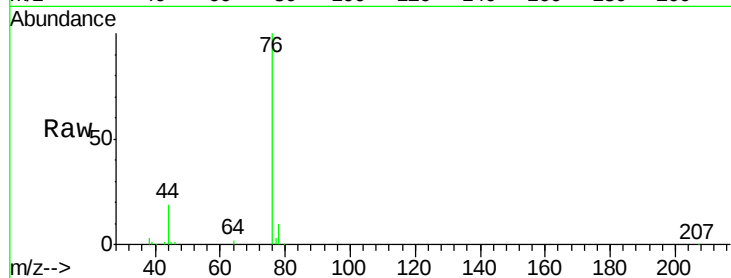
78 9.8 7.2 10.8

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#18

Methyl Acetate

Concen: 19.885 ug/l

RT: 4.28 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN063479.D

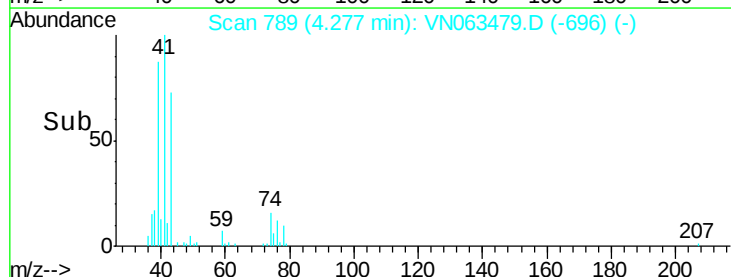
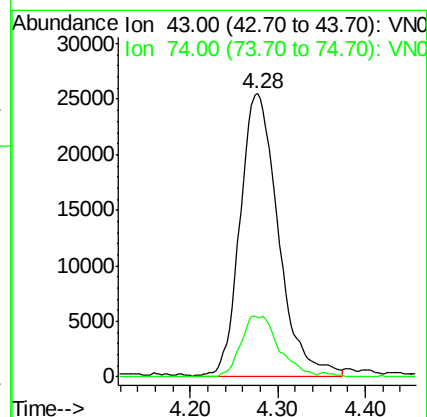
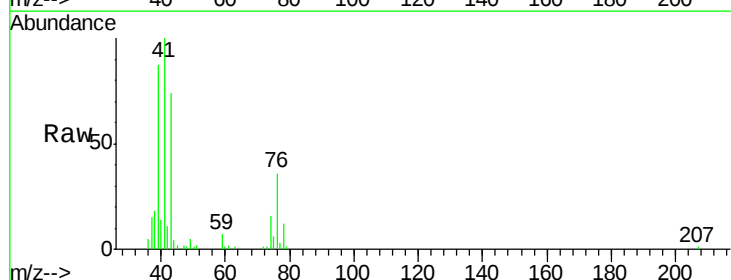
Acq: 21 Sep 2020 12:34

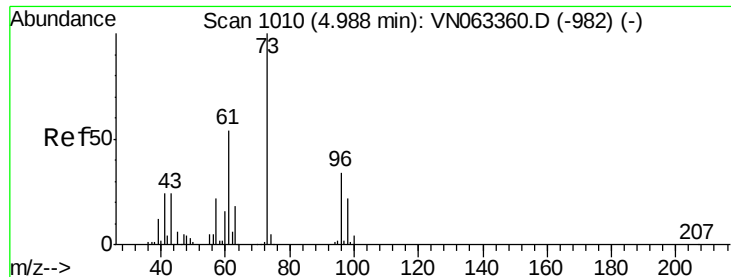
Tgt Ion: 43 Resp: 77720

Ion Ratio Lower Upper

43 100

74 21.2 17.4 26.2





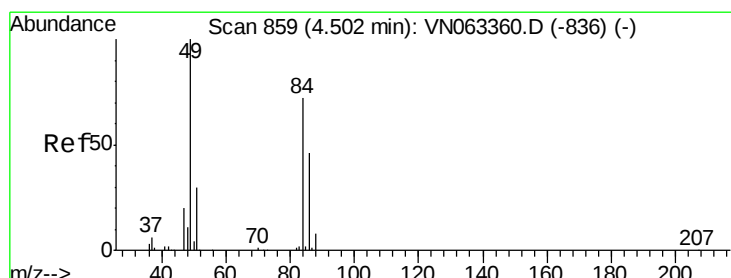
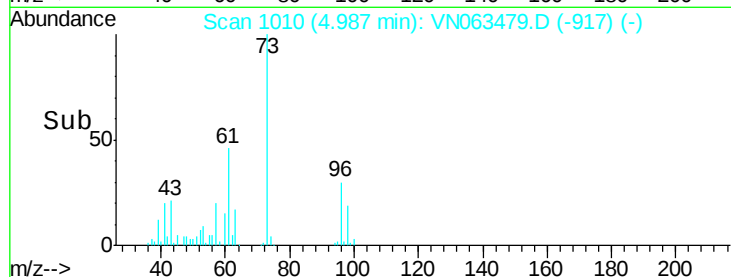
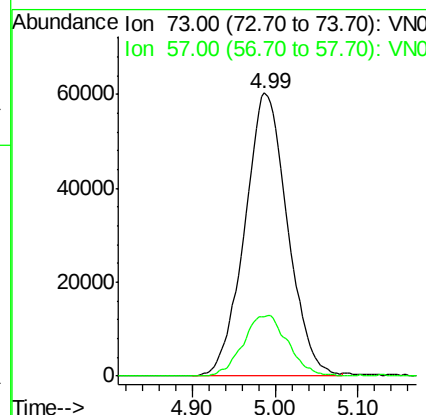
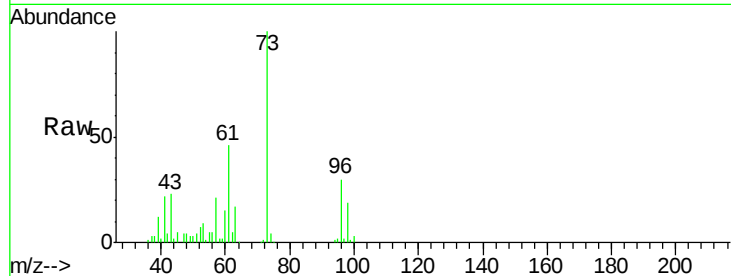
#19
Methvl tert-butvl Ether
Concen: 18.294 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VN063479.D
Acq: 21 Sep 2020 12:34

Instrument :
MSVOA_N
ClientSampleId :
VN0921MBS01

Tot Ion: 73 Resp: 216541
Ion Ratio Lower Upper
73 100
57 20.9 17.9 26.9

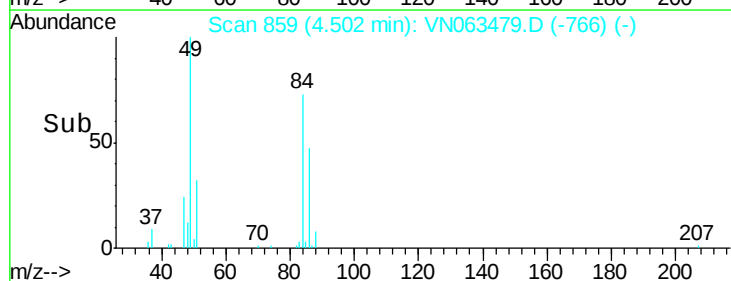
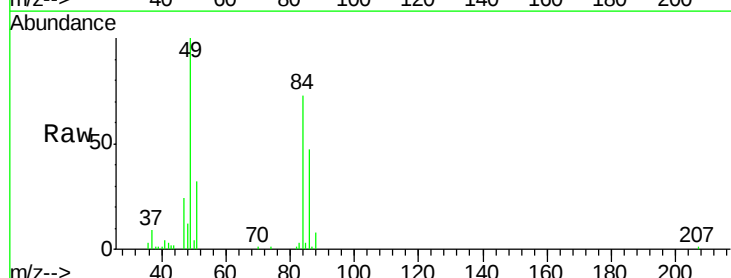
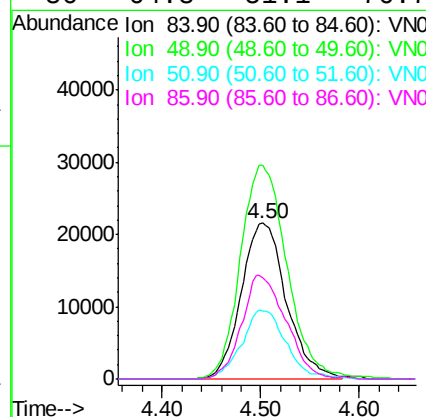
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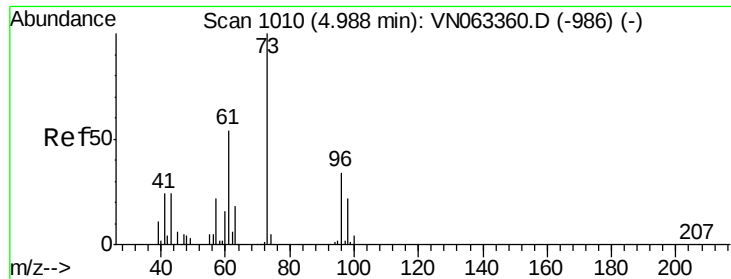
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#20
Methylene Chloride
Concen: 17.549 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN063479.D
Acq: 21 Sep 2020 12:34

Tgt Ion: 84 Resp: 68457
Ion Ratio Lower Upper
84 100
49 137.0 110.7 166.1
51 43.8 32.9 49.3
86 64.8 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 17.572 ug/l

RT: 4.99 min Scan# 1010

Delta R.T. -0.00 min

Lab File: VN063479.D

Acq: 21 Sep 2020 12:34

Instrument :

MSVOA_N

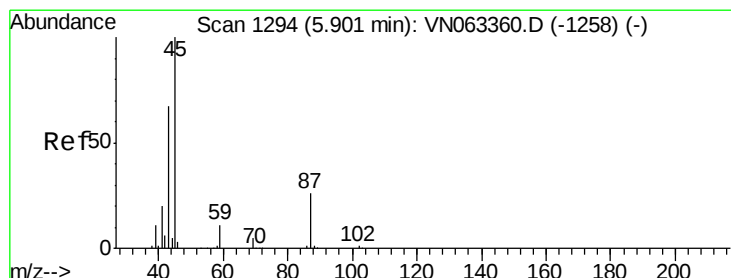
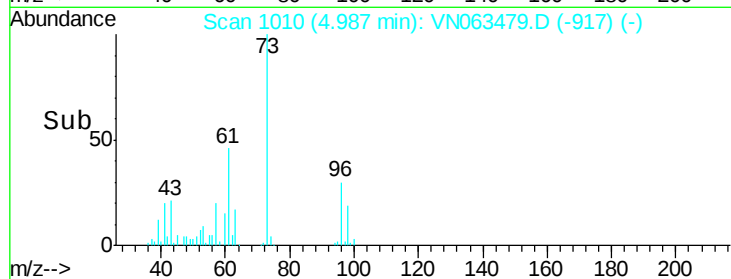
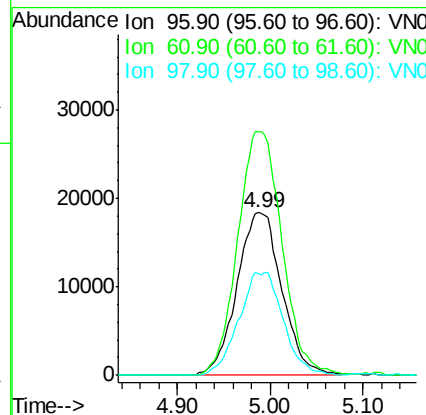
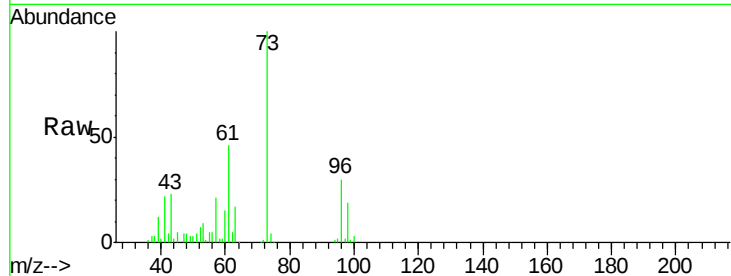
ClientSampleId :

VN0921MBS01

Tot Ion:	96	Resp:	61829
Ion	Ratio	Lower	Upper
96	100		
61	149.7	126.2	189.4
98	62.5	51.0	76.4

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#22

Diisopropyl ether

Concen: 17.577 ug/l

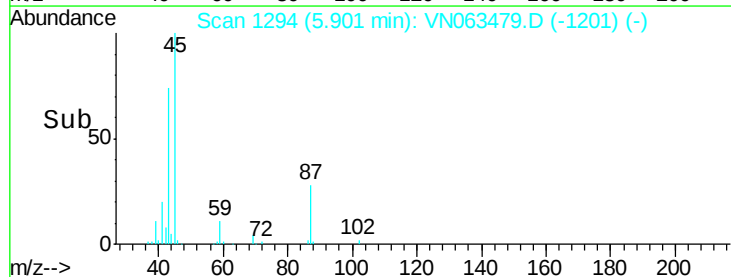
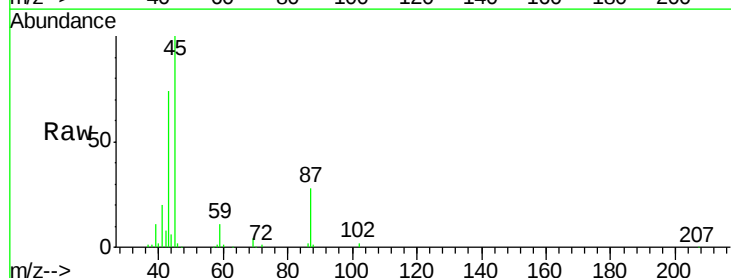
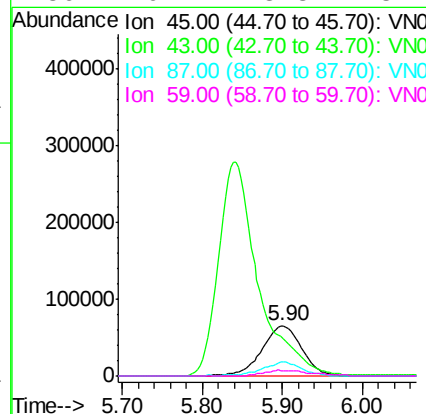
RT: 5.90 min Scan# 1294

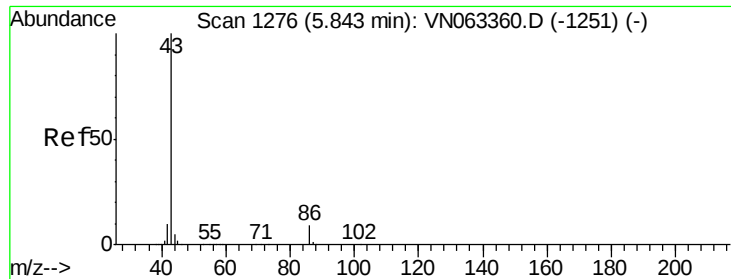
Delta R.T. -0.00 min

Lab File: VN063479.D

Acq: 21 Sep 2020 12:34

Tgt Ion:	45	Resp:	225188
Ion	Ratio	Lower	Upper
45	100		
43	70.7	53.5	80.3
87	27.4	21.2	31.8
59	10.7	8.8	13.2





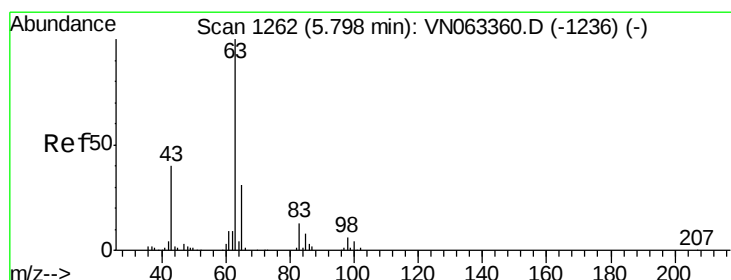
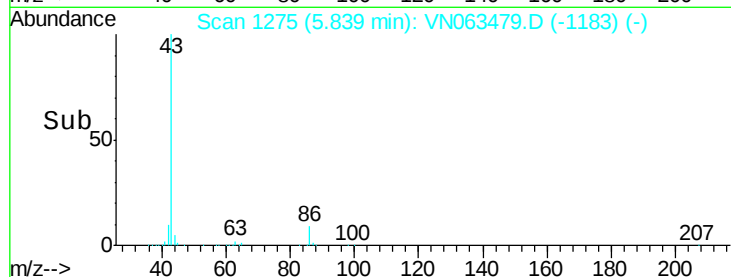
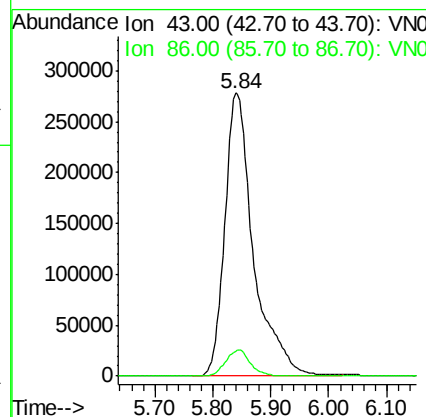
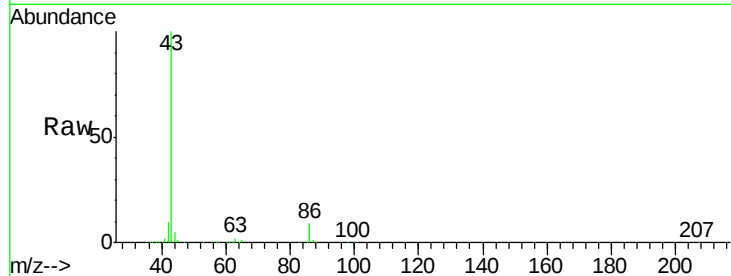
#23
 Vinyl Acetate
 Concen: 91.330 ug/l
 RT: 5.84 min Scan# 1275
 Delta R.T. -0.00 min
 Lab File: VN063479.D
 Acq: 21 Sep 2020 12:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
86	8.8	7.1	10.7

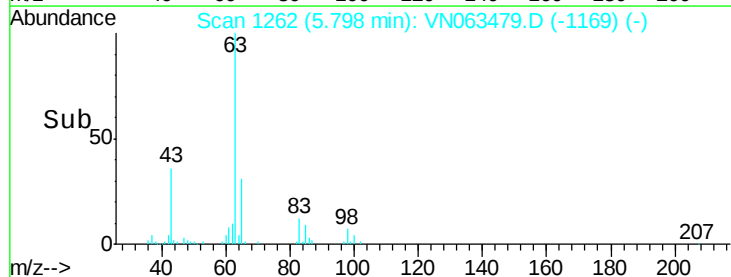
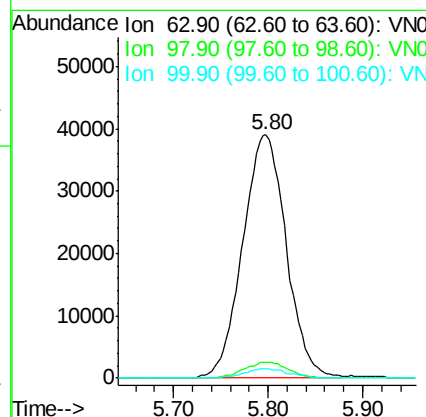
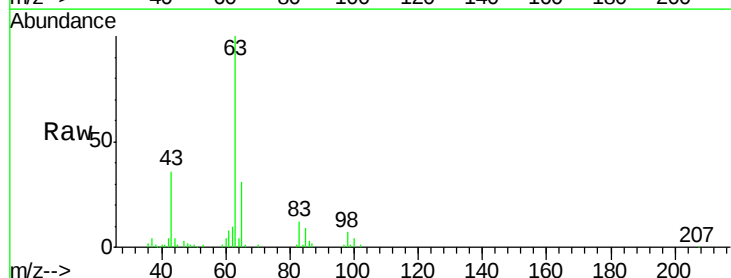
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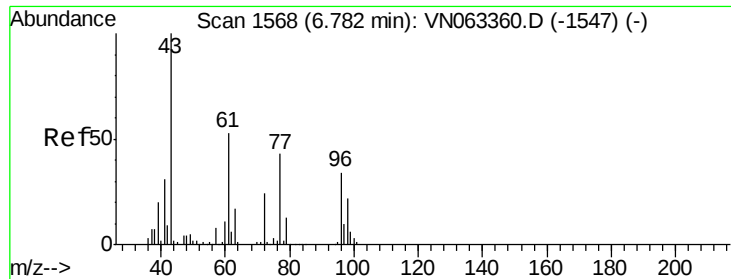
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#24
 1,1-Dichloroethane
 Concen: 17.810 ug/l
 RT: 5.80 min Scan# 1262
 Delta R.T. -0.00 min
 Lab File: VN063479.D
 Acq: 21 Sep 2020 12:34

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.6	2.9	8.8
100	4.1	2.1	6.3





#25

2-Butanone

Concen: 93.640 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN063479.D

Acq: 21 Sep 2020 12:34

Instrument :

MSVOA_N

ClientSampled :

VN0921MBS01

Tot Ion: 43 Resp: 221729

Ion Ratio Lower Upper

43 100

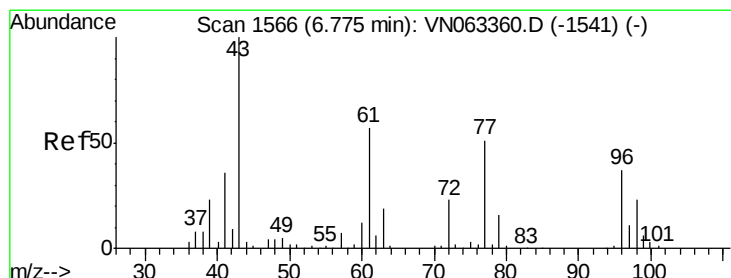
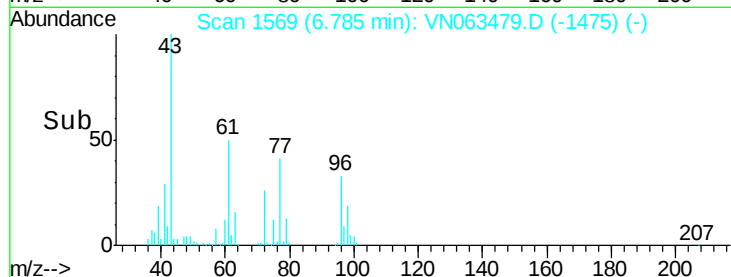
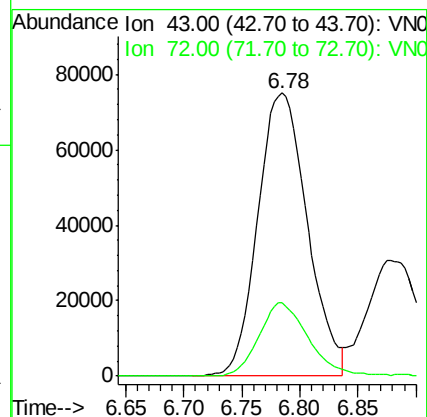
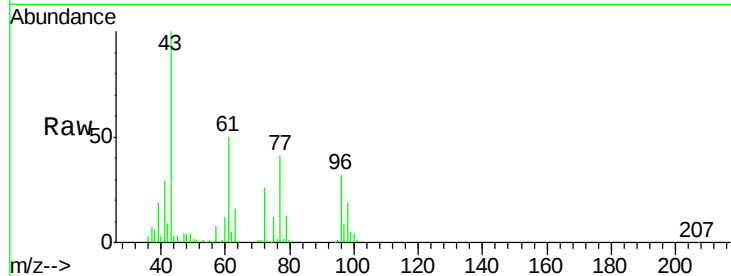
72 26.0 19.2 28.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 17.803 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN063479.D

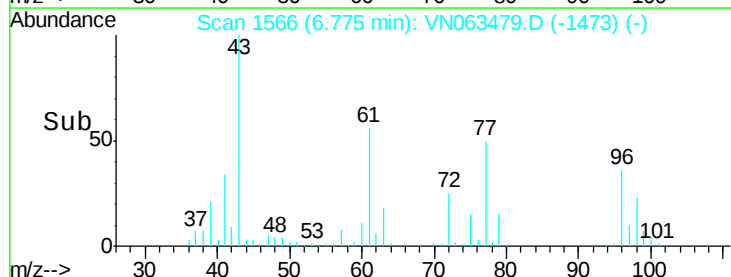
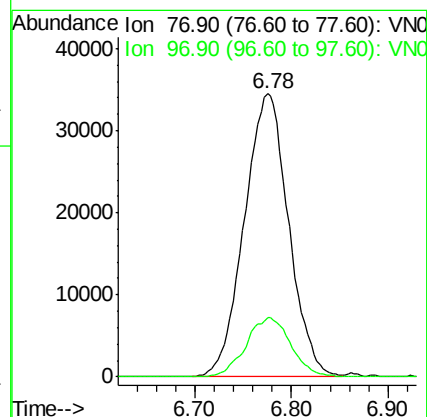
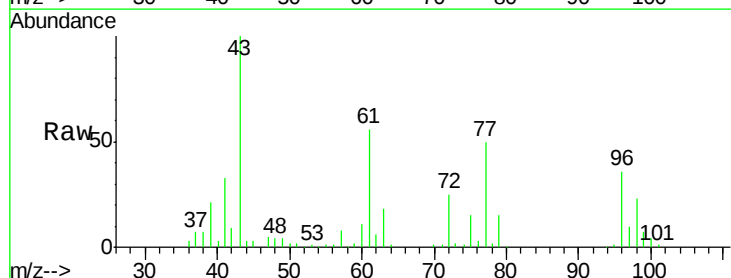
Acq: 21 Sep 2020 12:34

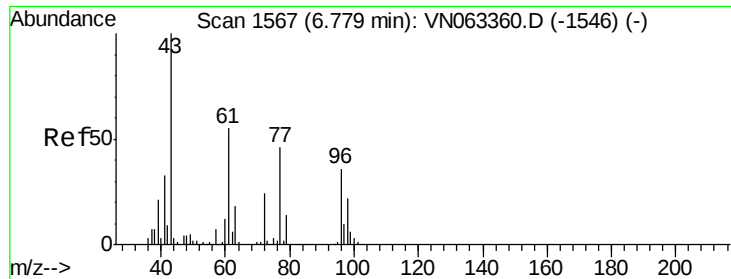
Tgt Ion: 77 Resp: 109641

Ion Ratio Lower Upper

77 100

97 21.1 10.5 31.6





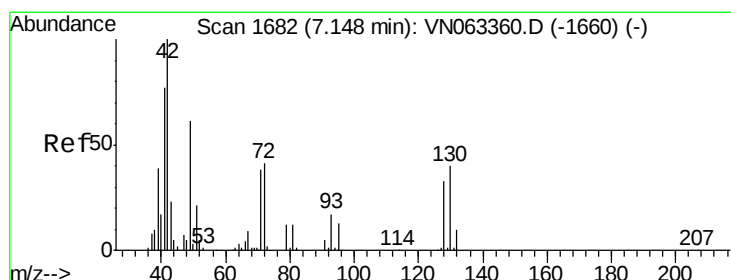
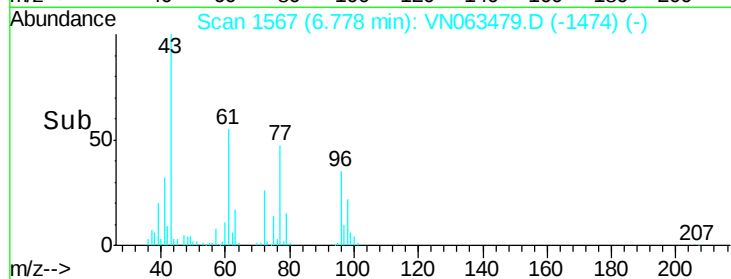
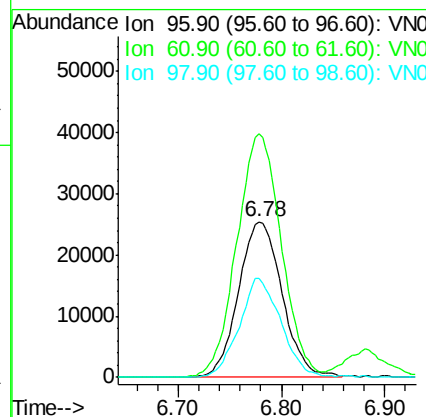
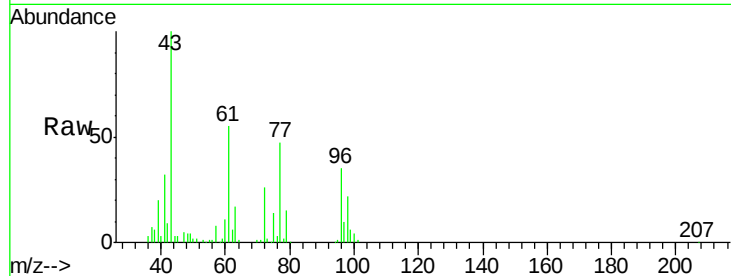
#27
 cis-1,2-Dichloroethene
 Concen: 18.795 ug/l
 RT: 6.78 min Scan# 1567
 Delta R.T. -0.00 min
 Lab File: VN063479.D
 Acq: 21 Sep 2020 12:34

Instrument :
 MSVOA_N
 ClientSampled :
 VN0921MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	159.2	0.0	319.6
98	60.6	0.0	127.8

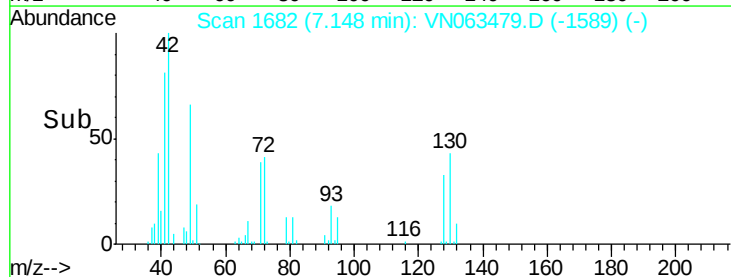
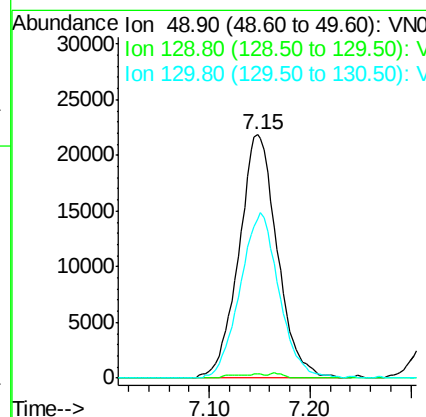
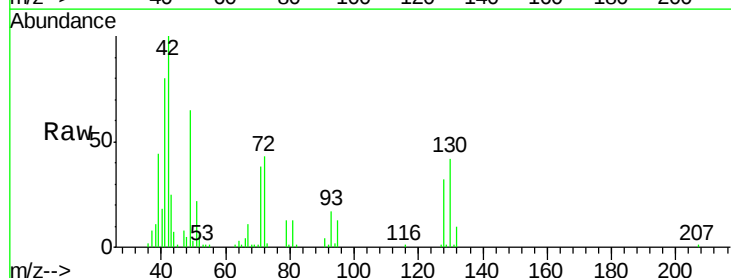
Manual Integrations
 APPROVED

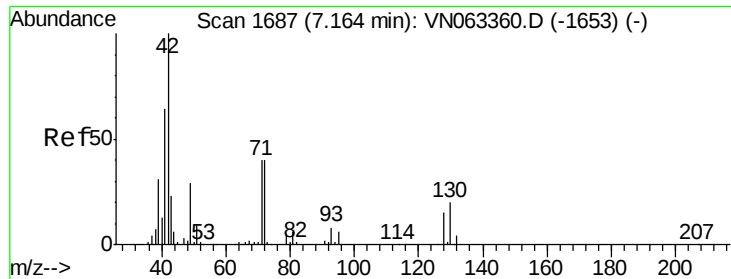
MMDadoda
 9/22/2020 2:07:05 PM



#28
 Bromochloromethane
 Concen: 17.855 ug/l
 RT: 7.15 min Scan# 1682
 Delta R.T. -0.00 min
 Lab File: VN063479.D
 Acq: 21 Sep 2020 12:34

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.6	0.0	3.8
130	69.0	52.2	78.2





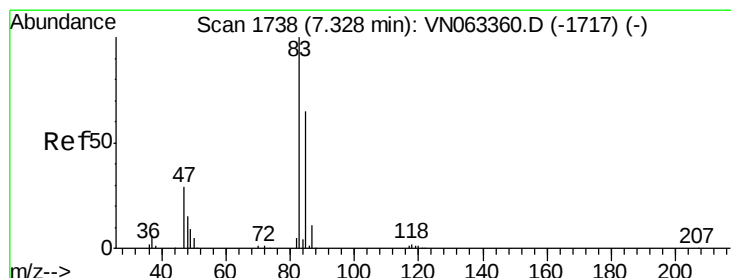
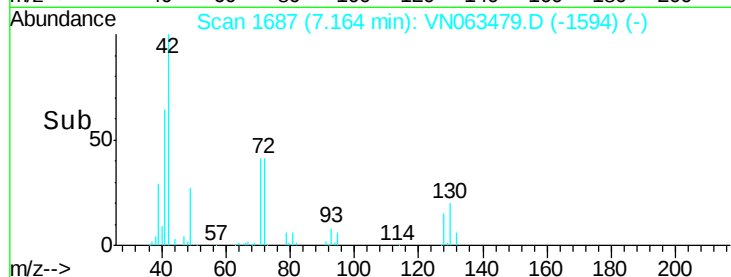
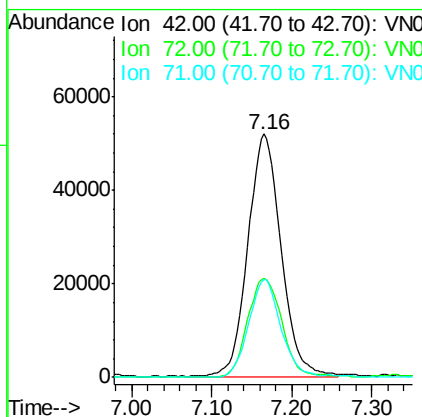
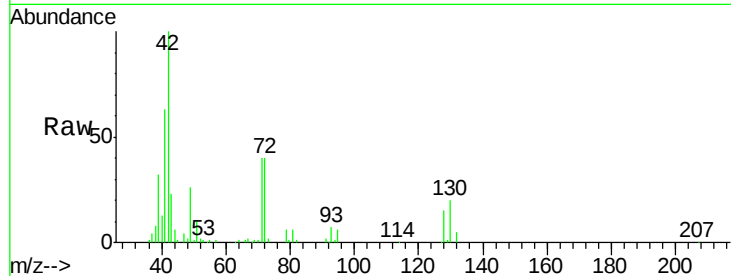
#29
Tetrahydrofuran
Concen: 90.736 ug/l
RT: 7.16 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VN063479.D
Acq: 21 Sep 2020 12:34

Instrument :
MSVOA_N
ClientSampleId :
VN0921MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.8	32.1	48.1
71	39.1	31.2	46.8

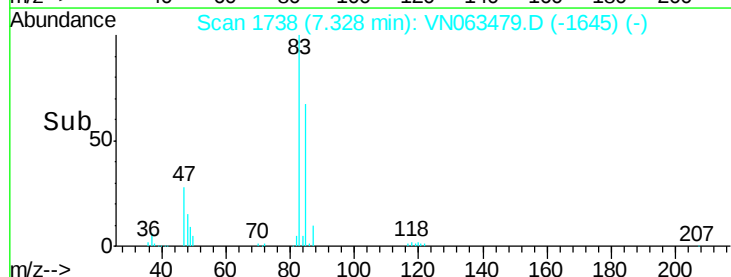
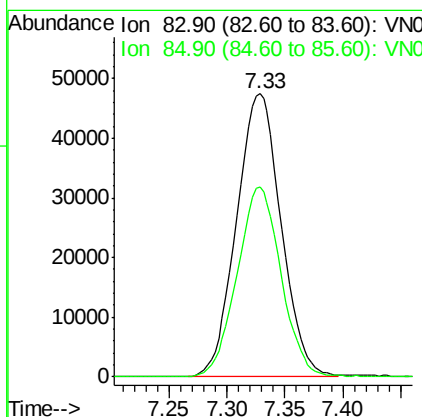
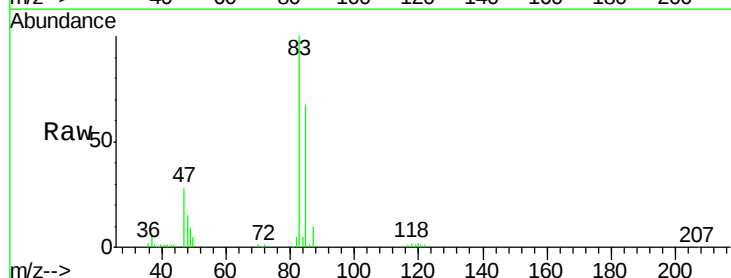
Manual Integrations
APPROVED

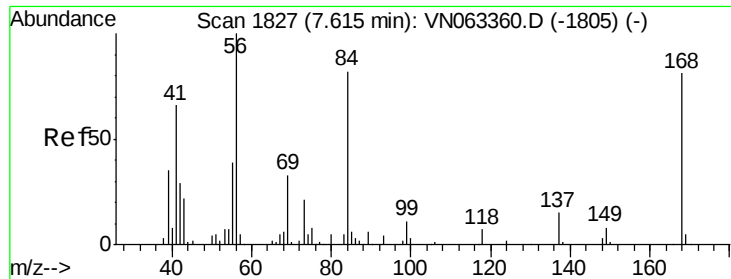
MMDadoda
9/22/2020 2:07:05 PM



#30
Chloroform
Concen: 18.075 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN063479.D
Acq: 21 Sep 2020 12:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.2	52.1	78.1





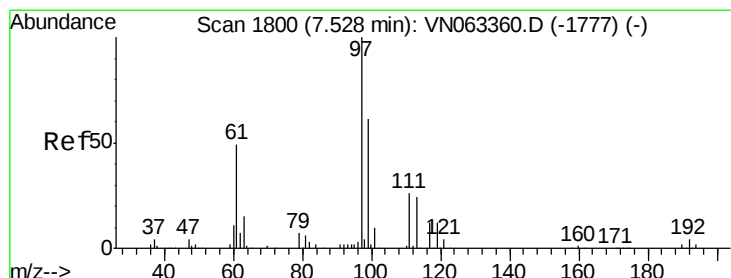
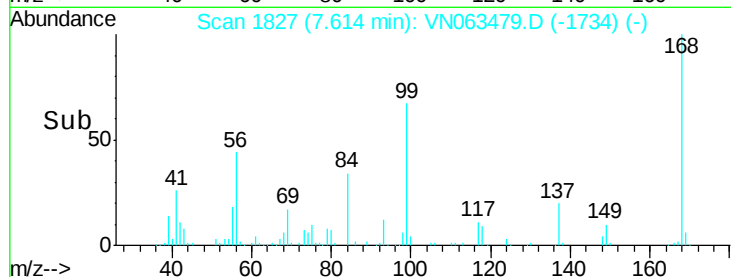
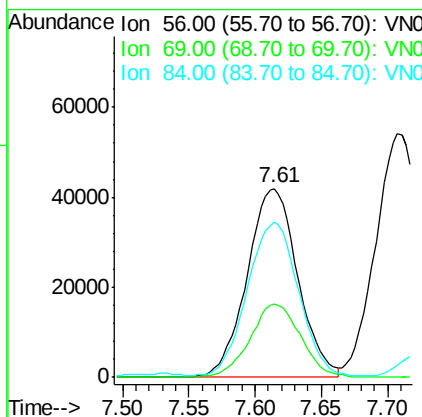
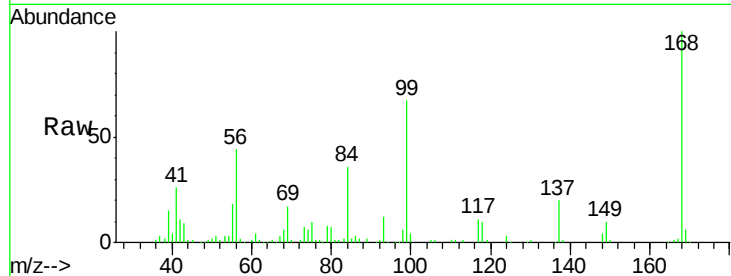
#31
Cyclohexane
Concen: 16.878 ug/l
RT: 7.61 min Scan# 1827
Delta R.T. -0.00 min
Lab File: VN063479.D
Acq: 21 Sep 2020 12:34

Instrument :
MSVOA_N
ClientSampleId :
VN0921MBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.7	26.1	39.1
84	80.9	65.4	98.2

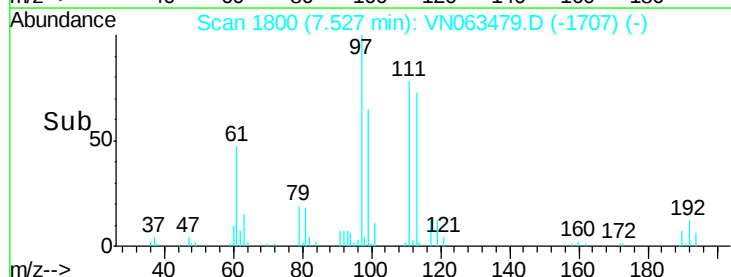
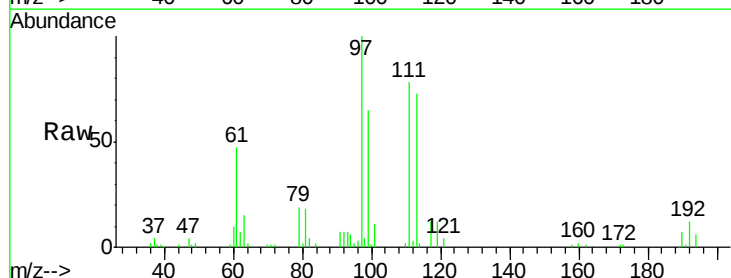
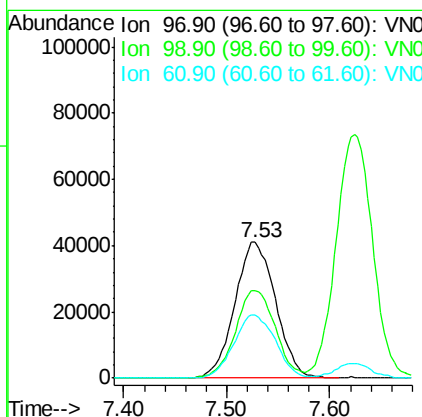
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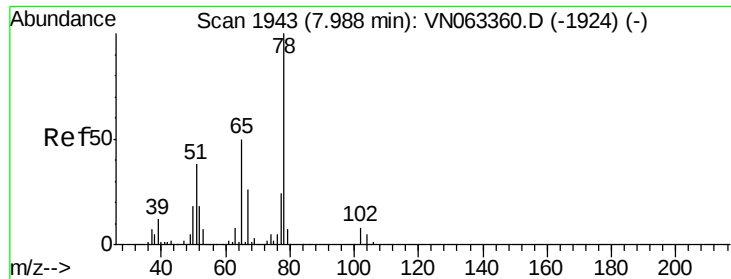
MMDadoda
9/22/2020 2:07:05 PM



#32
1,1,1-Trichloroethane
Concen: 18.108 ug/l
RT: 7.53 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VN063479.D
Acq: 21 Sep 2020 12:34

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.2	50.6	76.0
61	47.3	39.2	58.8





#33

1,2-Dichloroethane-d4

Concen: 50.380 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VN063479.D

Acq: 21 Sep 2020 12:34

Instrument :

MSVOA_N

ClientSampleId :

VN0921MBS01

Tot Ion: 65 Resp: 241348

Ion Ratio Lower Upper

65 100

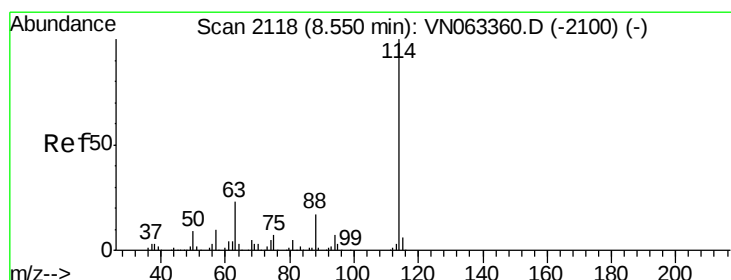
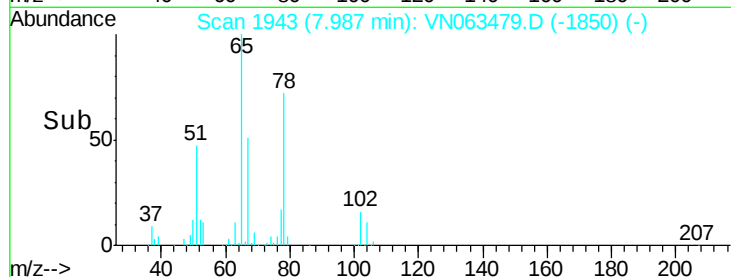
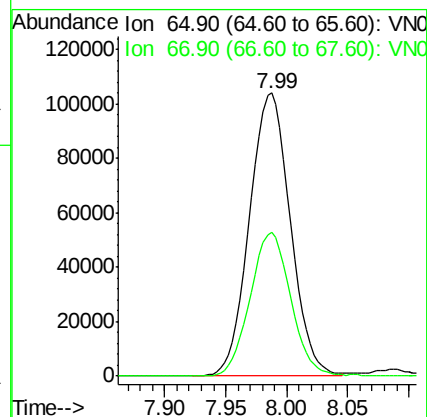
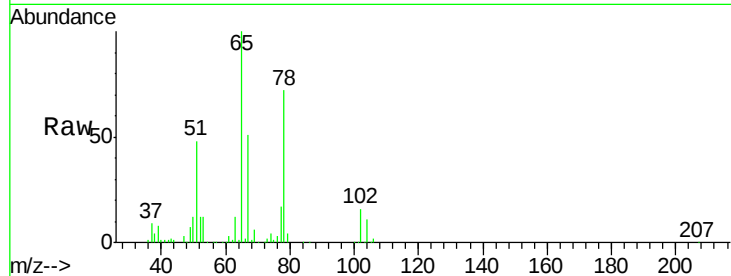
67 50.2 0.0 104.2

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN063479.D

Acq: 21 Sep 2020 12:34

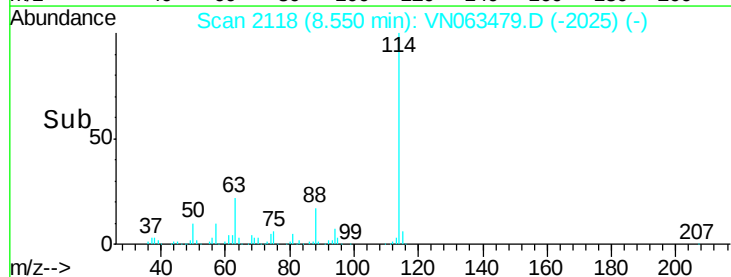
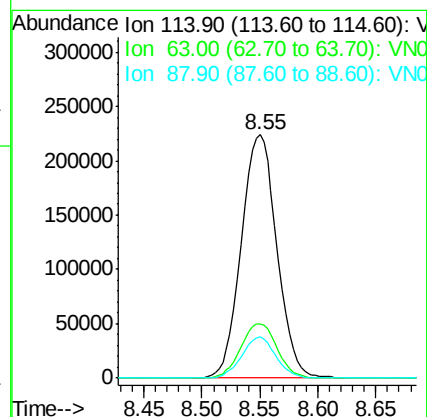
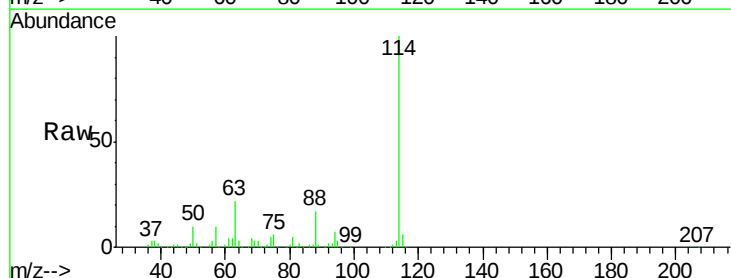
Tgt Ion: 114 Resp: 477316

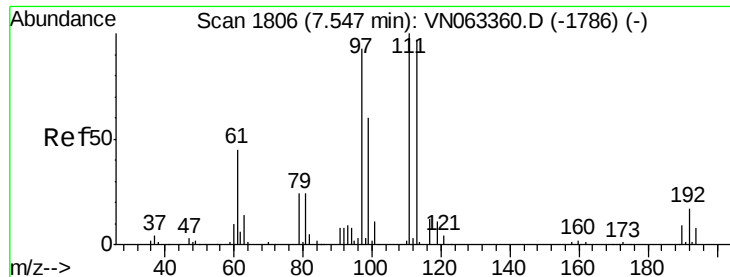
Ion Ratio Lower Upper

114 100

63 22.3 0.0 46.4

88 16.9 0.0 33.2





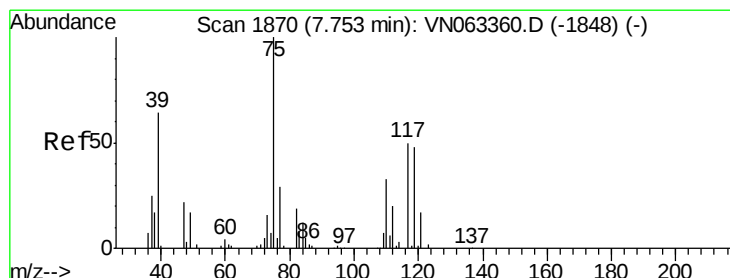
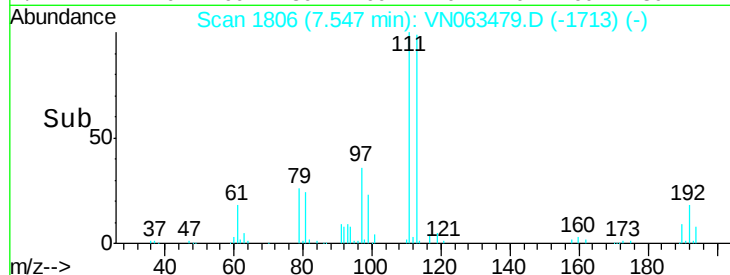
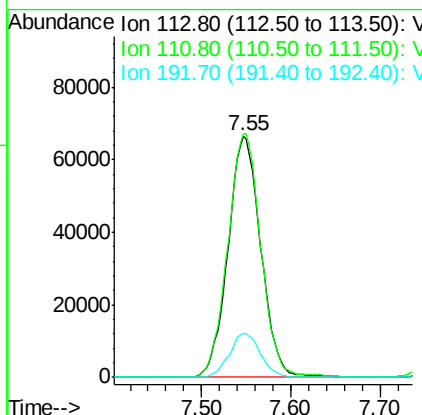
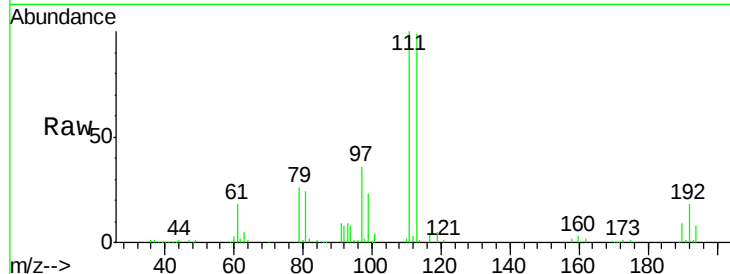
#35
 Dibromofluoromethane
 Concen: 51.061 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN063479.D
 Acq: 21 Sep 2020 12:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921MBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	168723		
111	101.7	82.9	124.3	
192	17.4	13.9	20.9	

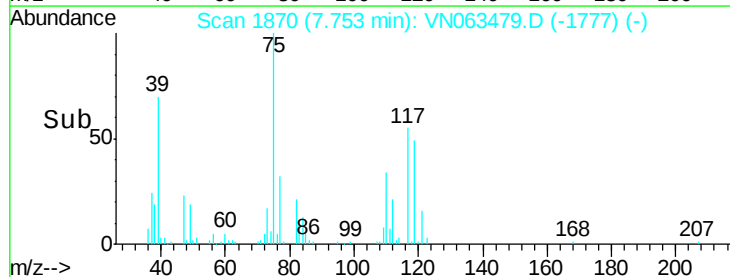
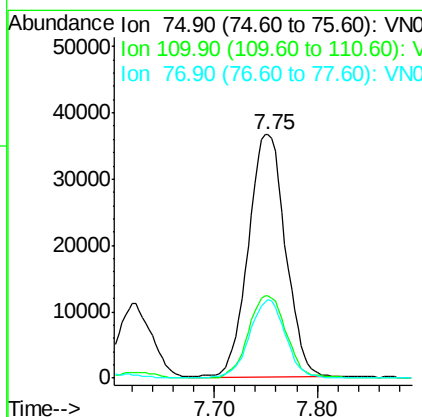
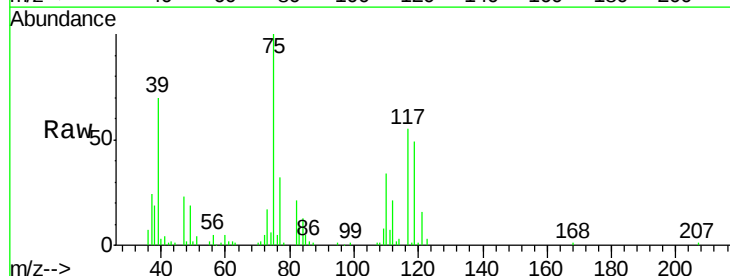
Manual Integrations
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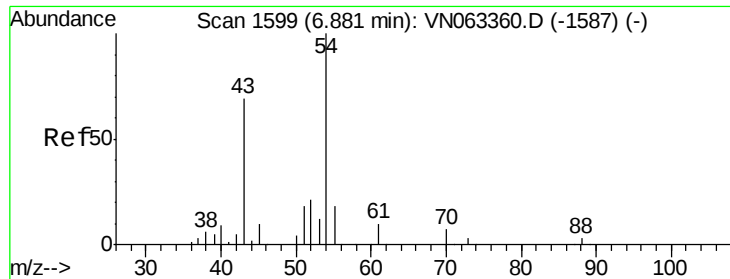
MMDadoda
 9/22/2020 2:07:05 PM



#36
 1,1-Dichloropropene
 Concen: 18.036 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: VN063479.D
 Acq: 21 Sep 2020 12:34

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	91715		
110	34.6	16.5	49.5	
77	31.0	24.6	36.8	





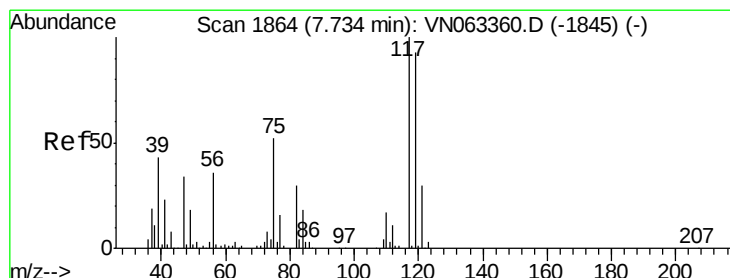
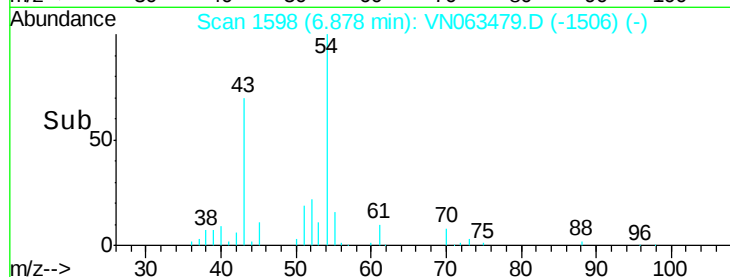
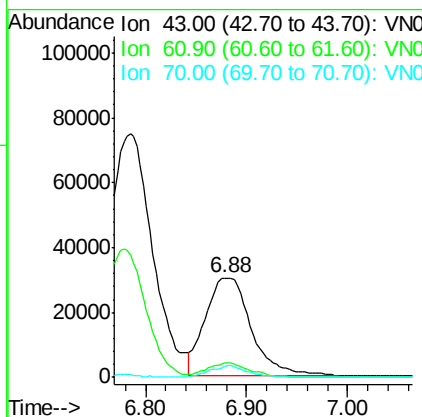
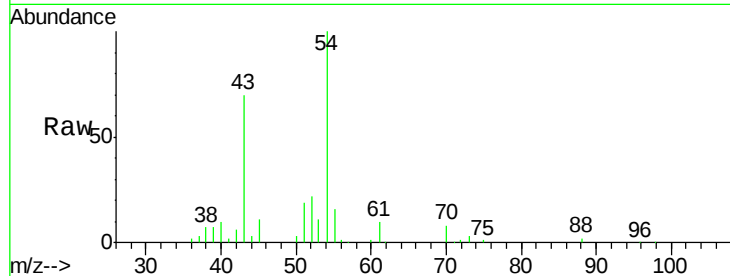
#37
Ethyl Acetate
Concen: 19.273 ug/l
RT: 6.88 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VN063479.D
Acq: 21 Sep 2020 12:34

Instrument :
MSVOA_N
ClientSampleID :
VN0921MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.6	15.8
70	9.5	7.2	10.8

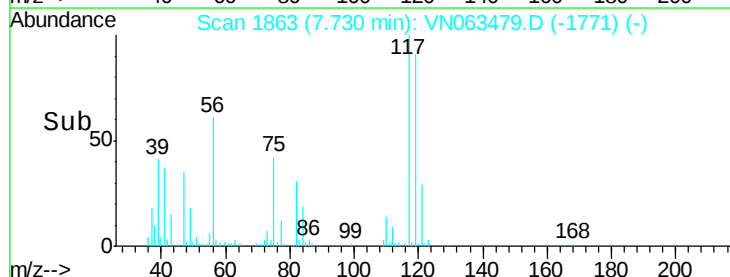
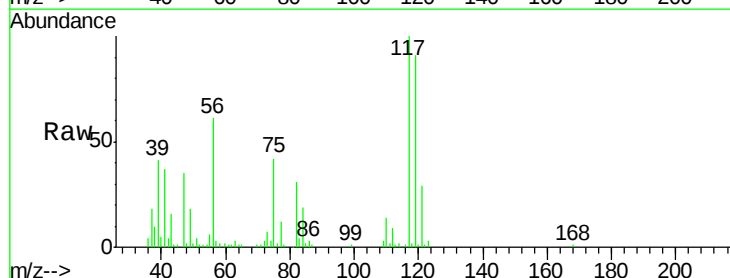
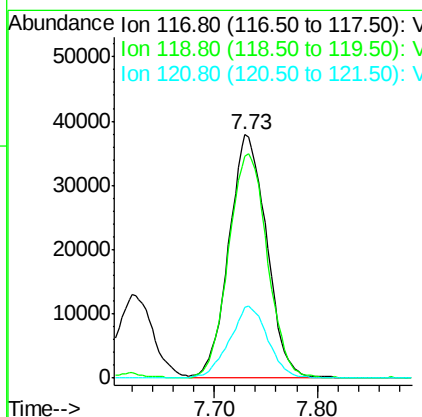
Manual Integrations
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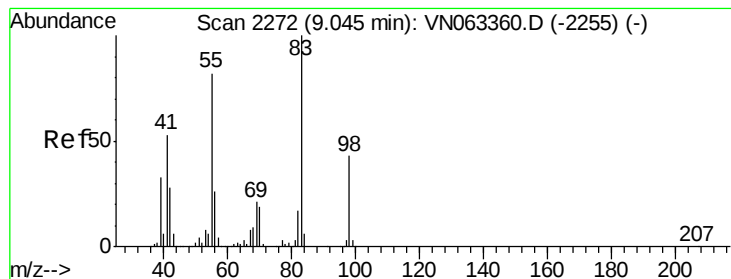
MMDadoda
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#38
Carbon Tetrachloride
Concen: 18.608 ug/l
RT: 7.73 min Scan# 1863
Delta R.T. -0.00 min
Lab File: VN063479.D
Acq: 21 Sep 2020 12:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.2	74.5	111.7
121	28.9	24.1	36.1





#39

Methvlcvclohexane

Concen: 18.196 ug/l

RT: 9.05 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VN063479.D

Acq: 21 Sep 2020 12:34

Instrument :

MSVOA_N

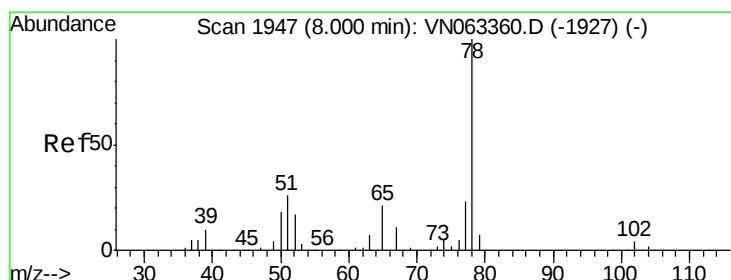
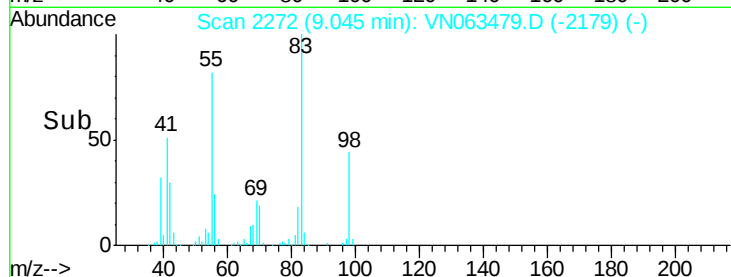
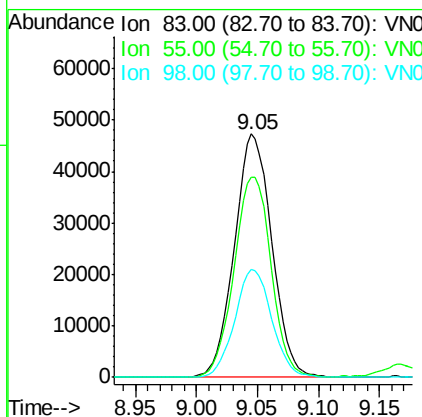
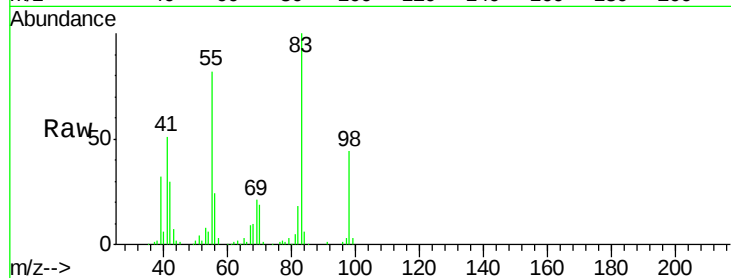
ClientSampleId :

VN0921MBS01

Tot Ion:	83	Resp:	100424
Ion Ratio	Lower	Upper	
83	100		
55	82.3	65.5	98.3
98	44.1	34.2	51.4

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#40

Benzene

Concen: 18.672 ug/l

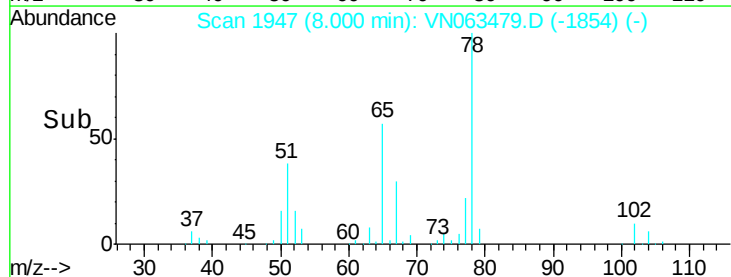
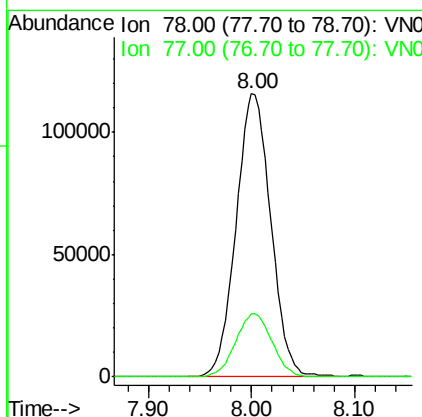
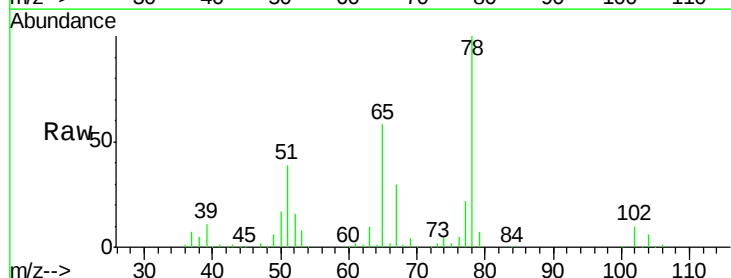
RT: 8.00 min Scan# 1947

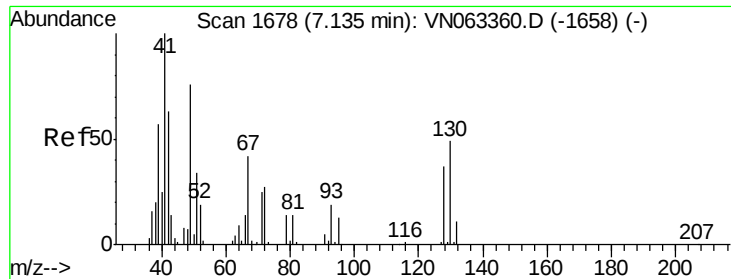
Delta R.T. -0.00 min

Lab File: VN063479.D

Acq: 21 Sep 2020 12:34

Tgt Ion:	78	Resp:	271047
Ion Ratio	Lower	Upper	
78	100		
77	22.2	18.3	27.5





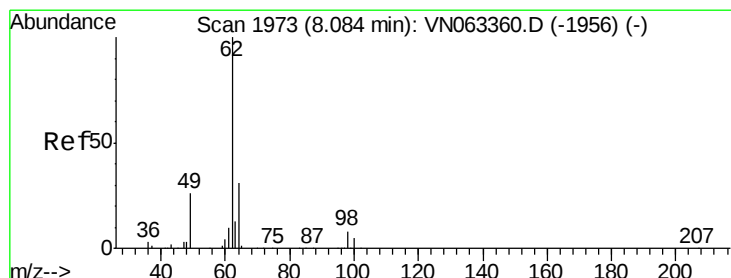
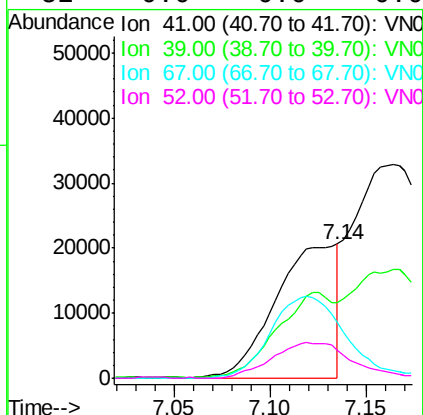
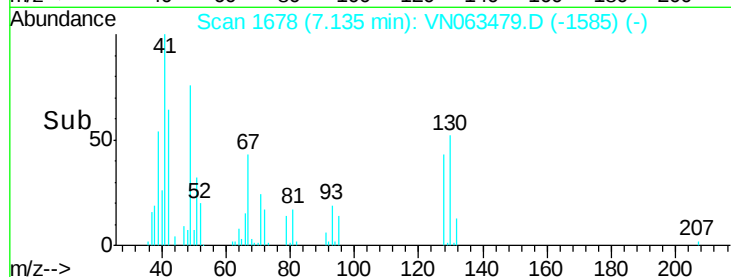
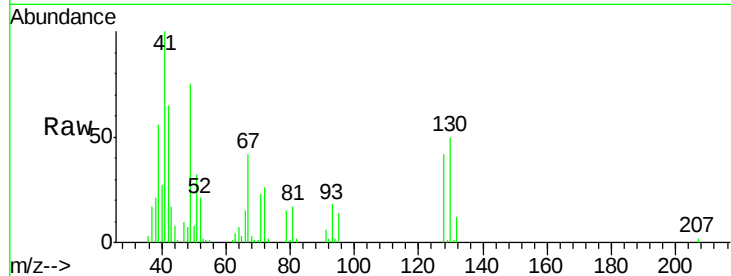
#41
Methacrylonitrile
Concen: 20.583 ug/l m
RT: 7.14 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN063479.D
Acq: 21 Sep 2020 12:34

Instrument :
MSVOA_N
ClientSampleId :
VN0921MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		46202		
39	0.0	0.0	0.0		
67	0.0	0.0	0.0		
52	0.0	0.0	0.0		

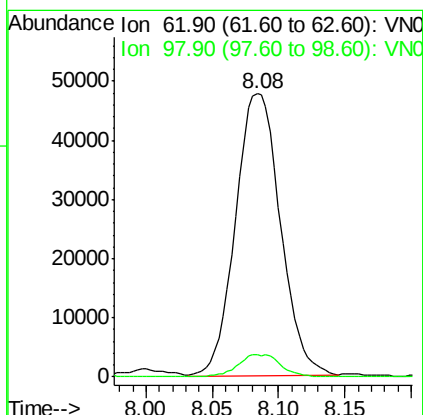
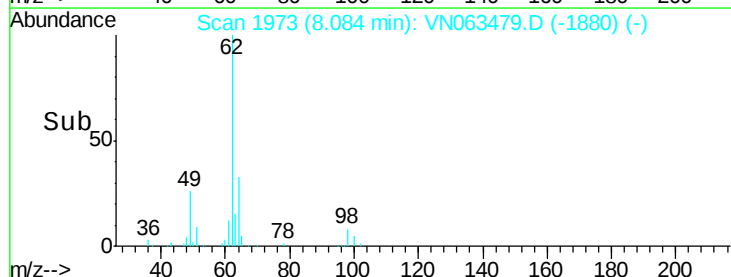
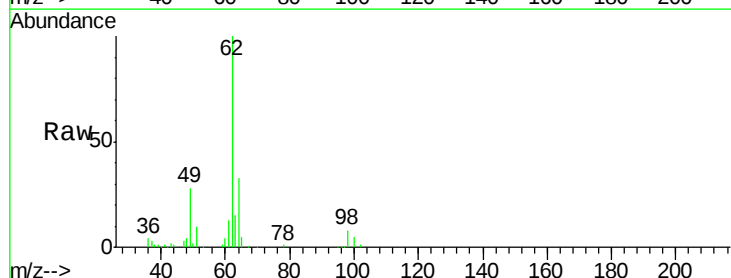
Manual Integrations
APPROVED

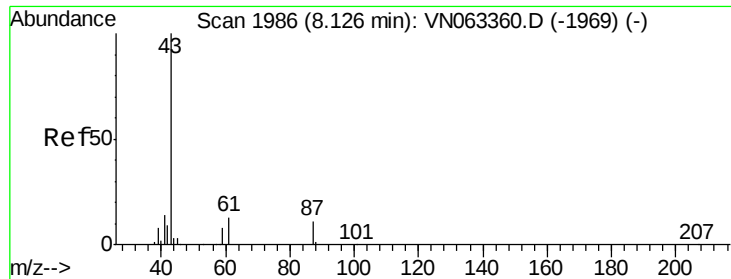
MMDadoda
9/22/2020 2:07:05 PM



#42
1,2-Dichloroethane
Concen: 19.236 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN063479.D
Acq: 21 Sep 2020 12:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		112294		
98	7.6	0.0	15.6		





#43

Isopropyl Acetate

Concen: 18.526 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN063479.D

Acq: 21 Sep 2020 12:34

Instrument :

MSVOA_N

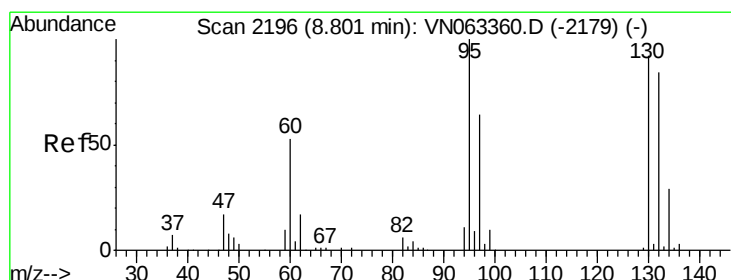
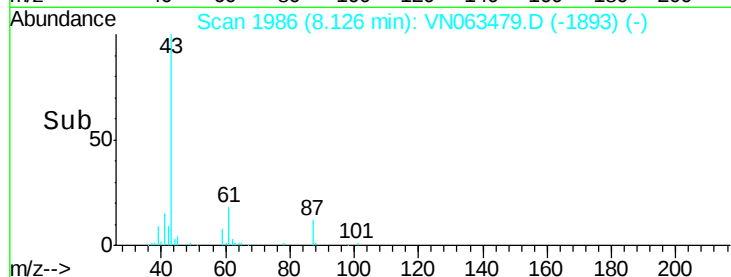
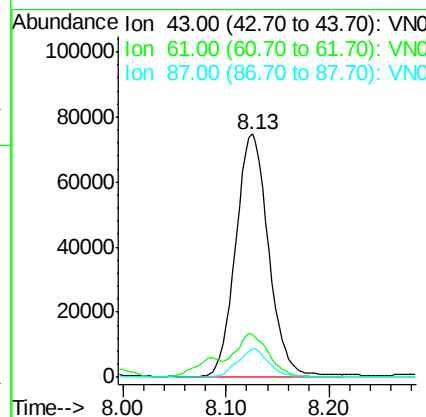
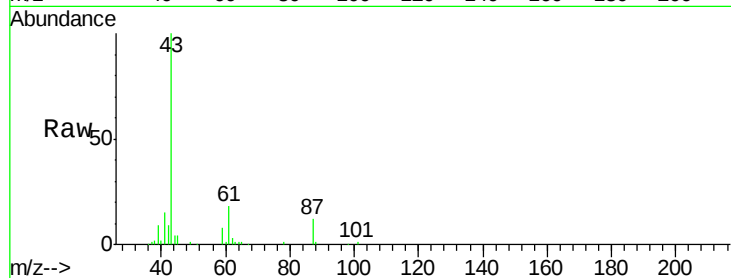
ClientSampleId :

VN0921MBS01

Tot Ion:	43	Resp:	165330
Ion	Ratio	Lower	Upper
43	100		
61	18.6	14.2	21.2
87	11.4	9.0	13.6

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#44

Trichloroethene

Concen: 18.854 ug/l

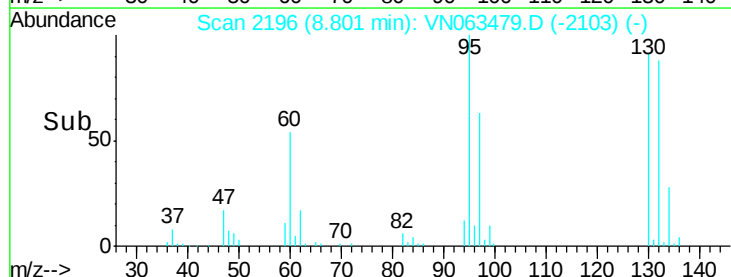
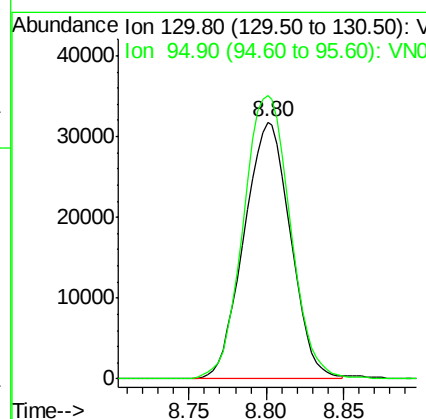
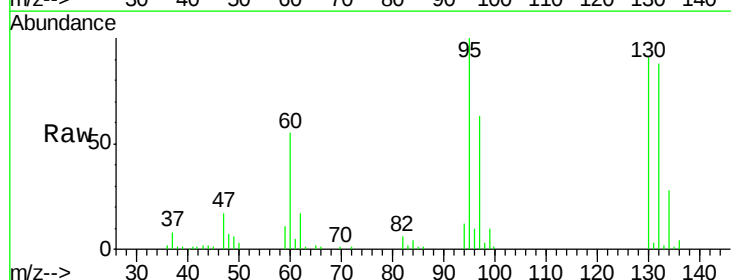
RT: 8.80 min Scan# 2196

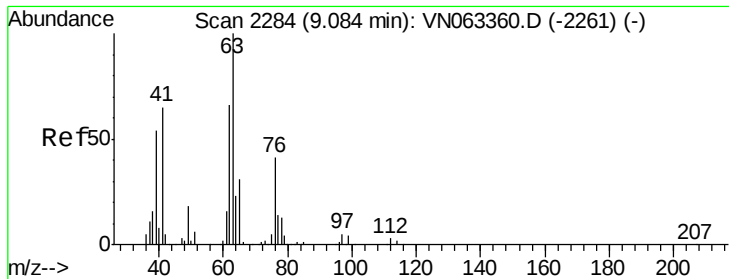
Delta R.T. -0.00 min

Lab File: VN063479.D

Acq: 21 Sep 2020 12:34

Tgt Ion:	130	Resp:	66381
Ion	Ratio	Lower	Upper
130	100		
95	110.1	0.0	217.4





#45

1,2-Dichloropropane

Concen: 19.082 ug/l

RT: 9.08 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN063479.D

Acq: 21 Sep 2020 12:34

Instrument :

MSVOA_N

ClientSampleId :

VN0921MBS01

Tot Ion: 63 Resp: 75444

Ion Ratio Lower Upper

63 100

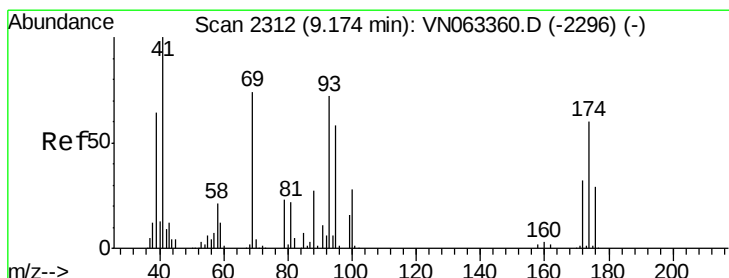
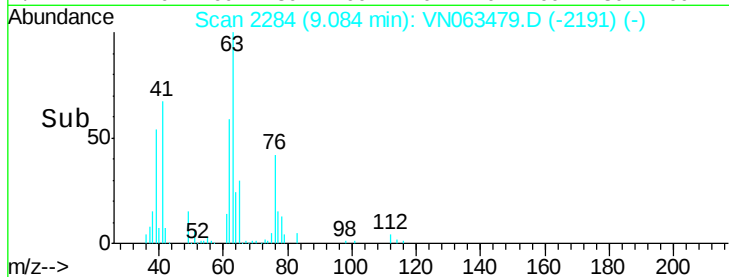
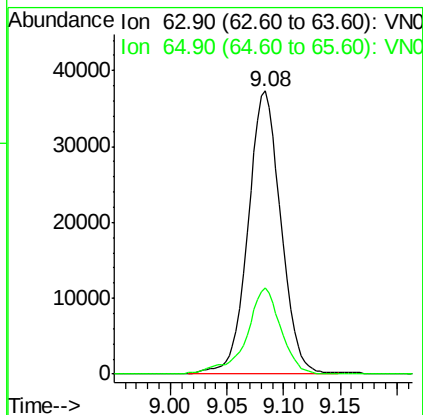
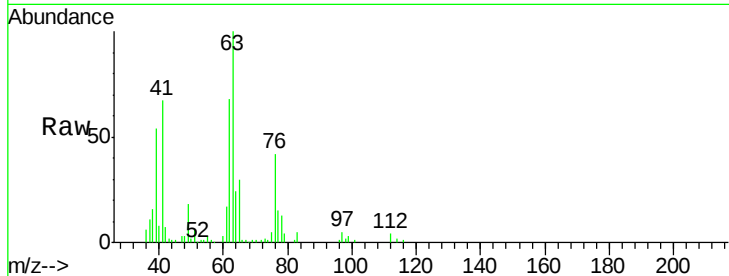
65 30.3 25.0 37.6

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#46

Dibromomethane

Concen: 19.322 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN063479.D

Acq: 21 Sep 2020 12:34

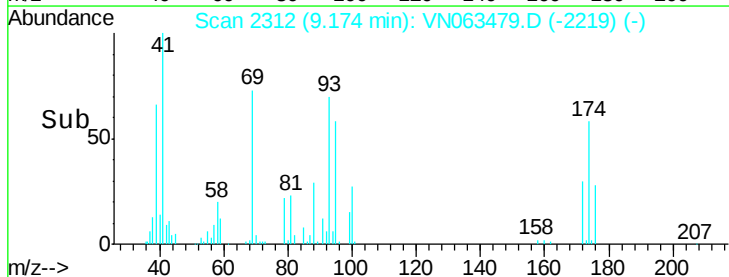
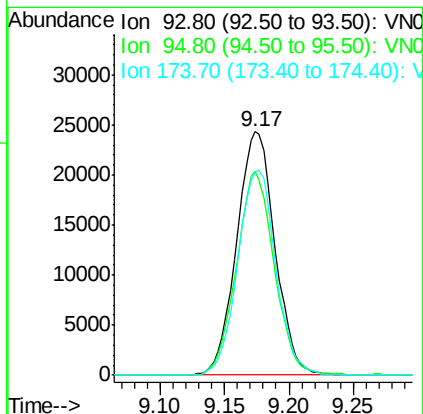
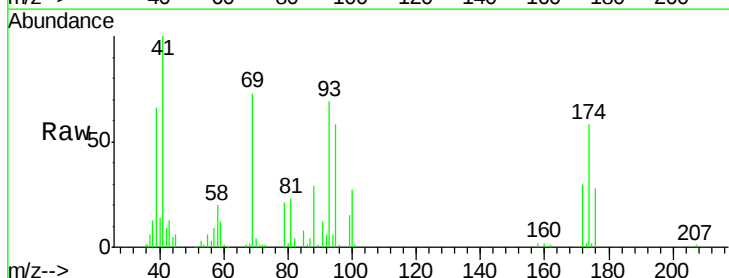
Tgt Ion: 93 Resp: 50209

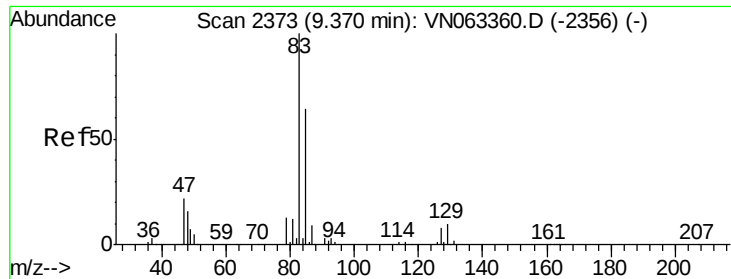
Ion Ratio Lower Upper

93 100

95 82.9 65.6 98.4

174 83.7 68.1 102.1





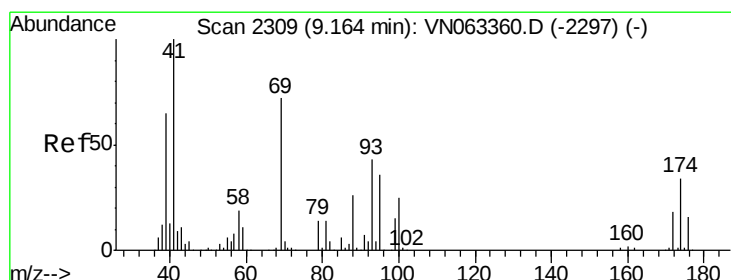
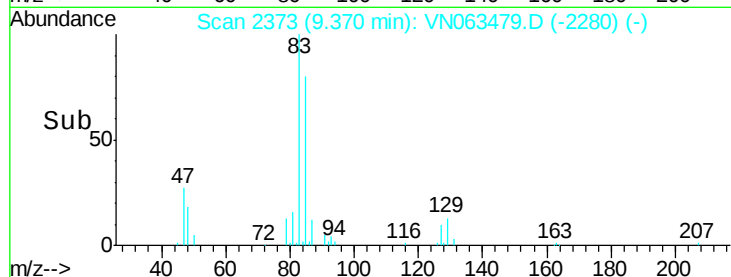
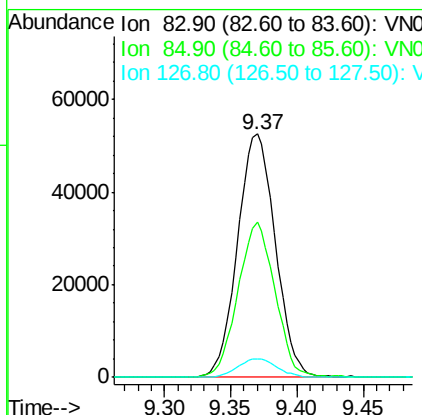
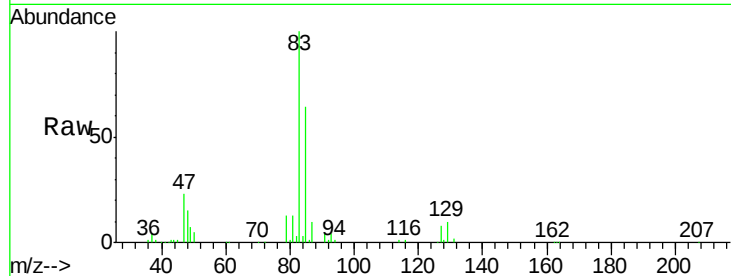
#47
Bromodichloromethane
Concen: 19.367 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN063479.D
Acq: 21 Sep 2020 12:34

Instrument :
MSVOA_N
ClientSampleId :
VN0921MBS01

Tot Ion	83	Resp	104549
Ion Ratio	100		
85	63.7	51.0	76.6
127	7.8	6.3	9.5

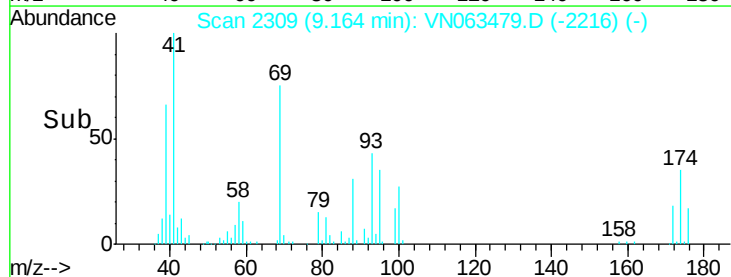
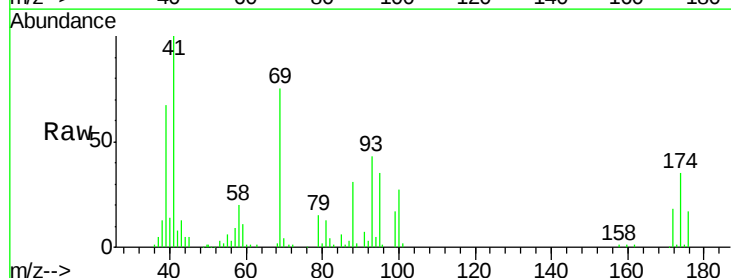
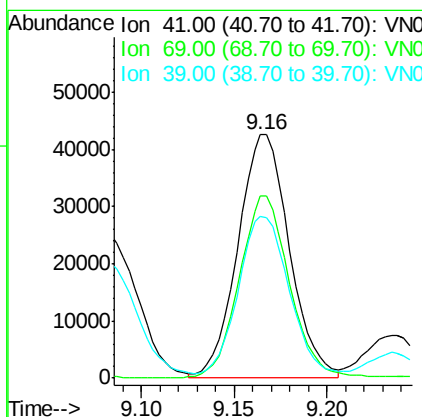
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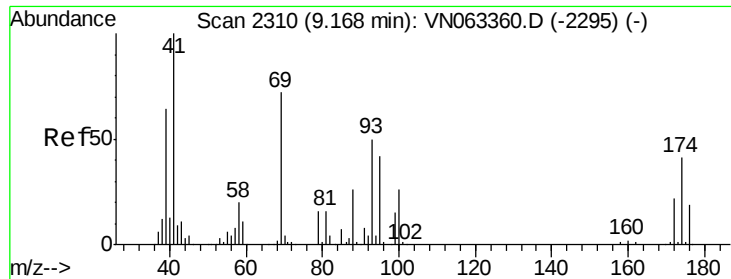
MMDadoda
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#48
Methyl methacrylate
Concen: 18.734 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN063479.D
Acq: 21 Sep 2020 12:34

Tgt Ion	41	Resp	82140
Ion Ratio	100		
69	73.5	59.3	88.9
39	66.3	52.9	79.3





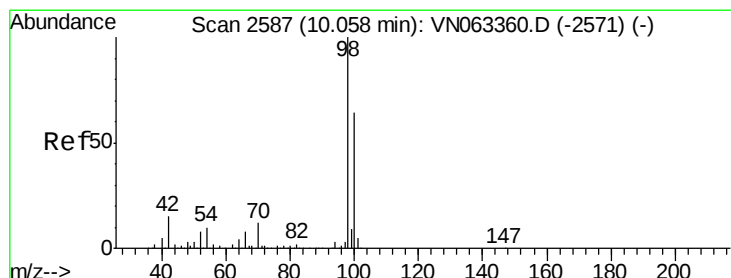
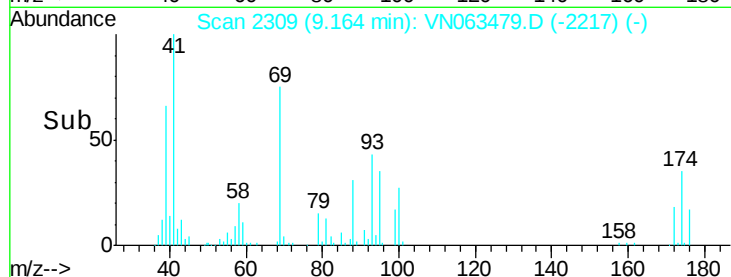
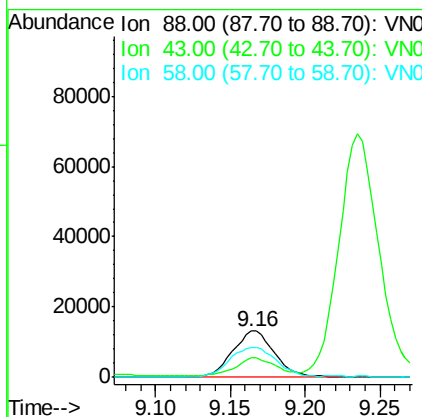
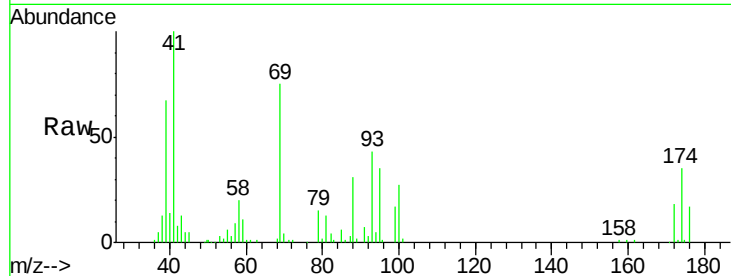
#49
1,4-Dioxane
Concen: 409.059 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN063479.D
Acq: 21 Sep 2020 12:34

Instrument :
MSVOA_N
ClientSampleId :
VN0921MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.3	32.6	49.0
58	72.6	60.0	90.0

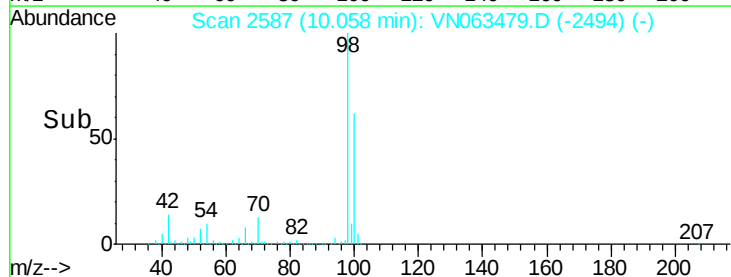
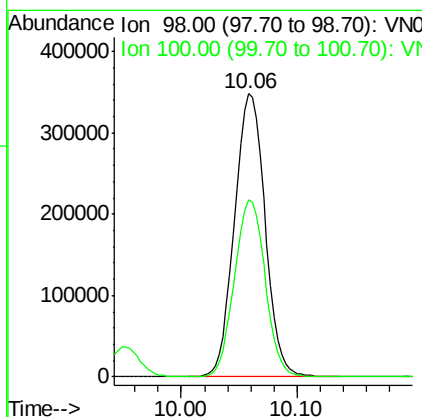
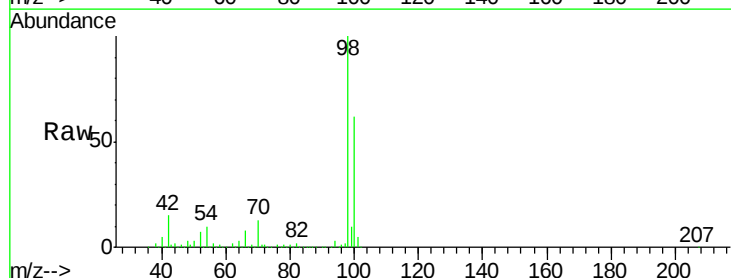
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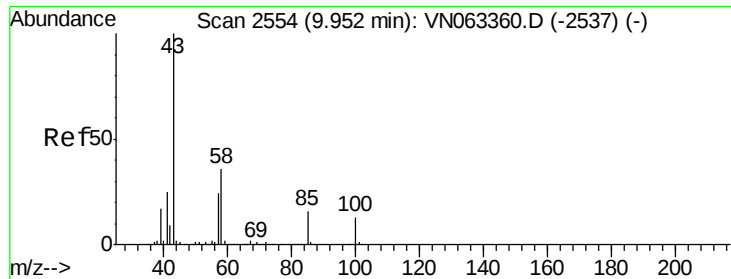
MMDadoda
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#50
Toluene-d8
Concen: 51.359 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN063479.D
Acq: 21 Sep 2020 12:34

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.6	50.7	76.1





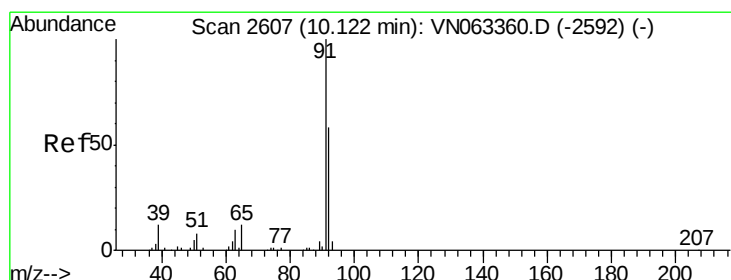
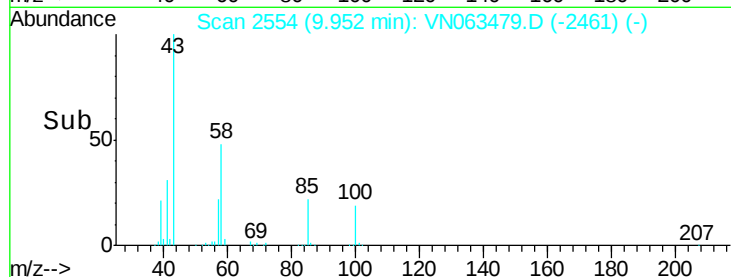
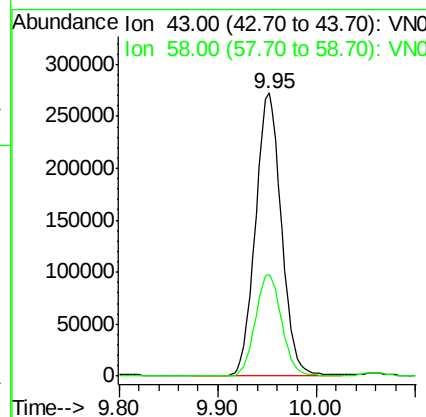
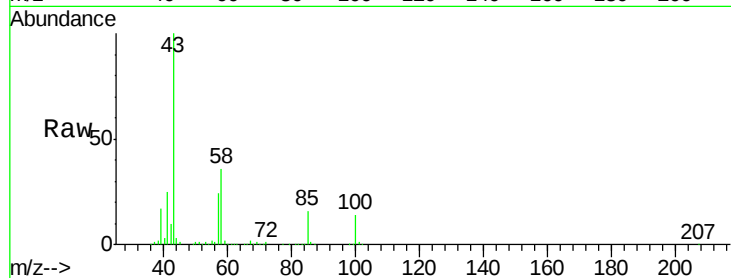
#51
 4-Methyl-2-Pentanone
 Concen: 98.111 ug/l
 RT: 9.95 min Scan# 2554
 Delta R.T. -0.00 min
 Lab File: VN063479.D
 Acq: 21 Sep 2020 12:34

Instrument :
 MSVOA_N
 ClientSampled :
 VN0921MBS01

Tot Ion: 43 Resp: 490165
 Ion Ratio Lower Upper
 43 100
 58 36.6 29.0 43.6

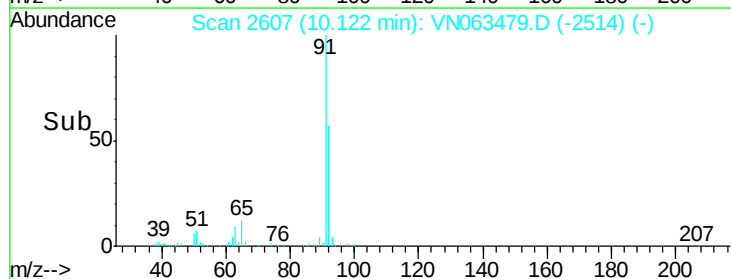
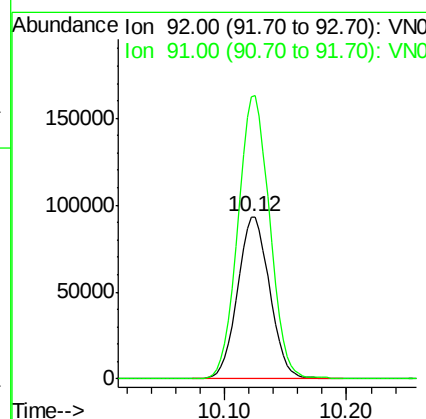
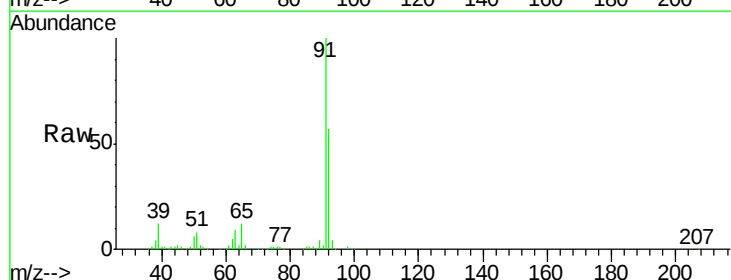
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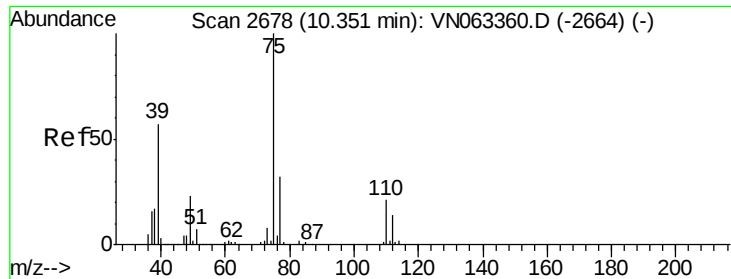
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 9/22/2020 2:07:05 PM



#52
 Toluene
 Concen: 19.520 ug/l
 RT: 10.12 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN063479.D
 Acq: 21 Sep 2020 12:34

Tgt Ion: 92 Resp: 170362
 Ion Ratio Lower Upper
 92 100
 91 173.0 139.7 209.5





#53

t-1,3-Dichloropropene

Concen: 18.582 ug/l

RT: 10.35 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VN063479.D

Acq: 21 Sep 2020 12:34

Instrument :

MSVOA_N

ClientSampleId :

VN0921MBS01

Tot Ion: 75 Resp: 111988

Ion Ratio Lower Upper

75 100

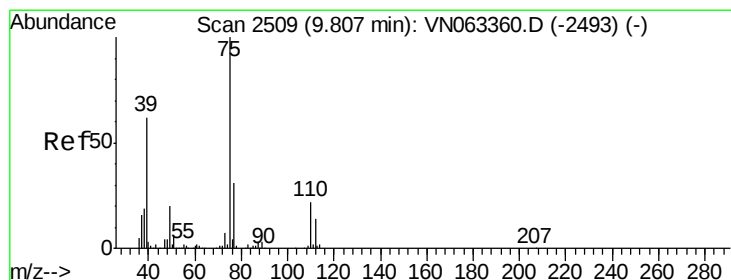
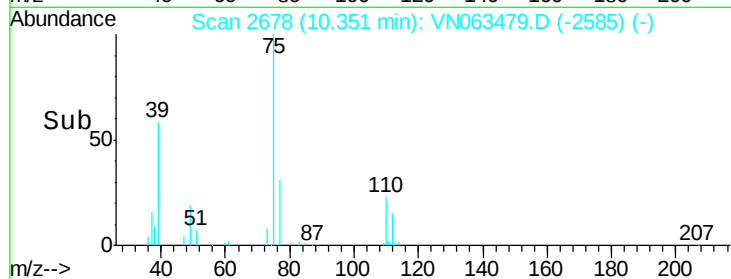
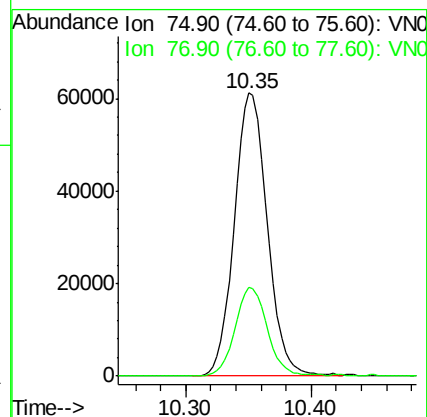
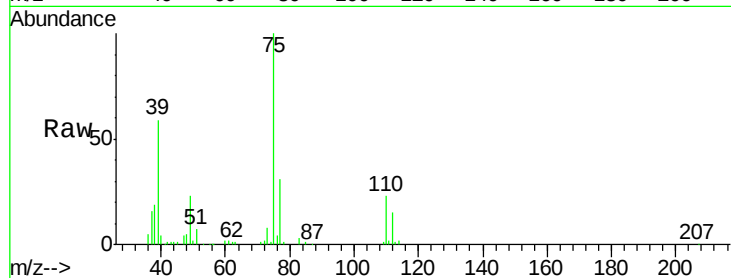
77 31.2 25.4 38.2

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 18.891 ug/l

RT: 9.81 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN063479.D

Acq: 21 Sep 2020 12:34

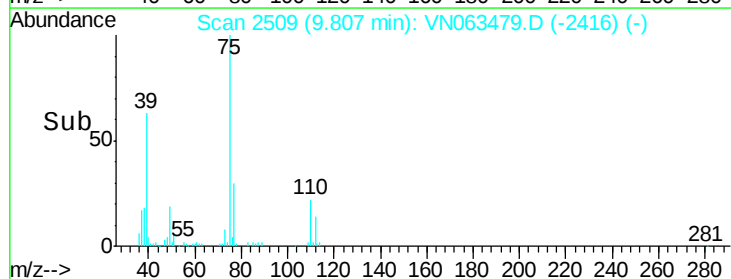
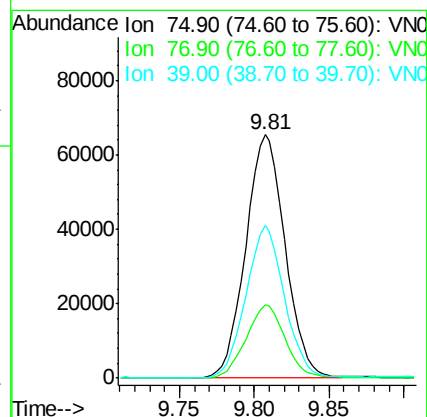
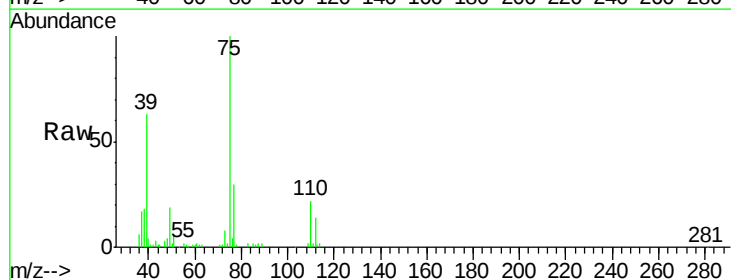
Tgt Ion: 75 Resp: 120087

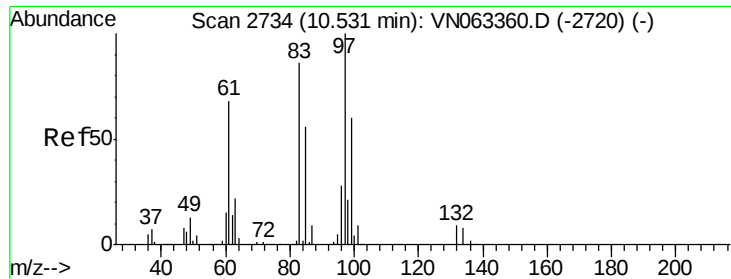
Ion Ratio Lower Upper

75 100

77 30.1 24.6 37.0

39 62.8 49.8 74.8





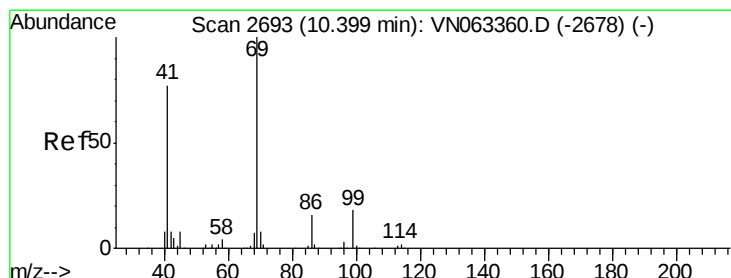
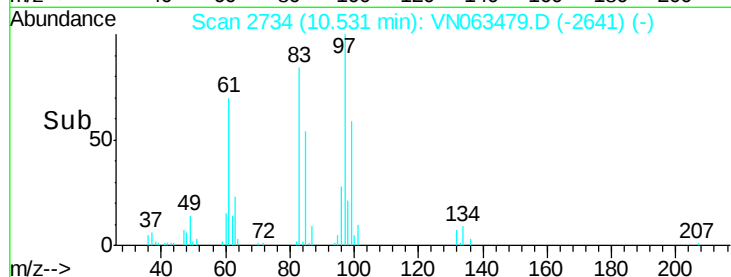
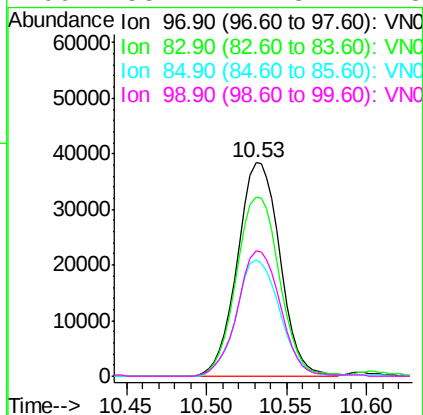
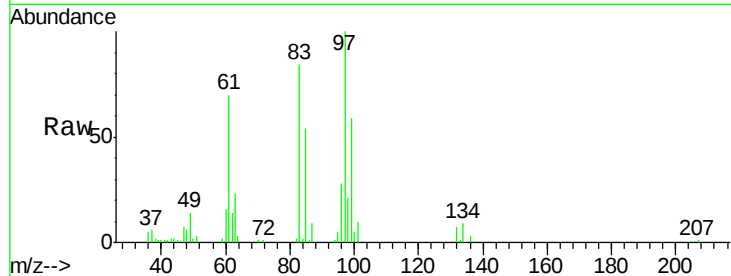
#55
 1,1,2-Trichloroethane
 Concen: 20.081 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN063479.D
 Acq: 21 Sep 2020 12:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921MBS01

Tot Ion:	97	Resp:	69614
Ion	Ratio	Lower	Upper
97	100		
83	84.2	68.9	103.3
85	54.4	44.8	67.2
99	58.7	47.8	71.8

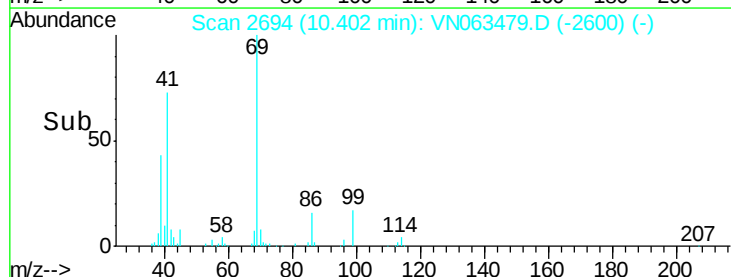
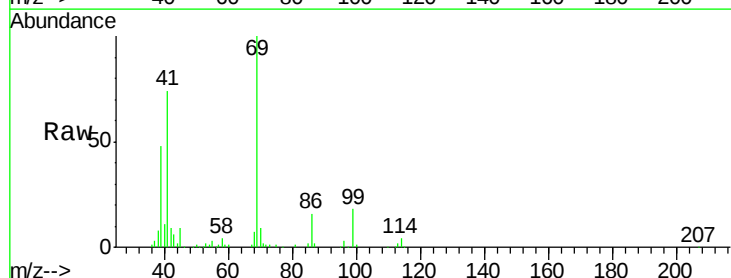
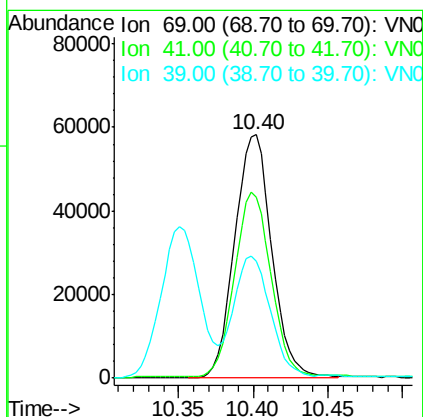
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#56
 Ethyl methacrylate
 Concen: 18.678 ug/l
 RT: 10.40 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VN063479.D
 Acq: 21 Sep 2020 12:34

Tgt Ion:	69	Resp:	101085
Ion	Ratio	Lower	Upper
69	100		
41	74.2	61.0	91.6
39	48.8	39.2	58.8





#57

1,3-Dichloropropane

Concen: 18.856 ug/l

RT: 10.68 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN063479.D

Acq: 21 Sep 2020 12:34

Instrument :

MSVOA_N

ClientSampleId :

VN0921MBS01

Tot Ion: 76 Resp: 117876

Ion Ratio Lower Upper

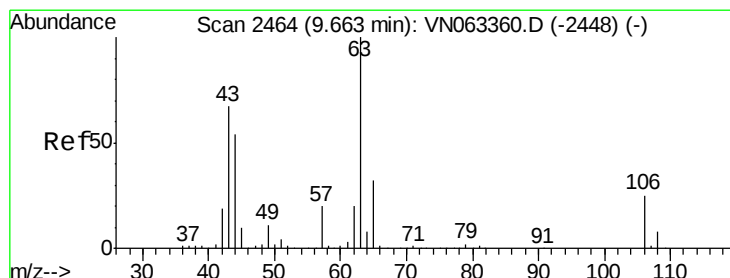
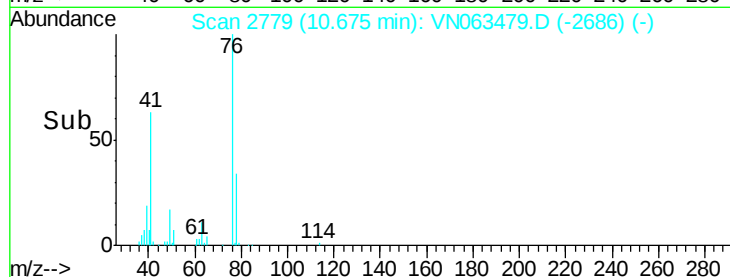
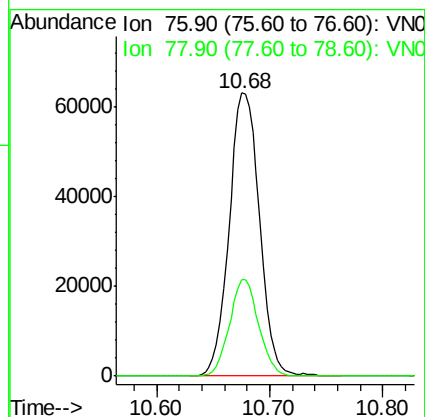
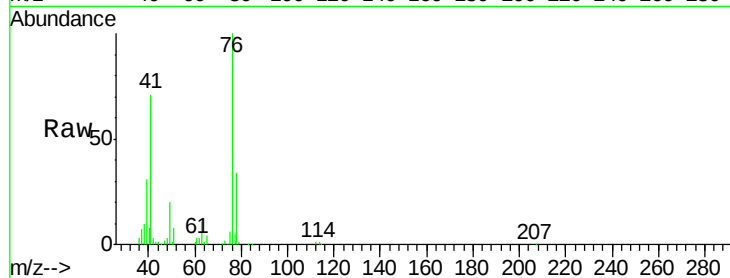
76 100

78 32.7 25.8 38.8

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 92.131 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN063479.D

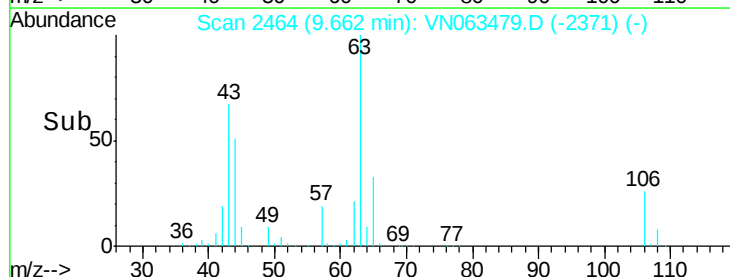
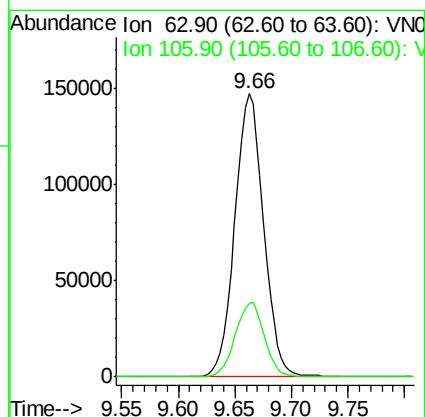
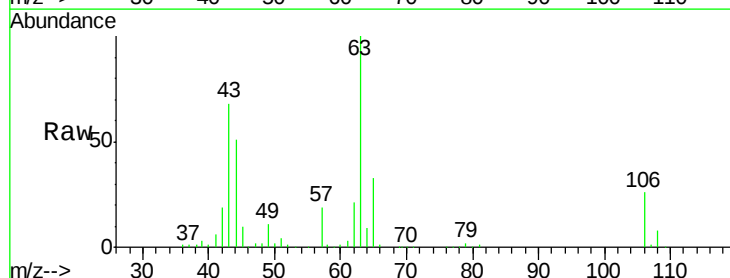
Acq: 21 Sep 2020 12:34

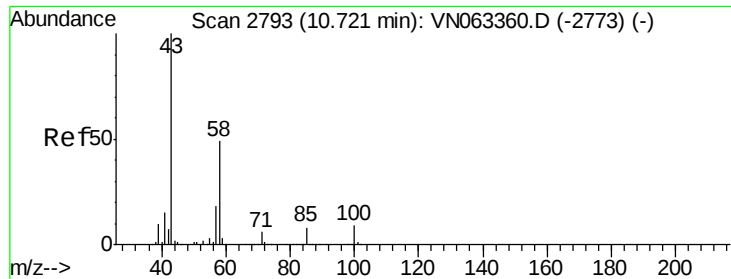
Tgt Ion: 63 Resp: 261554

Ion Ratio Lower Upper

63 100

106 26.5 19.5 29.3





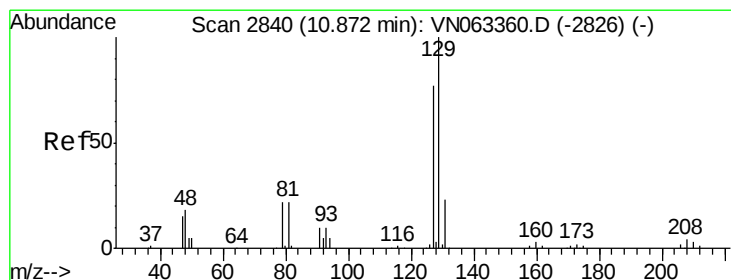
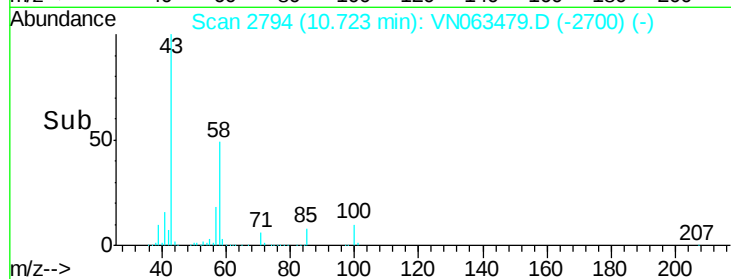
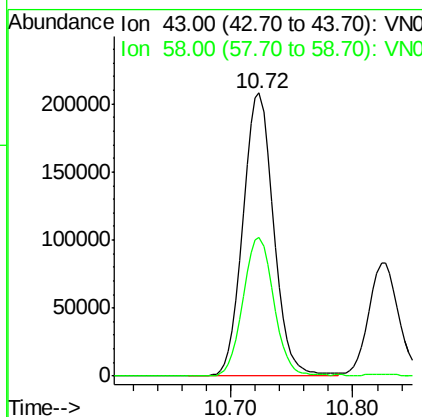
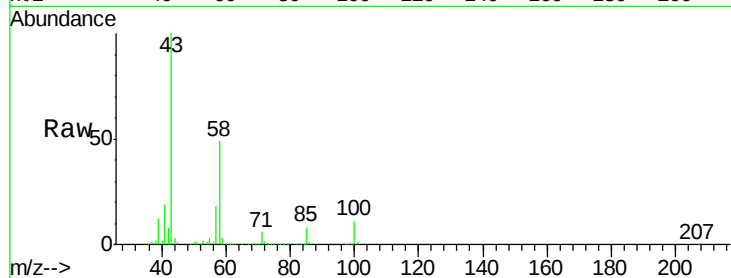
#59
2-Hexanone
Concen: 98.636 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN063479.D
Acq: 21 Sep 2020 12:34

Instrument :
MSVOA_N
ClientSampled :
VN0921MBS01

Tot Ion: 43 Resp: 357012
Ion Ratio Lower Upper
43 100
58 49.6 24.7 74.1

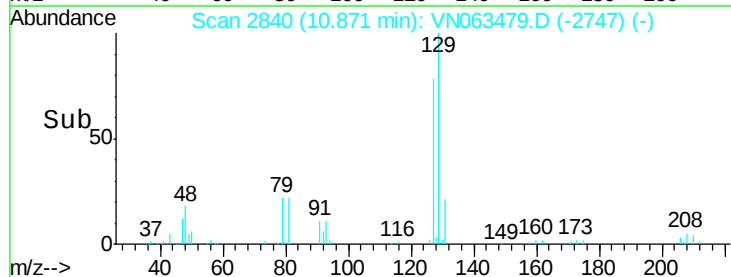
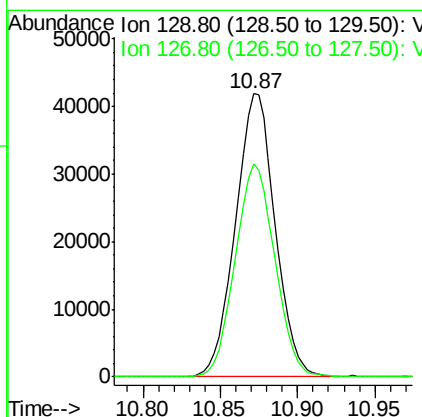
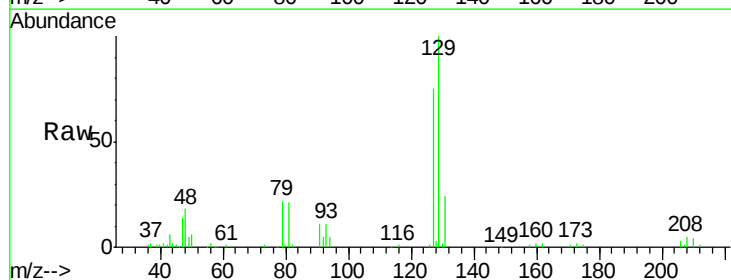
Manual Integrations
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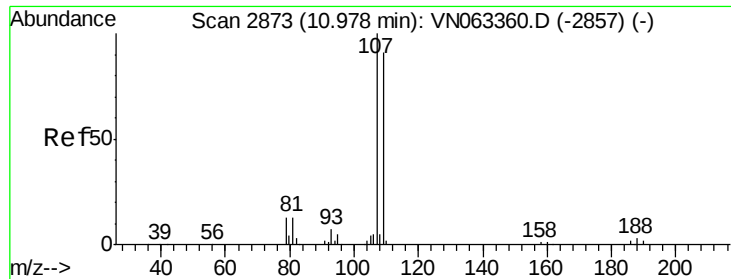
MMDadoda
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#60
Dibromochloromethane
Concen: 19.044 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN063479.D
Acq: 21 Sep 2020 12:34

Tgt Ion: 129 Resp: 74583
Ion Ratio Lower Upper
129 100
127 75.2 39.1 117.3





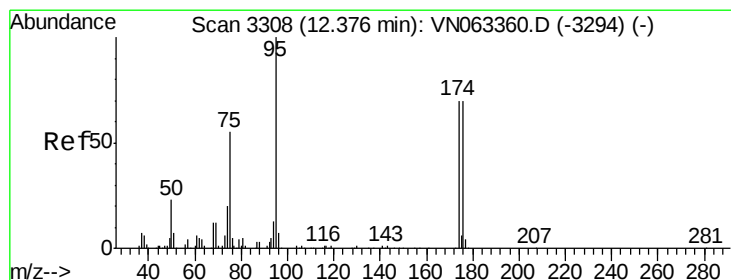
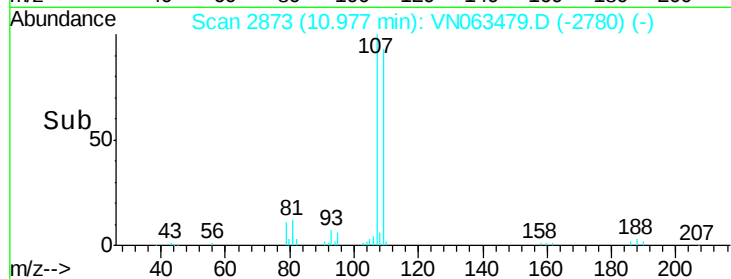
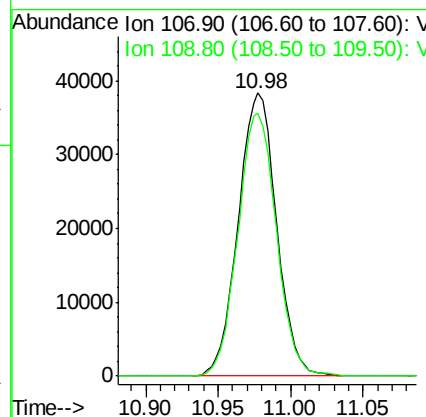
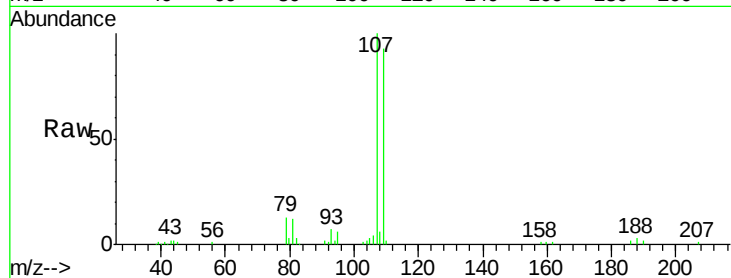
#61
 1,2-Dibromoethane
 Concen: 19.518 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. -0.00 min
 Lab File: VN063479.D
 Acq: 21 Sep 2020 12:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921MBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.5	74.6	111.8

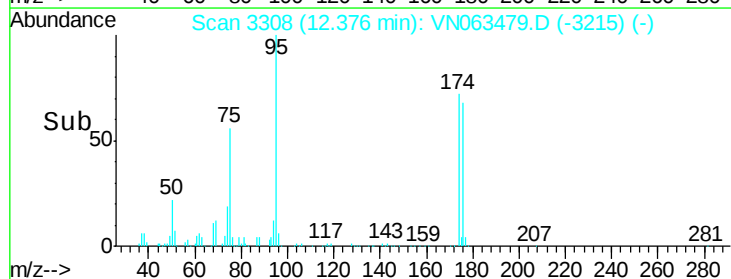
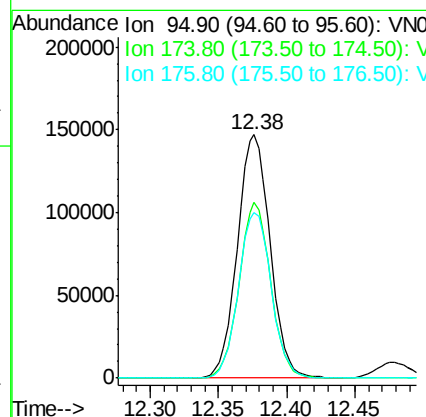
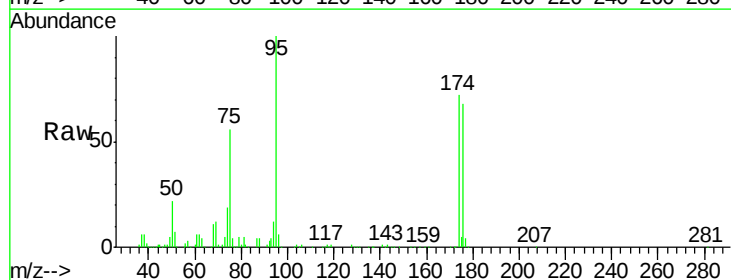
Manual Integrations
 APPROVED

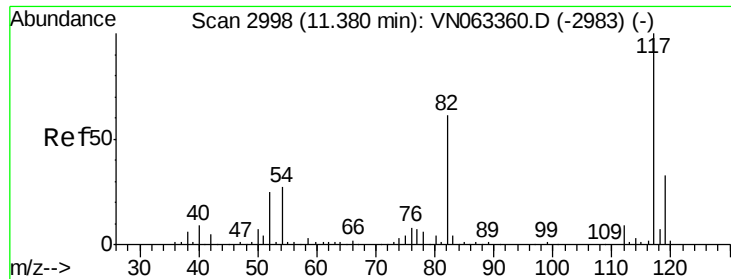
MMDadoda
 9/22/2020 2:07:05 PM



#62
 4-Bromofluorobenzene
 Concen: 53.919 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.00 min
 Lab File: VN063479.D
 Acq: 21 Sep 2020 12:34

Tgt Ion	Ratio	Lower	Upper
95	100		
174	69.5	0.0	140.8
176	67.9	0.0	137.6





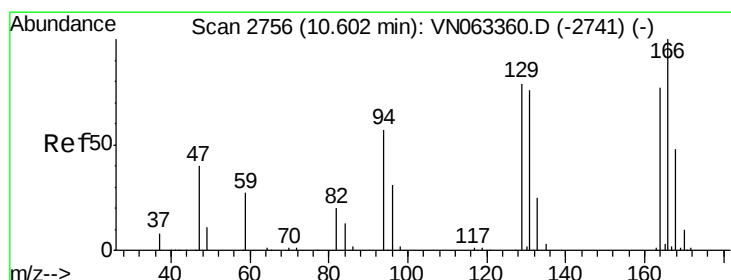
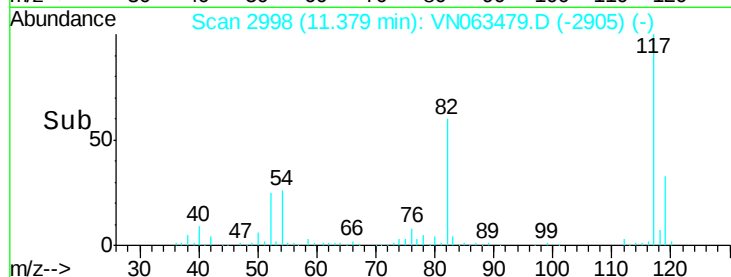
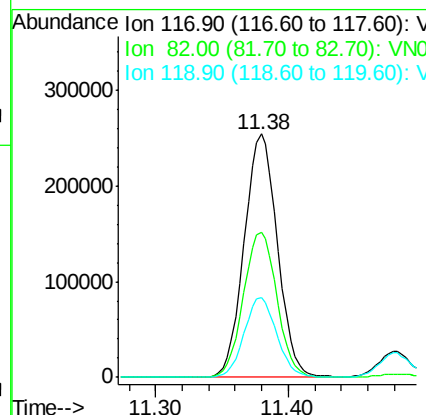
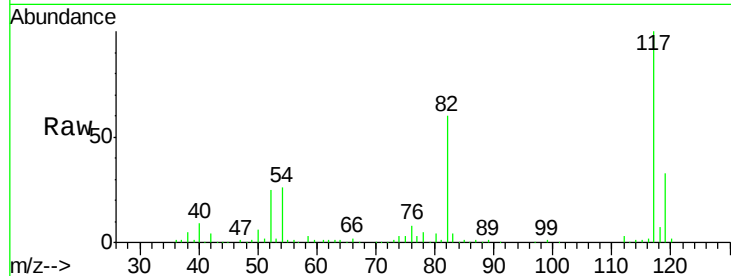
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063479.D
Acq: 21 Sep 2020 12:34

Instrument :
MSVOA_N
ClientSampleId :
VN0921MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.7	49.2	73.8
119	32.6	26.2	39.4

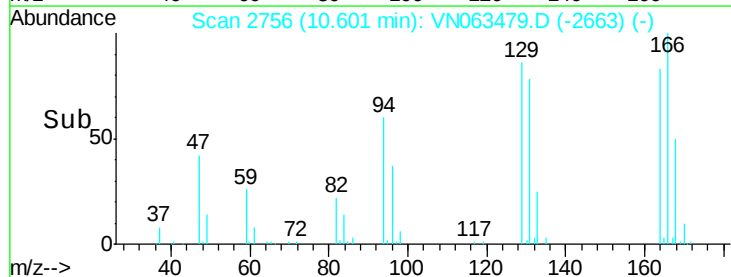
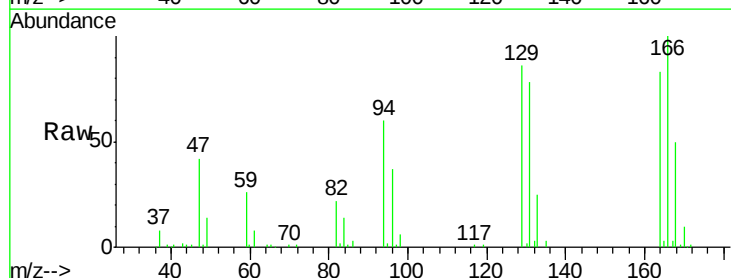
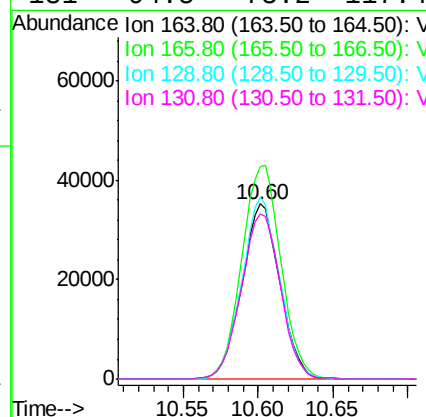
Manual Integrations
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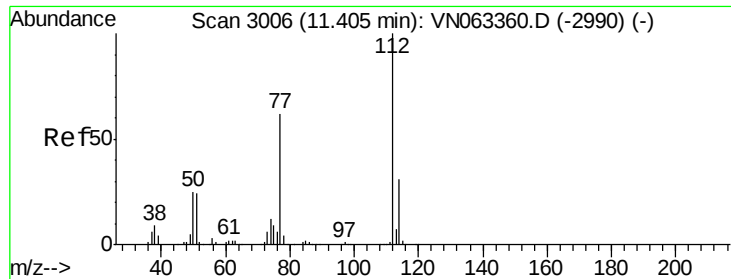
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#64
Tetrachloroethene
Concen: 20.651 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN063479.D
Acq: 21 Sep 2020 12:34

Tgt Ion	Ratio	Lower	Upper
164	100		
166	120.9	103.4	155.0
129	104.0	81.8	122.6
131	94.5	78.2	117.4





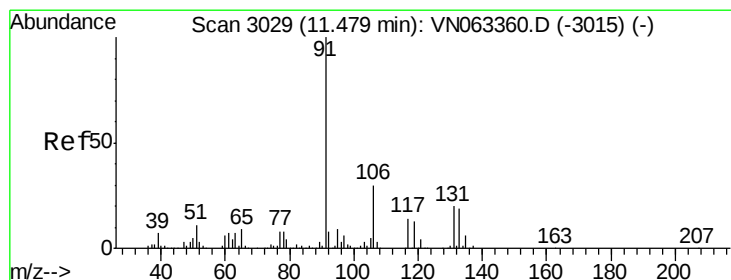
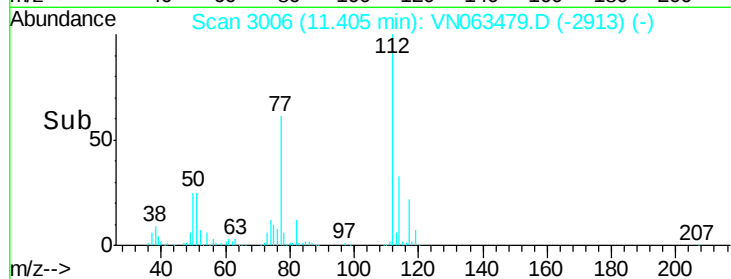
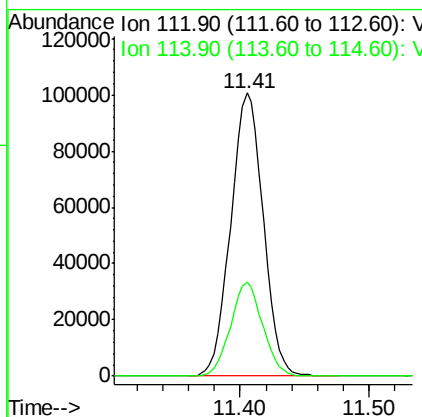
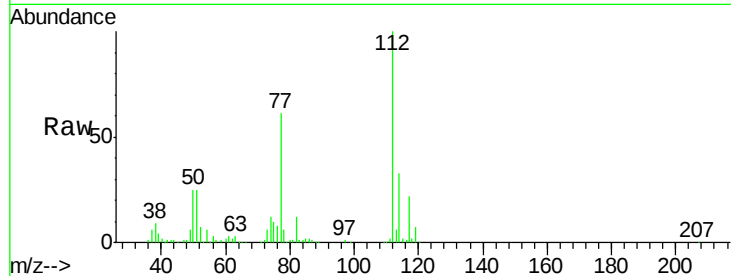
#65
Chlorobenzene
Concen: 18.710 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN063479.D
Acq: 21 Sep 2020 12:34

Instrument :
MSVOA_N
ClientSampleId :
VN0921MBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.0	25.0	37.6

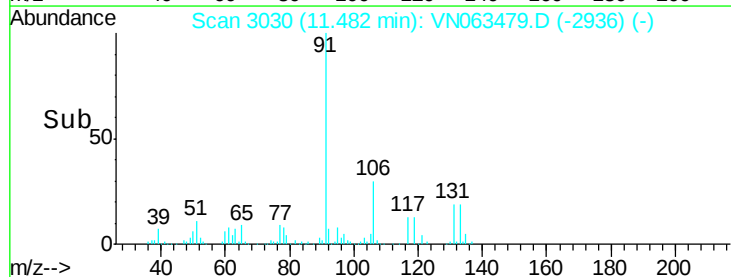
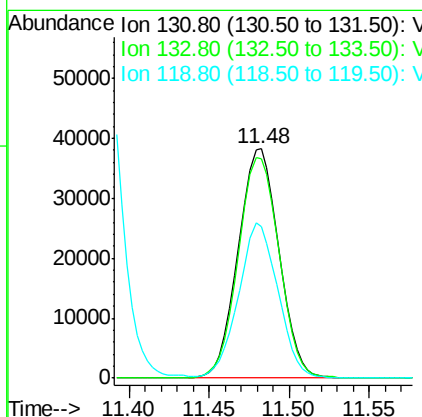
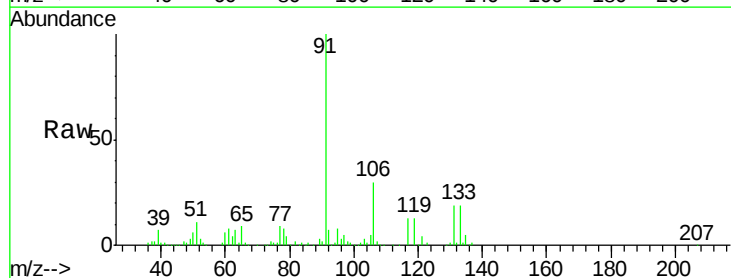
Manual Integrations
APPROVED

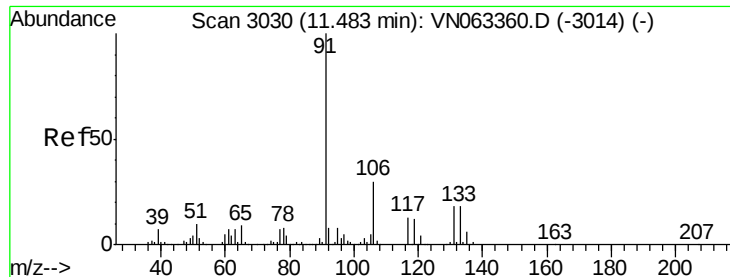
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.237 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN063479.D
Acq: 21 Sep 2020 12:34

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.0	47.3	141.9
119	65.8	33.6	100.8





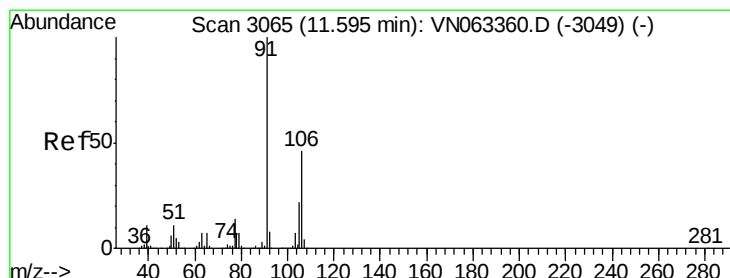
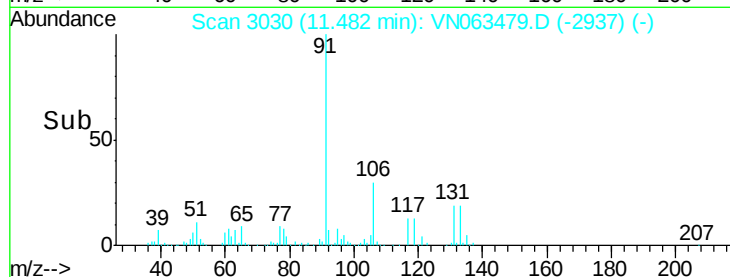
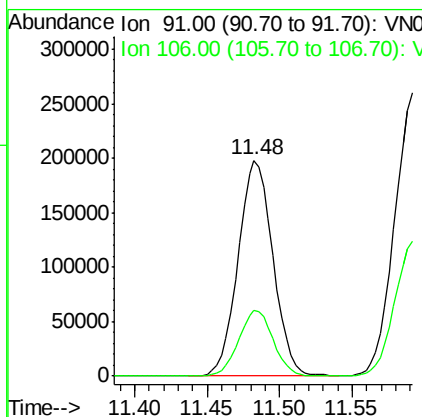
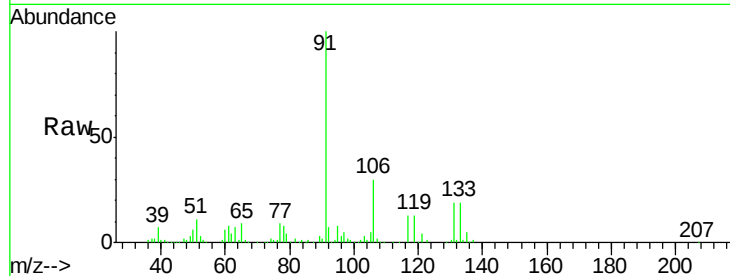
#67
Ethyl Benzene
Concen: 18.651 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: VN063479.D
Acq: 21 Sep 2020 12:34

Instrument :
MSVOA_N
ClientSampled :
VN0921MBS01

Tot Ion: 91 Resp: 330740
Ion Ratio Lower Upper
91 100
106 30.4 23.8 35.6

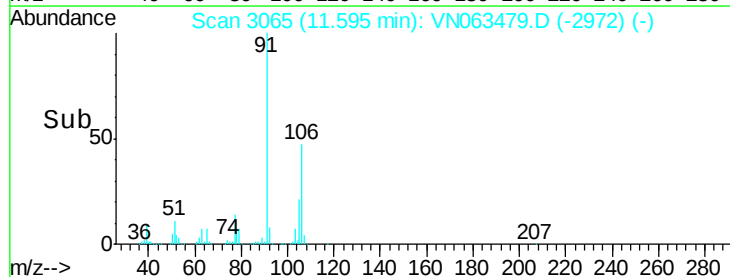
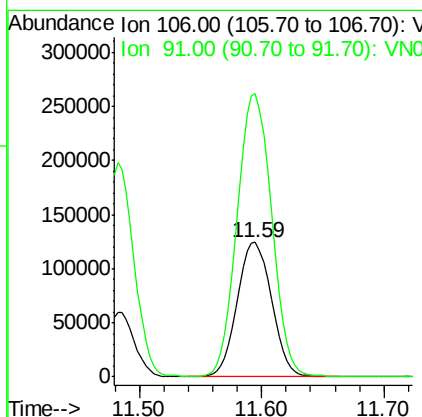
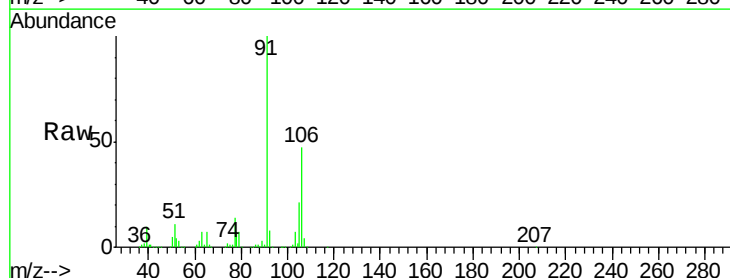
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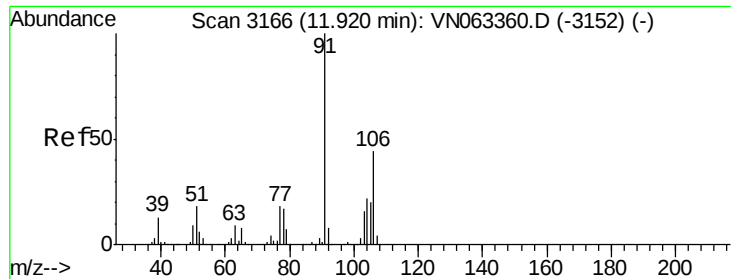
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#68
m/p-Xylenes
Concen: 37.971 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. -0.00 min
Lab File: VN063479.D
Acq: 21 Sep 2020 12:34

Tgt Ion: 106 Resp: 242781
Ion Ratio Lower Upper
106 100
91 210.7 171.2 256.8





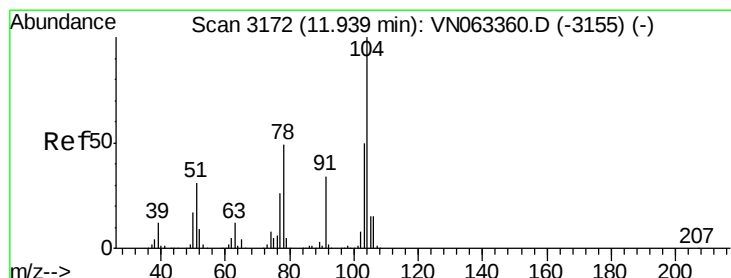
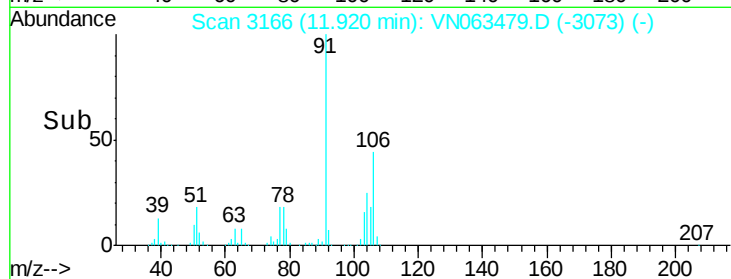
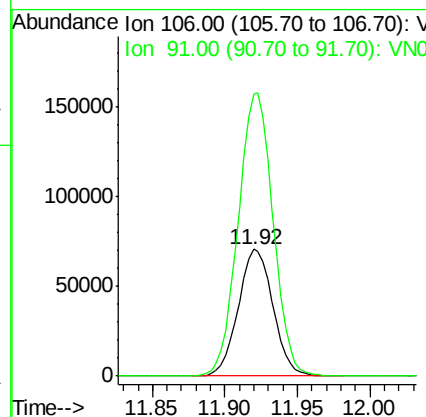
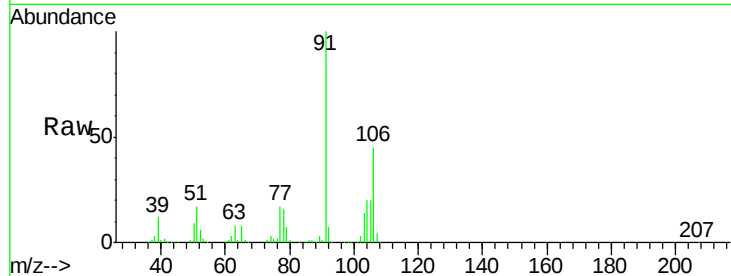
#69
o-Xylene
Concen: 19.347 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN063479.D
Acq: 21 Sep 2020 12:34

Instrument :
MSVOA_N
ClientSampleId :
VN0921MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		117836		
91	223.6	113.6	340.8		

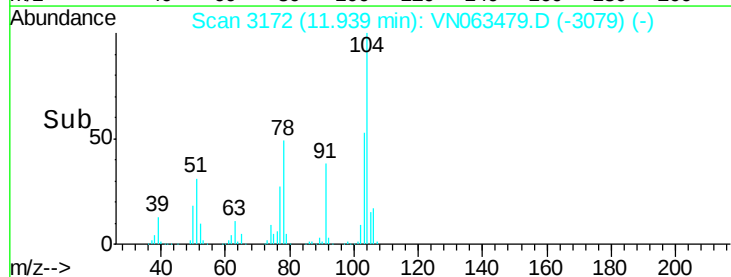
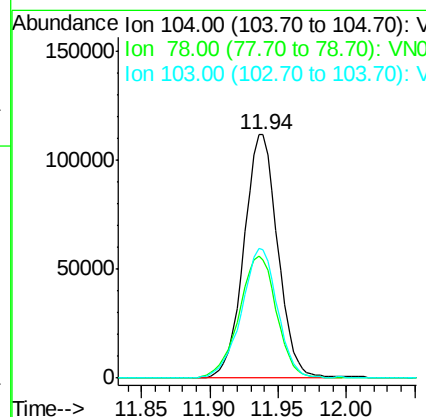
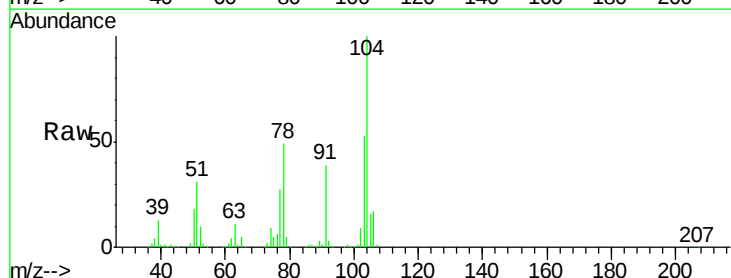
Manual Integrations
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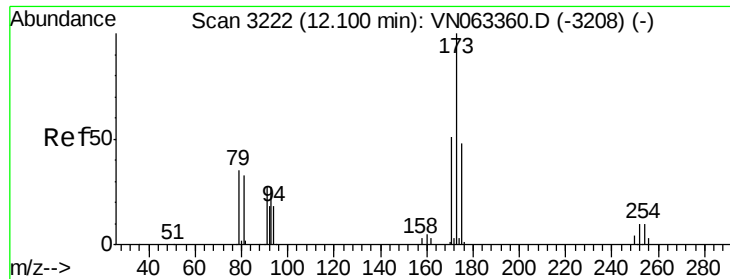
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#70
Styrene
Concen: 18.899 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. -0.00 min
Lab File: VN063479.D
Acq: 21 Sep 2020 12:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		193034		
78	55.7	44.4	66.6		
103	56.6	43.7	65.5		





#71

Bromoform

Concen: 19.235 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. -0.00 min

Lab File: VN063479.D

Acq: 21 Sep 2020 12:34

Instrument :

MSVOA_N

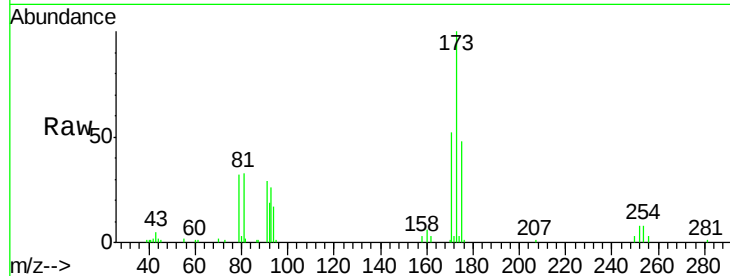
ClientSampleId :

VN0921MBS01

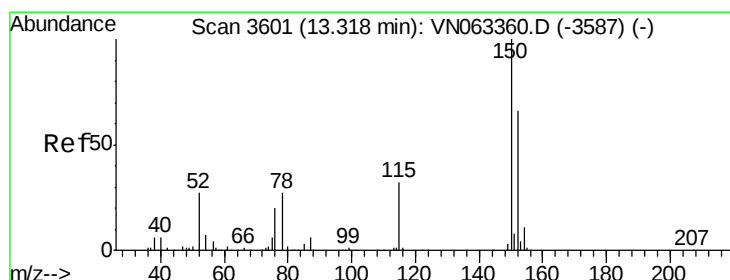
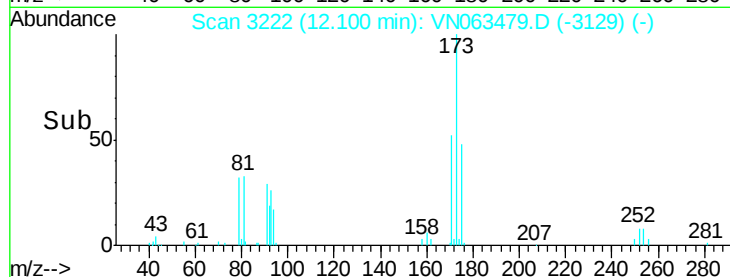
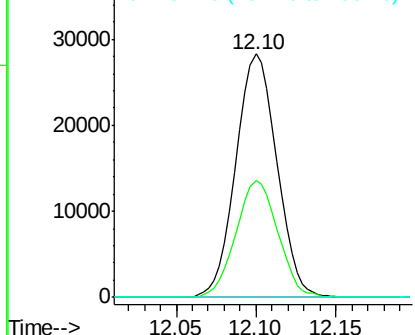
Tot Ion:173	Resp:	49462
Ion Ratio	Lower	Upper
173 100		
175 48.9	24.0	72.0
254 0.0	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

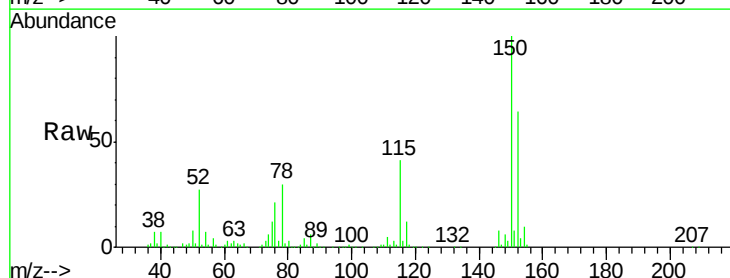
RT: 13.32 min Scan# 3601

Delta R.T. -0.00 min

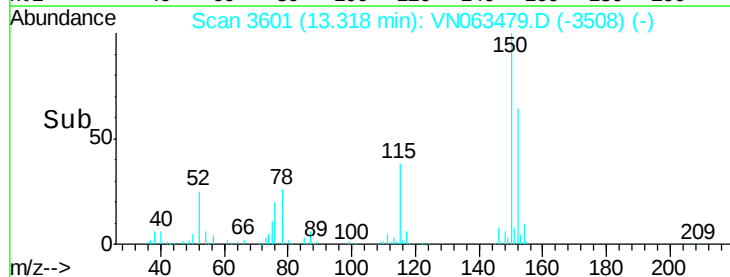
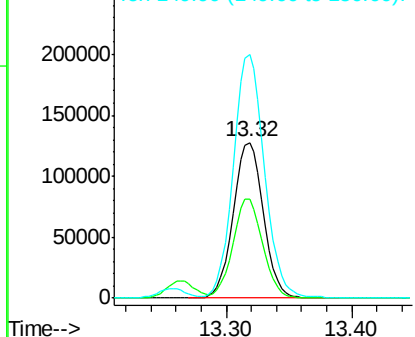
Lab File: VN063479.D

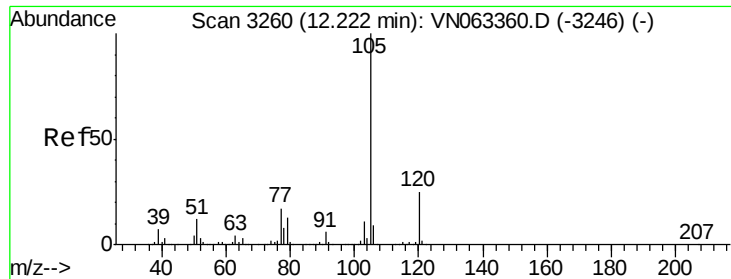
Acq: 21 Sep 2020 12:34

Tgt Ion:152	Resp:	213041
Ion Ratio	Lower	Upper
152 100		
115 62.6	32.2	96.6
150 161.2	0.0	343.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.098 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN063479.D

Acq: 21 Sep 2020 12:34

Instrument :

MSVOA_N

ClientSampleId :

VN0921MBS01

Tot Ion:105 Resp: 308967

Ion Ratio Lower Upper

105 100

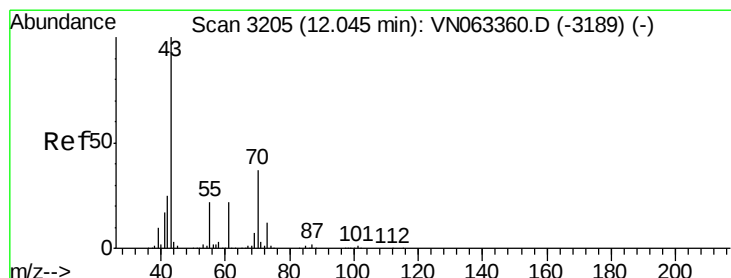
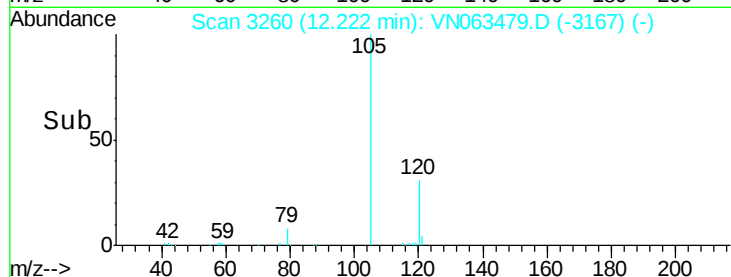
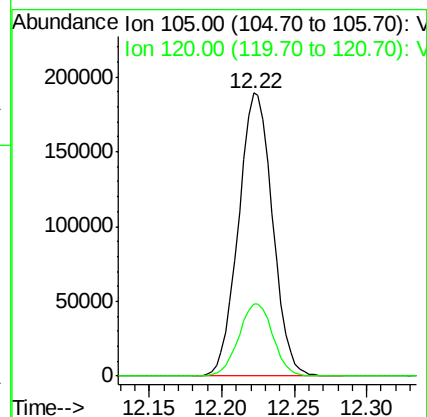
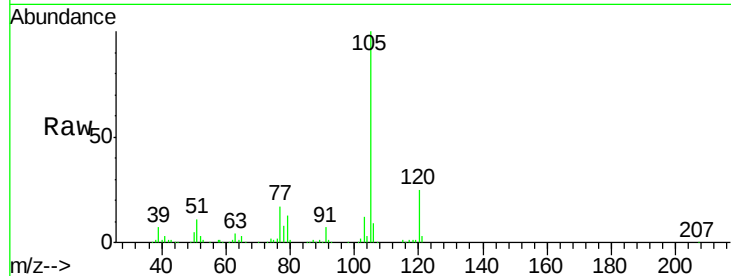
120 25.8 12.7 38.0

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#74

N-ethyl acetate

Concen: 17.632 ug/l

RT: 12.04 min Scan# 3205

Delta R.T. -0.00 min

Lab File: VN063479.D

Acq: 21 Sep 2020 12:34

Tgt Ion: 43 Resp: 142491

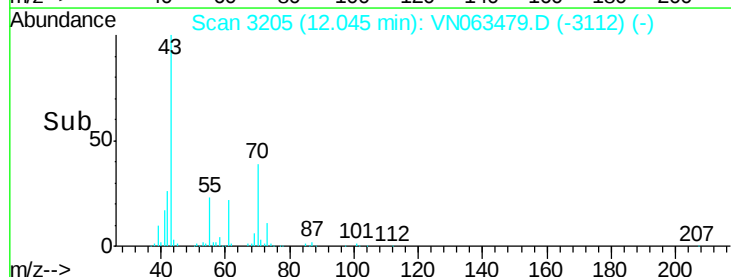
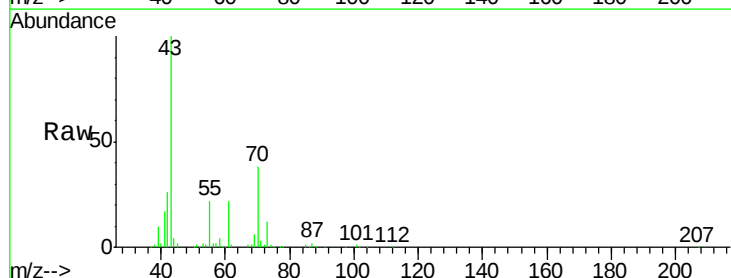
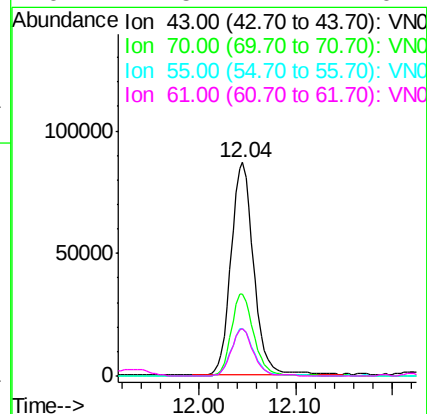
Ion Ratio Lower Upper

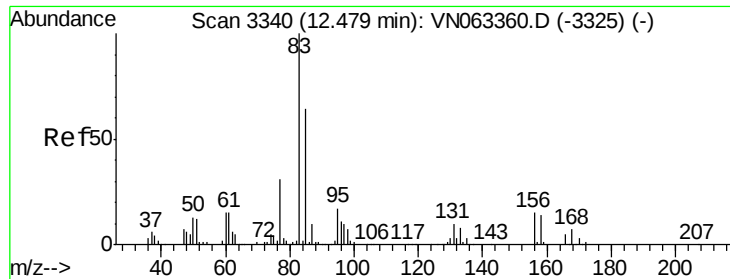
43 100

70 38.0 29.6 44.4

55 21.5 17.7 26.5

61 21.5 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 18.595 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. -0.00 min

Lab File: VN063479.D

Acq: 21 Sep 2020 12:34

Instrument :

MSVOA_N

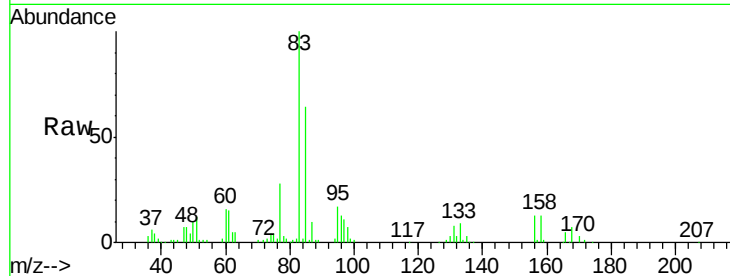
ClientSampleId :

VN0921MBS01

Tot Ion:	83	Resp:	98291
Ion Ratio	Lower	Upper	
83	100		
131	9.0	4.9	14.7
85	63.6	32.0	96.0

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN063360.D (-3325) (-)

Ion 130.80 (130.50 to 131.50): VN063360.D (-3325) (-)

Ion 84.90 (84.60 to 85.60): VN063360.D (-3325) (-)

12.48

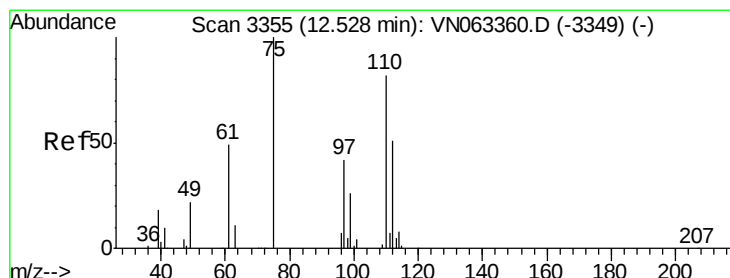
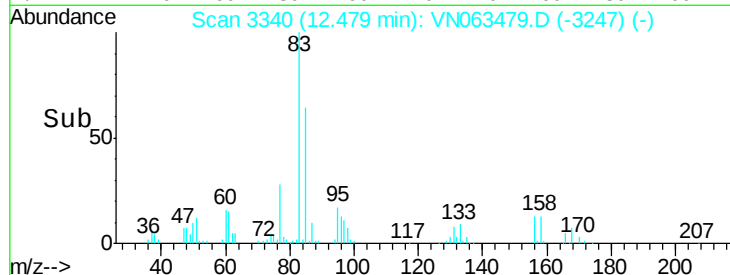
60000

40000

20000

0

Time--> 12.40 12.45 12.50



#76

1,2,3-Trichloropropane

Concen: 18.791 ug/l m

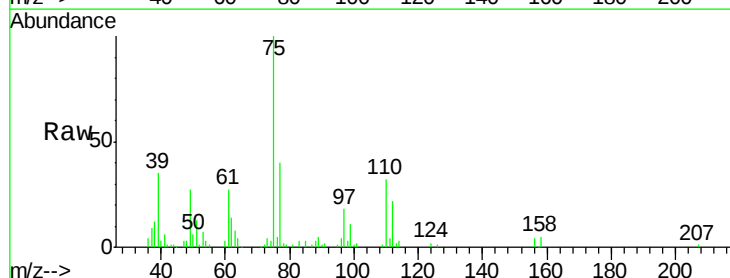
RT: 12.53 min Scan# 3355

Delta R.T. -0.00 min

Lab File: VN063479.D

Acq: 21 Sep 2020 12:34

Tgt Ion:	75	Resp:	99085
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN063360.D (-3349) (-)

Ion 77.00 (76.70 to 77.70): VN063360.D (-3349) (-)

80000

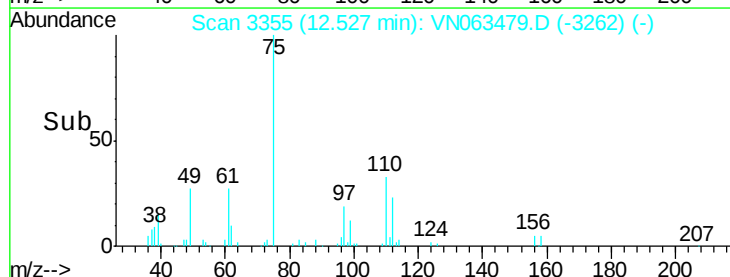
60000

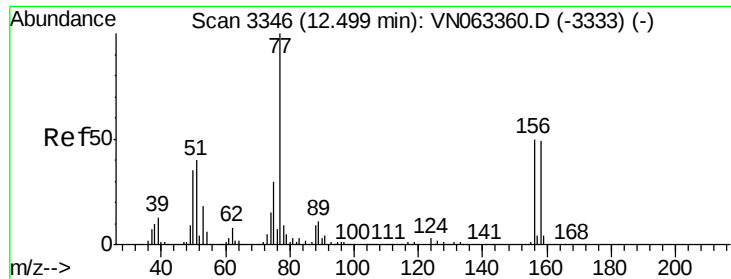
40000

20000

0

Time--> 12.50 12.55





#77

Bromobenzene

Concen: 19.394 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. -0.00 min

Lab File: VN063479.D

Acq: 21 Sep 2020 12:34

Instrument :

MSVOA_N

ClientSampleId :

VN0921MBS01

Tot Ion:156 Resp: 74476

Ion Ratio Lower Upper

156 100

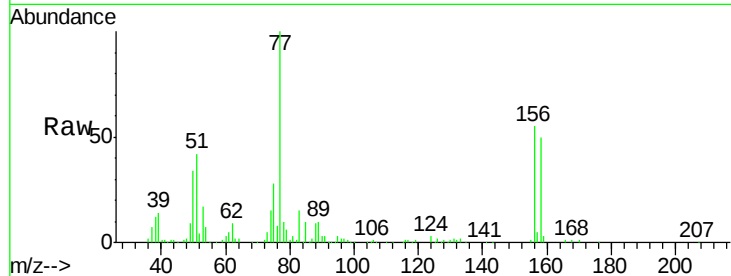
77 231.1 120.2 360.6

158 95.3 48.9 146.6

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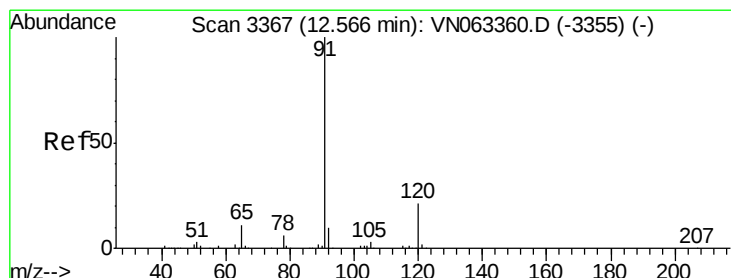
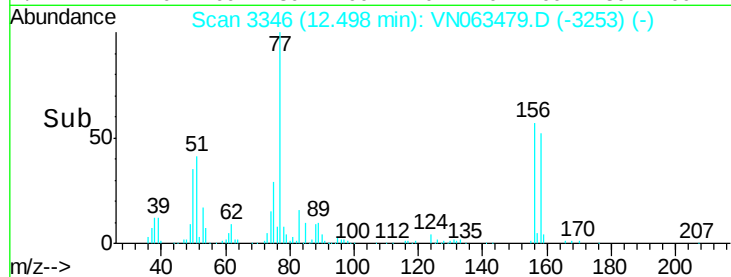
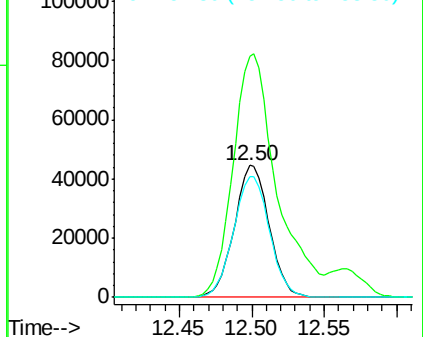
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.366 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. -0.00 min

Lab File: VN063479.D

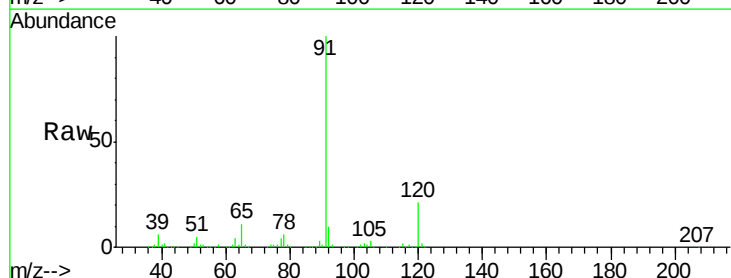
Acq: 21 Sep 2020 12:34

Tgt Ion: 91 Resp: 365195

Ion Ratio Lower Upper

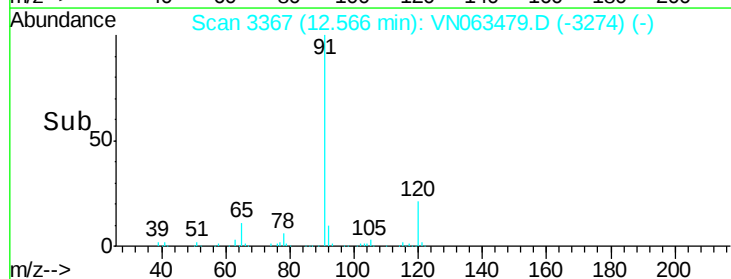
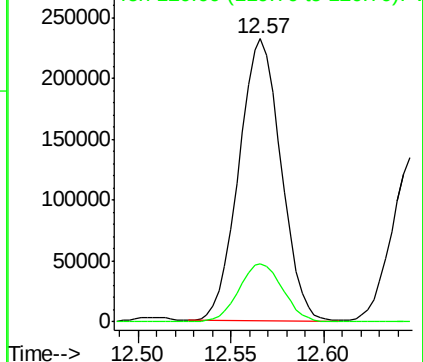
91 100

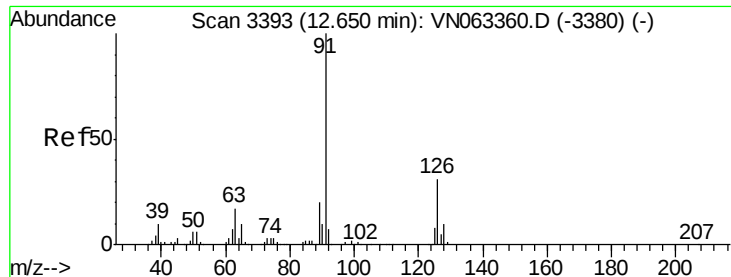
120 21.4 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.460 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. -0.00 min

Lab File: VN063479.D

Acq: 21 Sep 2020 12:34

Instrument :

MSVOA_N

ClientSampleId :

VN0921MBS01

Tot Ion: 91 Resp: 220035

Ion Ratio Lower Upper

91 100

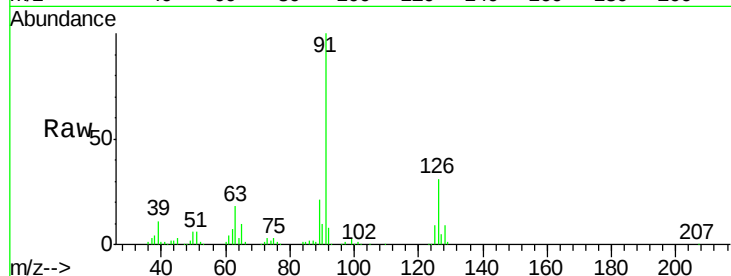
126 31.7 15.8 47.3

Manual Integrations

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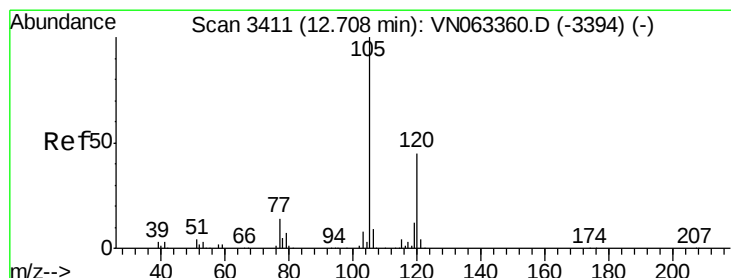
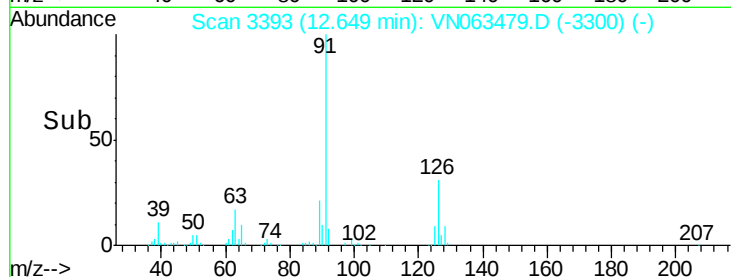
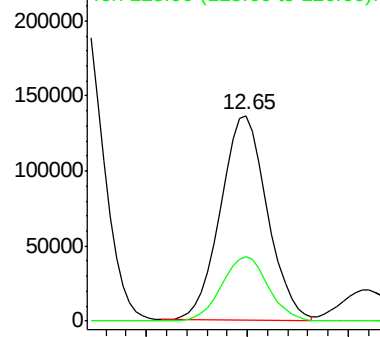
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Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 18.694 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN063479.D

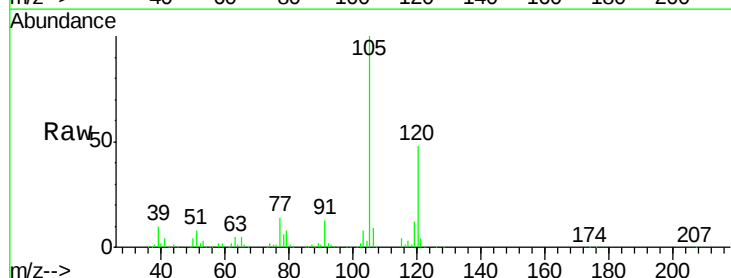
Acq: 21 Sep 2020 12:34

Tgt Ion:105 Resp: 266119

Ion Ratio Lower Upper

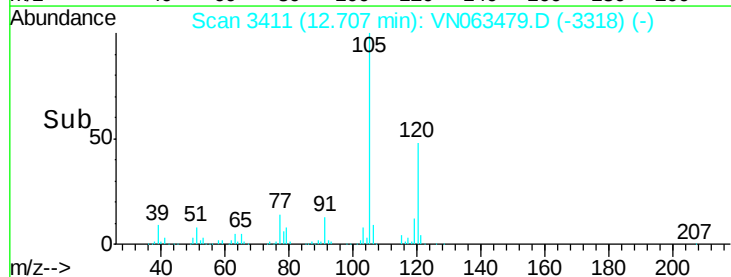
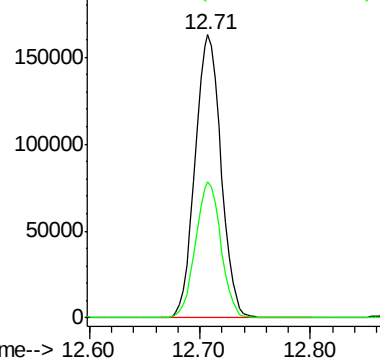
105 100

120 46.9 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 17.664 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN063479.D

Acq: 21 Sep 2020 12:34

Instrument :

MSVOA_N

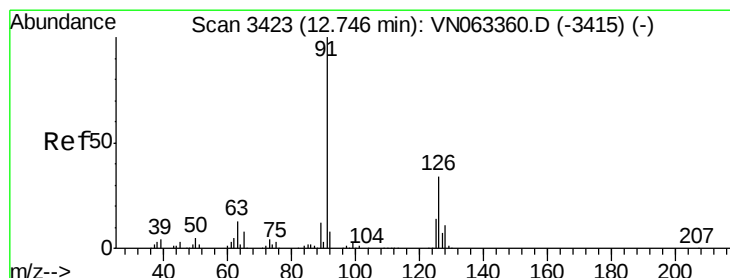
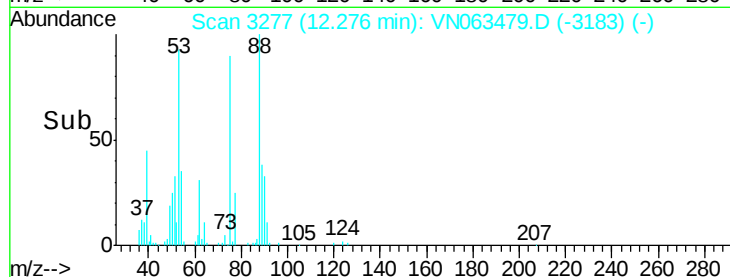
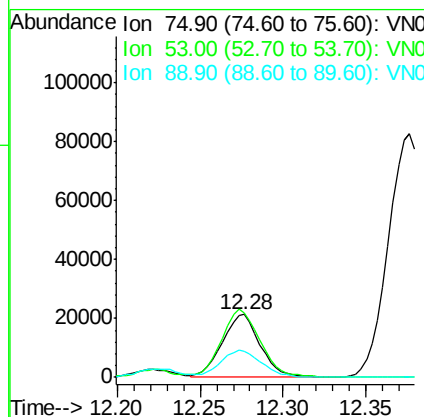
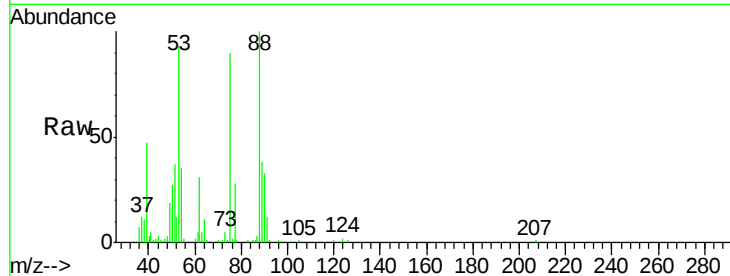
ClientSampled :

VN0921MBS01

Tot Ion:	75	Resp:	33973
Ion	Ratio	Lower	Upper
75	100		
53	109.0	85.7	128.5
89	46.1	38.0	57.0

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#82

4-Chlorotoluene

Concen: 18.203 ug/l

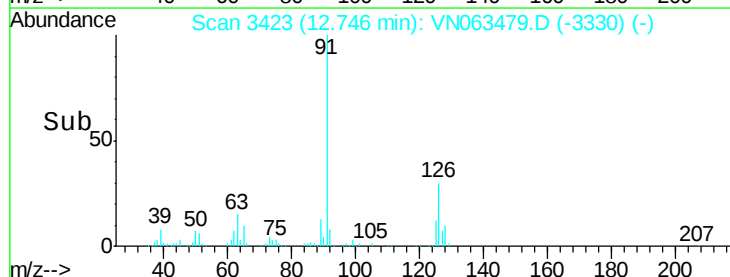
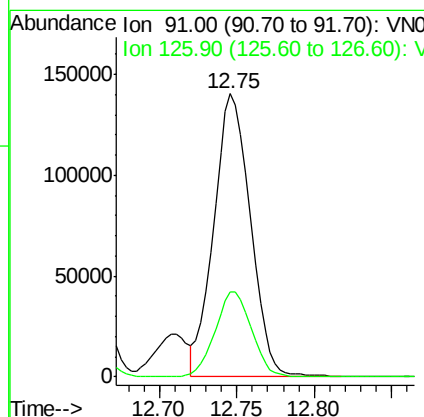
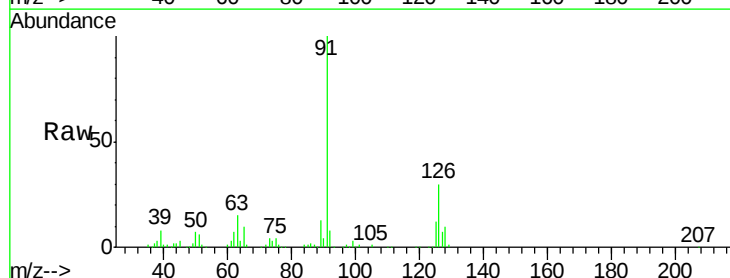
RT: 12.75 min Scan# 3423

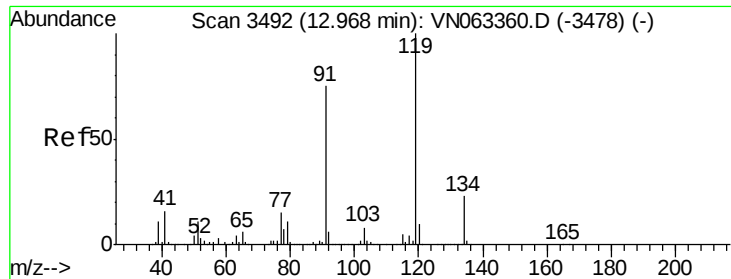
Delta R.T. -0.00 min

Lab File: VN063479.D

Acq: 21 Sep 2020 12:34

Tgt Ion:	91	Resp:	229248
Ion	Ratio	Lower	Upper
91	100		
126	30.1	15.5	46.5





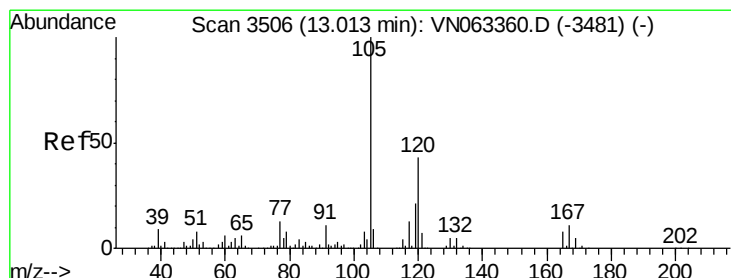
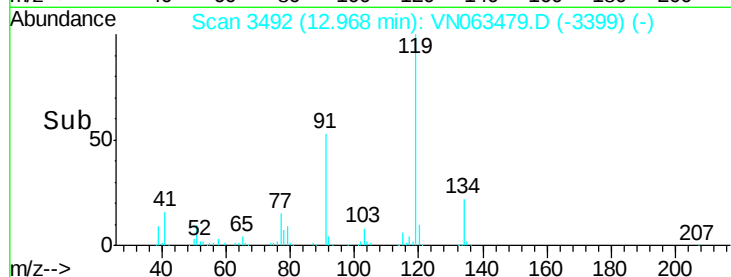
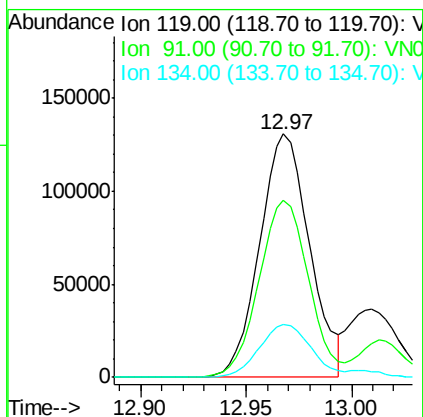
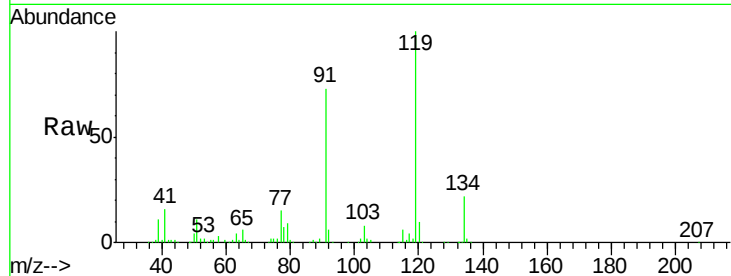
#83
tert-Butylbenzene
Concen: 18.377 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. -0.00 min
Lab File: VN063479.D
Acq: 21 Sep 2020 12:34

Instrument :
MSVOA_N
ClientSampleId :
VN0921MBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	215923		
91	72.5	36.3	108.9	
134	22.6	12.3	36.8	

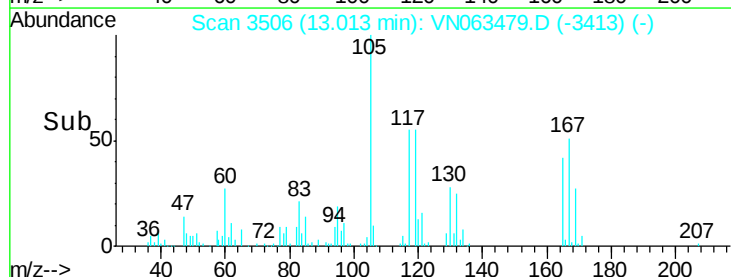
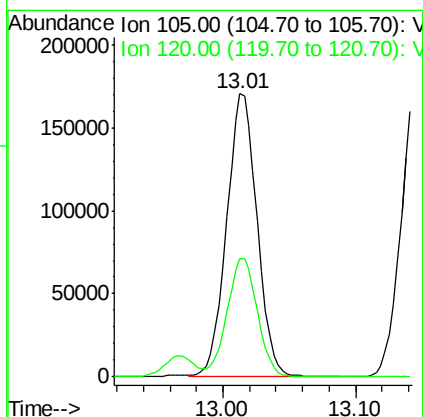
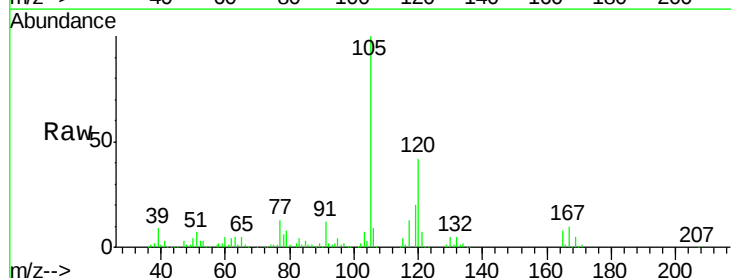
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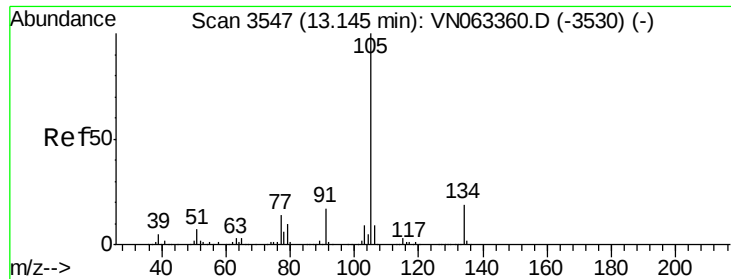
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 18.763 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VN063479.D
Acq: 21 Sep 2020 12:34

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	269802		
120	42.1	21.3	63.9	





#85

sec-Butylbenzene

Concen: 18.294 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN063479.D

Acq: 21 Sep 2020 12:34

Instrument :

MSVOA_N

ClientSampleId :

VN0921MBS01

Tot Ion:105 Resp: 287711

Ion Ratio Lower Upper

105 100

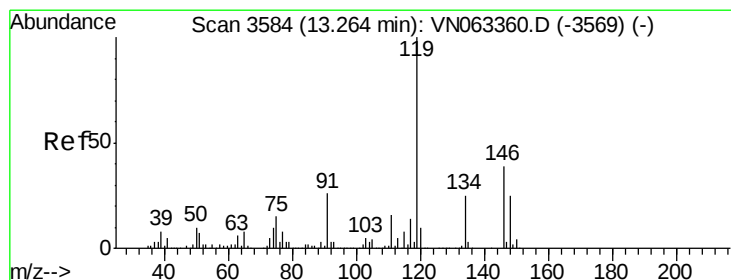
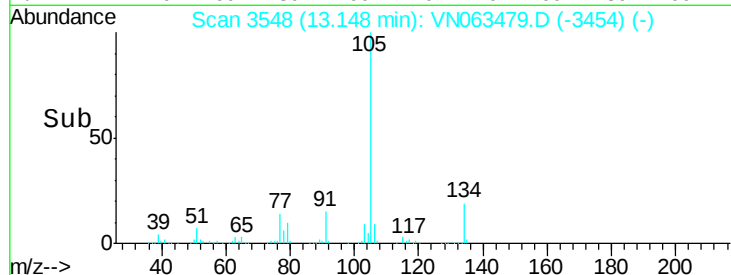
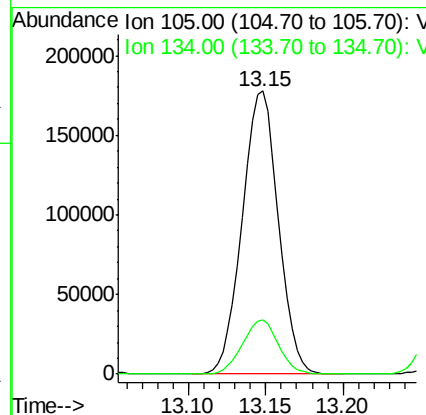
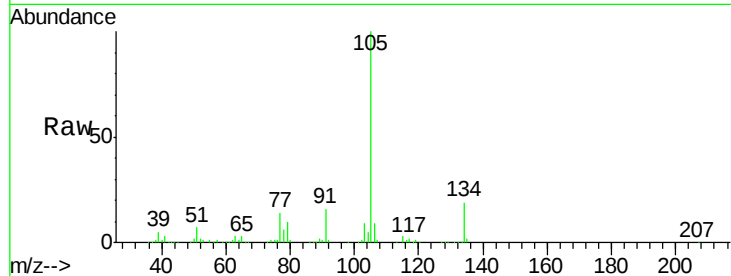
134 19.0 9.3 27.7

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 18.768 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. -0.00 min

Lab File: VN063479.D

Acq: 21 Sep 2020 12:34

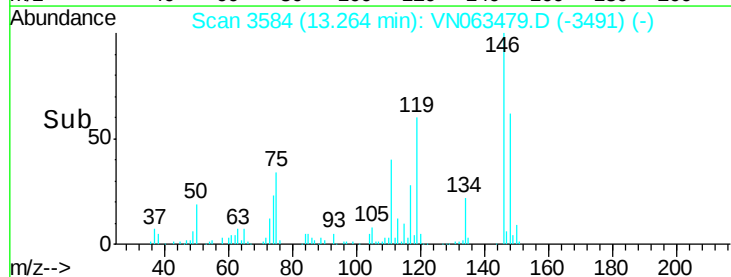
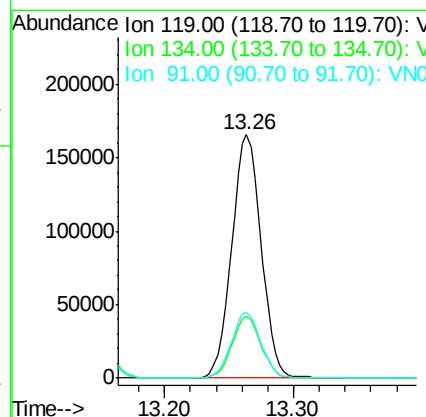
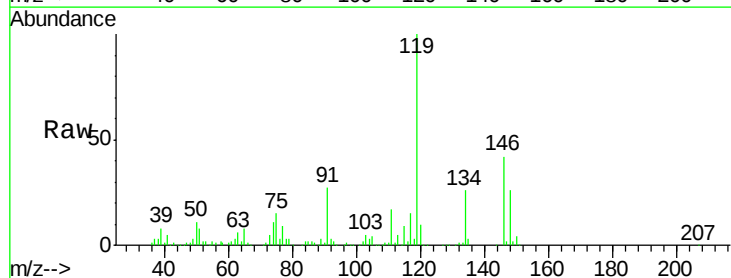
Tgt Ion:119 Resp: 260347

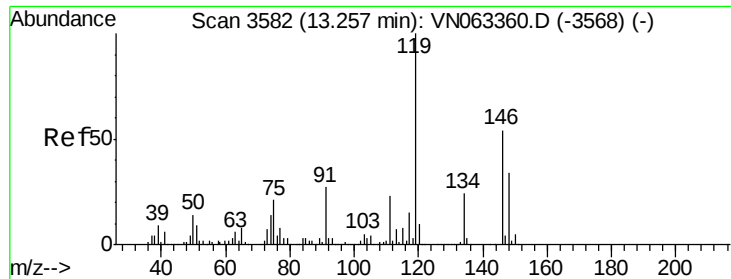
Ion Ratio Lower Upper

119 100

134 25.2 12.5 37.5

91 26.5 13.4 40.1





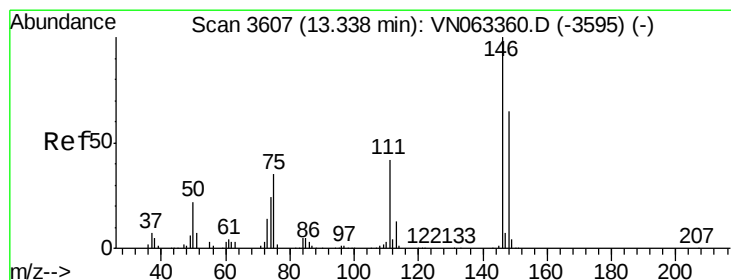
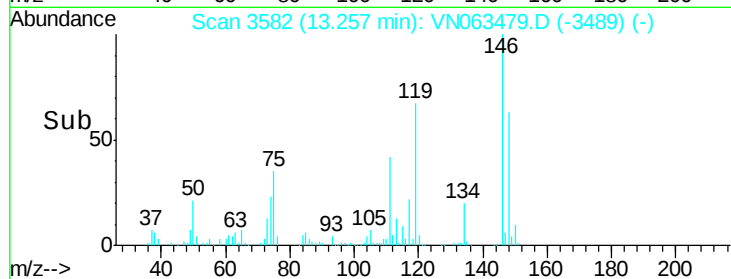
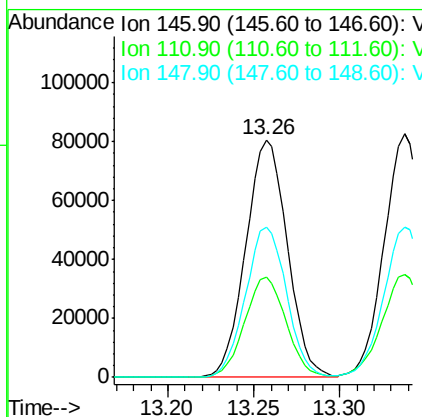
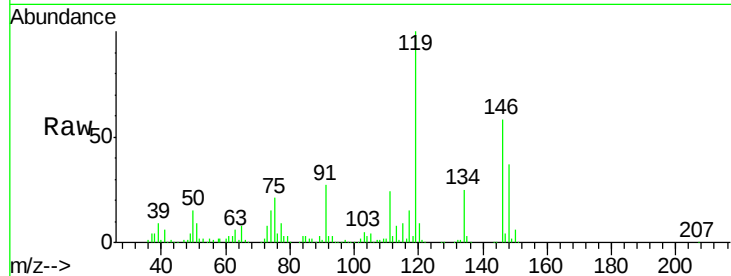
#87
 1,3-Dichlorobenzene
 Concen: 19.043 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN063479.D
 Acq: 21 Sep 2020 12:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	21.4	64.3
148	62.4	31.9	95.7

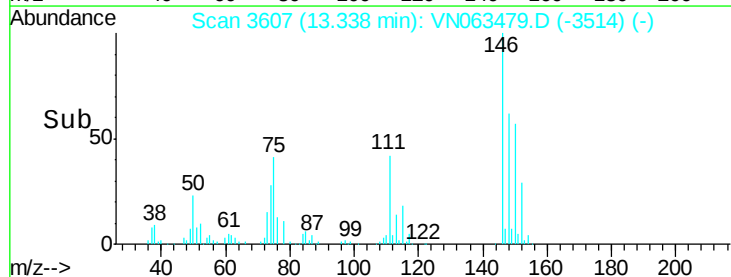
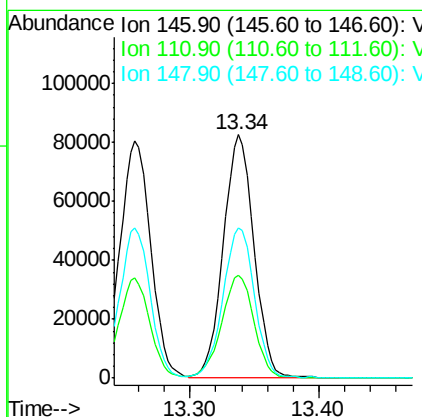
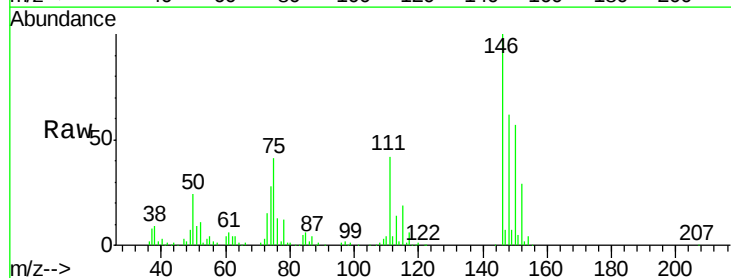
Manual Integrations
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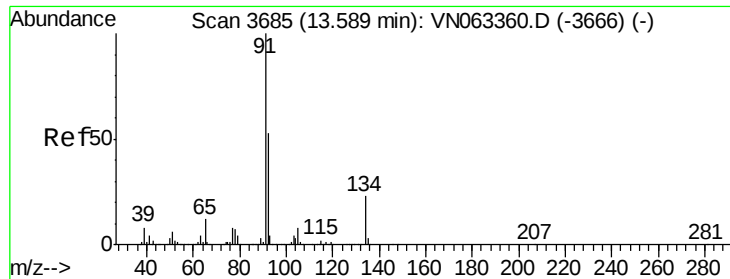
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#88
 1,4-Dichlorobenzene
 Concen: 18.743 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN063479.D
 Acq: 21 Sep 2020 12:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.4	21.2	63.6
148	62.9	31.9	95.9





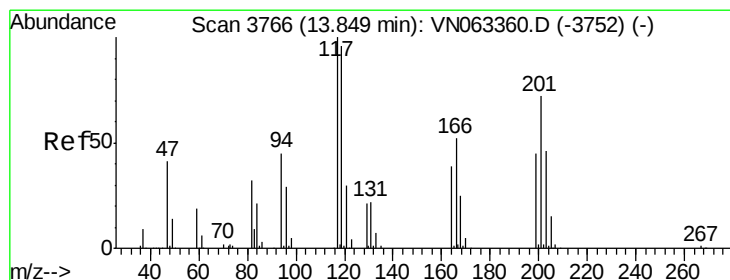
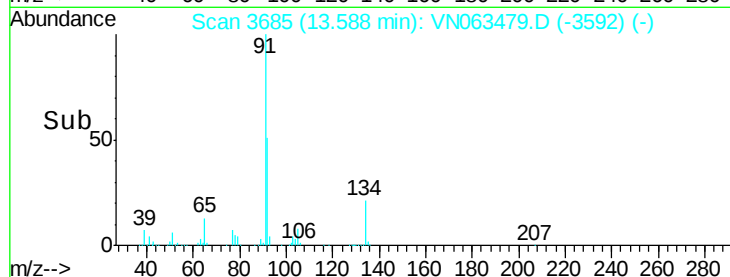
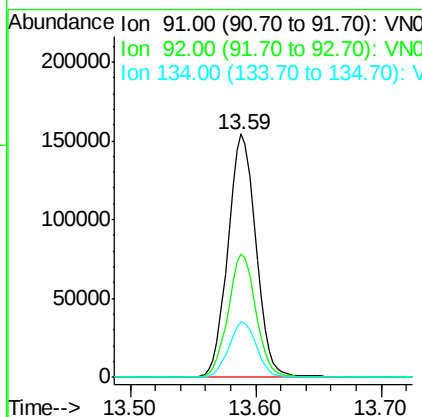
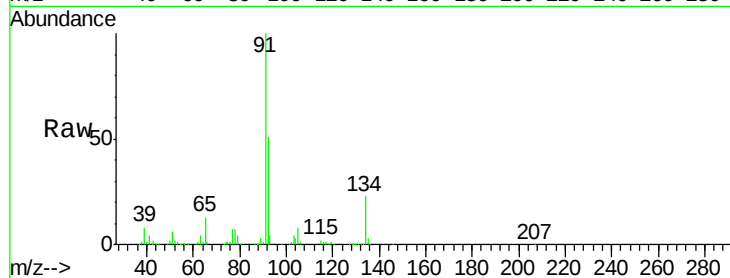
#89
n-Butylbenzene
Concen: 18.749 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN063479.D
Acq: 21 Sep 2020 12:34

Instrument :
MSVOA_N
ClientSampleId :
VN0921MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.3	26.0	78.0
134	22.6	11.7	35.0

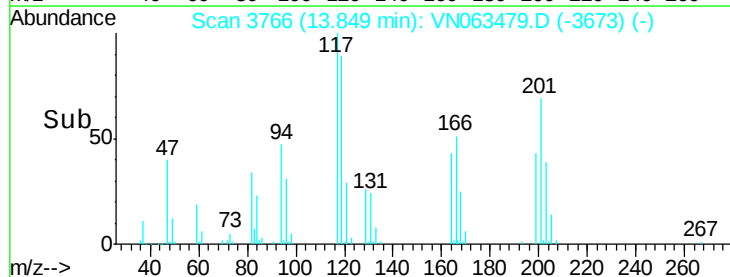
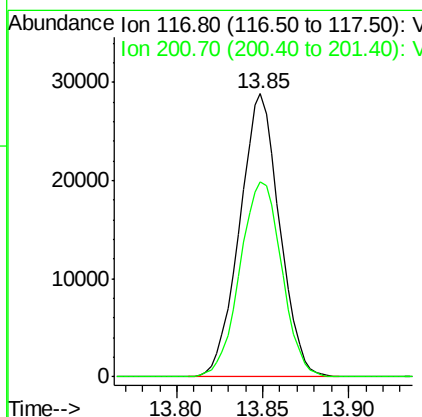
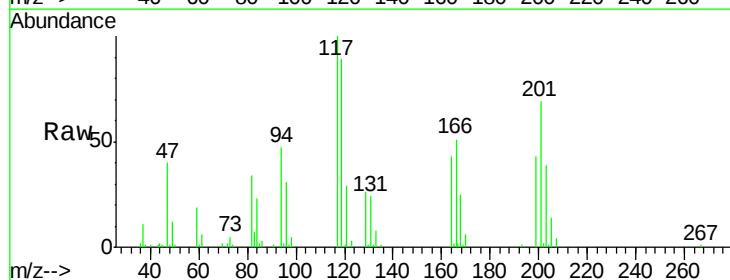
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#90
Hexachloroethane
Concen: 17.627 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN063479.D
Acq: 21 Sep 2020 12:34

Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.1	35.5	106.7





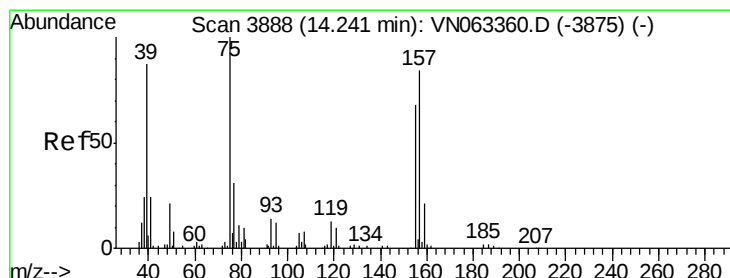
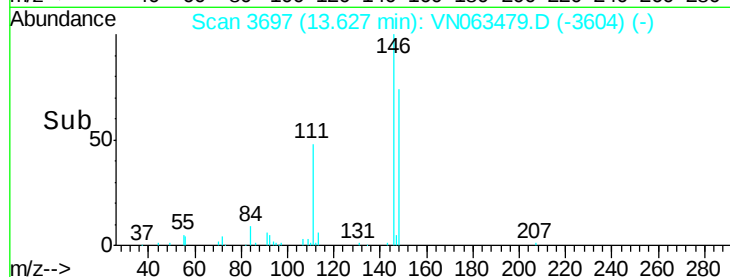
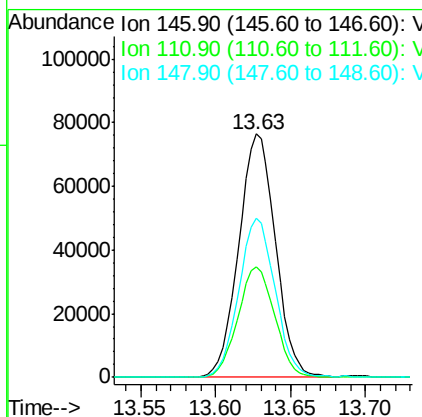
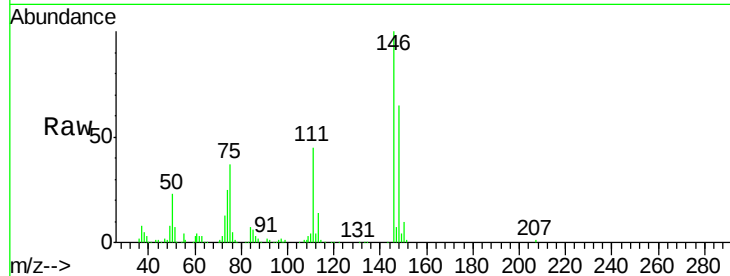
#91
 1,2-Dichlorobenzene
 Concen: 18.736 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN063479.D
 Acq: 21 Sep 2020 12:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921MBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	130928		
111	45.4		22.4	67.2
148	64.5		32.0	96.0

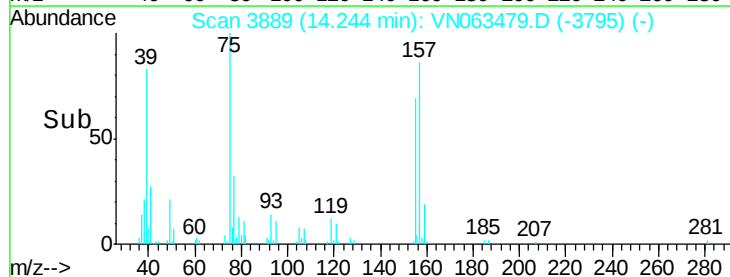
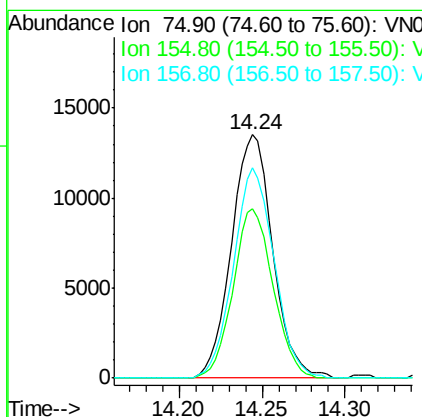
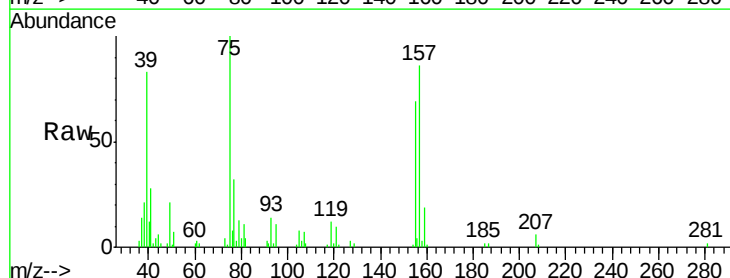
Manual Integrations
 APPROVED

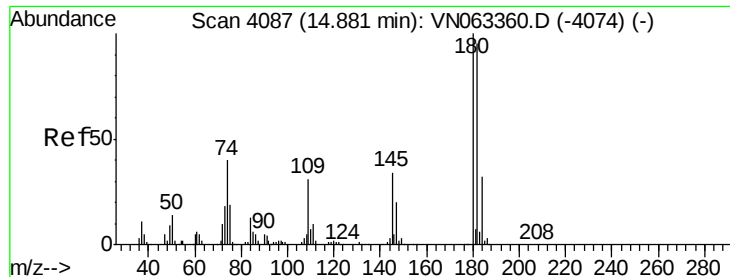
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 9/22/2020 2:07:05 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.557 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN063479.D
 Acq: 21 Sep 2020 12:34

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	23358		
155	67.5		34.6	103.9
157	85.2		43.7	131.1





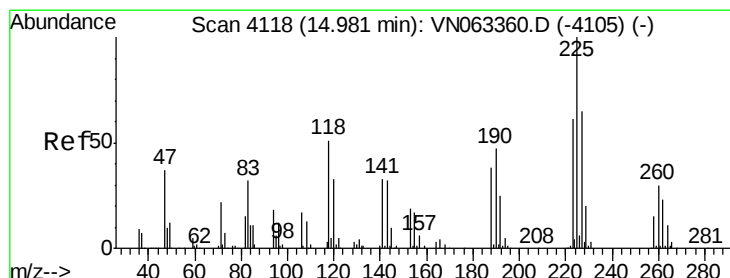
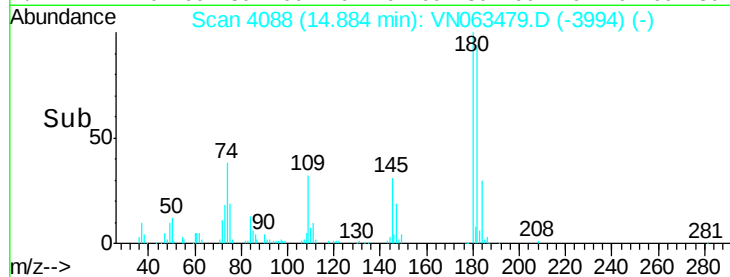
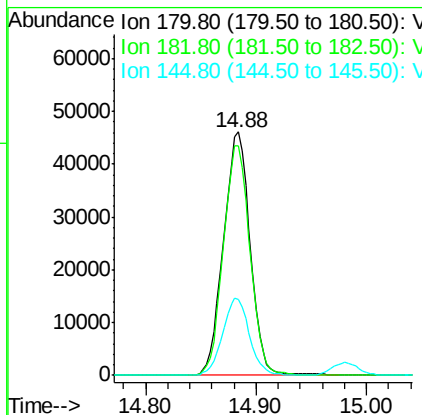
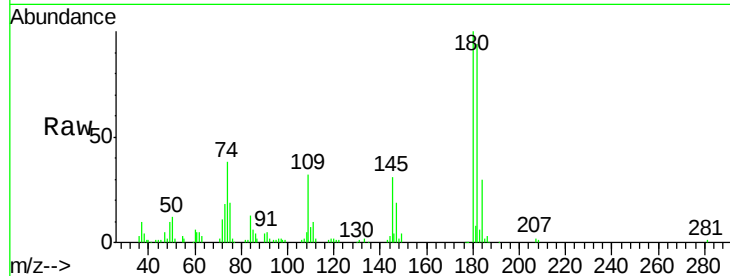
#93
 1,2,4-Trichlorobenzene
 Concen: 18.781 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN063479.D
 Acq: 21 Sep 2020 12:34

Instrument :
 MSVOA_N
 ClientSampled :
 VN0921MBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.3	142.0
145	31.7	16.6	49.7

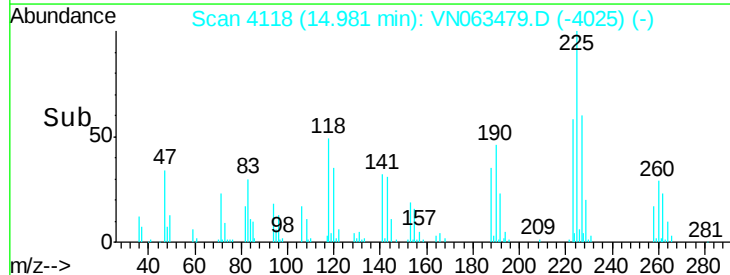
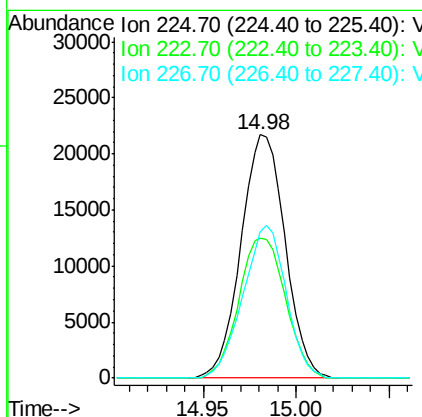
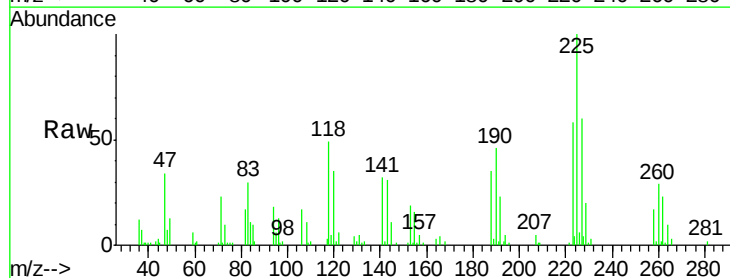
Manual Integrations
 APPROVED

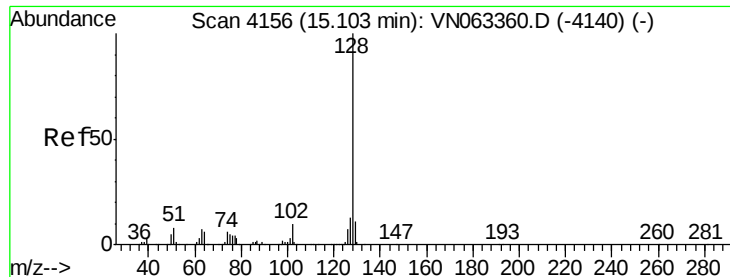
MMDadoda
 9/22/2020 2:07:05 PM



#94
 Hexachlorobutadiene
 Concen: 21.098 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN063479.D
 Acq: 21 Sep 2020 12:34

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.0	30.6	91.6
227	61.4	31.2	93.6





#95

Naphthalene

Concen: 18.622 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. -0.00 min

Lab File: VN063479.D

Acq: 21 Sep 2020 12:34

Instrument :

MSVOA_N

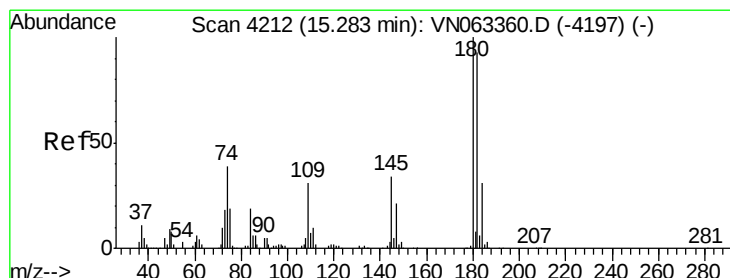
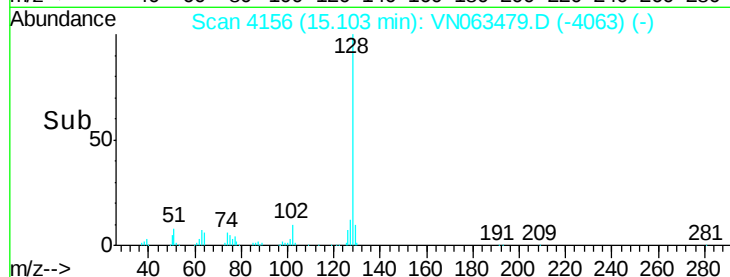
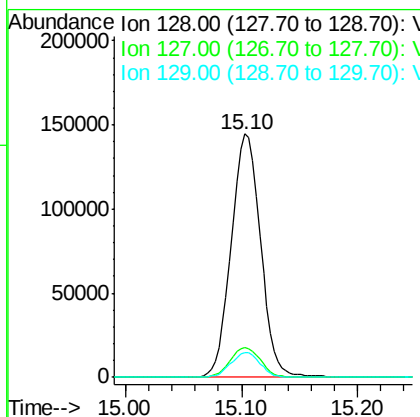
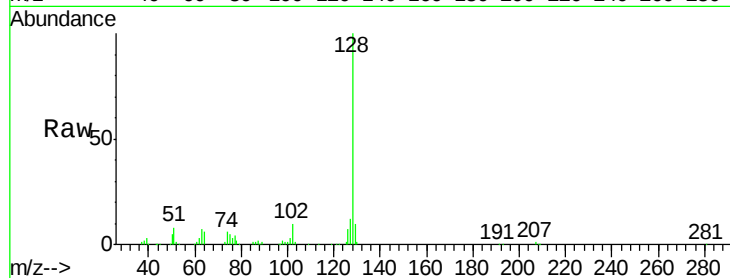
ClientSampleId :

VN0921MBS01

Tot Ion:	128	Resp:	253451
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.6	15.8
129	10.2	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
9/22/2020 2:07:05 PM



#96

1,2,3-Trichlorobenzene

Concen: 18.889 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN063479.D

Acq: 21 Sep 2020 12:34

Tgt Ion:	180	Resp:	75187
Ion Ratio	Lower	Upper	
180	100		
182	93.1	46.7	140.1
145	33.3	16.8	50.3

