

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060320\
 Data File : VN061633.D
 Acq On : 3 Jun 2020 13:06
 Operator : JC/MD
 Sample : VN0603MBSD01
 Misc : 5.00µ/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0603MBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/4/2020 3:08:14 PM

Quant Time: Jun 04 08:07:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:14:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	316996	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	539818	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	498054	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	245103	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	186458	49.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.74%	
35) Dibromofluoromethane	7.55	113	139982	51.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.24%	
50) Toluene-d8	10.06	98	617423	48.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.30%	
62) 4-Bromofluorobenzene	12.38	95	219295	47.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	71236	20.165	ug/l	98
3) Chloromethane	2.03	50	79156	20.473	ug/l	99
4) Vinyl Chloride	2.16	62	106448	20.091	ug/l	99
5) Bromomethane	2.54	94	65404	21.513	ug/l	98
6) Chloroethane	2.67	64	69446	20.363	ug/l	100
7) Trichlorofluoromethane	2.98	101	138679	20.297	ug/l	97
8) Diethyl Ether	3.37	74	40358	19.318	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	62535	20.626	ug/l	98
10) Methyl Iodide	3.91	142	85548	20.326	ug/l	99
11) Tert butyl alcohol	4.73	59	56418	112.306	ug/l	96
12) 1,1-Dichloroethene	3.70	96	64050	19.774	ug/l	94
13) Acrolein	3.57	56	15110	83.409	ug/l	98
14) Allyl chloride	4.28	41	78273	18.484	ug/l	98
15) Acrylonitrile	4.93	53	135240	96.449	ug/l	99
16) Acetone	3.78	43	111626	103.611	ug/l	99
17) Carbon Disulfide	4.01	76	140682	19.741	ug/l	99
18) Methyl Acetate	4.28	43	65608	19.189	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	213044	19.298	ug/l	97
20) Methylene Chloride	4.50	84	70600	19.505	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	70033	19.172	ug/l	96
22) Diisopropyl ether	5.90	45	179555	19.238	ug/l	95
23) Vinyl Acetate	5.84	43	673195	90.496	ug/l	99
24) 1,1-Dichloroethane	5.80	63	115690	19.547	ug/l	97
25) 2-Butanone	6.79	43	168819	94.316	ug/l	98
26) 2,2-Dichloropropane	6.78	77	110093	20.324	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	84515	20.432	ug/l	99
28) Bromochloromethane	7.15	49	46709	20.191	ug/l	96
29) Tetrahydrofuran	7.17	42	110822	93.892	ug/l	97
30) Chloroform	7.33	83	131633	20.104	ug/l	98
31) Cyclohexane	7.61	56	100548	18.890	ug/l	96
32) 1,1,1-Trichloroethane	7.53	97	118456	19.854	ug/l	100
36) 1,1-Dichloropropene	7.75	75	92082	19.269	ug/l	99
37) Ethyl Acetate	6.88	43	73812	19.177	ug/l	99
38) Carbon Tetrachloride	7.73	117	93705	20.329	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	106393	18.063	ug/l	97
40) Benzene	8.00	78	286852	19.454	ug/l	100
41) Methacrylonitrile	7.12	41	30409	17.244	ug/l	95
42) 1,2-Dichloroethane	8.09	62	96376	19.524	ug/l	99
43) Isopropyl Acetate	8.13	43	123093	17.776	ug/l	97
44) Trichloroethene	8.80	130	89054	19.653	ug/l	98
45) 1,2-Dichloropropane	9.09	63	68283	19.503	ug/l	97
46) Dibromomethane	9.18	93	52062	19.388	ug/l	97
47) Bromodichloromethane	9.37	83	101780	19.131	ug/l	100
48) Methyl methacrylate	9.17	41	53750	17.252	ug/l	97
49) 1,4-Dioxane	9.17	88	23652	490.040	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	361037	92.519	ug/l	98
52) Toluene	10.13	92	191731	19.923	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	106975	18.666	ug/l	97
54) cis-1,3-Dichloropropene	9.81	75	117863	19.127	ug/l	98
55) 1,1,2-Trichloroethane	10.54	97	75776	19.764	ug/l	95
56) Ethyl methacrylate	10.40	69	100756	18.812	ug/l	99
57) 1,3-Dichloropropane	10.68	76	120515	19.653	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	187612	81.968	ug/l	98
59) 2-Hexanone	10.72	43	257764	91.976	ug/l	100
60) Dibromochloromethane	10.87	129	84707	19.433	ug/l	100
61) 1,2-Dibromoethane	10.98	107	78892	19.729	ug/l	99
64) Tetrachloroethene	10.60	164	95878	20.451	ug/l	99
65) Chlorobenzene	11.41	112	210196	20.303	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	77997	20.234	ug/l	99
67) Ethyl Benzene	11.48	91	358401	20.030	ug/l	100
68) m/p-Xylenes	11.60	106	281098	39.620	ug/l	100
69) o-Xylene	11.92	106	137220	20.363	ug/l	98
70) Styrene	11.94	104	220828	19.788	ug/l	99
71) Bromoform	12.10	173	55859	18.805	ug/l #	100
73) Isopropylbenzene	12.22	105	359679	20.106	ug/l	99
74) N-amyl acetate	12.05	43	102408	18.178	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	93040	18.559	ug/l	96
76) 1,2,3-Trichloropropane	12.53	75	83702m	18.780	ug/l	
77) Bromobenzene	12.50	156	92102	20.170	ug/l	96
78) n-propylbenzene	12.57	91	390881	19.572	ug/l	99
79) 2-Chlorotoluene	12.65	91	230542	19.359	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	294614	19.704	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	30893	17.726	ug/l	98
82) 4-Chlorotoluene	12.75	91	238748	19.057	ug/l	98
83) tert-Butylbenzene	12.97	119	252297	19.098	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	297032	19.997	ug/l	100
85) sec-Butylbenzene	13.15	105	329463	19.354	ug/l	99
86) p-Isopropyltoluene	13.26	119	302474	19.294	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	160178	19.809	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	157906	19.169	ug/l	98
89) n-Butylbenzene	13.59	91	238151	18.137	ug/l	99
90) Hexachloroethane	13.85	117	37364	21.551	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	157447	20.375	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	17752	17.363	ug/l	99

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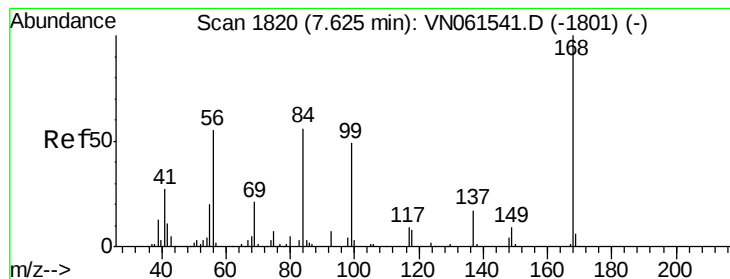
Manual Integrations
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QLast Update : Fri May 29 02:14:10 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	84427	18.681	ug/l	99
94) Hexachlorobutadiene	14.99	225	35056	18.188	ug/l	100
95) Naphthalene	15.10	128	255975	18.608	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	85117	19.155	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN061633.D

Acq: 3 Jun 2020 13:06

Instrument :

MSVOA_N

ClientSampleId :

VN0603MBSD01

Tot Ion:168 Resp: 316996

Ion Ratio Lower Upper

168 100

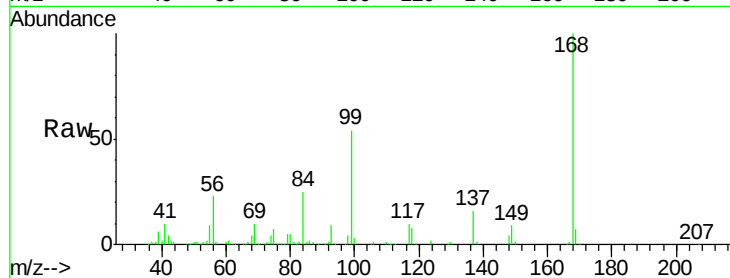
99 53.6 45.0 67.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.63

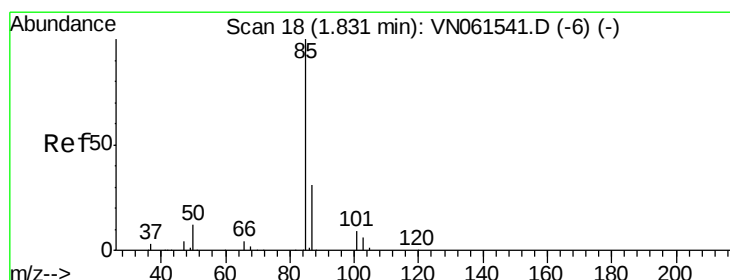
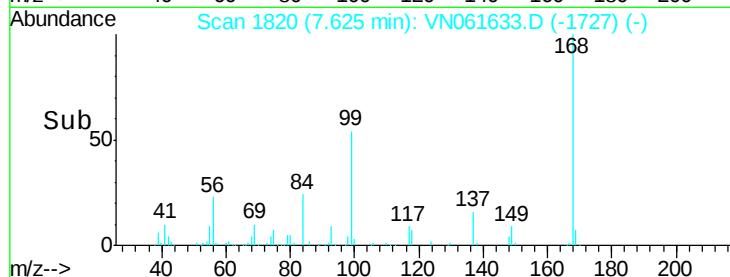
150000

100000

50000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 20.165 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061633.D

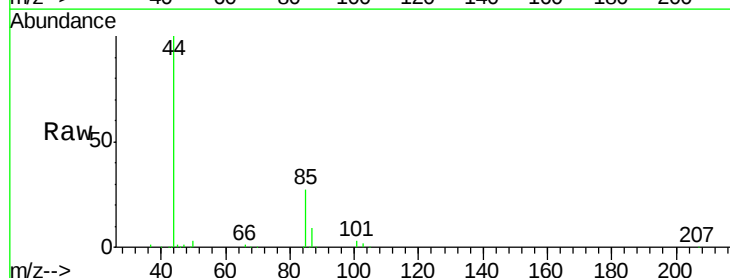
Acq: 3 Jun 2020 13:06

Tgt Ion: 85 Resp: 71236

Ion Ratio Lower Upper

85 100

87 32.0 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.83

60000

50000

40000

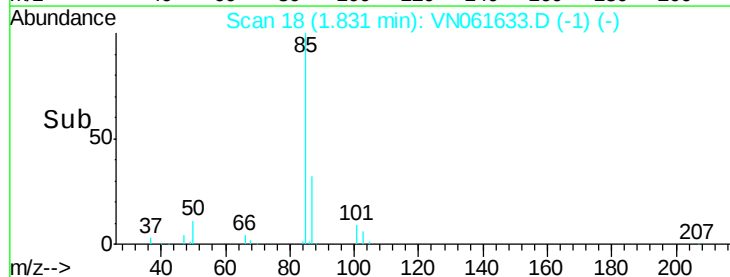
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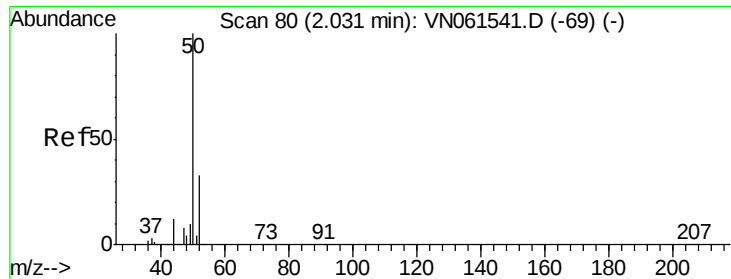
20000

10000

0

Time--> 1.75 1.80 1.85 1.90





#3

Chloromethane

Concen: 20.473 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN061633.D

Acq: 3 Jun 2020 13:06

Instrument :

MSVOA_N

ClientSampled :

VN0603MBS01

Tot Ion: 50 Resp: 79156

Ion Ratio Lower Upper

50 100

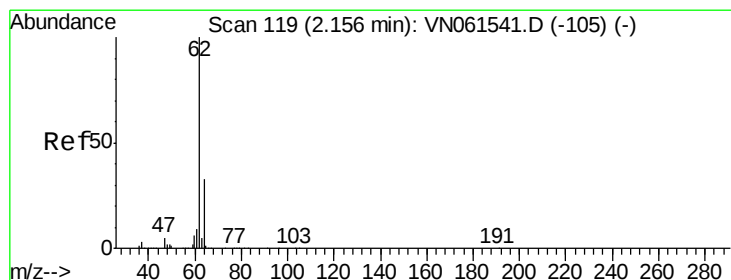
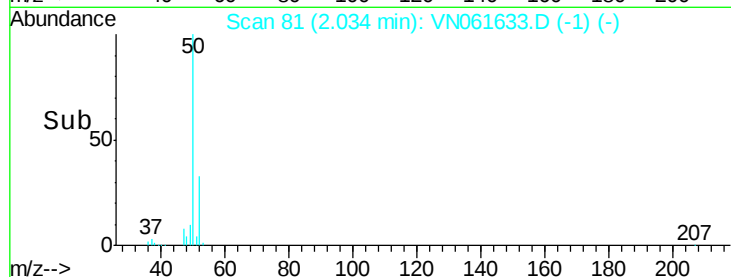
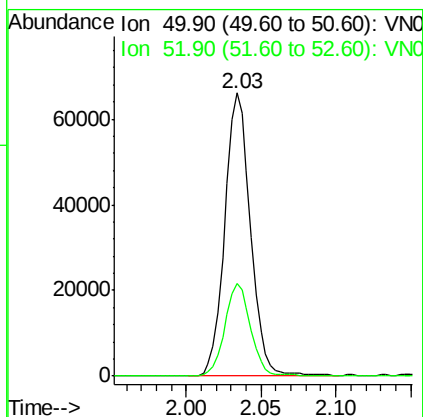
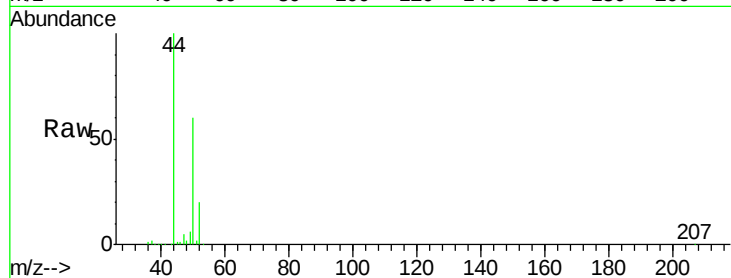
52 32.6 26.7 40.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.091 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN061633.D

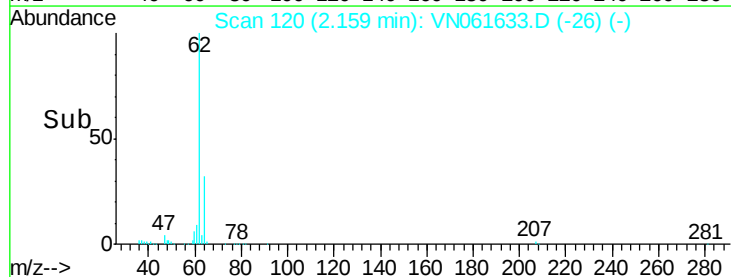
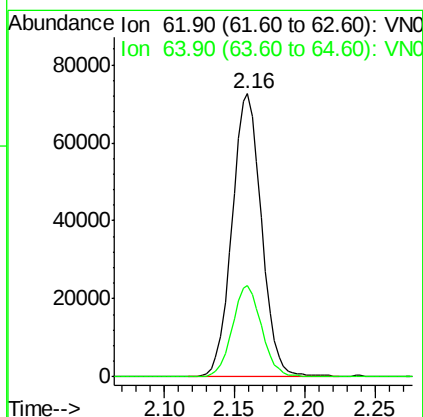
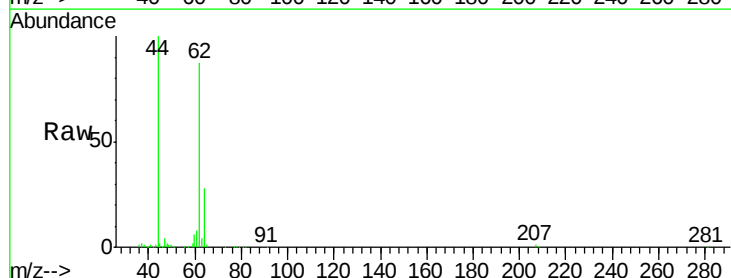
Acq: 3 Jun 2020 13:06

Tgt Ion: 62 Resp: 106448

Ion Ratio Lower Upper

62 100

64 32.2 26.2 39.2





#5

Bromomethane

Concen: 21.513 ug/l

RT: 2.54 min Scan# 237

Delta R.T. 0.00 min

Lab File: VN061633.D

Acq: 3 Jun 2020 13:06

Instrument :

MSVOA_N

ClientSampleId :

VN0603MBSD01

Tot Ion: 94 Resp: 65404

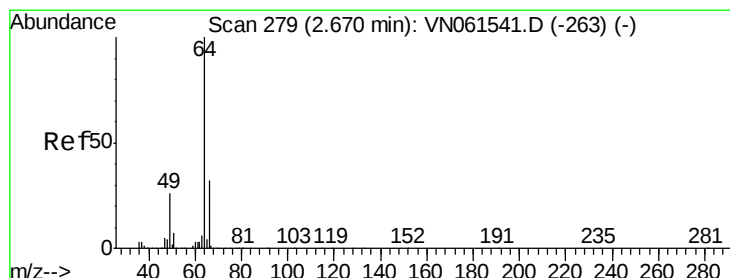
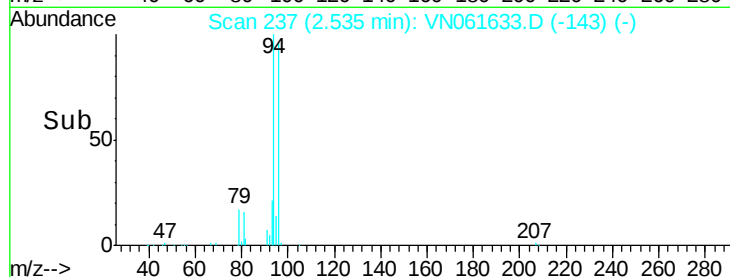
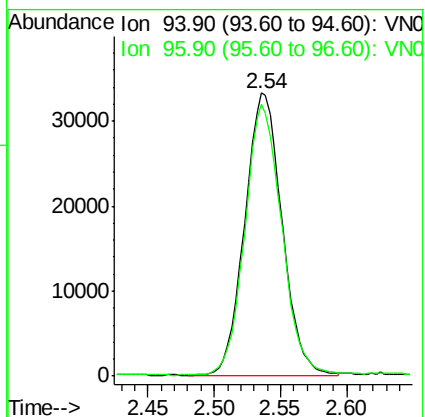
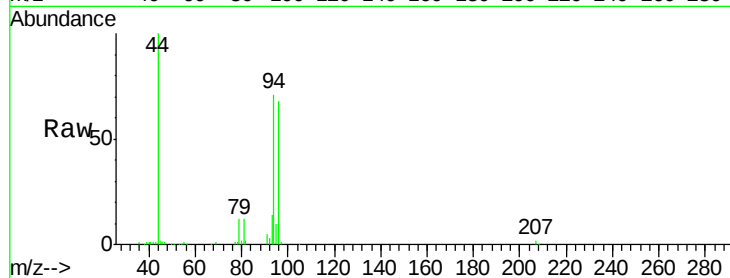
Ion Ratio Lower Upper

94 100

96 95.4 74.8 112.2

Manual Integrations
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#6

Chloroethane

Concen: 20.363 ug/l

RT: 2.67 min Scan# 280

Delta R.T. 0.00 min

Lab File: VN061633.D

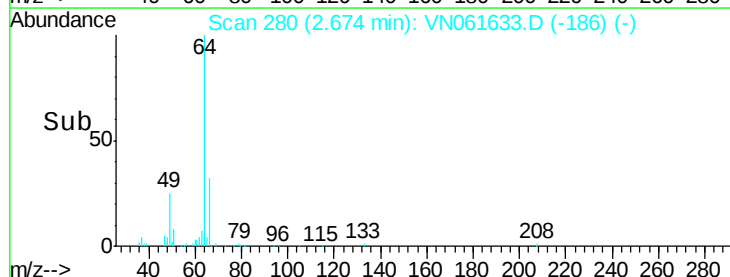
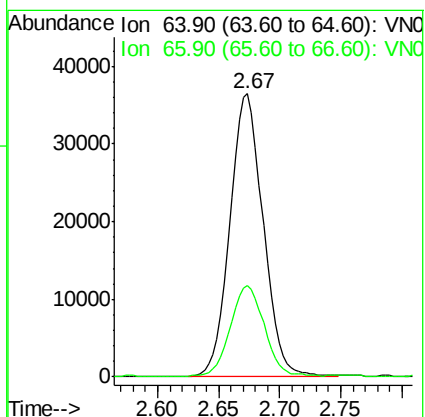
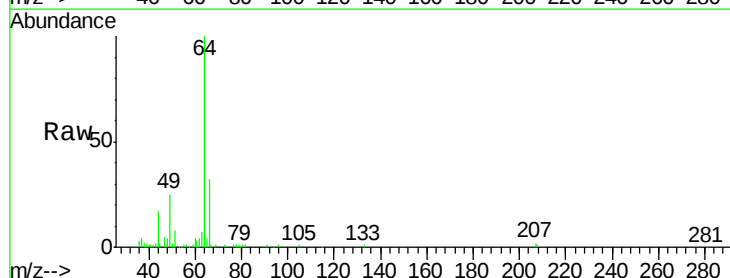
Acq: 3 Jun 2020 13:06

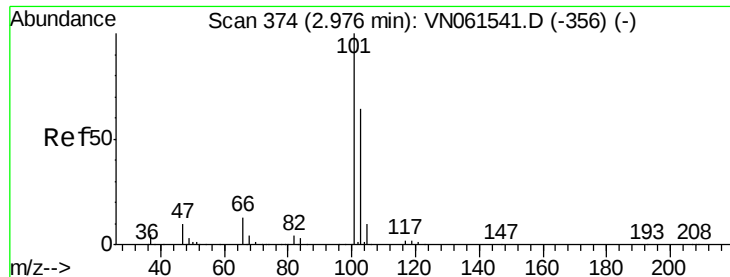
Tgt Ion: 64 Resp: 69446

Ion Ratio Lower Upper

64 100

66 32.1 25.6 38.4





#7

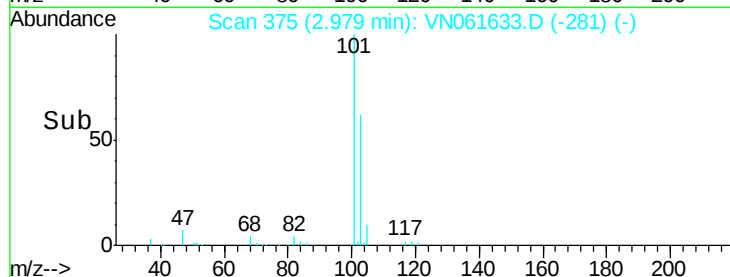
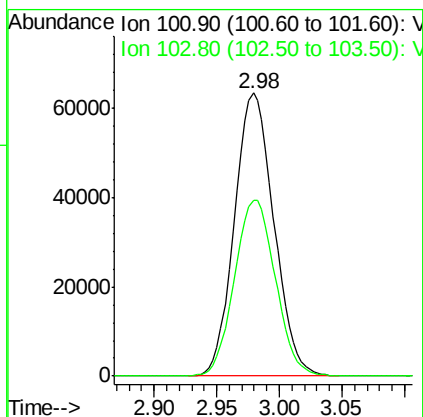
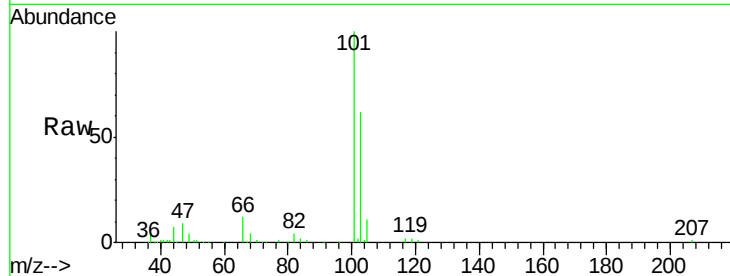
Trichlorofluoromethane
Concen: 20.297 ug/l
RT: 2.98 min Scan# 375
Delta R.T. 0.00 min
Lab File: VN061633.D
Acq: 3 Jun 2020 13:06

Instrument :
MSVOA_N
ClientSampled :
VN0603MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.3	51.4	77.2

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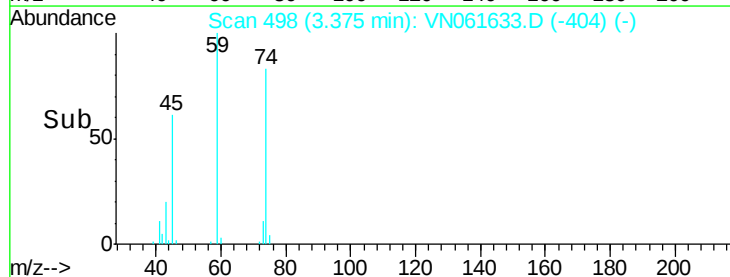
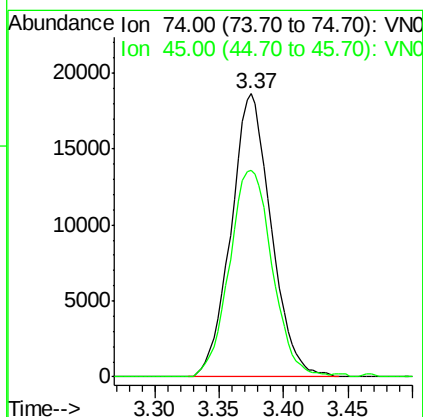
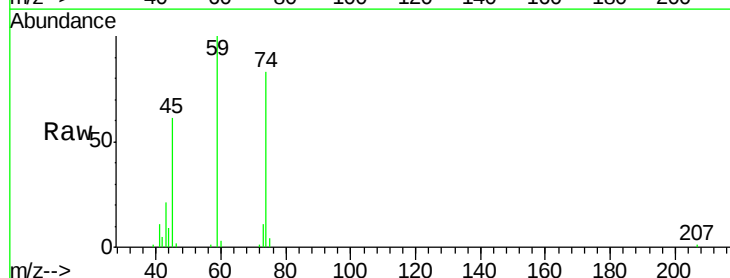
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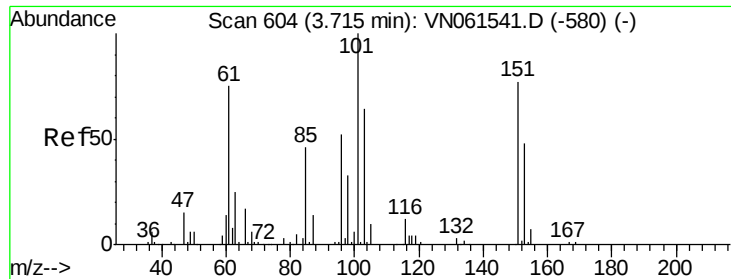


#8

Diethyl Ether
Concen: 19.318 ug/l
RT: 3.37 min Scan# 498
Delta R.T. 0.00 min
Lab File: VN061633.D
Acq: 3 Jun 2020 13:06

Tgt Ion	Ratio	Lower	Upper
74	100		
45	77.7	39.9	119.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.626 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN061633.D

Acq: 3 Jun 2020 13:06

Instrument :

MSVOA_N

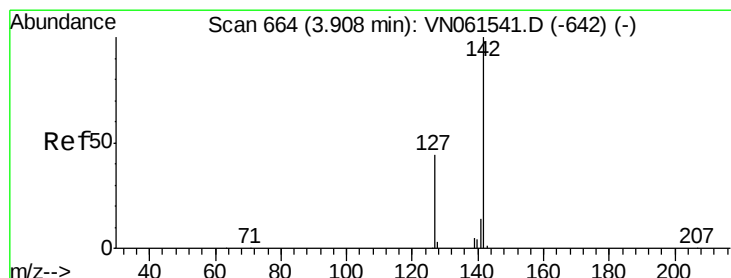
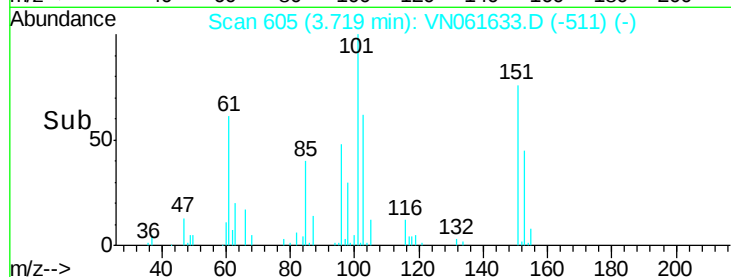
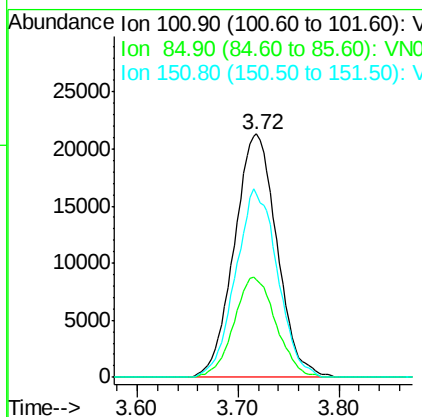
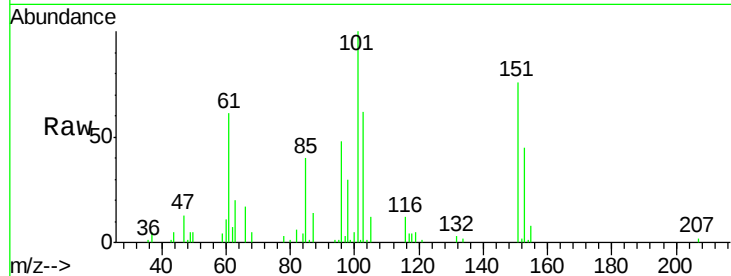
ClientSampleId :

VN0603MBSD01

Tot Ion:	101	Resp:	62535
Ion Ratio	Lower	Upper	
101	100		
85	40.5	35.2	52.8
151	76.2	61.0	91.6

Manual Integrations
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#10

Methyl Iodide

Concen: 20.326 ug/l

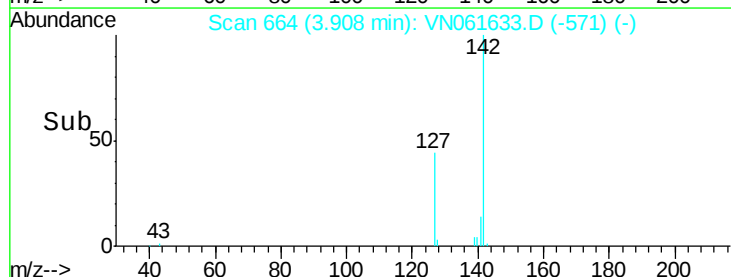
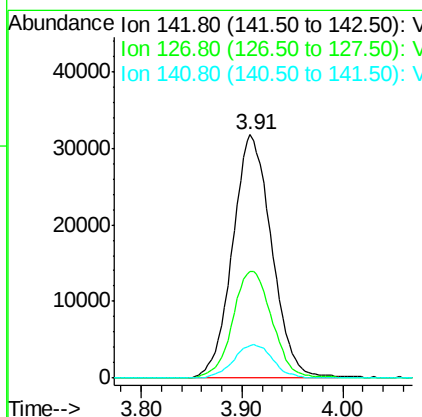
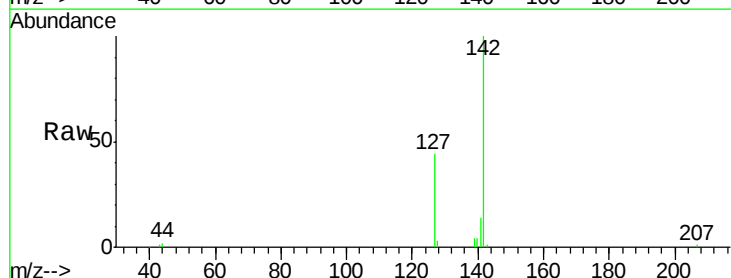
RT: 3.91 min Scan# 664

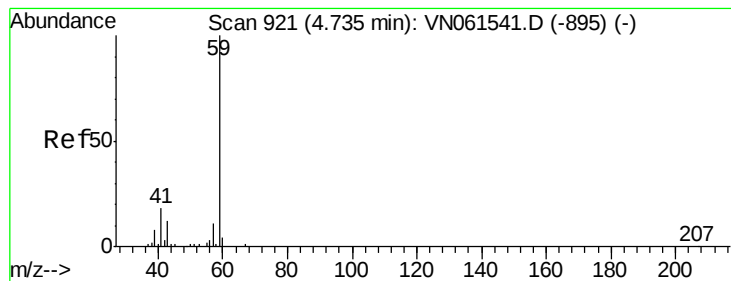
Delta R.T. 0.00 min

Lab File: VN061633.D

Acq: 3 Jun 2020 13:06

Tgt Ion:	142	Resp:	85548
Ion Ratio	Lower	Upper	
142	100		
127	44.0	35.5	53.3
141	13.7	11.5	17.3





#11

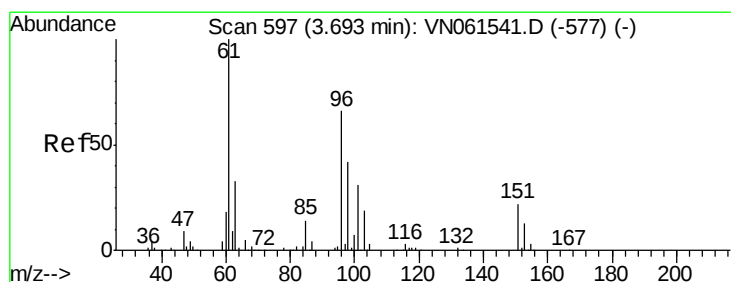
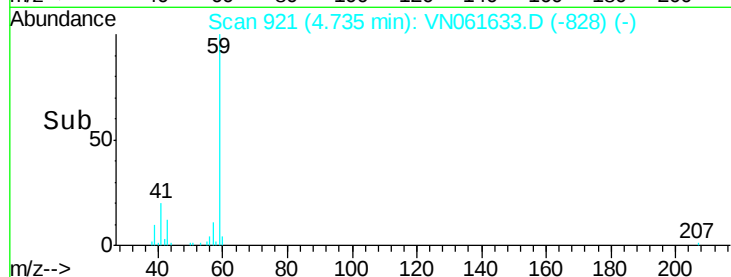
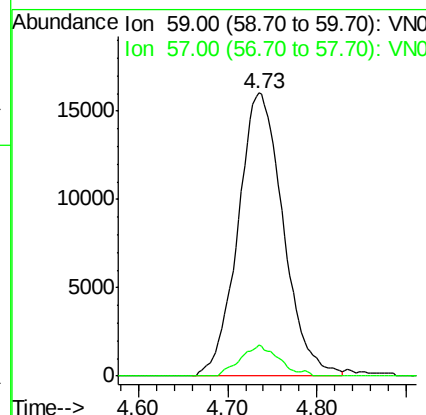
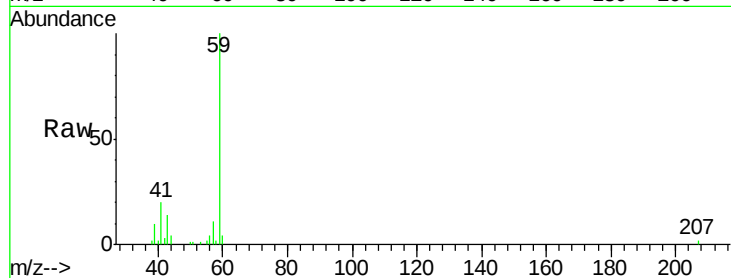
Tert butyl alcohol
Concen: 112.306 ug/l
RT: 4.73 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN061633.D
Acq: 3 Jun 2020 13:06

Instrument :
MSVOA_N
ClientSampled :
VN0603MBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.0	8.4	12.6

Manual Integrations
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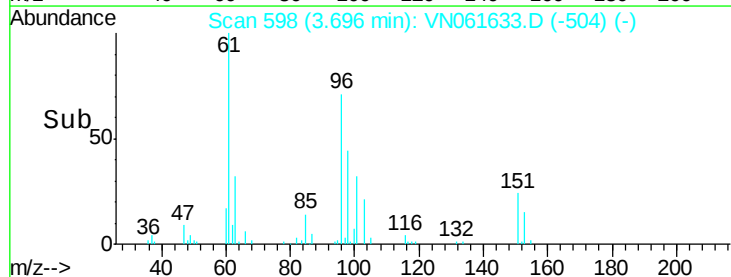
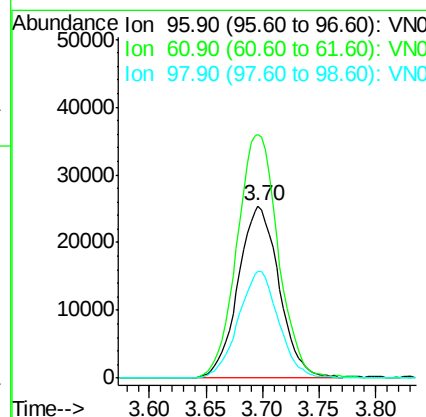
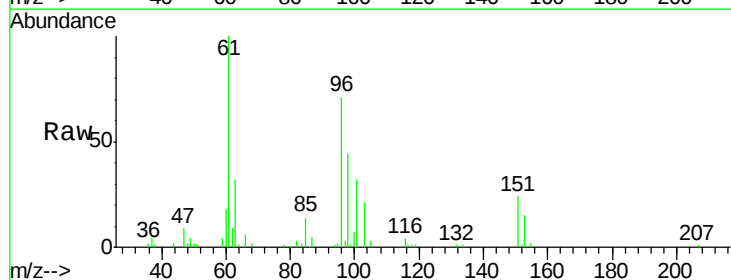
MMDadoda
6/4/2020 3:08:14 PM

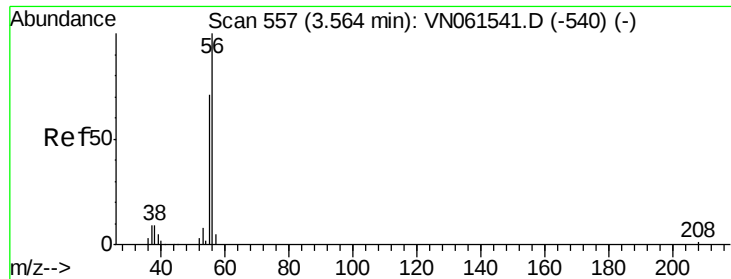


#12

1,1-Dichloroethene
Concen: 19.774 ug/l
RT: 3.70 min Scan# 598
Delta R.T. 0.00 min
Lab File: VN061633.D
Acq: 3 Jun 2020 13:06

Tgt Ion	Ratio	Lower	Upper
96	100		
61	141.3	120.5	180.7
98	62.1	50.8	76.2





#13

Acrolein

Concen: 83.409 ug/l

RT: 3.57 min Scan# 559

Delta R.T. 0.01 min

Lab File: VN061633.D

Acq: 3 Jun 2020 13:06

Instrument :

MSVOA_N

ClientSampleId :

VN0603MBSD01

Tot Ion: 56 Resp: 15110

Ion Ratio Lower Upper

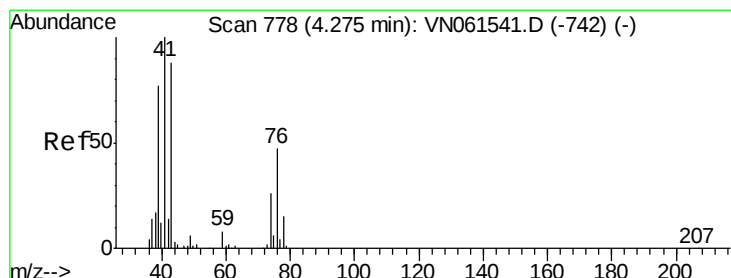
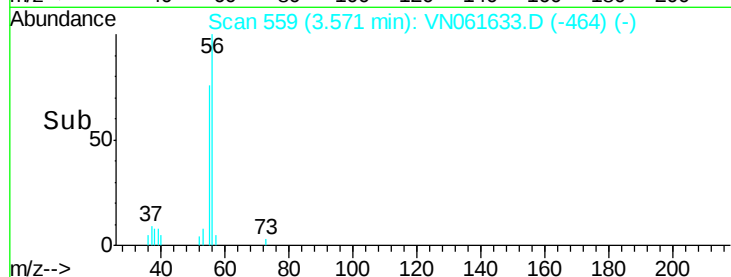
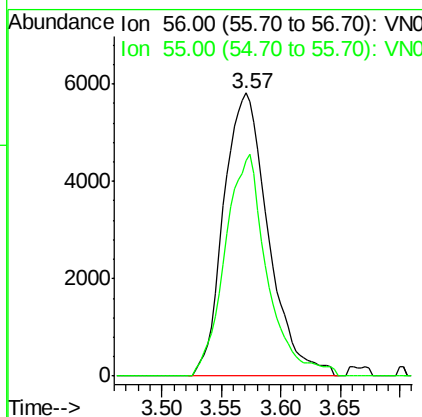
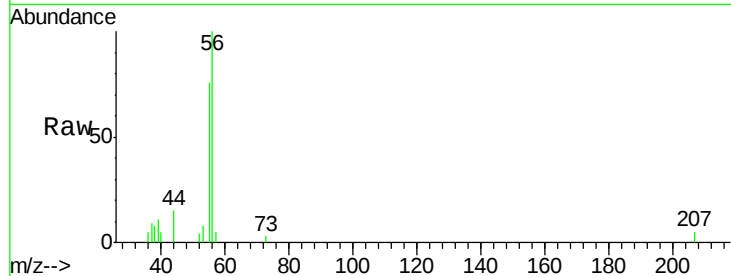
56 100

55 73.9 58.0 87.0

Manual Integrations
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#14

Allyl chloride

Concen: 18.484 ug/l

RT: 4.28 min Scan# 779

Delta R.T. 0.00 min

Lab File: VN061633.D

Acq: 3 Jun 2020 13:06

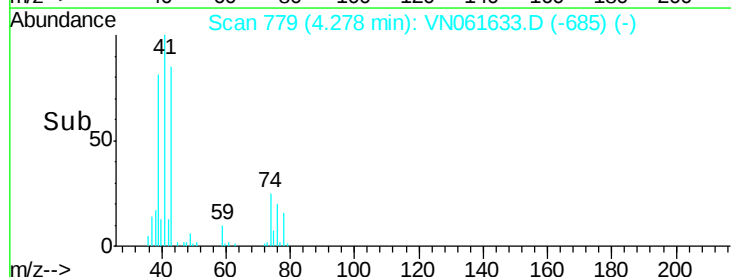
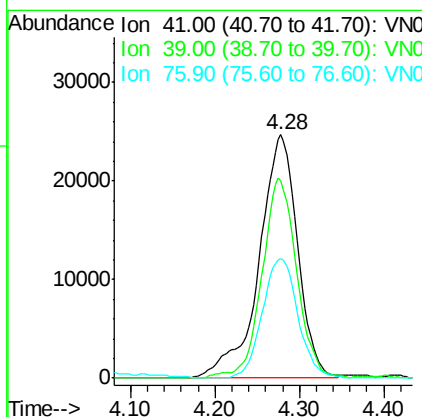
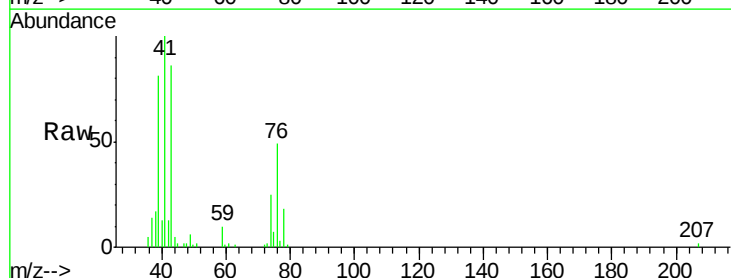
Tgt Ion: 41 Resp: 78273

Ion Ratio Lower Upper

41 100

39 74.1 58.6 88.0

76 45.4 34.2 51.4





#15

Acrylonitrile

Concen: 96.449 ug/l

RT: 4.93 min Scan# 983

Delta R.T. 0.01 min

Lab File: VN061633.D

Acq: 3 Jun 2020 13:06

Instrument :

MSVOA_N

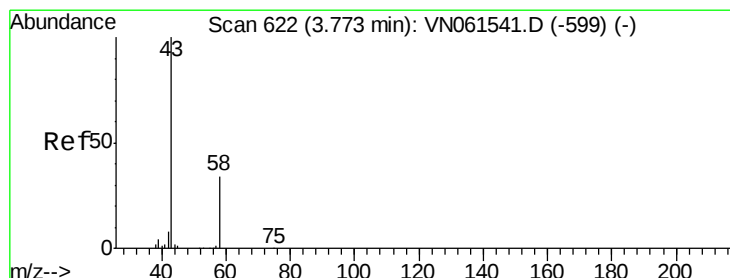
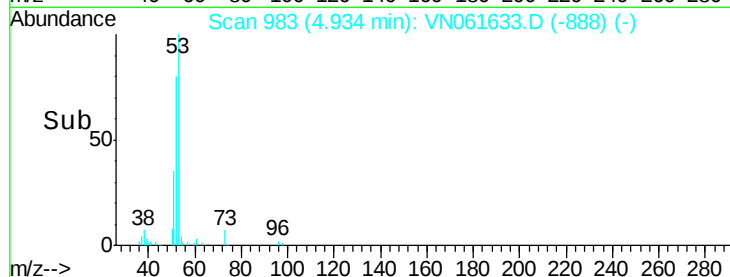
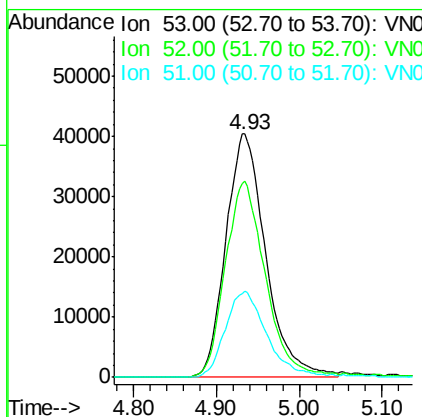
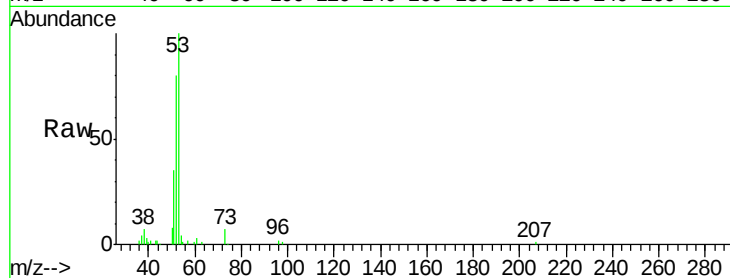
ClientSampleId :

VN0603MBS01

Tot Ion:	53	Resp:	135240
Ion	Ratio	Lower	Upper
53	100		
52	81.1	65.4	98.2
51	36.9	29.0	43.6

Manual Integrations
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#16

Acetone

Concen: 103.611 ug/l

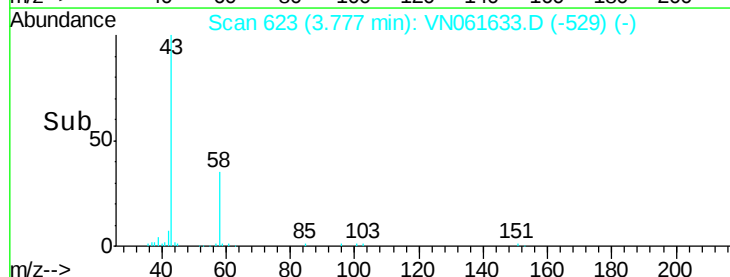
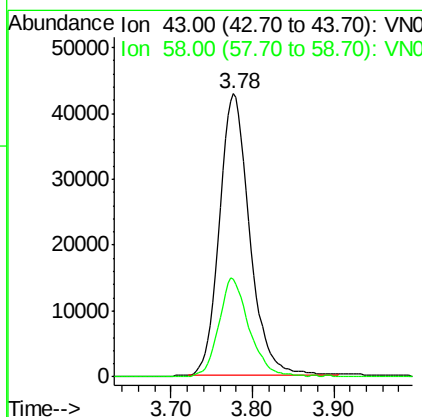
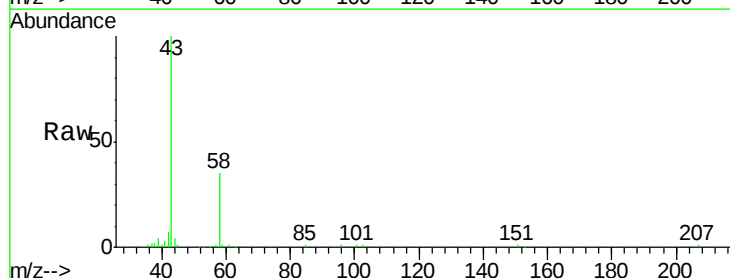
RT: 3.78 min Scan# 623

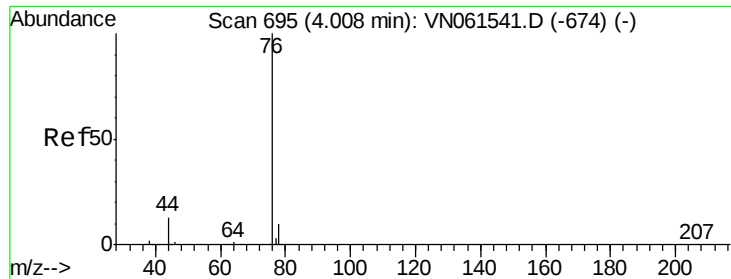
Delta R.T. 0.00 min

Lab File: VN061633.D

Acq: 3 Jun 2020 13:06

Tgt Ion:	43	Resp:	111626
Ion	Ratio	Lower	Upper
43	100		
58	34.8	27.2	40.8





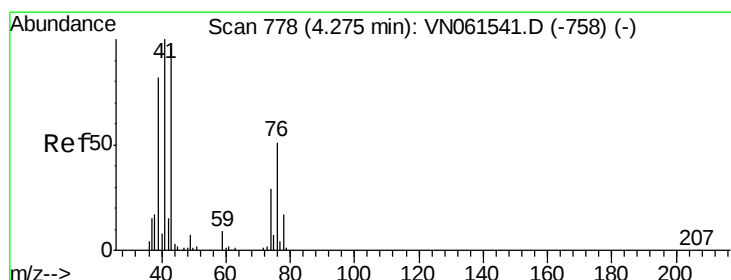
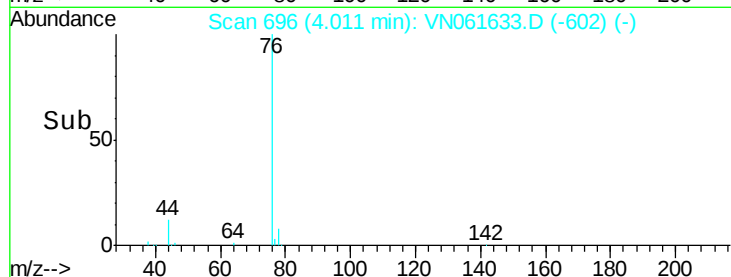
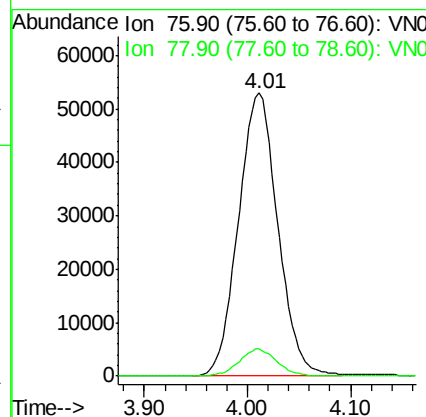
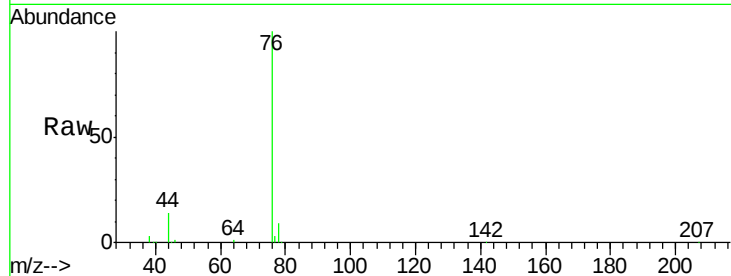
#17
Carbon Disulfide
Concen: 19.741 ug/l
RT: 4.01 min Scan# 696
Delta R.T. 0.00 min
Lab File: VN061633.D
Acq: 3 Jun 2020 13:06

Instrument :
MSVOA_N
ClientSampleId :
VN0603MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.8	11.6

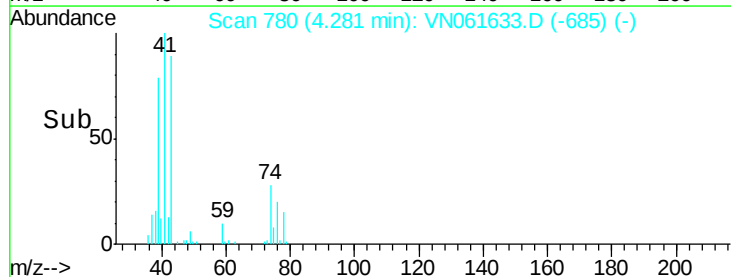
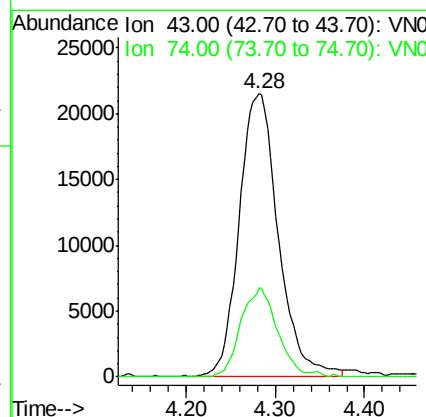
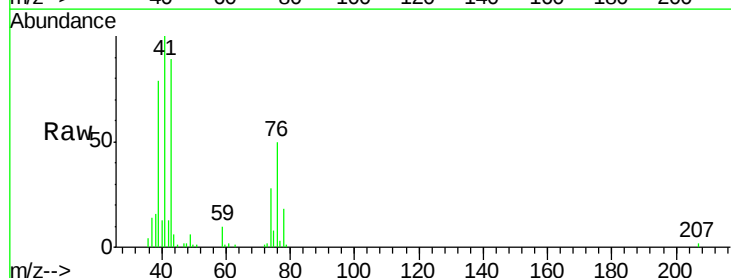
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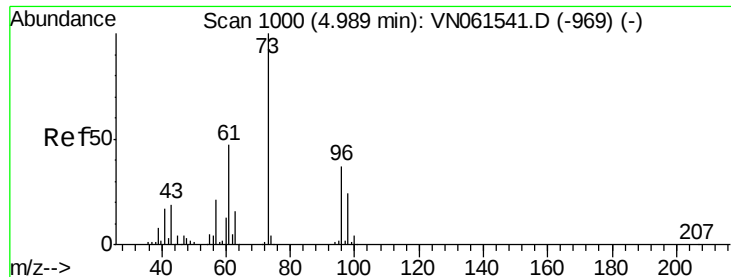
MMDadoda
6/4/2020 3:08:14 PM



#18
Methyl Acetate
Concen: 19.189 ug/l
RT: 4.28 min Scan# 780
Delta R.T. 0.01 min
Lab File: VN061633.D
Acq: 3 Jun 2020 13:06

Tgt Ion	Ratio	Lower	Upper
43	100		
74	29.1	23.2	34.8





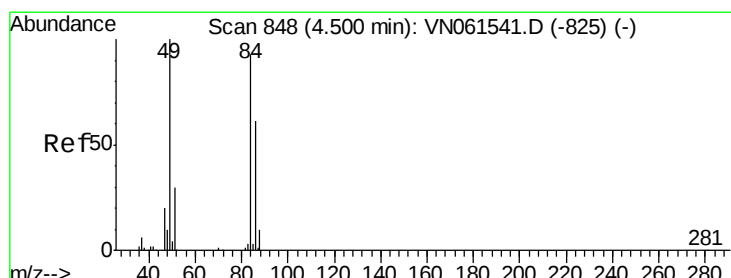
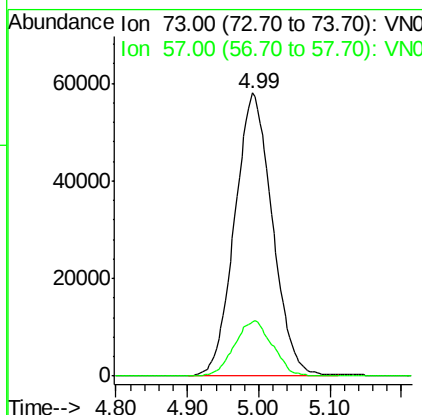
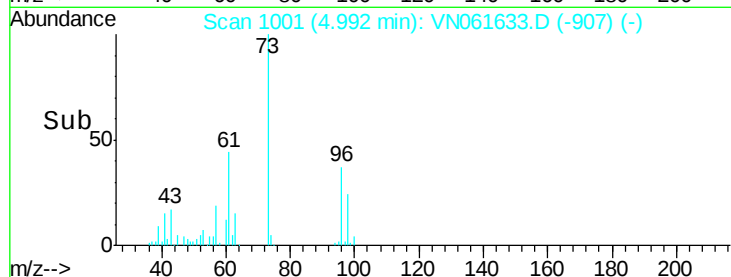
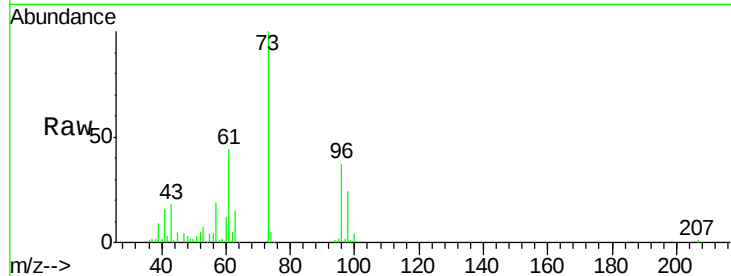
#19
Methvl tert-butvl Ether
Concen: 19.298 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. 0.00 min
Lab File: VN061633.D
Acq: 3 Jun 2020 13:06

Instrument :
MSVOA_N
ClientSampleId :
VN0603MBSD01

Tot Ion: 73 Resp: 213044
Ion Ratio Lower Upper
73 100
57 19.3 16.4 24.6

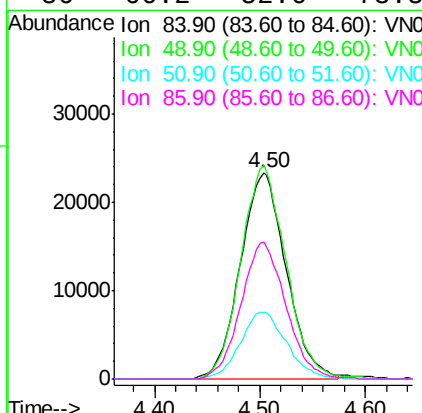
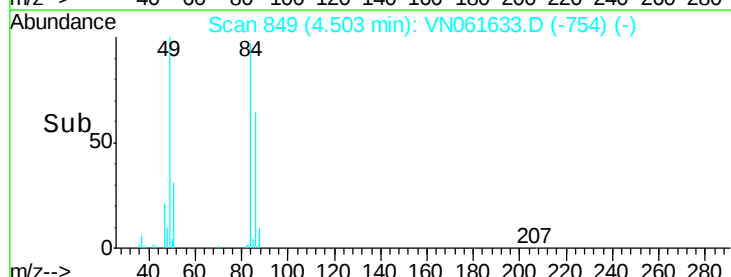
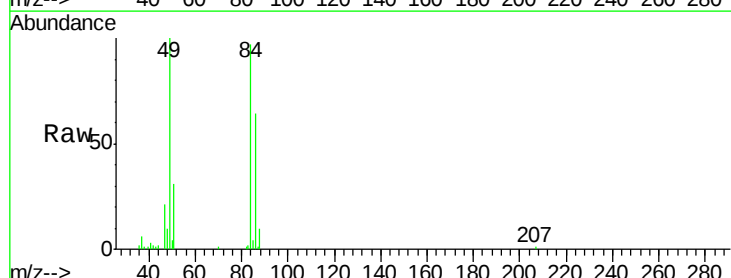
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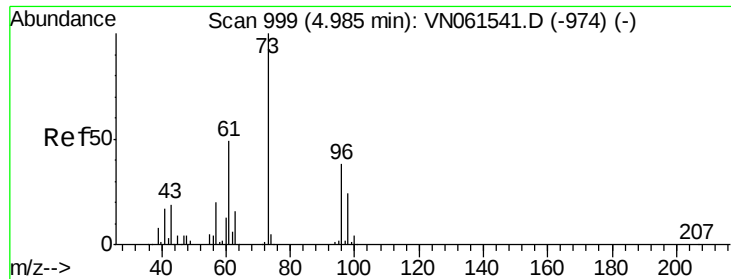
MMDadoda
6/4/2020 3:08:14 PM



#20
Methylene Chloride
Concen: 19.505 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN061633.D
Acq: 3 Jun 2020 13:06

Tgt Ion: 84 Resp: 70600
Ion Ratio Lower Upper
84 100
49 103.3 85.8 128.8
51 32.5 26.2 39.2
86 66.2 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 19.172 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN061633.D

Acq: 3 Jun 2020 13:06

Instrument :

MSVOA_N

ClientSampled :

VN0603MBS01

Tot Ion: 96 Resp: 70033

Ion Ratio Lower Upper

96 100

61 120.4 101.4 152.0

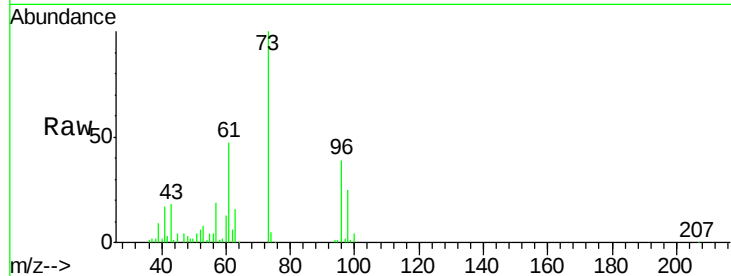
98 64.1 50.6 76.0

Manual Integrations

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MMDadoda

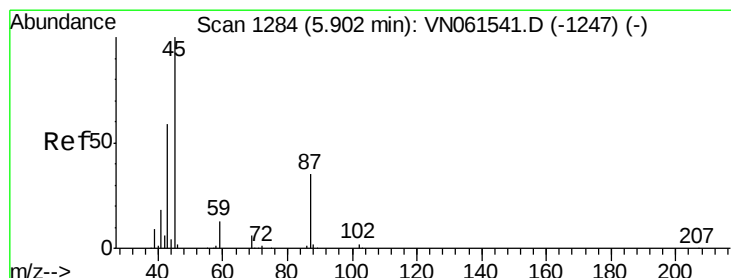
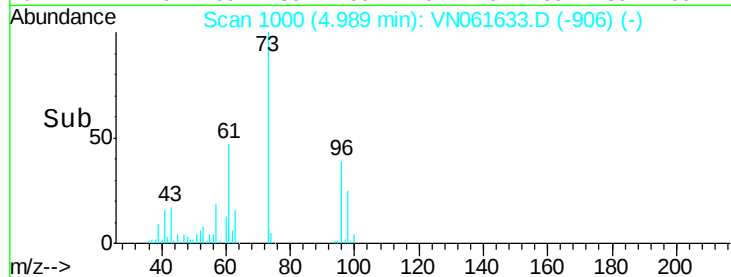
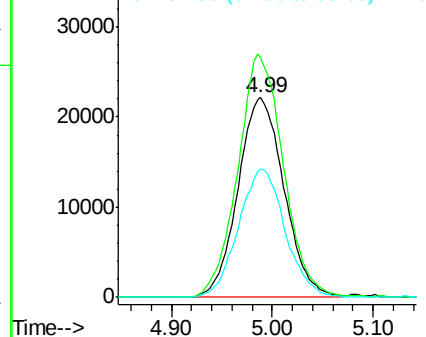
6/4/2020 3:08:14 PM



Abundance Ion 95.90 (95.60 to 96.60): VN061541.D (-974) (-)

Ion 60.90 (60.60 to 61.60): VN061541.D (-974) (-)

Ion 97.90 (97.60 to 98.60): VN061541.D (-974) (-)



#22

Diisopropyl ether

Concen: 19.238 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN061633.D

Acq: 3 Jun 2020 13:06

Tgt Ion: 45 Resp: 179555

Ion Ratio Lower Upper

45 100

43 66.4 47.9 71.9

87 35.5 28.4 42.6

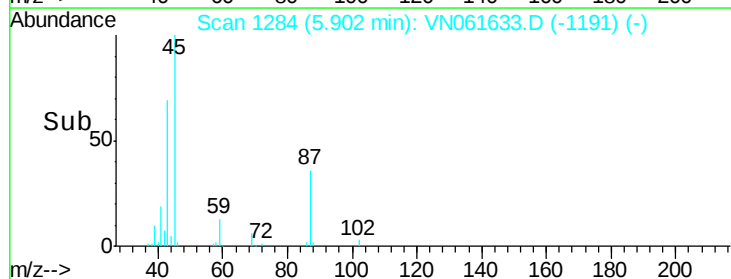
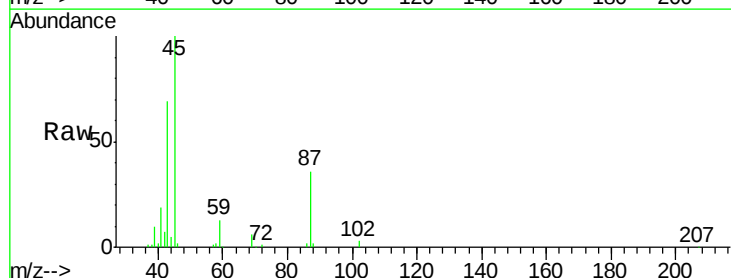
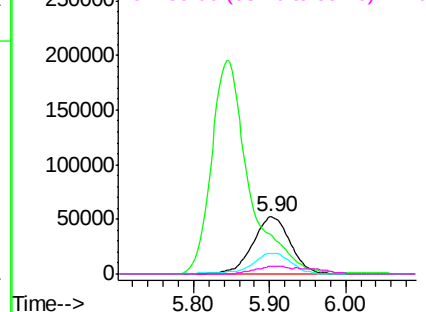
59 12.9 10.5 15.7

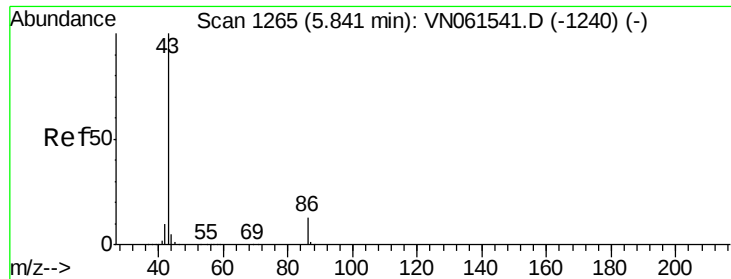
Abundance Ion 45.00 (44.70 to 45.70): VN061541.D (-1247) (-)

Ion 43.00 (42.70 to 43.70): VN061541.D (-1247) (-)

Ion 87.00 (86.70 to 87.70): VN061541.D (-1247) (-)

Ion 59.00 (58.70 to 59.70): VN061541.D (-1247) (-)





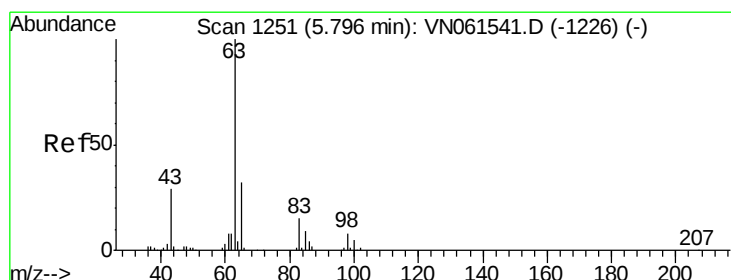
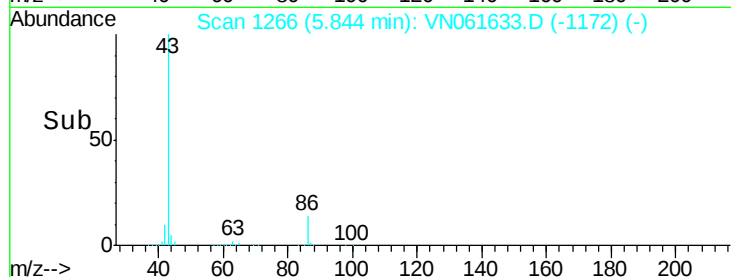
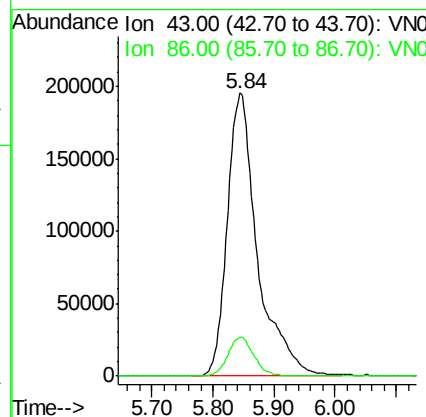
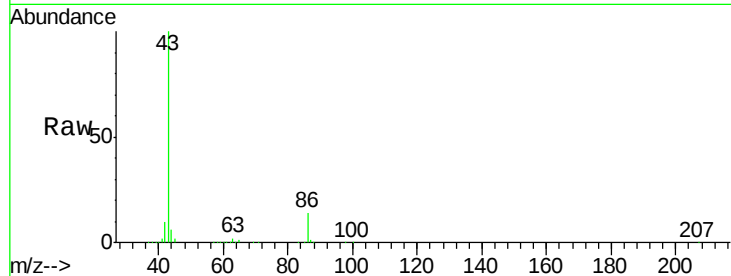
#23
 Vinyl Acetate
 Concen: 90.496 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VN061633.D
 Acq: 3 Jun 2020 13:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0603MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
86	13.7	10.6	16.0

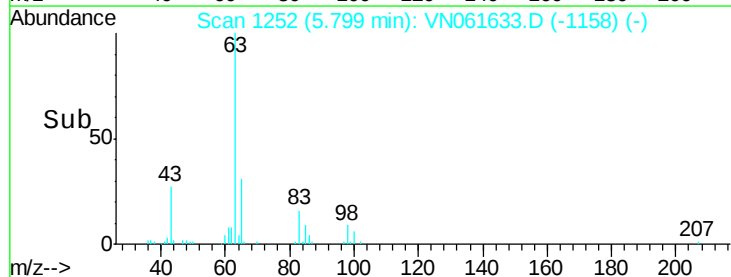
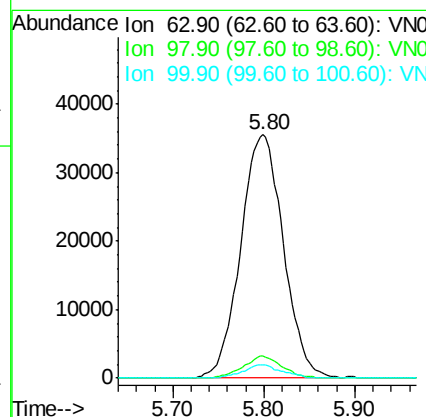
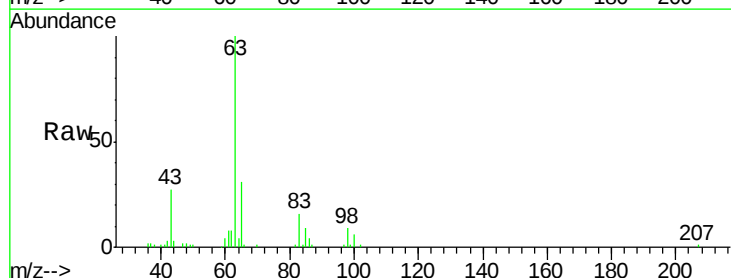
Manual Integrations
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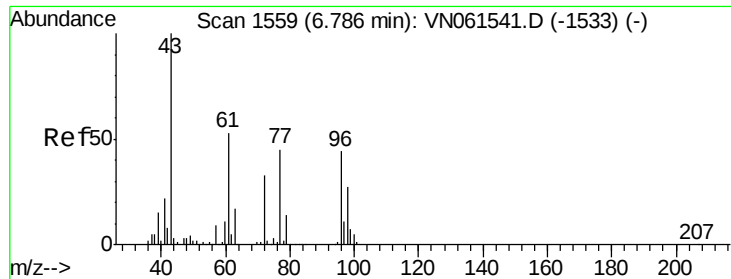
MMDadoda
 6/4/2020 3:08:14 PM



#24
 1,1-Dichloroethane
 Concen: 19.547 ug/l
 RT: 5.80 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VN061633.D
 Acq: 3 Jun 2020 13:06

Tgt Ion	Ratio	Lower	Upper
63	100		
98	8.9	3.8	11.4
100	5.6	2.5	7.6





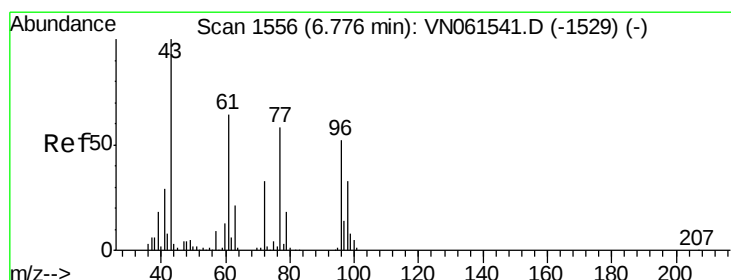
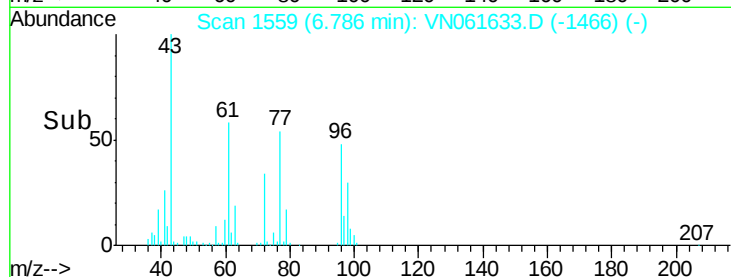
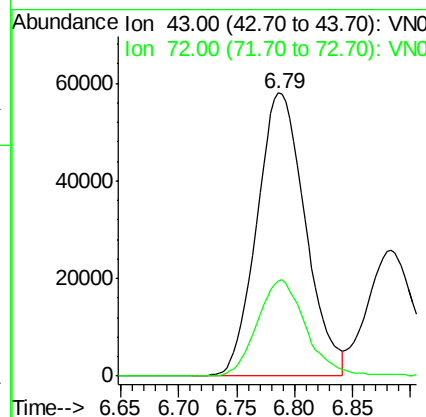
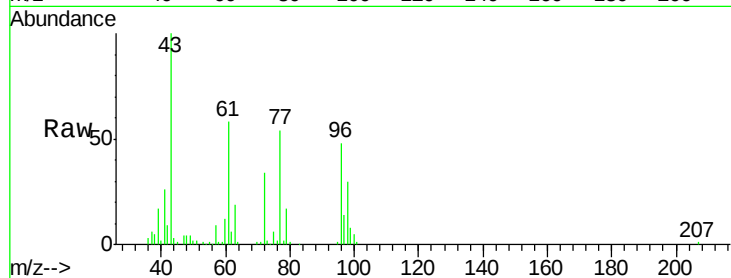
#25
2-Butanone
Concen: 94.316 ug/l
RT: 6.79 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VN061633.D
Acq: 3 Jun 2020 13:06

Instrument :
MSVOA_N
ClientSampleId :
VN0603MBS01

Tot Ion: 43 Resp: 168819
Ion Ratio Lower Upper
43 100
72 33.5 26.0 39.0

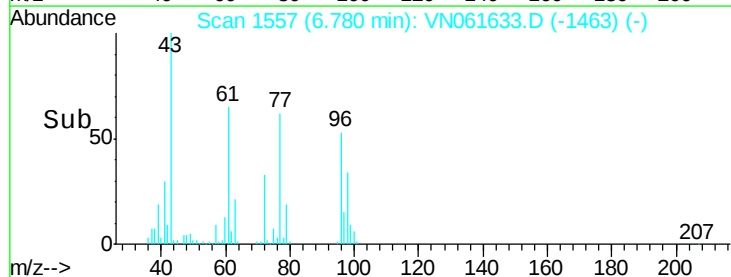
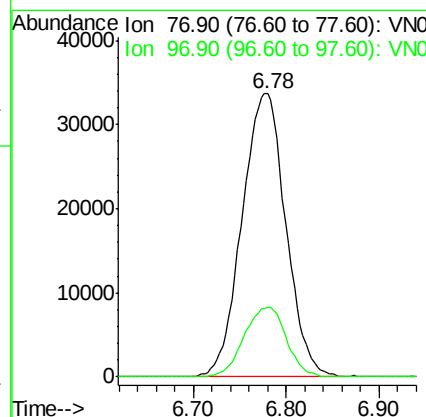
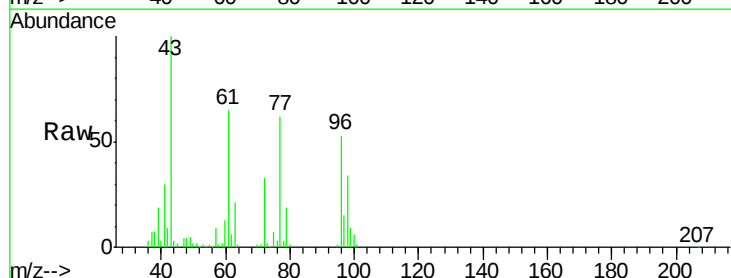
Manual Integrations
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6/4/2020 3:08:14 PM



#26
2,2-Dichloropropane
Concen: 20.324 ug/l
RT: 6.78 min Scan# 1557
Delta R.T. 0.00 min
Lab File: VN061633.D
Acq: 3 Jun 2020 13:06

Tgt Ion: 77 Resp: 110093
Ion Ratio Lower Upper
77 100
97 23.7 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 20.432 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. 0.00 min

Lab File: VN061633.D

Acq: 3 Jun 2020 13:06

Instrument :

MSVOA_N

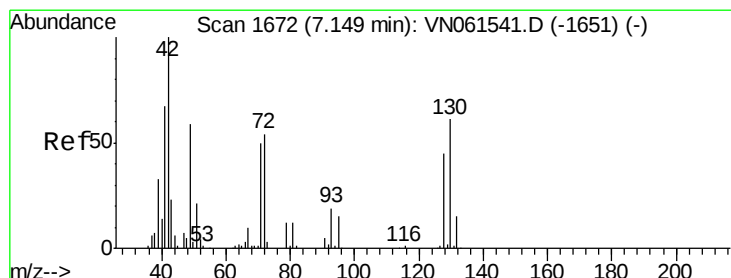
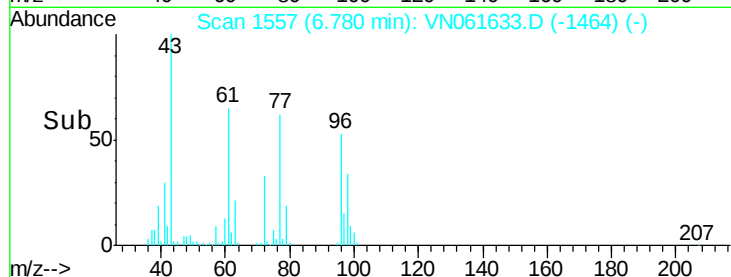
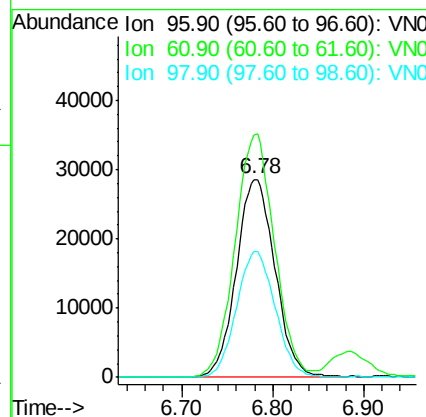
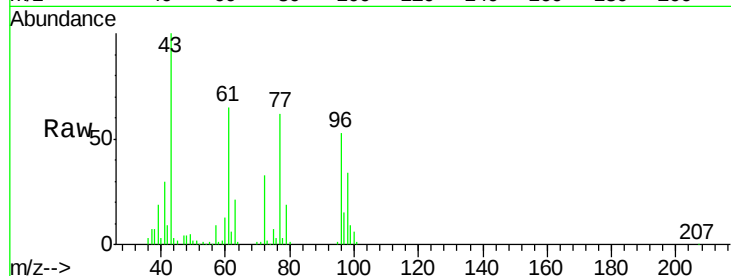
ClientSampleId :

VN0603MBSD01

Tot Ion:	96	Resp:	84515
Ion	Ratio	Lower	Upper
96	100		
61	125.0	0.0	252.2
98	63.3	0.0	129.2

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#28

Bromochloromethane

Concen: 20.191 ug/l

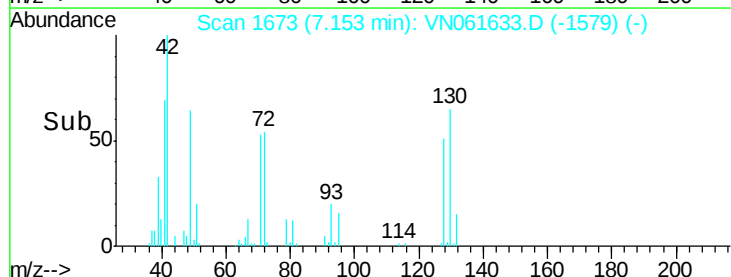
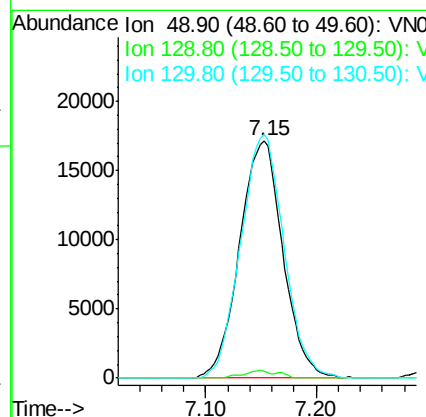
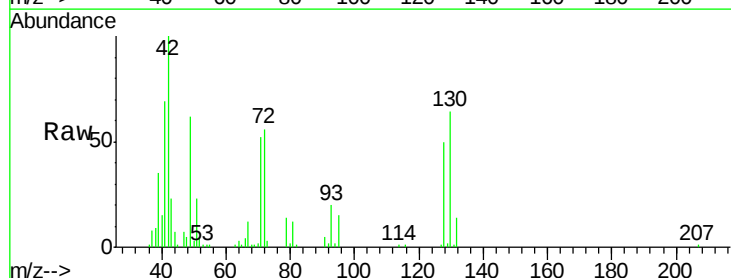
RT: 7.15 min Scan# 1673

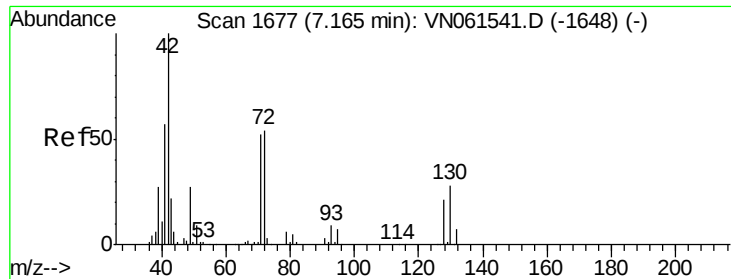
Delta R.T. 0.00 min

Lab File: VN061633.D

Acq: 3 Jun 2020 13:06

Tgt Ion:	49	Resp:	46709
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.8
130	102.7	78.8	118.2





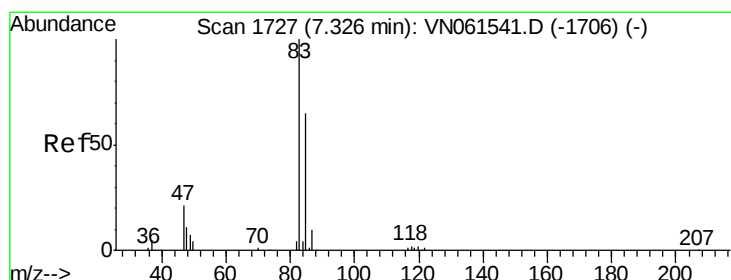
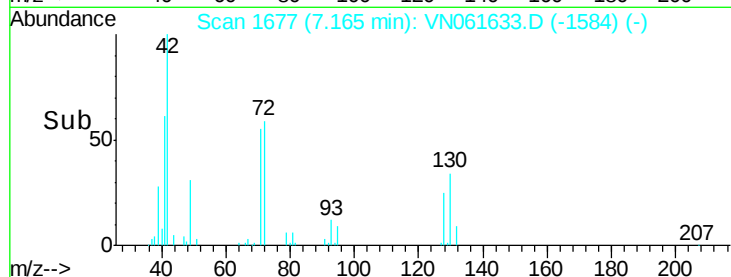
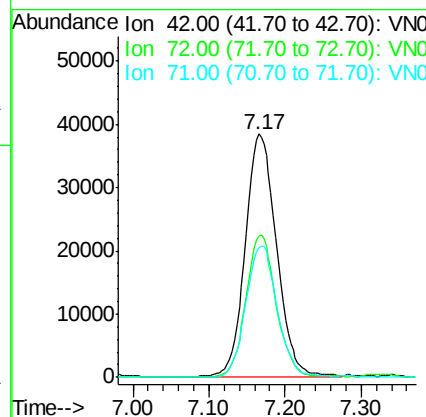
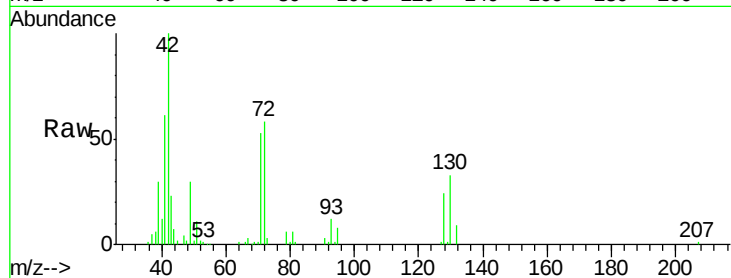
#29
Tetrahydrofuran
Concen: 93.892 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. 0.00 min
Lab File: VN061633.D
Acq: 3 Jun 2020 13:06

Instrument :
MSVOA_N
ClientSampleId :
VN0603MBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	56.2	43.6	65.4
71	54.0	41.2	61.8

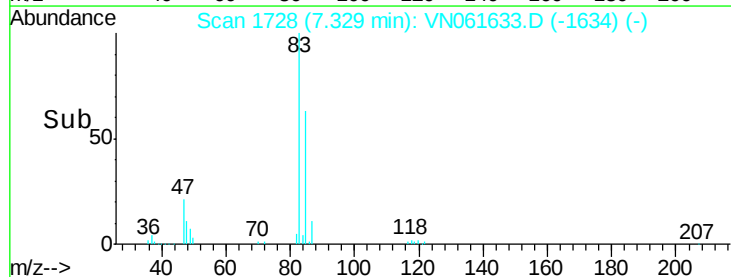
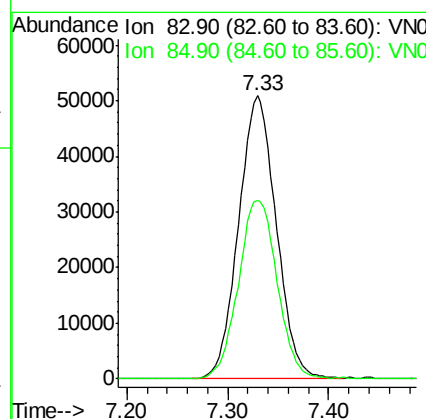
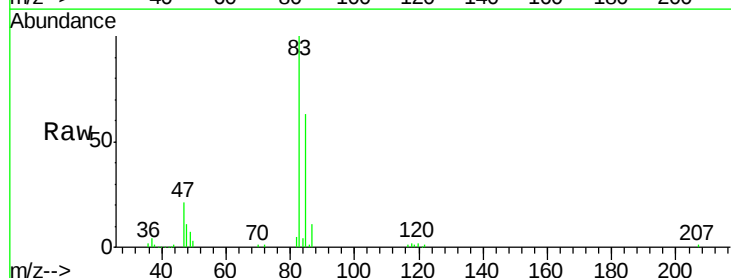
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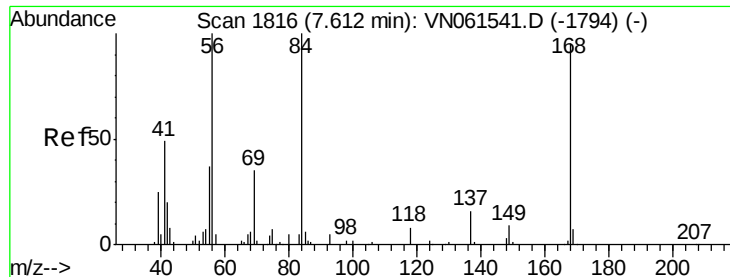
MMDadoda
6/4/2020 3:08:14 PM



#30
Chloroform
Concen: 20.104 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. 0.00 min
Lab File: VN061633.D
Acq: 3 Jun 2020 13:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.2	51.7	77.5





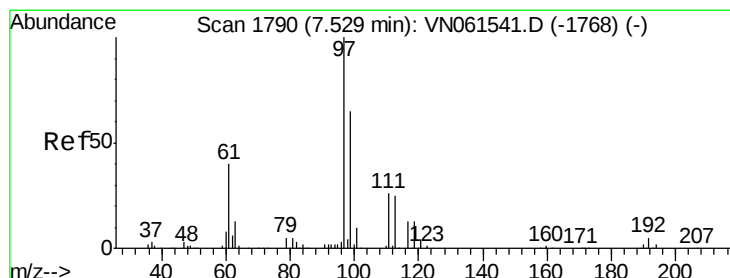
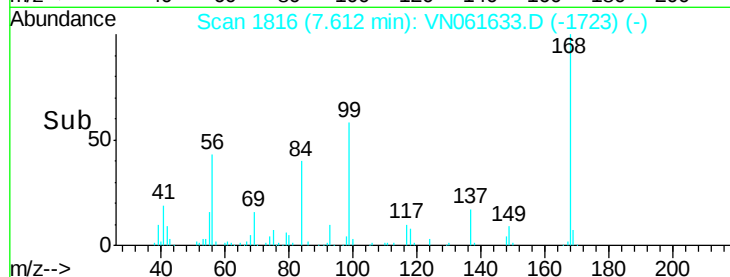
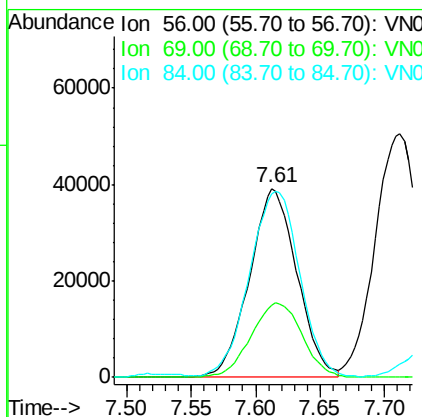
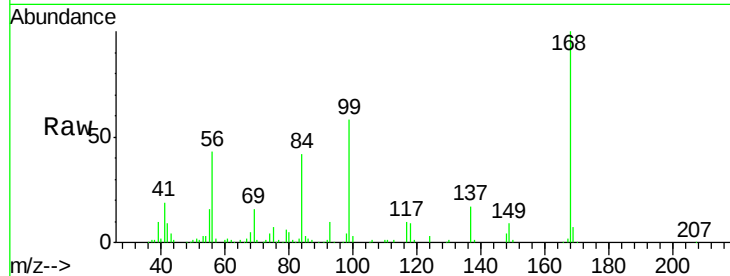
#31
Cyclohexane
Concen: 18.890 ug/l
RT: 7.61 min Scan# 1816
Delta R.T. 0.00 min
Lab File: VN061633.D
Acq: 3 Jun 2020 13:06

Instrument :
MSVOA_N
ClientSampleId :
VN0603MBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.0	27.8	41.8
84	96.1	79.9	119.9

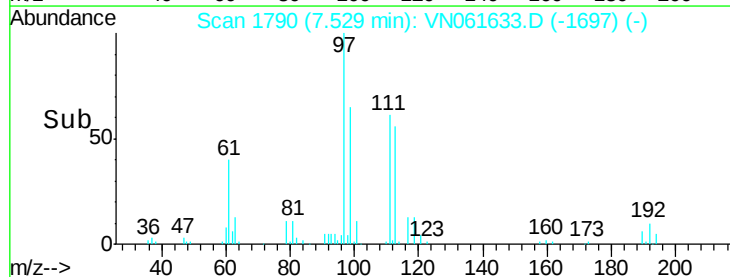
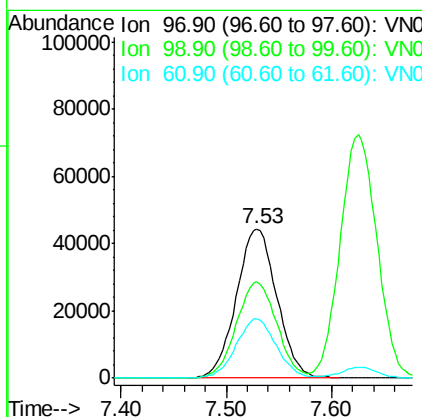
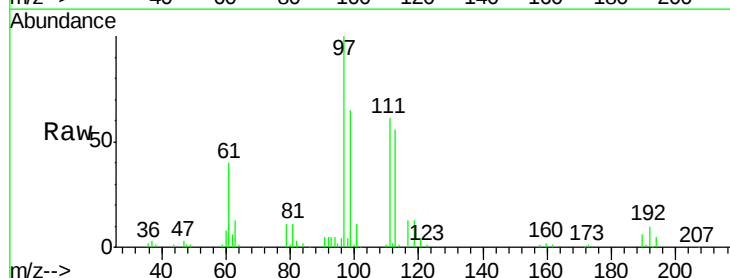
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#32
1,1,1-Trichloroethane
Concen: 19.854 ug/l
RT: 7.53 min Scan# 1790
Delta R.T. 0.00 min
Lab File: VN061633.D
Acq: 3 Jun 2020 13:06

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.4	77.0
61	39.4	31.4	47.0





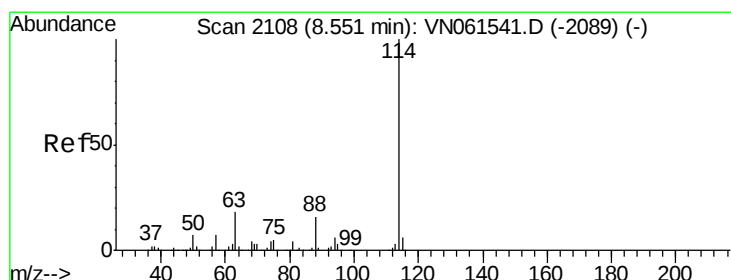
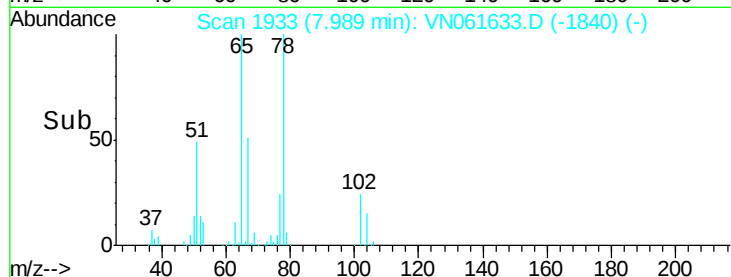
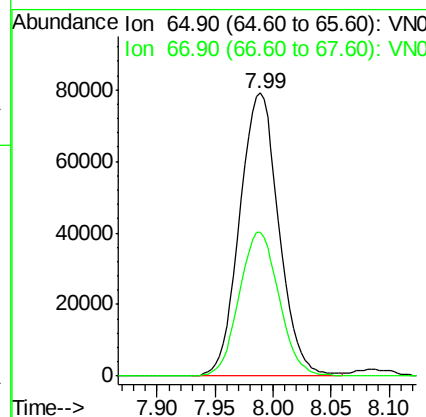
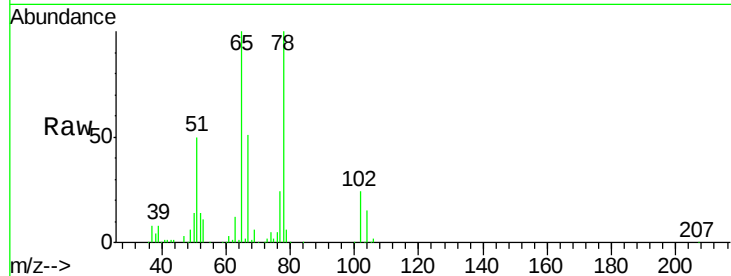
#33
 1,2-Dichloroethane-d4
 Concen: 49.369 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN061633.D
 Acq: 3 Jun 2020 13:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0603MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.6	0.0	104.8	

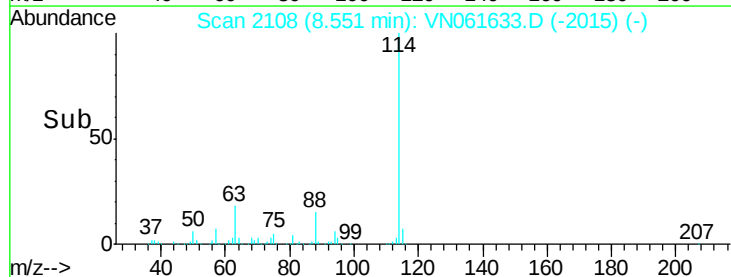
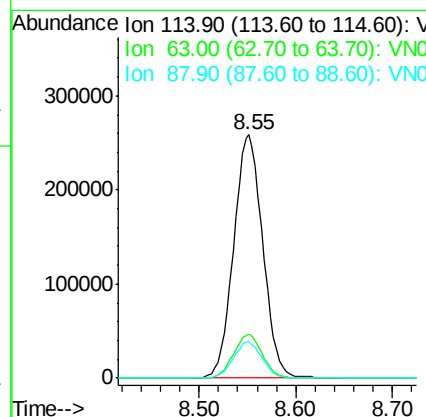
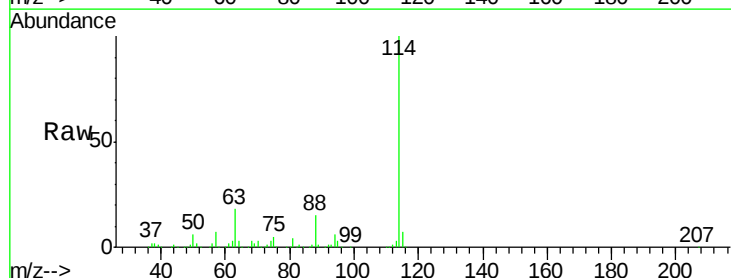
Manual Integrations
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN061633.D
 Acq: 3 Jun 2020 13:06

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.2	0.0	35.8	
88	14.8	0.0	31.0	





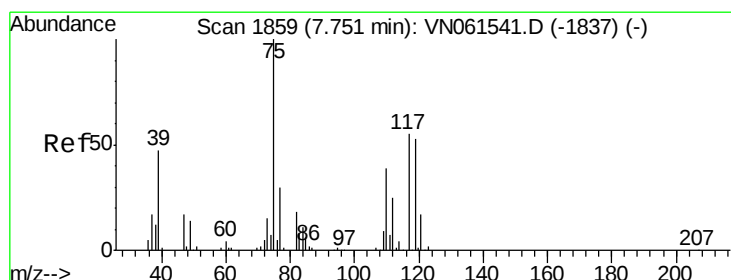
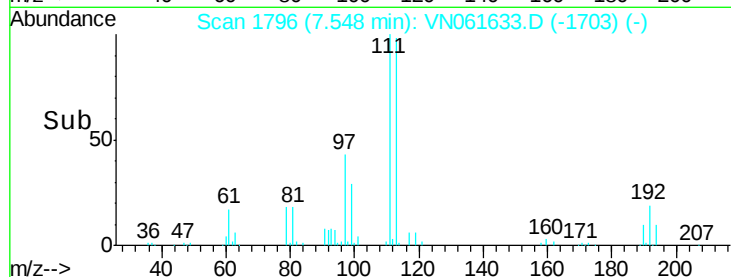
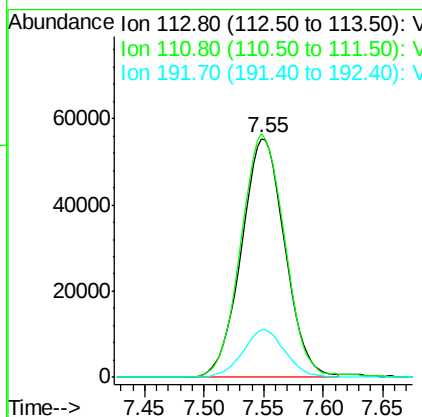
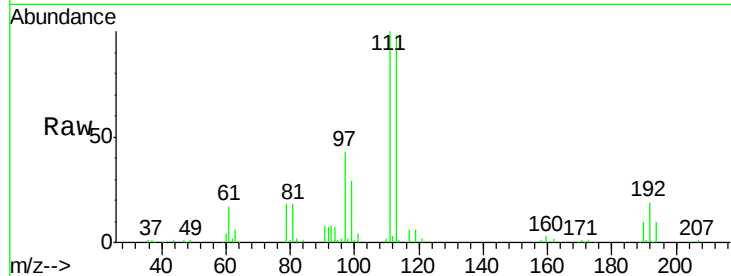
#35
 Dibromofluoromethane
 Concen: 51.118 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN061633.D
 Acq: 3 Jun 2020 13:06

Instrument :
 MSVOA_N
 ClientSampled :
 VN0603MBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.4	83.4	125.0	
192	19.4	15.4	23.2	

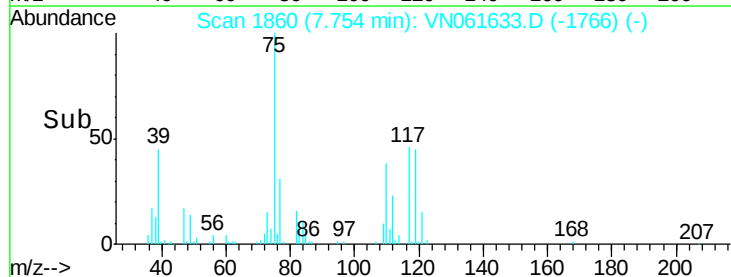
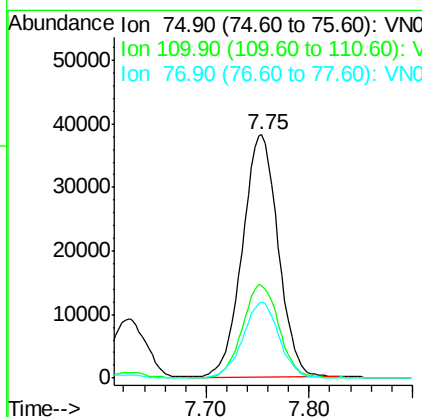
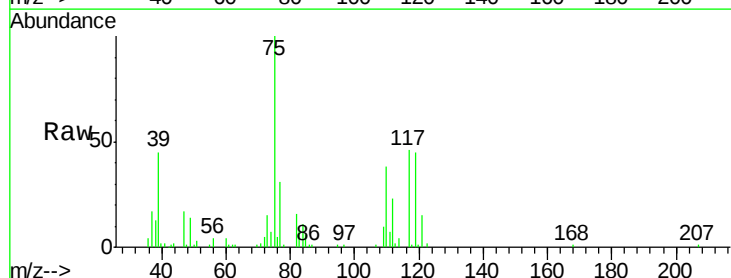
Manual Integrations
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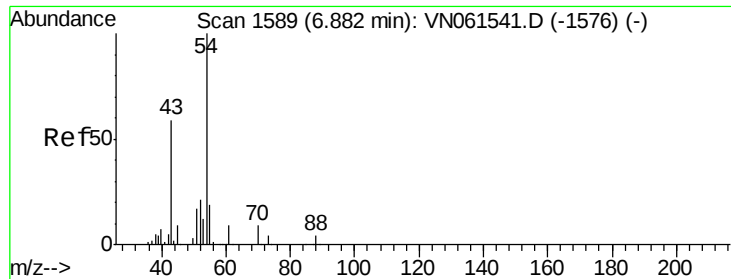
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#36
 1,1-Dichloropropene
 Concen: 19.269 ug/l
 RT: 7.75 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VN061633.D
 Acq: 3 Jun 2020 13:06

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	39.2	19.5	58.5	
77	31.6	24.7	37.1	





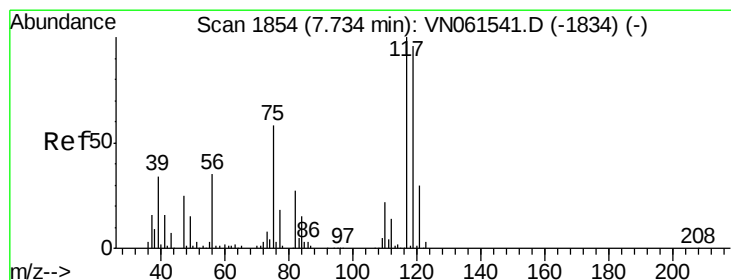
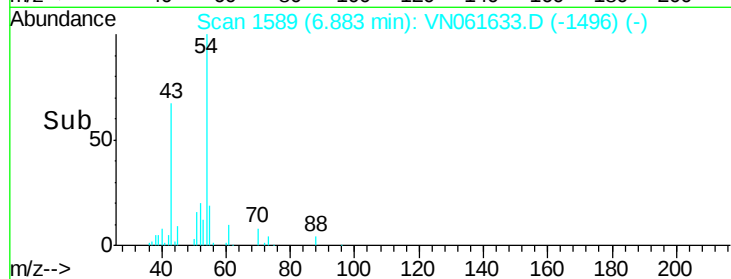
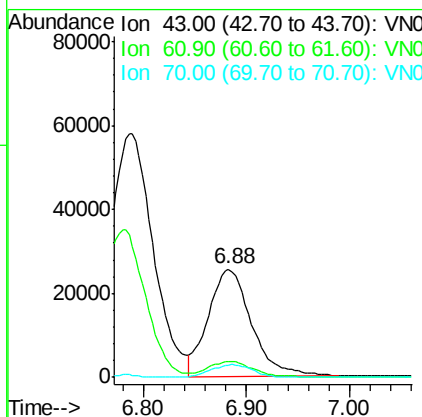
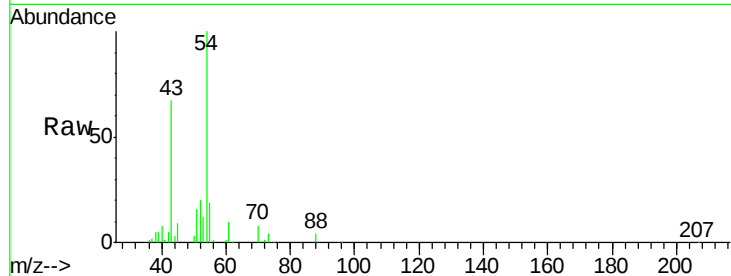
#37
Ethyl Acetate
Concen: 19.177 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. 0.00 min
Lab File: VN061633.D
Acq: 3 Jun 2020 13:06

Instrument :
MSVOA_N
ClientSampleId :
VN0603MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.5	12.2	18.4
70	11.5	9.4	14.2

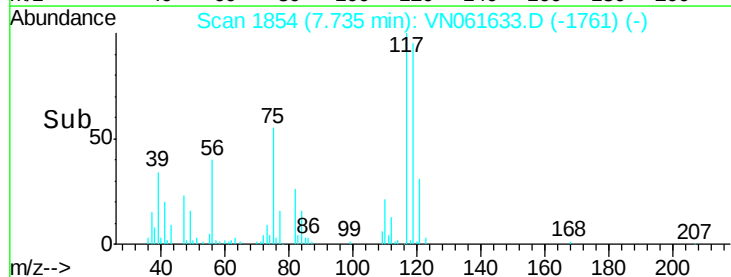
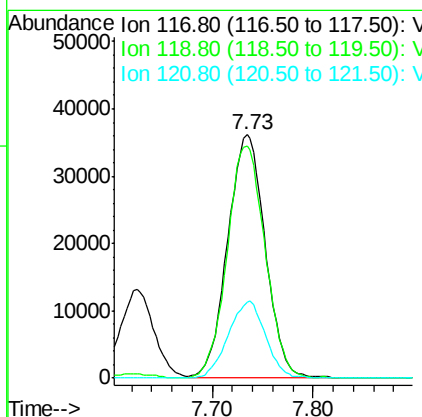
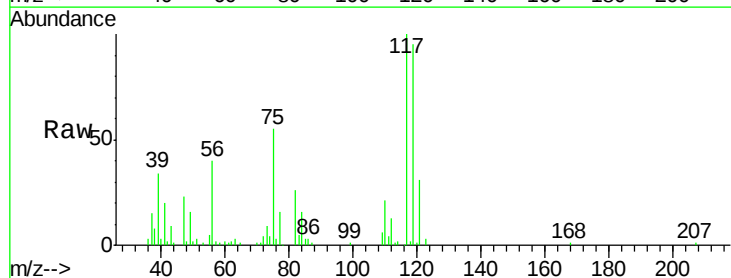
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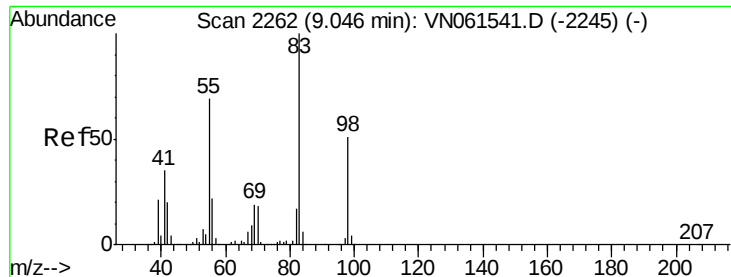
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#38
Carbon Tetrachloride
Concen: 20.329 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VN061633.D
Acq: 3 Jun 2020 13:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.5	76.5	114.7
121	31.1	24.1	36.1





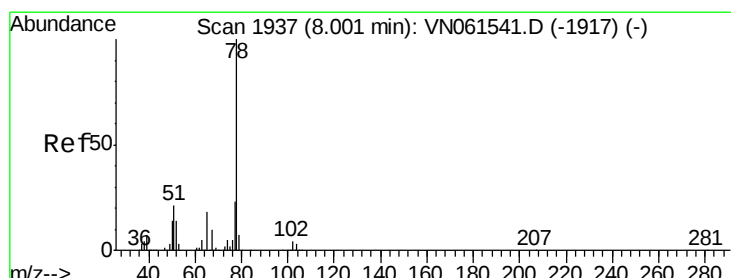
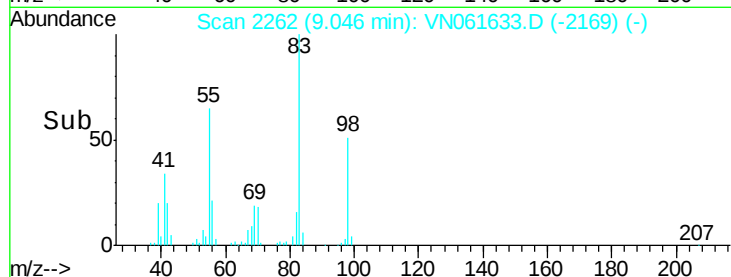
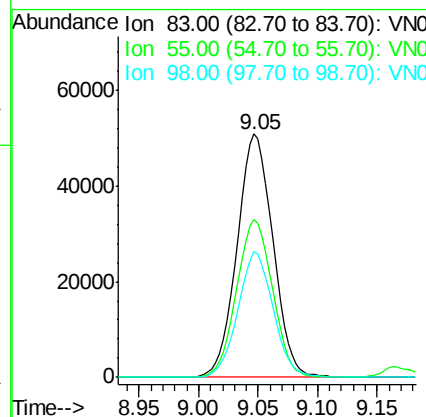
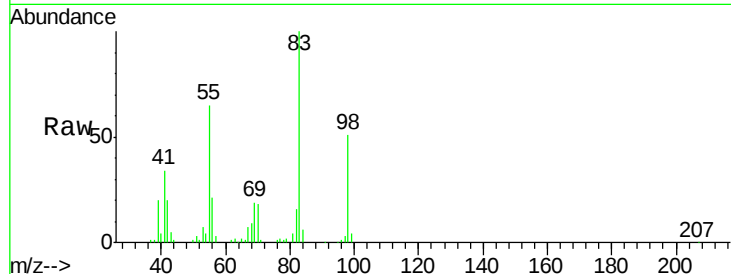
#39
Methvlcvclohexane
Concen: 18.063 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN061633.D
Acq: 3 Jun 2020 13:06

Instrument :
MSVOA_N
ClientSampleId :
VN0603MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	64.7	54.9	82.3
98	51.5	41.0	61.4

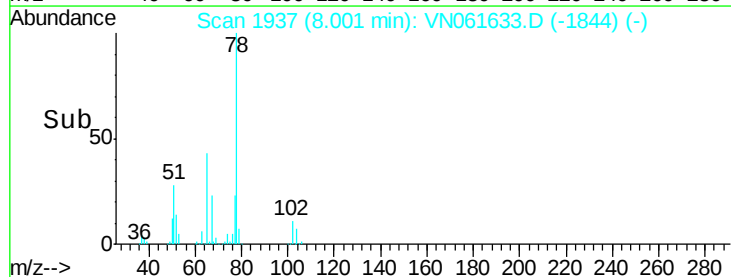
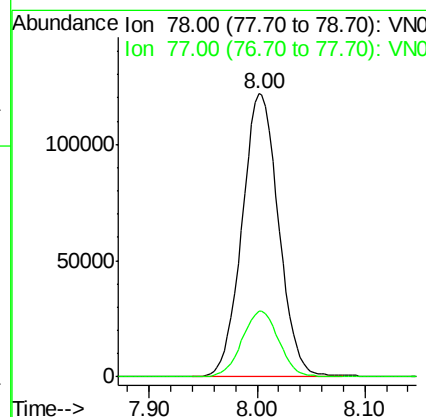
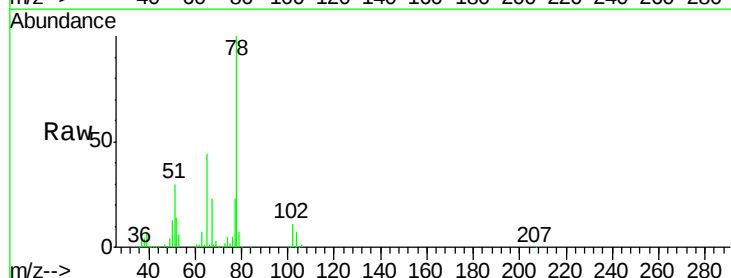
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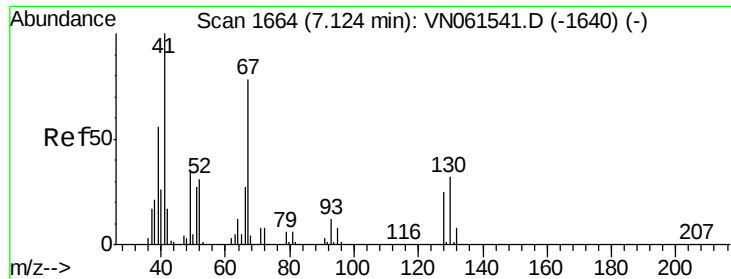
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#40
Benzene
Concen: 19.454 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN061633.D
Acq: 3 Jun 2020 13:06

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.6	28.0





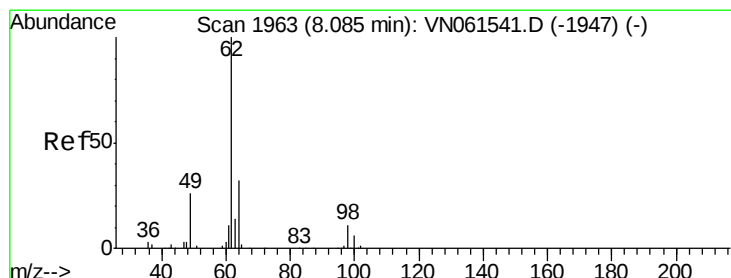
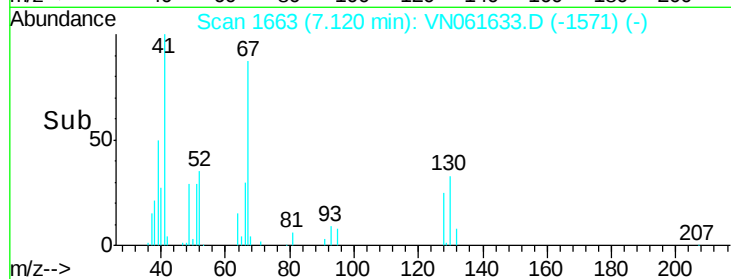
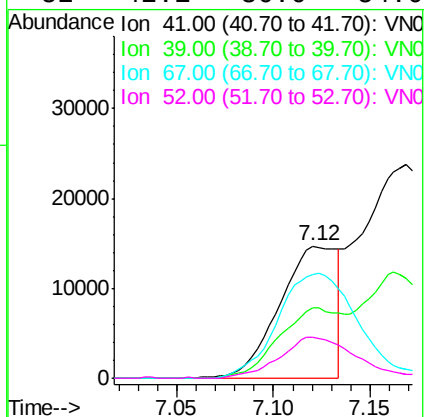
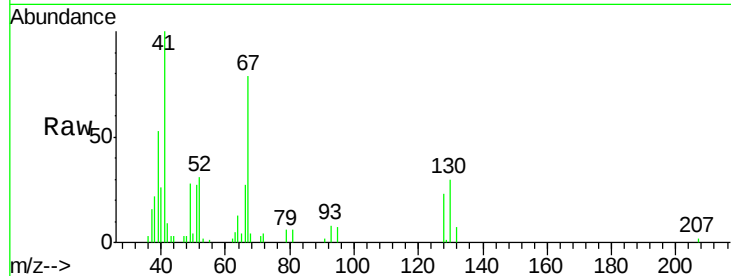
#41
Methacrylonitrile
Concen: 17.244 ug/l
RT: 7.12 min Scan# 1663
Delta R.T. -0.00 min
Lab File: VN061633.D
Acq: 3 Jun 2020 13:06

Instrument :
MSVOA_N
ClientSampled :
VN0603MBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	57.8	53.8	80.6
67	112.4	91.1	136.7
52	42.1	36.0	54.0

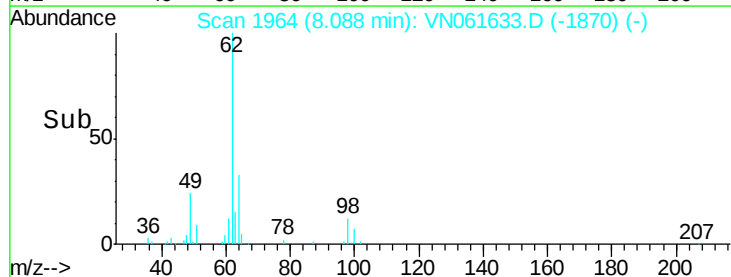
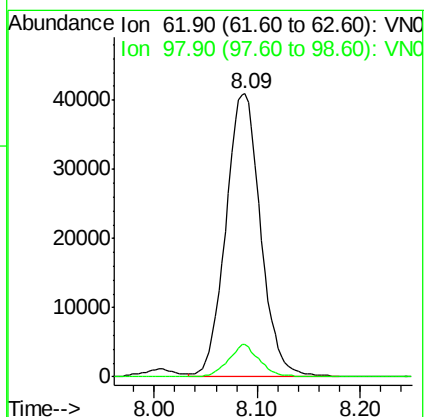
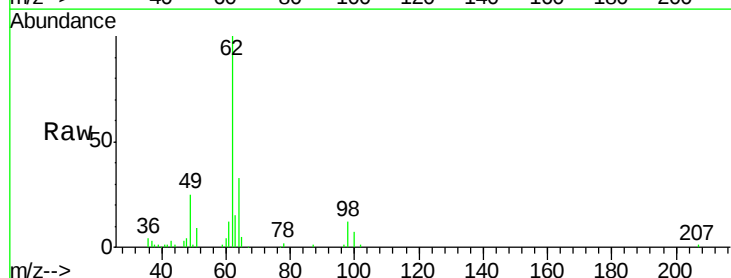
Manual Integrations
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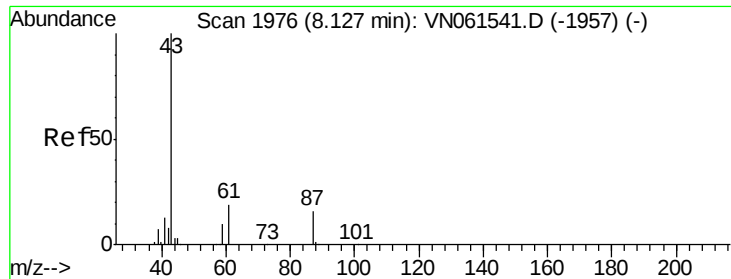
MMDadoda
6/4/2020 3:08:14 PM



#42
1,2-Dichloroethane
Concen: 19.524 ug/l
RT: 8.09 min Scan# 1964
Delta R.T. 0.00 min
Lab File: VN061633.D
Acq: 3 Jun 2020 13:06

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	21.4





#43

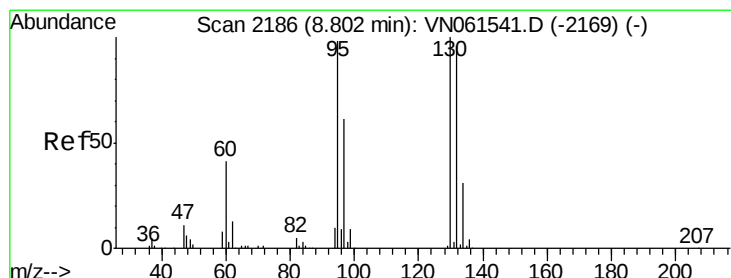
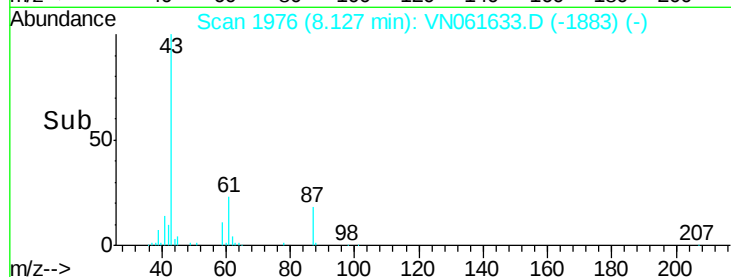
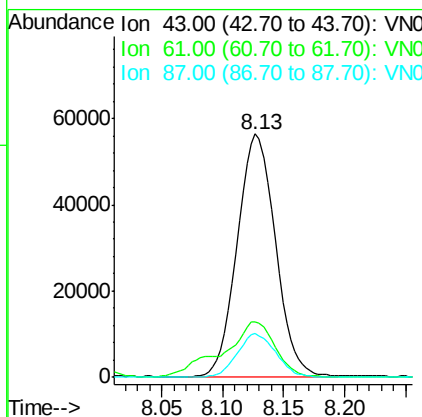
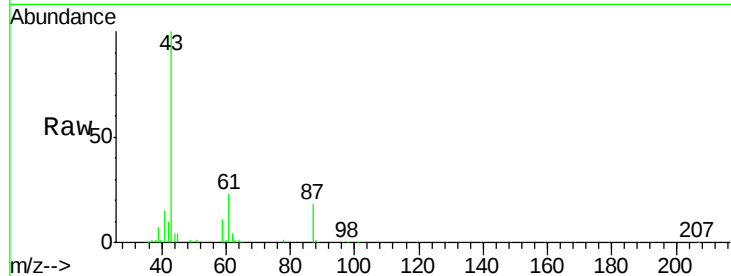
Isopropyl Acetate
 Concen: 17.776 ug/l
 RT: 8.13 min Scan# 1976
 Delta R.T. 0.00 min
 Lab File: VN061633.D
 Acq: 3 Jun 2020 13:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0603MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.1	23.6	35.4
87	17.9	13.0	19.6

Manual Integrations
 APPROVED

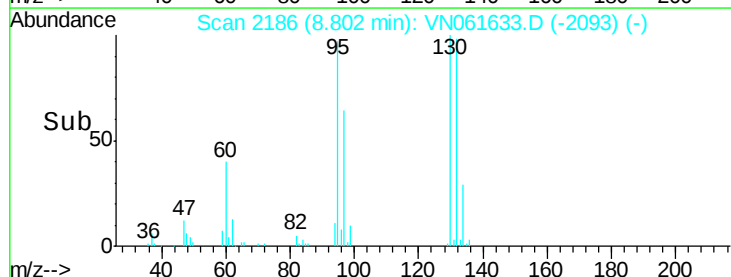
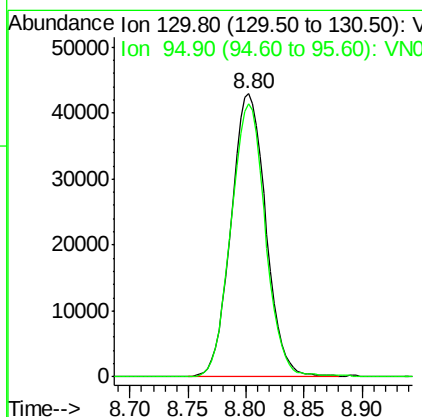
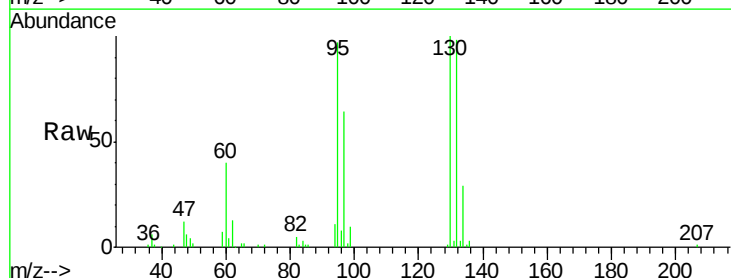
MMDadoda
 6/4/2020 3:08:14 PM



#44

Trichloroethene
 Concen: 19.653 ug/l
 RT: 8.80 min Scan# 2186
 Delta R.T. 0.00 min
 Lab File: VN061633.D
 Acq: 3 Jun 2020 13:06

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.6	0.0	196.6





#45

1,2-Dichloropropane

Concen: 19.503 ug/l

RT: 9.09 min Scan# 2274

Delta R.T. 0.00 min

Lab File: VN061633.D

Acq: 3 Jun 2020 13:06

Instrument :

MSVOA_N

ClientSampled :

VN0603MBSD01

Tot Ion: 63 Resp: 68283

Ion Ratio Lower Upper

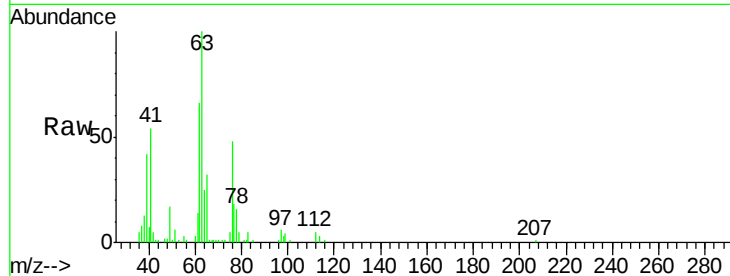
63 100

65 32.3 24.7 37.1

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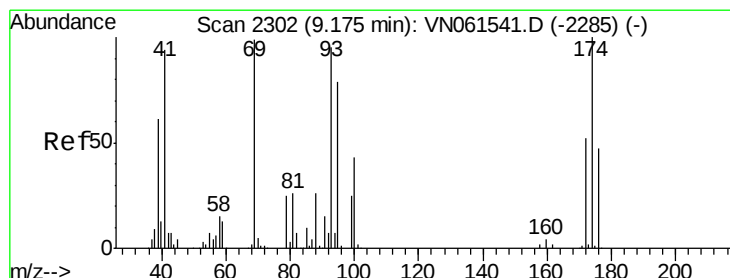
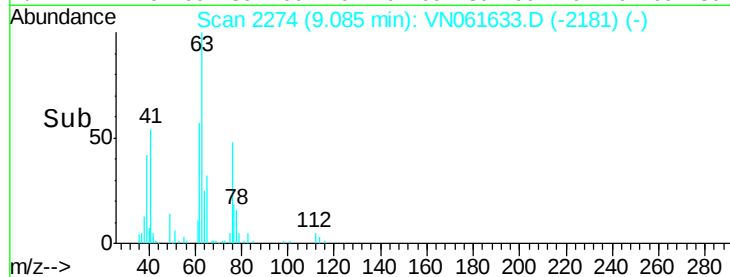
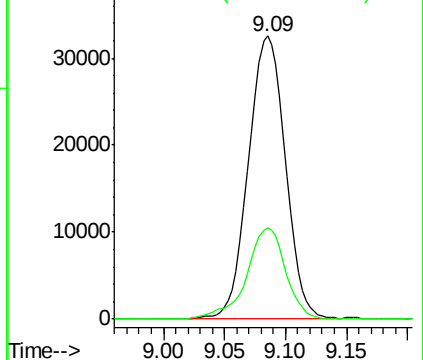
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 19.388 ug/l

RT: 9.18 min Scan# 2302

Delta R.T. 0.00 min

Lab File: VN061633.D

Acq: 3 Jun 2020 13:06

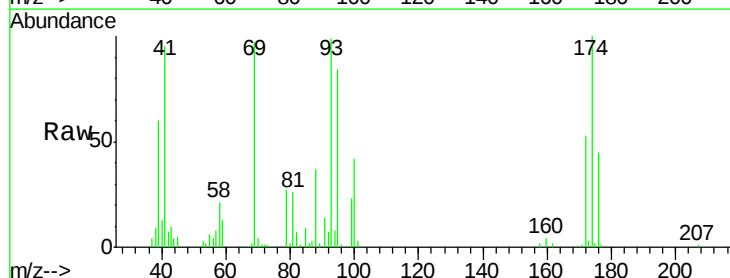
Tgt Ion: 93 Resp: 52062

Ion Ratio Lower Upper

93 100

95 84.5 66.0 99.0

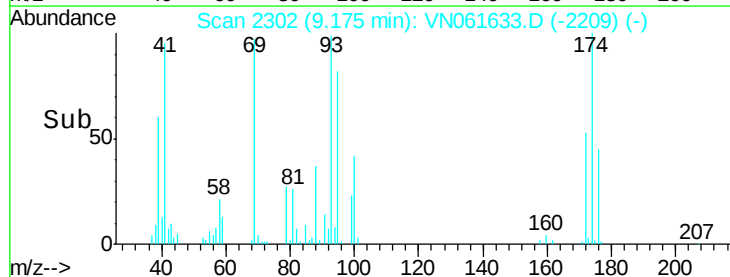
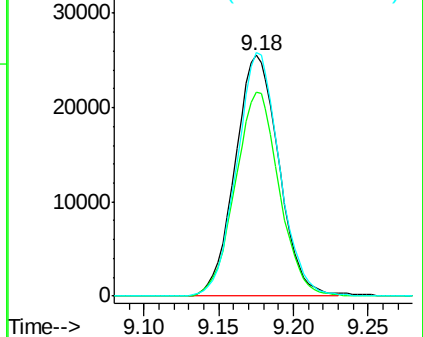
174 98.6 82.5 123.7

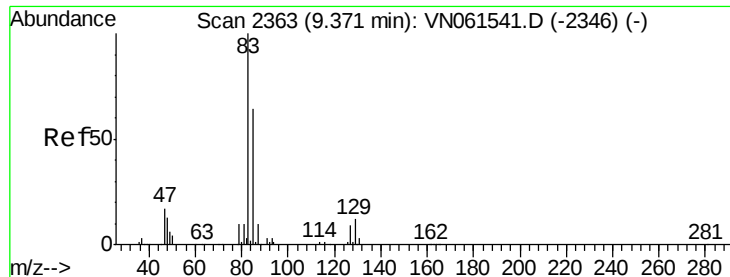


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.131 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. 0.00 min

Lab File: VN061633.D

Acq: 3 Jun 2020 13:06

Instrument :

MSVOA_N

ClientSampleId :

VN0603MBS01

Tot Ion: 83 Resp: 101780

Ion Ratio Lower Upper

83 100

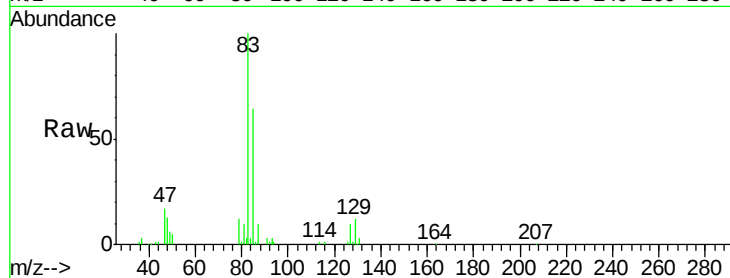
85 63.9 51.1 76.7

127 9.7 7.2 10.8

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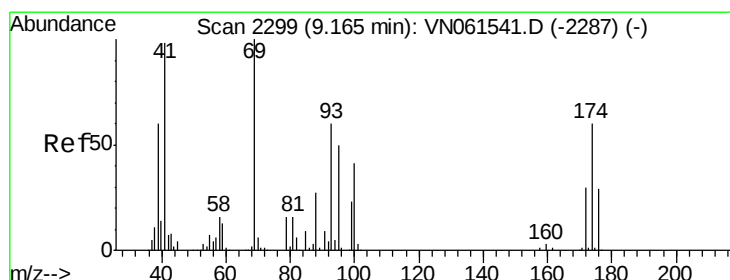
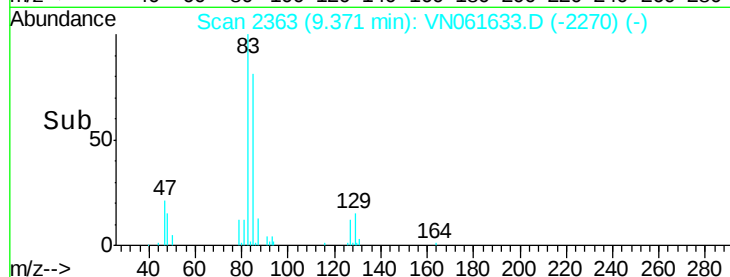
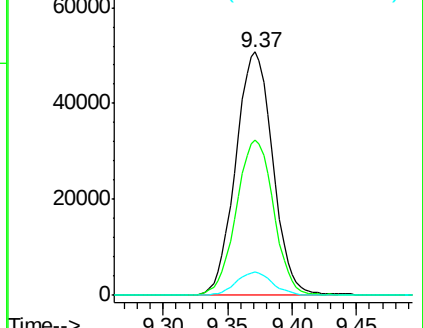
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Abundance Ion 82.90 (82.60 to 83.60): VN061633.D (-2270) (-)

Ion 84.90 (84.60 to 85.60): VN061633.D (-2270) (-)

Ion 126.80 (126.50 to 127.50): VN061633.D (-2270) (-)



#48

Methyl methacrylate

Concen: 17.252 ug/l

RT: 9.17 min Scan# 2300

Delta R.T. 0.00 min

Lab File: VN061633.D

Acq: 3 Jun 2020 13:06

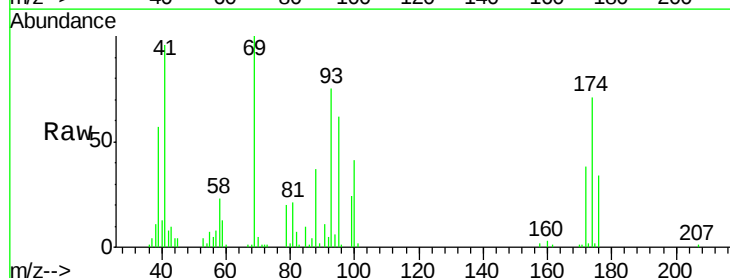
Tgt Ion: 41 Resp: 53750

Ion Ratio Lower Upper

41 100

69 108.4 83.9 125.9

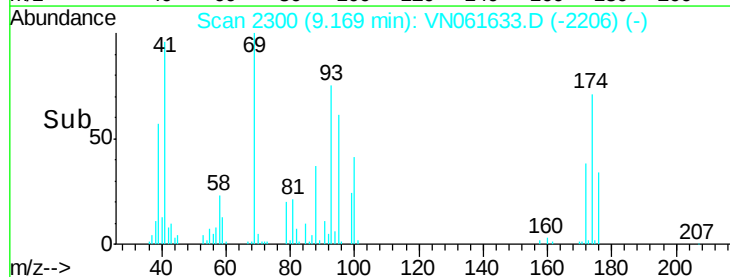
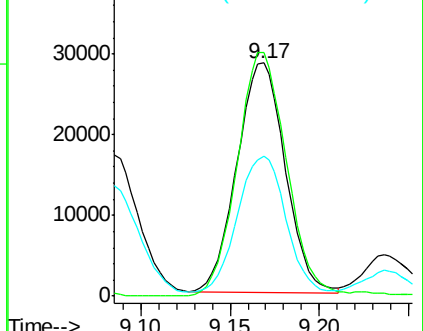
39 63.2 52.1 78.1



Abundance Ion 41.00 (40.70 to 41.70): VN061633.D (-2206) (-)

Ion 69.00 (68.70 to 69.70): VN061633.D (-2206) (-)

Ion 39.00 (38.70 to 39.70): VN061633.D (-2206) (-)





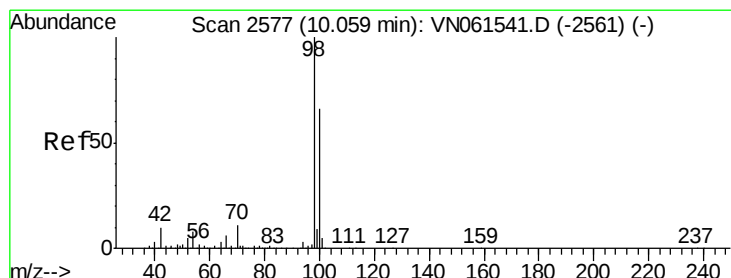
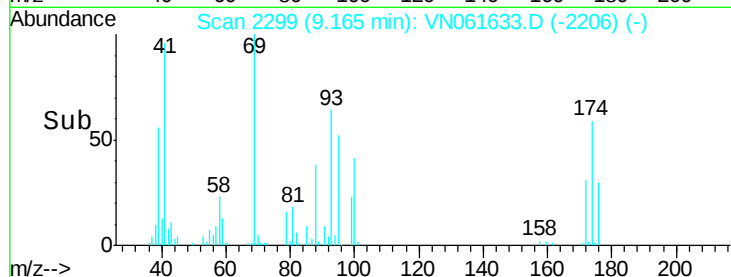
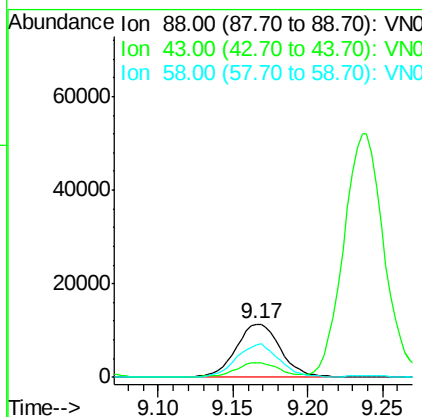
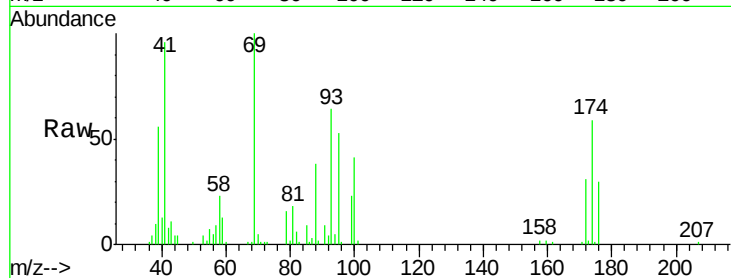
#49
1,4-Dioxane
Concen: 490.040 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. 0.00 min
Lab File: VN061633.D
Acq: 3 Jun 2020 13:06

Instrument :
MSVOA_N
ClientSampled :
VN0603MBS01

Tot Ion	88	Resp	23652
Ion	Ratio	Lower	Upper
88	100		
43	28.3	23.1	34.7
58	60.7	48.3	72.5

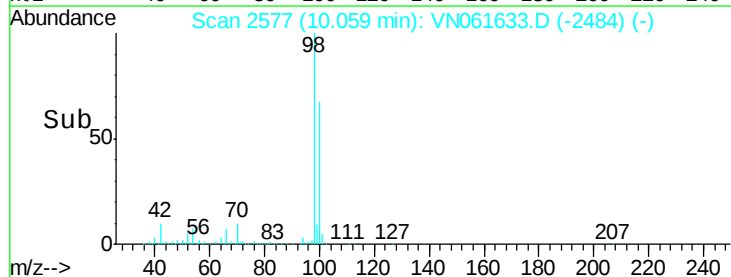
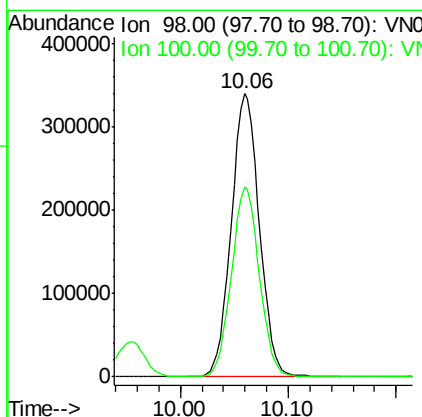
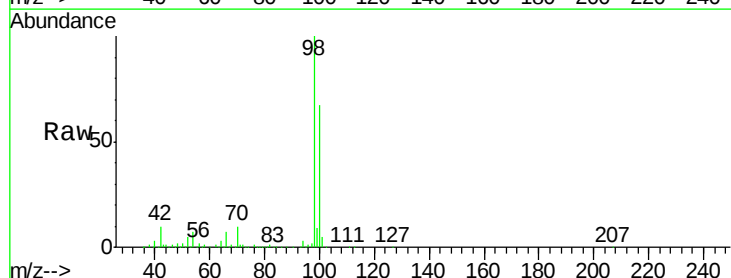
Manual Integrations
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#50
Toluene-d8
Concen: 48.654 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN061633.D
Acq: 3 Jun 2020 13:06

Tgt Ion	98	Resp	617423
Ion	Ratio	Lower	Upper
98	100		
100	66.6	52.8	79.2





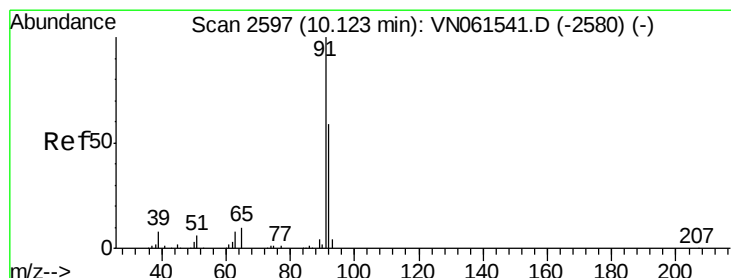
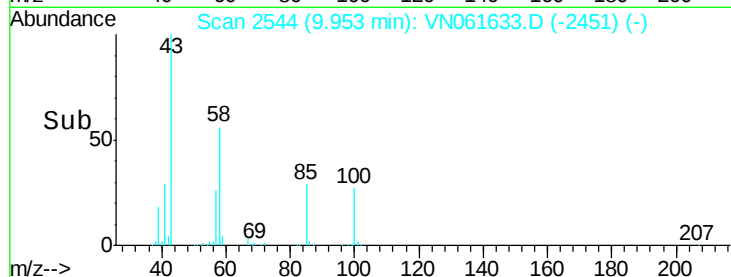
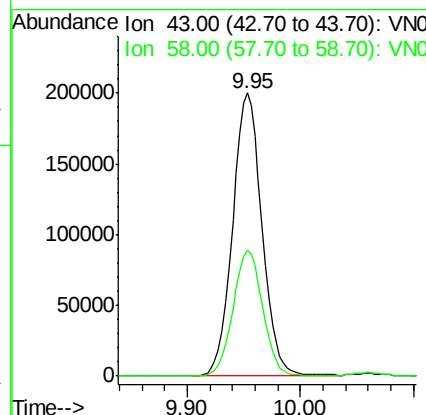
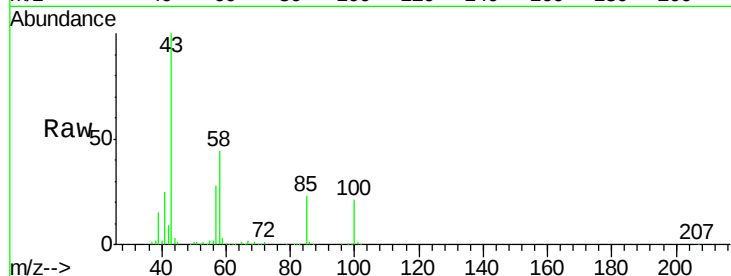
#51
4-Methyl-2-Pentanone
Concen: 92.519 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. 0.00 min
Lab File: VN061633.D
Acq: 3 Jun 2020 13:06

Instrument :
MSVOA_N
ClientSampled :
VN0603MBSD01

Tot Ion: 43 Resp: 361037
Ion Ratio Lower Upper
43 100
58 44.9 35.0 52.6

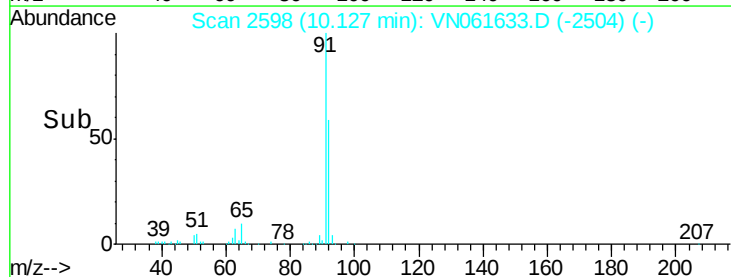
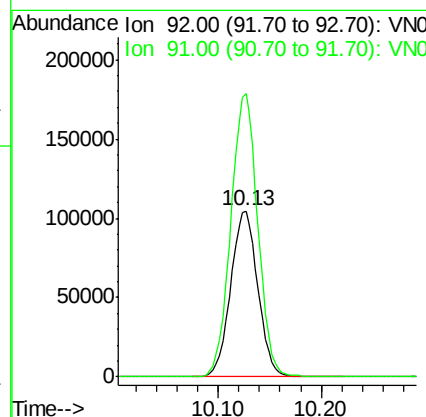
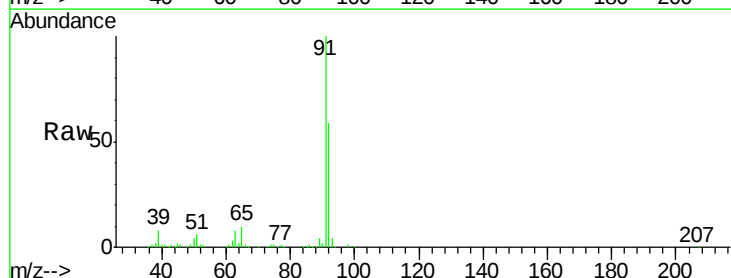
Manual Integrations
APPROVED

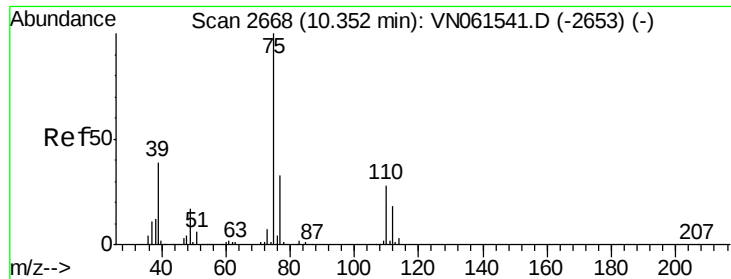
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#52
Toluene
Concen: 19.923 ug/l
RT: 10.13 min Scan# 2598
Delta R.T. 0.00 min
Lab File: VN061633.D
Acq: 3 Jun 2020 13:06

Tgt Ion: 92 Resp: 191731
Ion Ratio Lower Upper
92 100
91 169.6 136.4 204.6





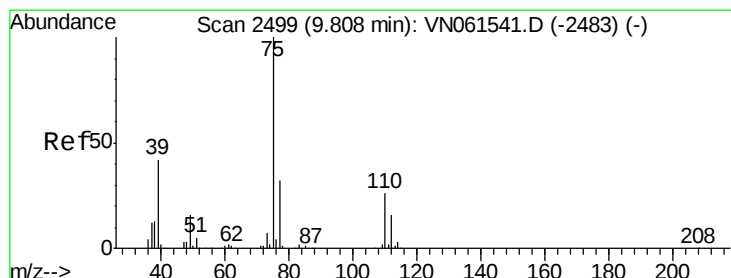
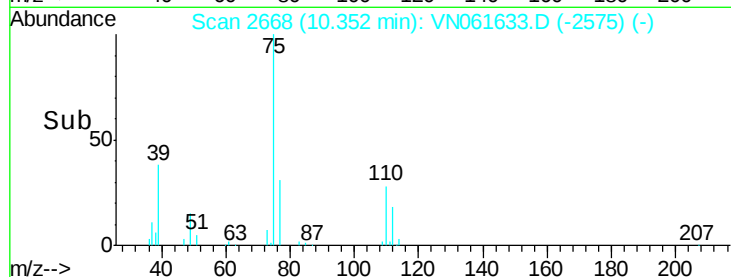
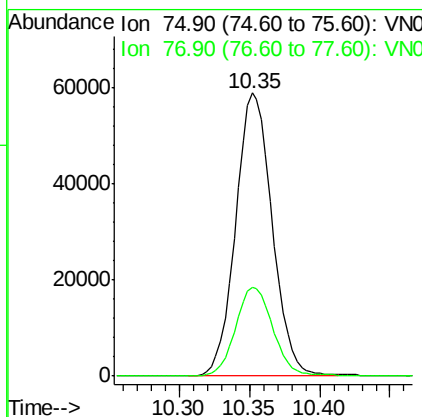
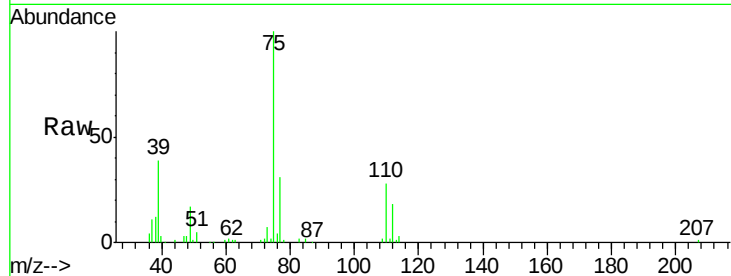
#53
t-1,3-Dichloropropene
Concen: 18.666 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. 0.00 min
Lab File: VN061633.D
Acq: 3 Jun 2020 13:06

Instrument :
MSVOA_N
ClientSampleId :
VN0603MBSD01

Tot Ion: 75 Resp: 106975
Ion Ratio Lower Upper
75 100
77 31.3 26.2 39.4

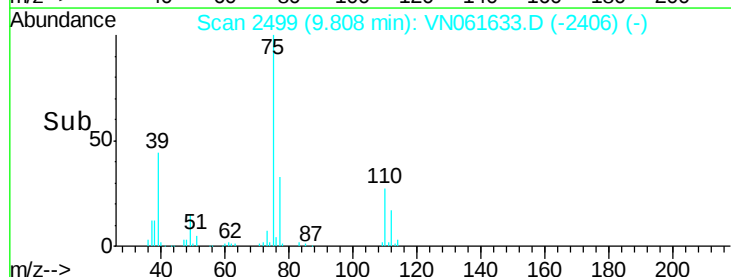
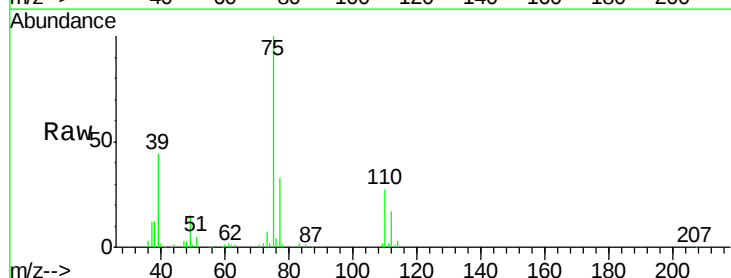
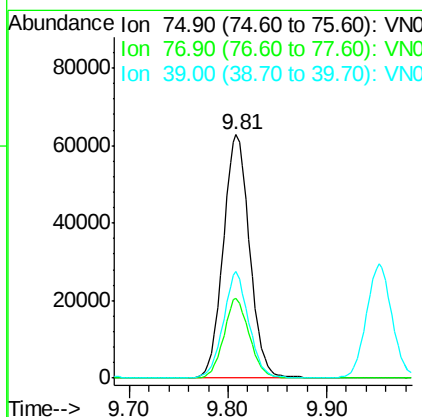
Manual Integrations
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#54
cis-1,3-Dichloropropene
Concen: 19.127 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VN061633.D
Acq: 3 Jun 2020 13:06

Tgt Ion: 75 Resp: 117863
Ion Ratio Lower Upper
75 100
77 32.9 25.4 38.2
39 43.4 33.8 50.6





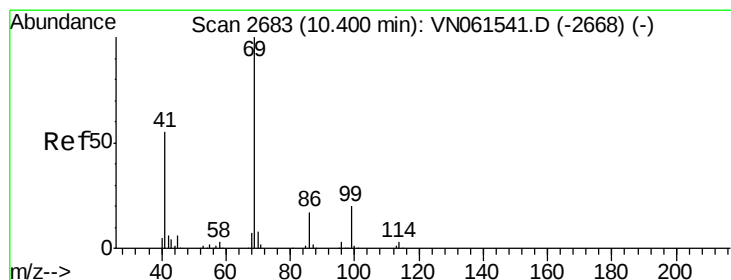
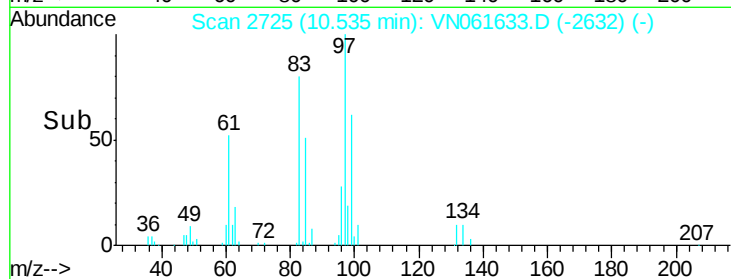
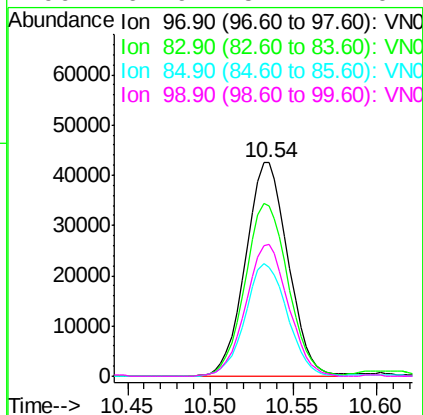
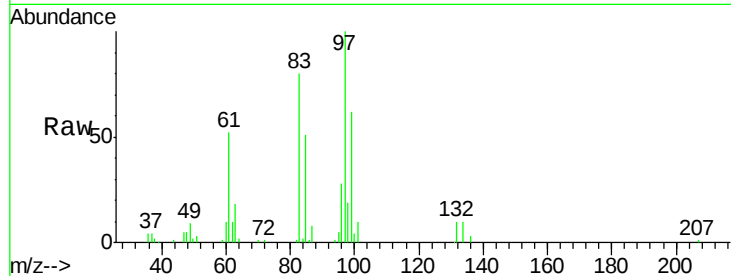
#55
 1,1,2-Trichloroethane
 Concen: 19.764 ug/l
 RT: 10.54 min Scan# 2725
 Delta R.T. 0.00 min
 Lab File: VN061633.D
 Acq: 3 Jun 2020 13:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0603MBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	79.5	68.1	102.1
85	51.1	44.1	66.1
99	61.9	51.1	76.7

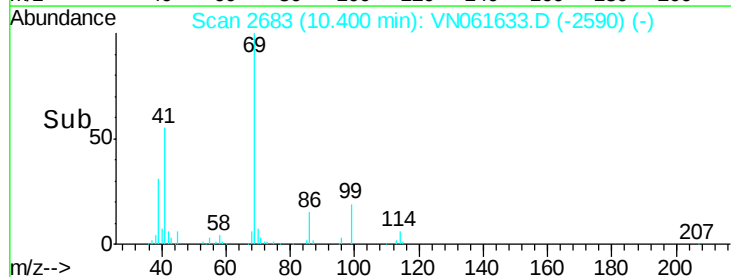
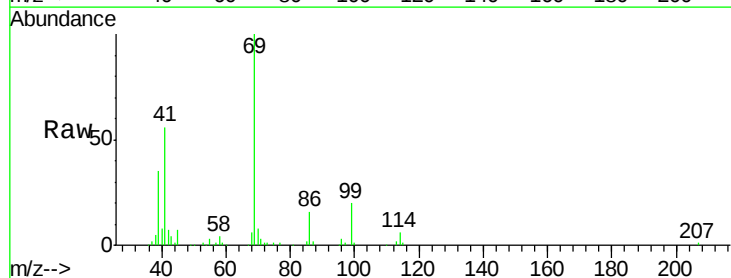
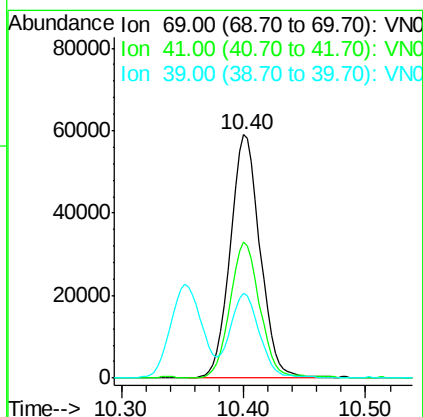
Manual Integrations
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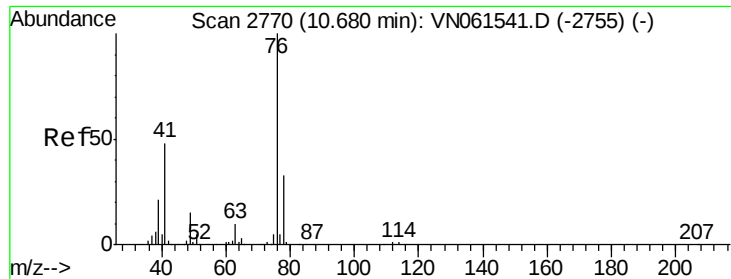
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#56
 Ethyl methacrylate
 Concen: 18.812 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN061633.D
 Acq: 3 Jun 2020 13:06

Tgt Ion	Ratio	Lower	Upper
69	100		
41	54.8	43.5	65.3
39	34.3	27.0	40.6





#57

1,3-Dichloropropane

Concen: 19.653 ug/l

RT: 10.68 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VN061633.D

Acq: 3 Jun 2020 13:06

Instrument :

MSVOA_N

ClientSampleId :

VN0603MBSD01

Tot Ion: 76 Resp: 120515

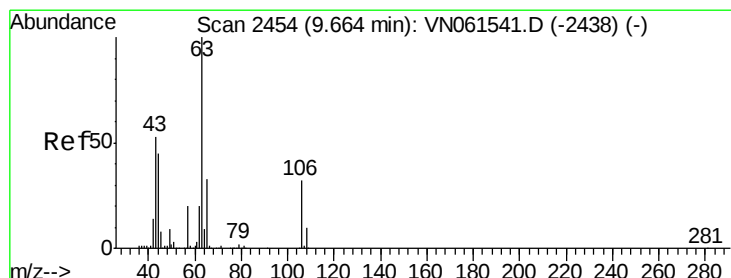
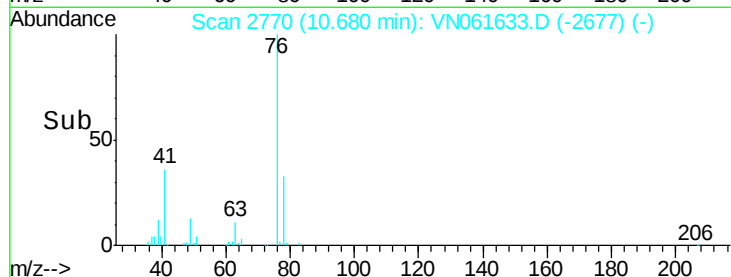
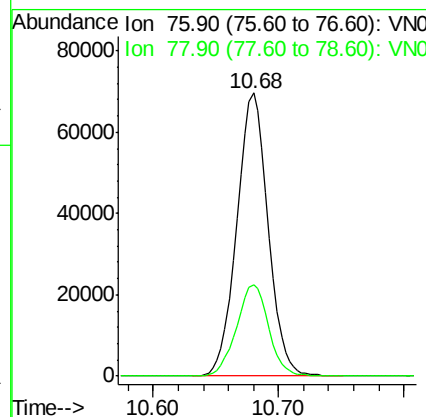
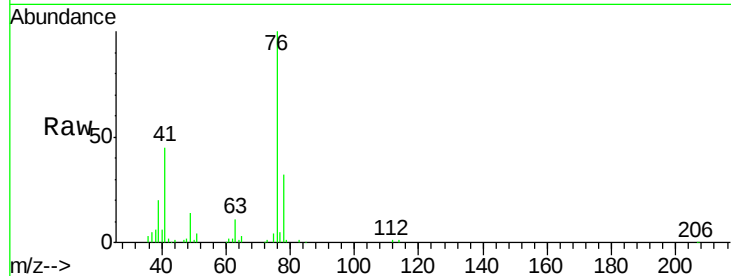
Ion Ratio Lower Upper

76 100

78 33.2 26.3 39.5

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 81.968 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VN061633.D

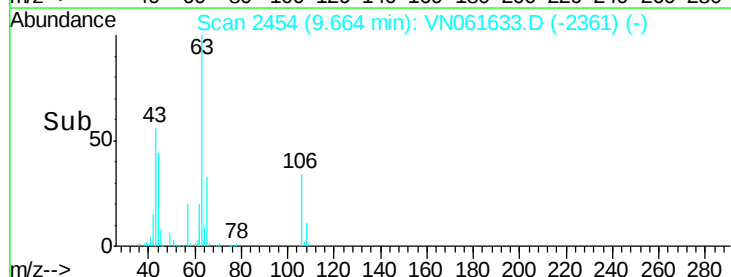
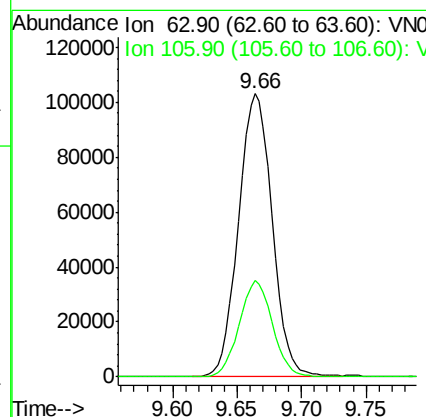
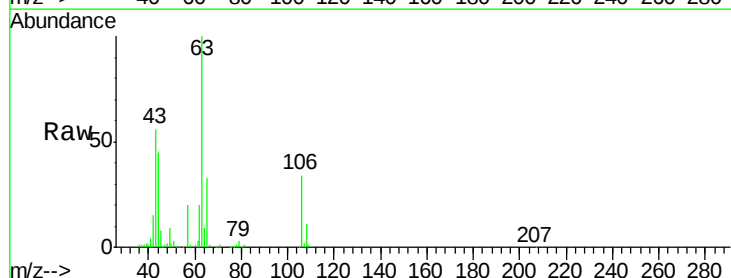
Acq: 3 Jun 2020 13:06

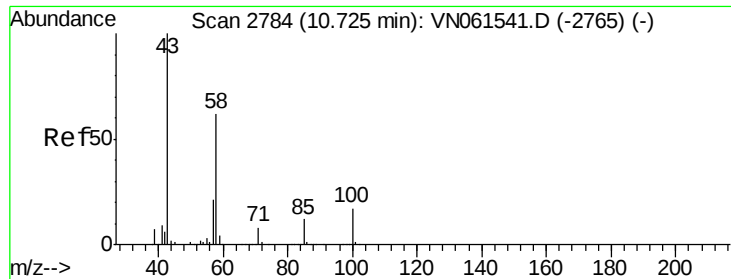
Tgt Ion: 63 Resp: 187612

Ion Ratio Lower Upper

63 100

106 33.5 25.9 38.9





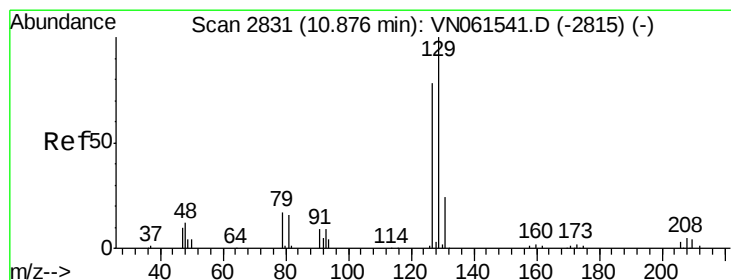
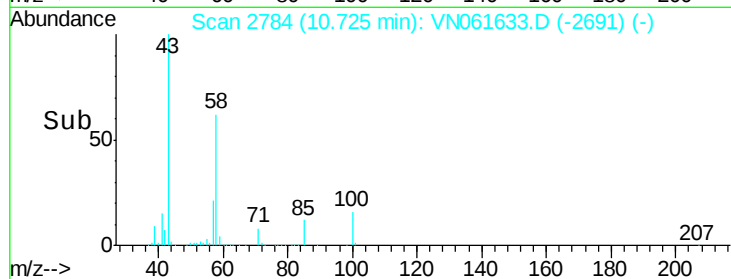
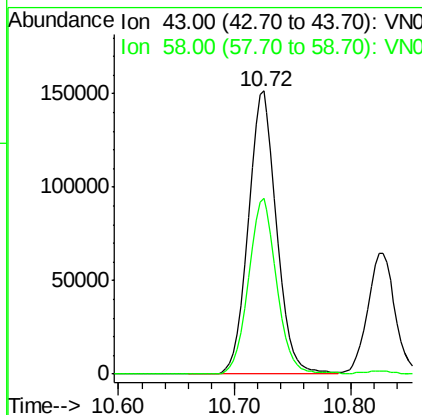
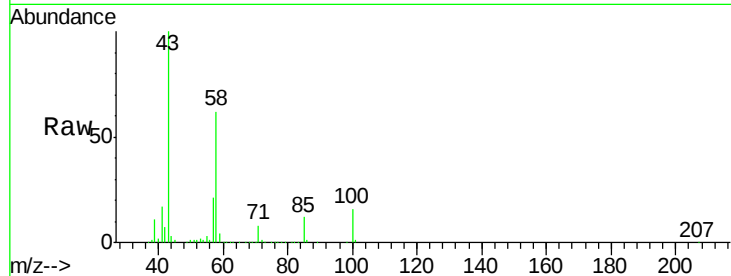
#59
2-Hexanone
Concen: 91.976 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN061633.D
Acq: 3 Jun 2020 13:06

Instrument :
MSVOA_N
ClientSampleId :
VN0603MBS01

Tot Ion: 43 Resp: 257764
Ion Ratio Lower Upper
43 100
58 61.8 30.7 92.1

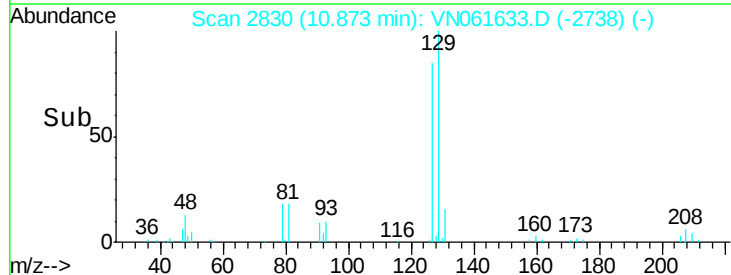
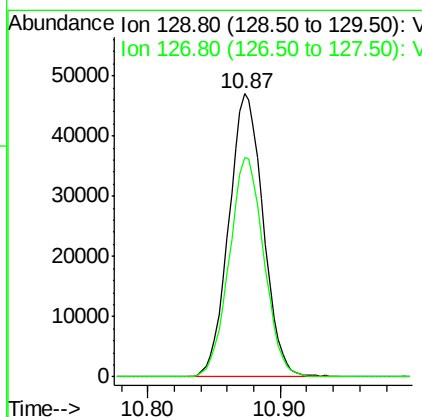
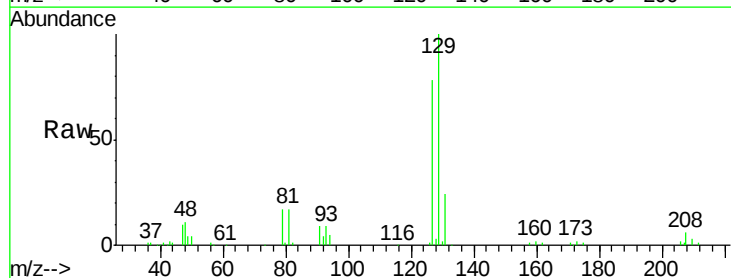
Manual Integrations
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6/4/2020 3:08:14 PM



#60
Dibromochloromethane
Concen: 19.433 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN061633.D
Acq: 3 Jun 2020 13:06

Tgt Ion: 129 Resp: 84707
Ion Ratio Lower Upper
129 100
127 77.9 38.8 116.3





#61

1,2-Dibromoethane

Concen: 19.729 ug/l

RT: 10.98 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VN061633.D

Acq: 3 Jun 2020 13:06

Instrument :

MSVOA_N

ClientSampleId :

VN0603MBSD01

Tot Ion: 107 Resp: 78892

Ion Ratio Lower Upper

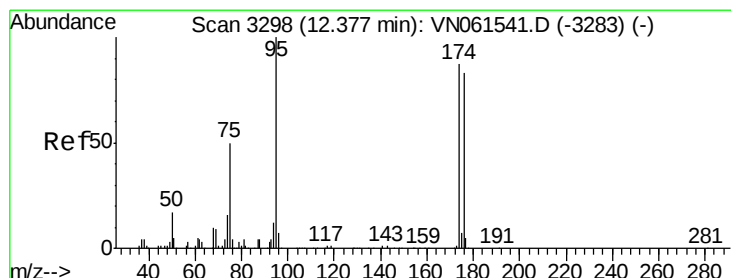
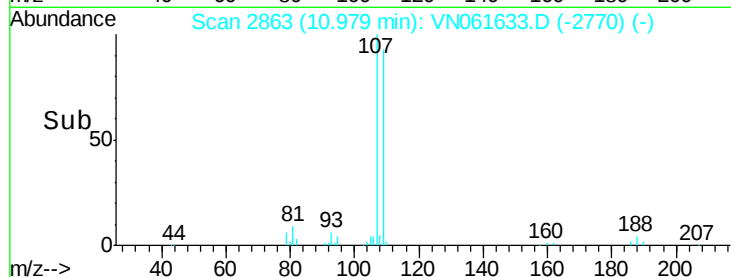
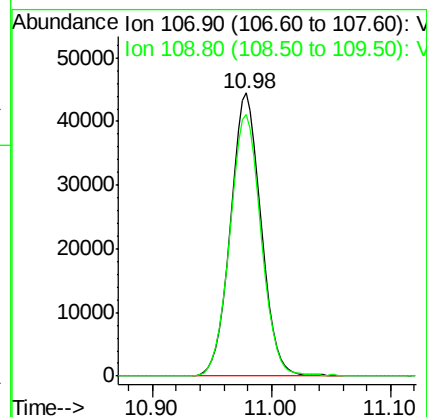
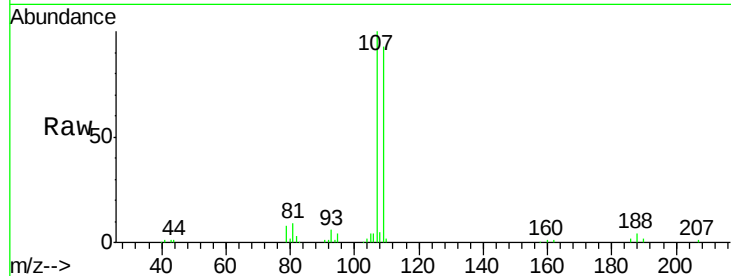
107 100

109 94.5 76.1 114.1

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#62

4-Bromofluorobenzene

Concen: 47.366 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN061633.D

Acq: 3 Jun 2020 13:06

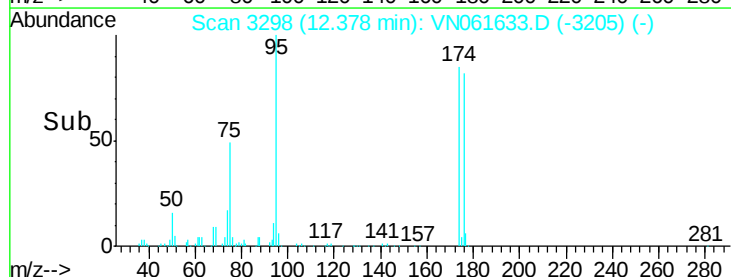
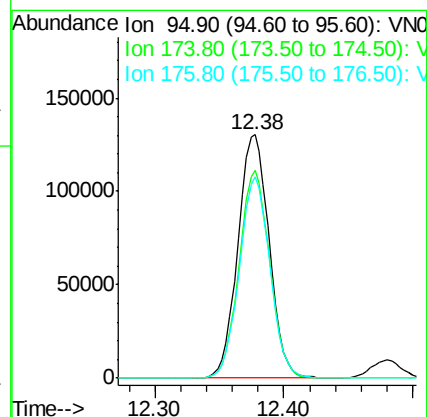
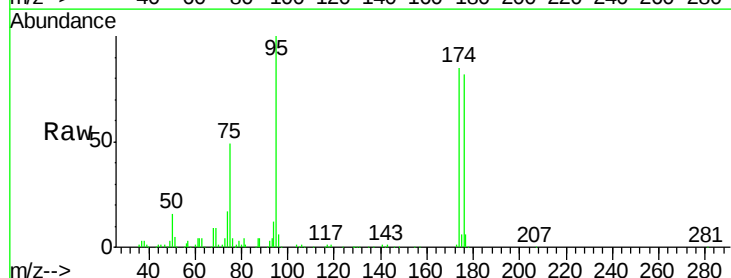
Tgt Ion: 95 Resp: 219295

Ion Ratio Lower Upper

95 100

174 84.0 0.0 172.8

176 81.0 0.0 164.8





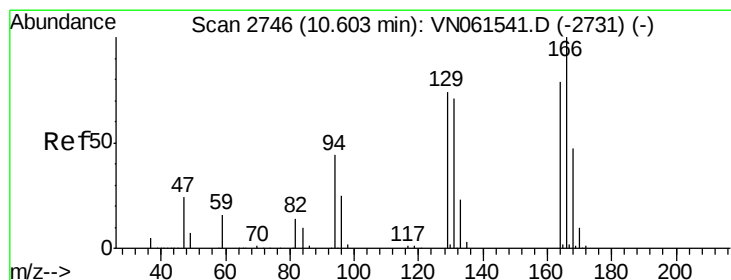
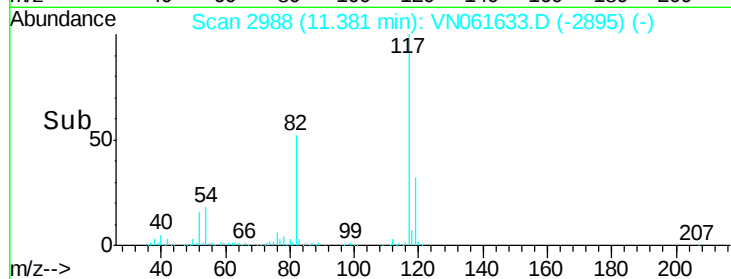
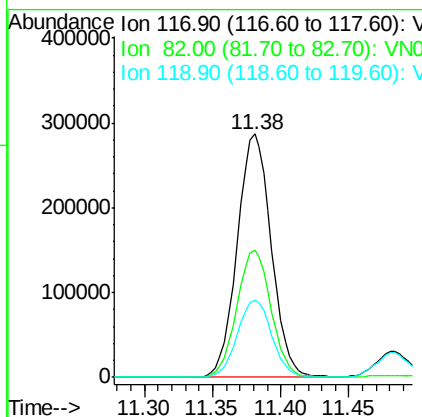
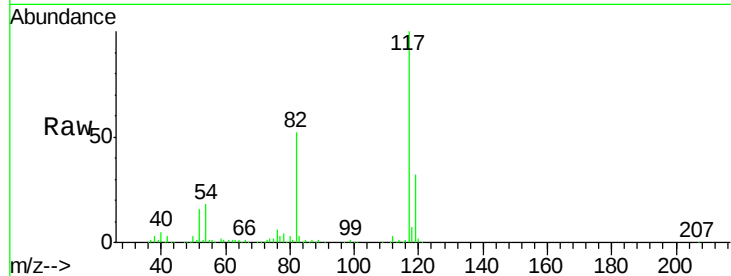
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061633.D
Acq: 3 Jun 2020 13:06

Instrument :
MSVOA_N
ClientSampleId :
VN0603MBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.4	41.5	62.3
119	32.0	25.6	38.4

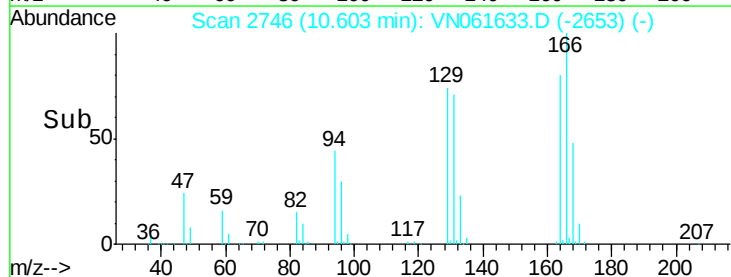
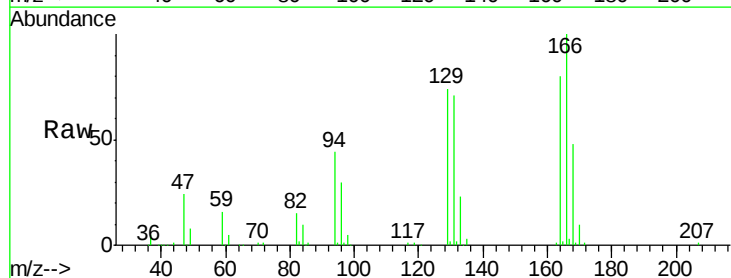
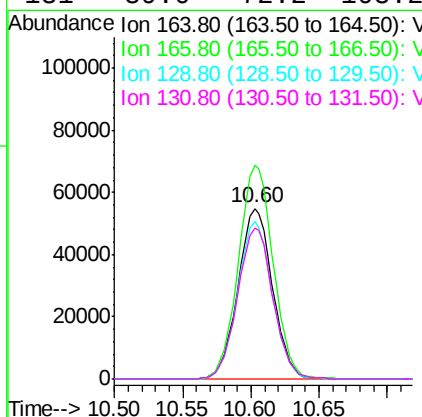
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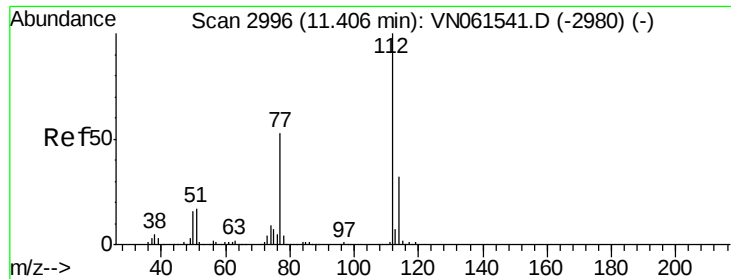
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#64
Tetrachloroethene
Concen: 20.451 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN061633.D
Acq: 3 Jun 2020 13:06

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.4	101.5	152.3
129	92.2	74.9	112.3
131	89.0	72.2	108.2





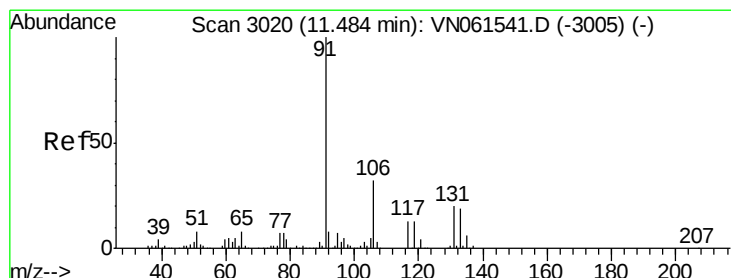
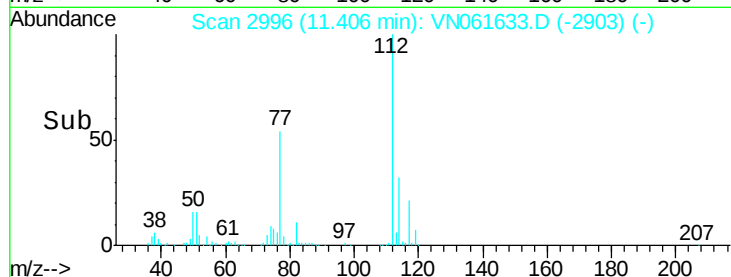
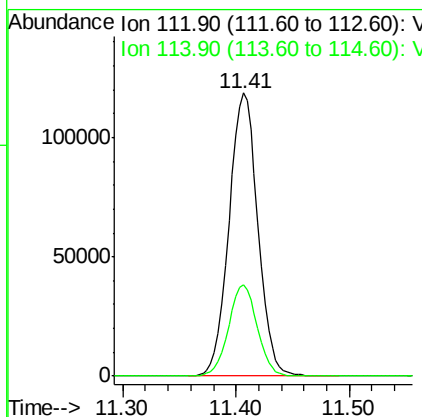
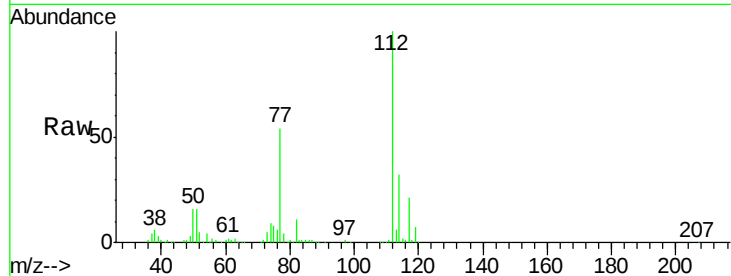
#65
Chlorobenzene
Concen: 20.303 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN061633.D
Acq: 3 Jun 2020 13:06

Instrument :
MSVOA_N
ClientSampleId :
VN0603MBSD01

Tot Ion:112 Resp: 210196
Ion Ratio Lower Upper
112 100
114 32.2 25.7 38.5

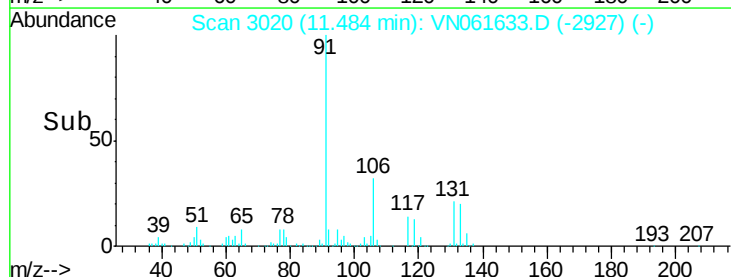
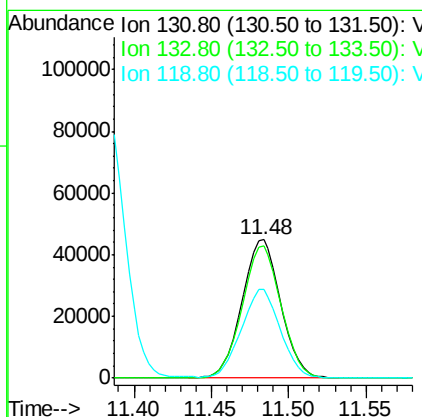
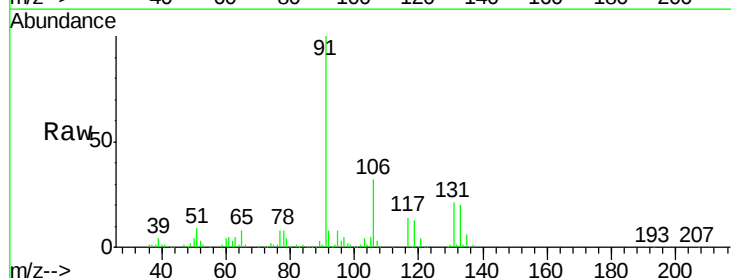
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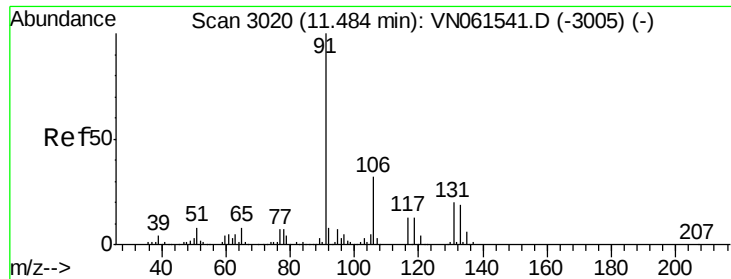
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.234 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN061633.D
Acq: 3 Jun 2020 13:06

Tgt Ion:131 Resp: 77997
Ion Ratio Lower Upper
131 100
133 96.5 47.4 142.2
119 64.5 32.6 97.8





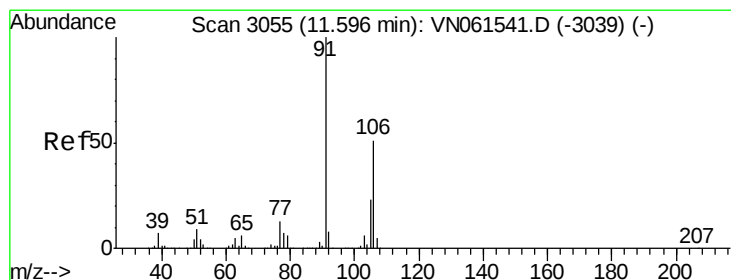
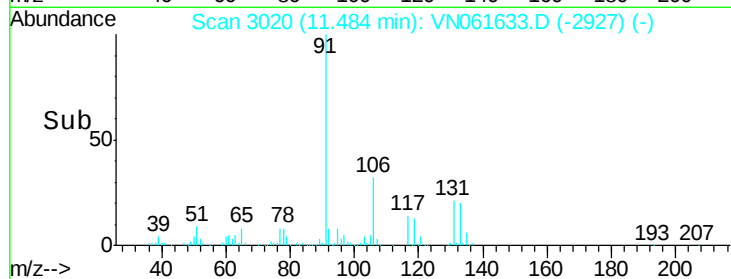
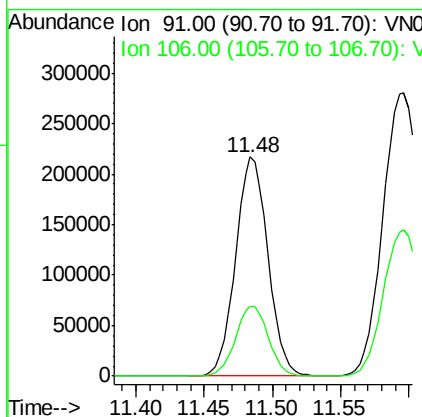
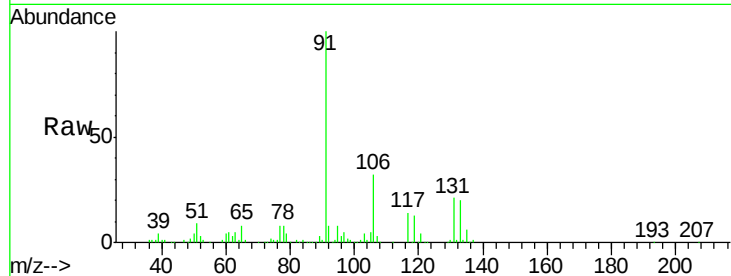
#67
Ethyl Benzene
Concen: 20.030 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN061633.D
Acq: 3 Jun 2020 13:06

Instrument :
MSVOA_N
ClientSampleId :
VN0603MBSD01

Tot Ion: 91 Resp: 358401
Ion Ratio Lower Upper
91 100
106 32.1 25.6 38.4

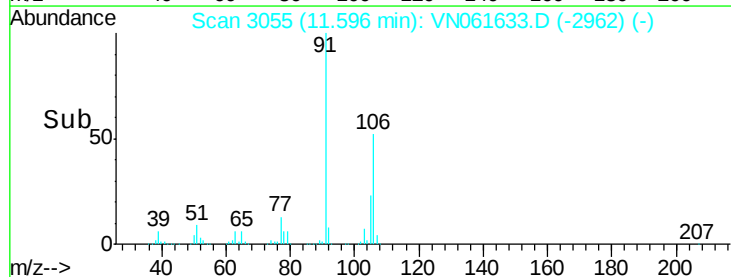
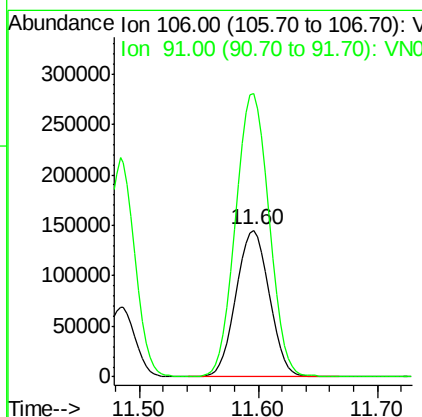
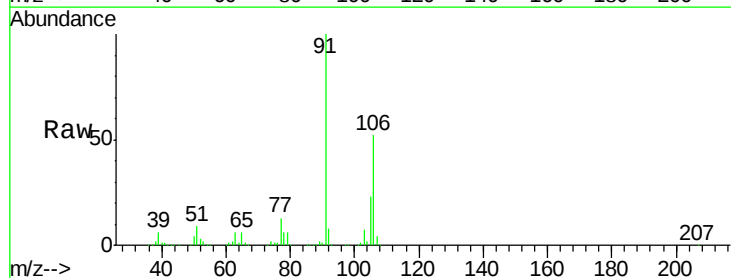
Manual Integrations
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#68
m/p-Xylenes
Concen: 39.620 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN061633.D
Acq: 3 Jun 2020 13:06

Tgt Ion: 106 Resp: 281098
Ion Ratio Lower Upper
106 100
91 195.2 156.2 234.4





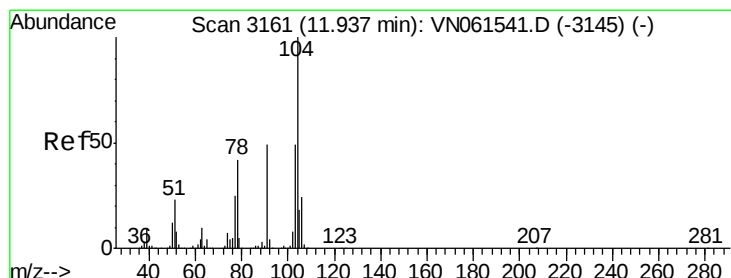
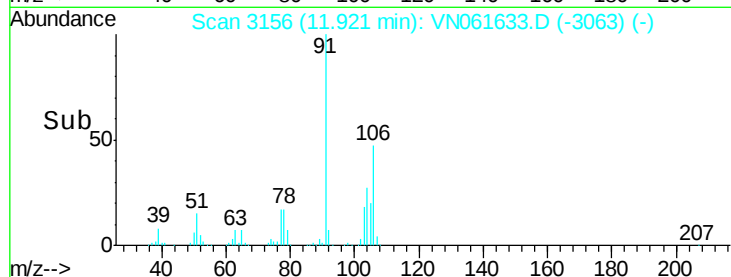
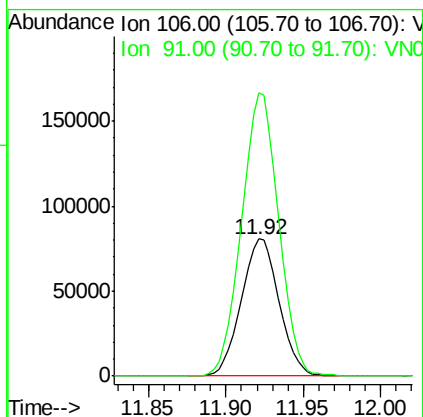
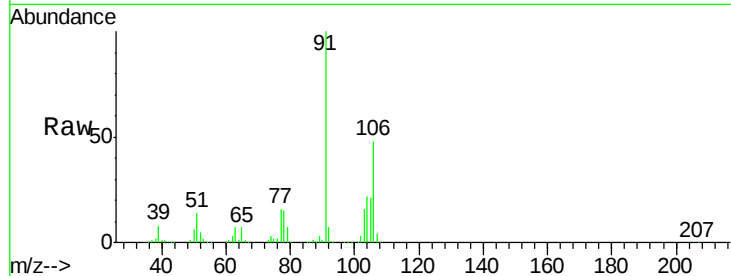
#69
o-Xylene
Concen: 20.363 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN061633.D
Acq: 3 Jun 2020 13:06

Instrument :
MSVOA_N
ClientSampleId :
VN0603MBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	203.0	103.3	137220	309.8	

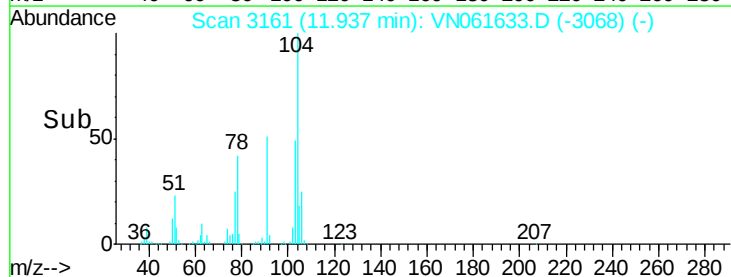
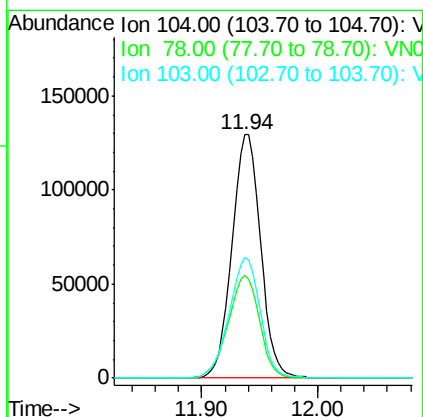
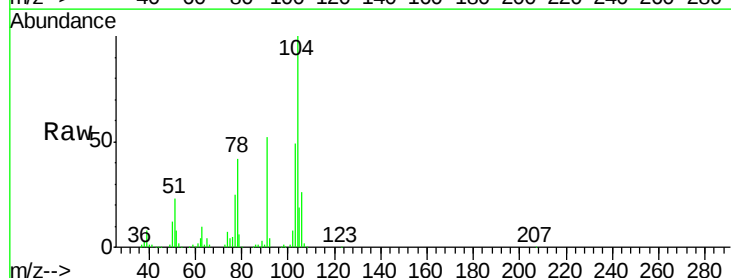
Manual Integrations
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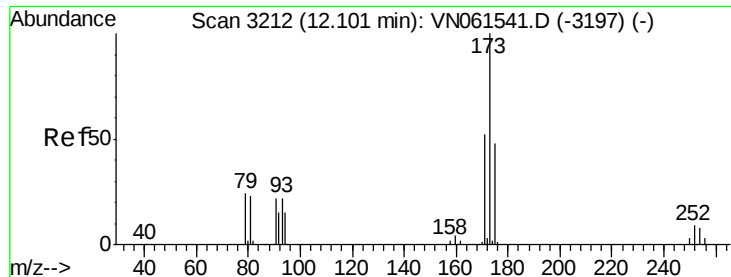
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#70
Styrene
Concen: 19.788 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN061633.D
Acq: 3 Jun 2020 13:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	46.1	37.4	220828	56.0	
103	53.6	42.3		63.5	





#71

Bromoform

Concen: 18.805 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VN061633.D

Acq: 3 Jun 2020 13:06

Instrument :

MSVOA_N

ClientSampleId :

VN0603MBSD01

Tot Ion:173 Resp: 55859

Ion Ratio Lower Upper

173 100

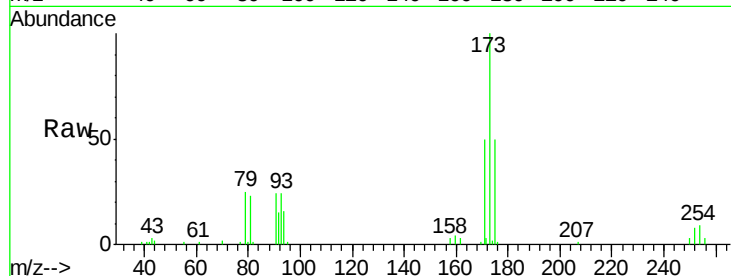
175 48.6 24.4 73.2

254 0.0 0.0 0.0

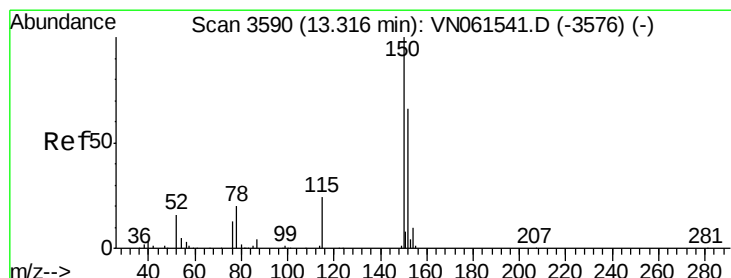
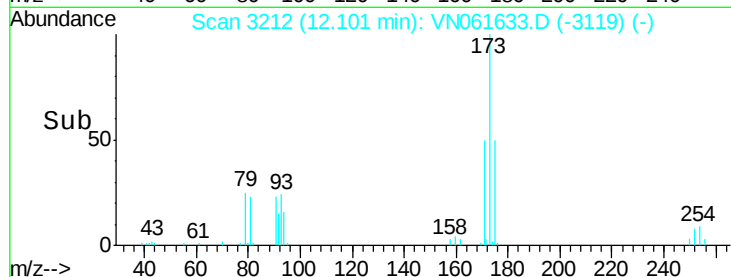
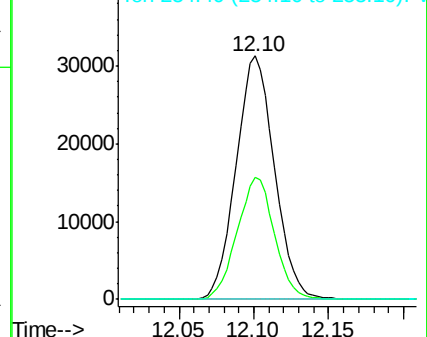
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN061633.D

Acq: 3 Jun 2020 13:06

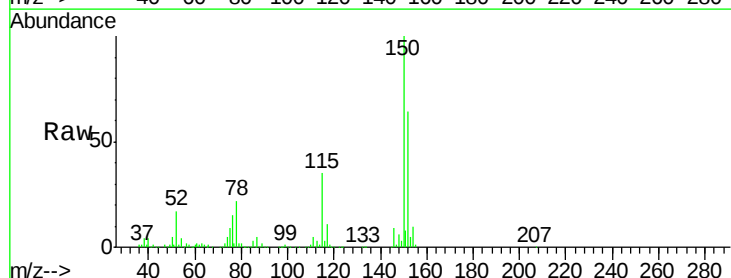
Tgt Ion:152 Resp: 245103

Ion Ratio Lower Upper

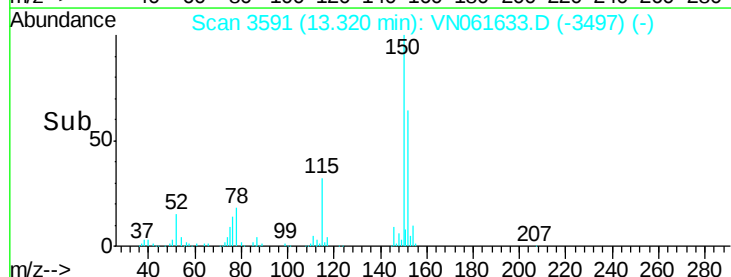
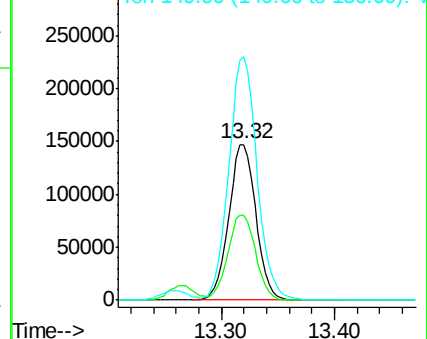
152 100

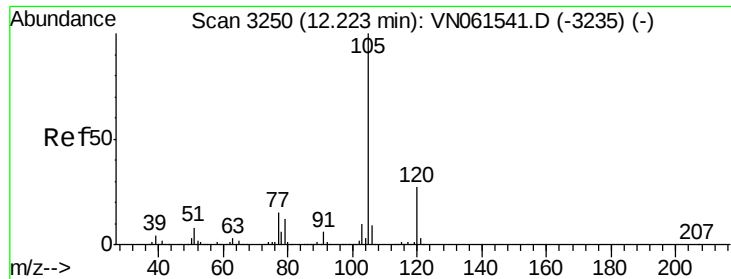
115 56.0 28.0 84.0

150 162.4 0.0 344.0



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: 20.106 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN061633.D

Acq: 3 Jun 2020 13:06

Instrument :

MSVOA_N

ClientSampleID :

VN0603MBS01

Tot Ion: 105 Resp: 359679

Ion Ratio Lower Upper

105 100

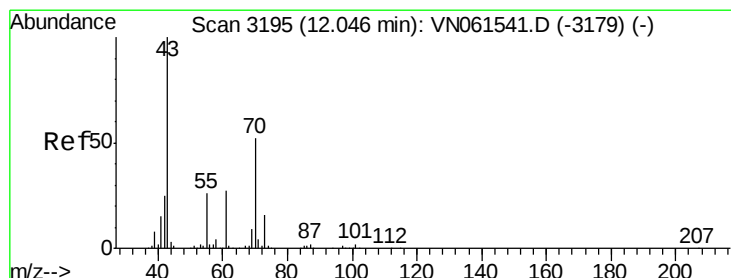
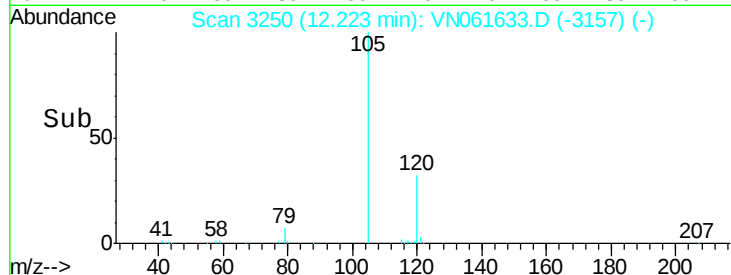
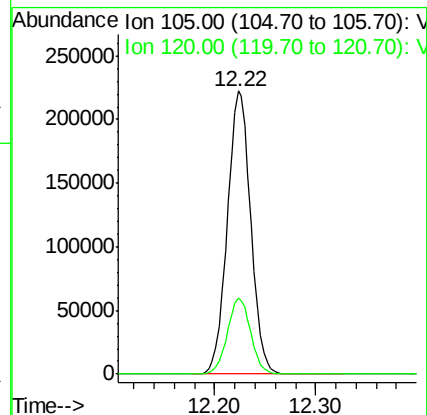
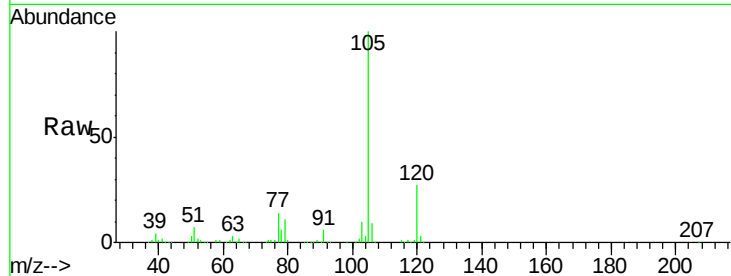
120 26.9 13.8 41.3

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#74

N-ethyl acetate

Concen: 18.178 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN061633.D

Acq: 3 Jun 2020 13:06

Tgt Ion: 43 Resp: 102408

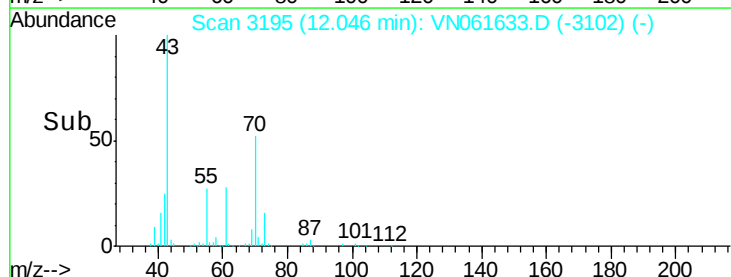
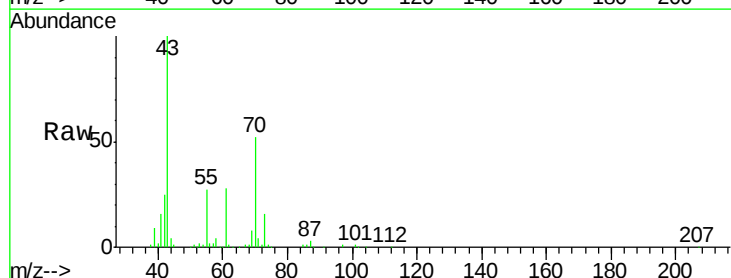
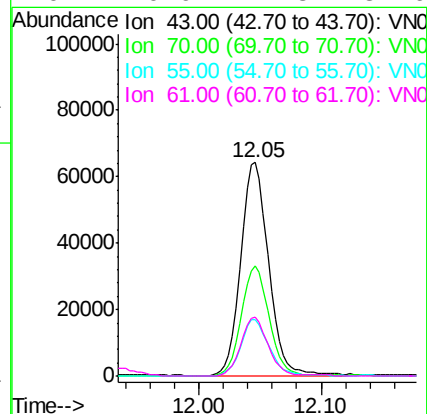
Ion Ratio Lower Upper

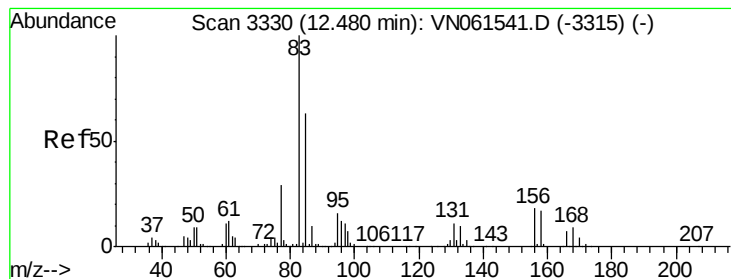
43 100

70 50.5 40.5 60.7

55 26.8 20.6 31.0

61 26.9 21.8 32.6





#75

1,1,2,2-Tetrachloroethane

Concen: 18.559 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN061633.D

Acq: 3 Jun 2020 13:06

Instrument :

MSVOA_N

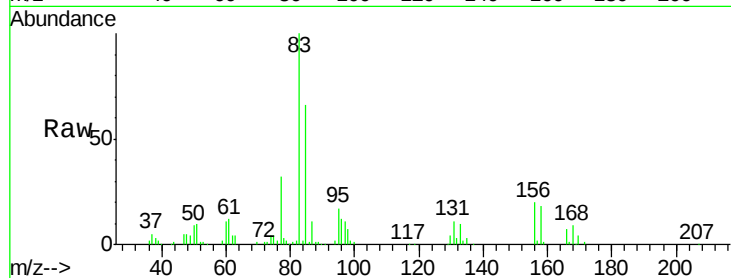
ClientSampleId :

VN0603MBSD01

Tot Ion:	83	Resp:	93040
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.5	16.5
85	67.9	32.1	96.3

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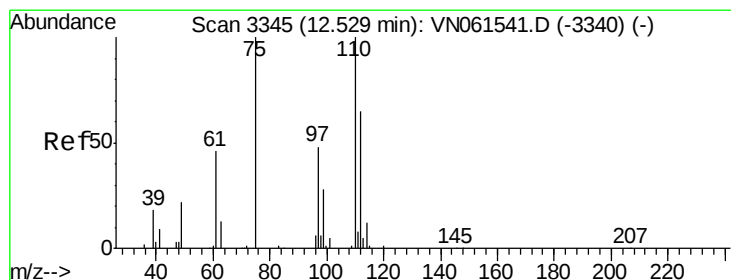
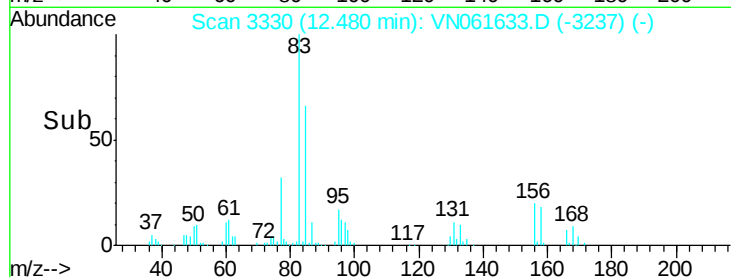
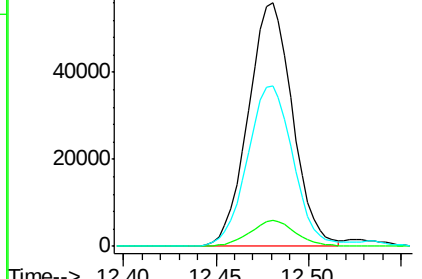
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Abundance Ion 82.90 (82.60 to 83.60): VN061633.D (-3237) (-)

Ion 130.80 (130.50 to 131.50): VN061633.D (-3237) (-)

Ion 84.90 (84.60 to 85.60): VN061633.D (-3237) (-)



#76

1,2,3-Trichloropropane

Concen: 18.780 ug/l m

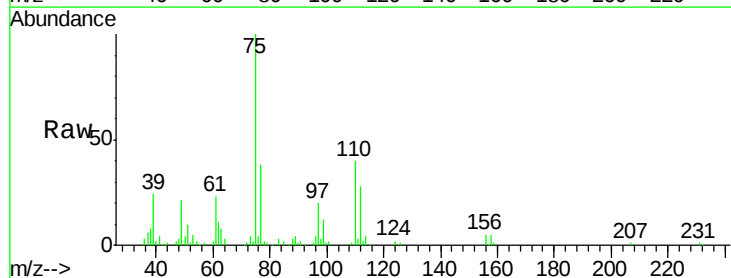
RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN061633.D

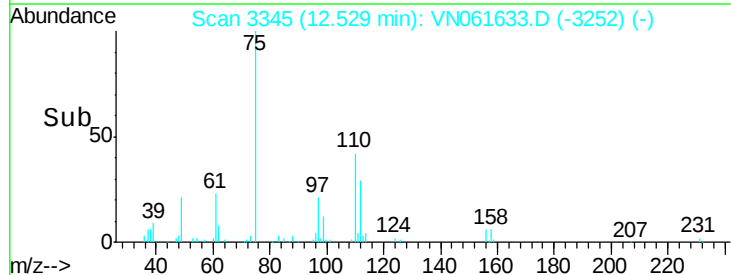
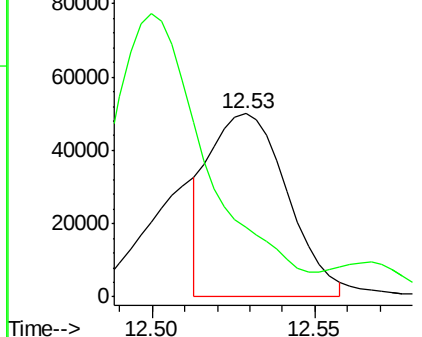
Acq: 3 Jun 2020 13:06

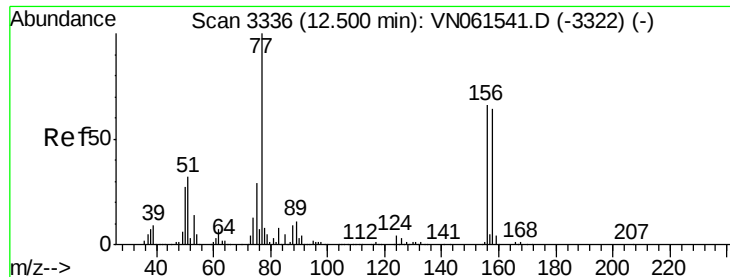
Tgt Ion:	75	Resp:	83702
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN061633.D (-3252) (-)

Ion 77.00 (76.70 to 77.70): VN061633.D (-3252) (-)





#77

Bromobenzene

Concen: 20.170 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN061633.D

Acq: 3 Jun 2020 13:06

Instrument :

MSVOA_N

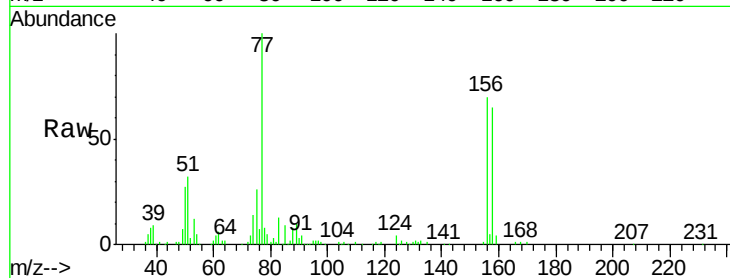
ClientSampleId :

VN0603MBS01

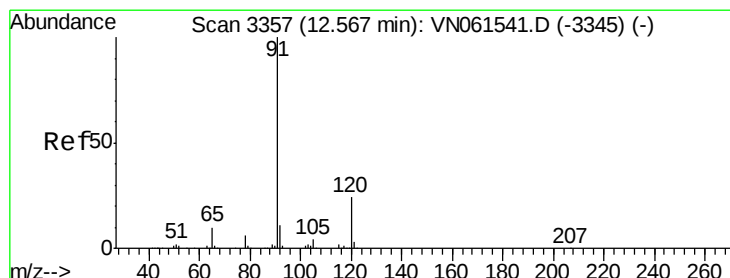
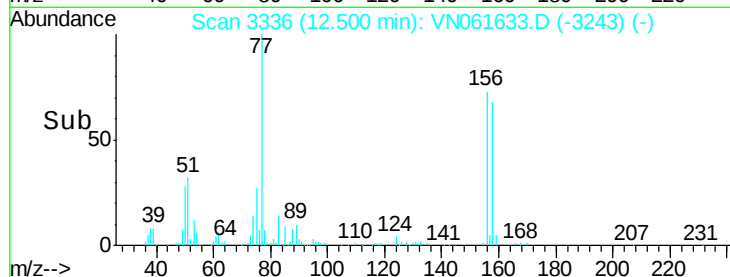
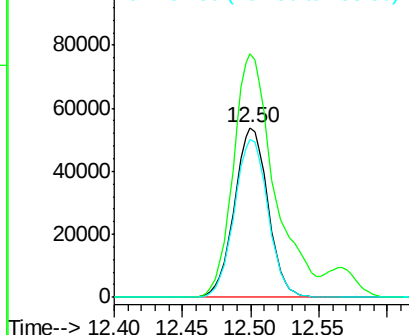
Tot Ion:	156	Resp:	92102
Ion Ratio	Lower	Upper	
156	100		
77	174.5	90.9	272.7
158	93.6	48.4	145.3

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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.572 ug/l

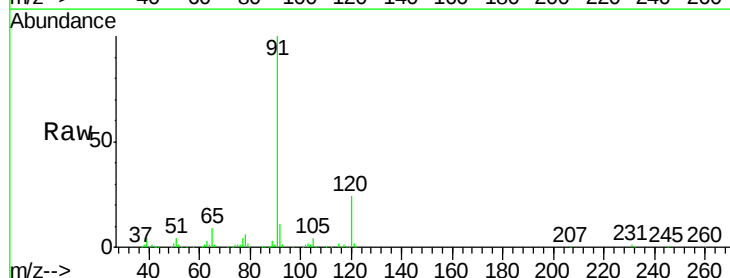
RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

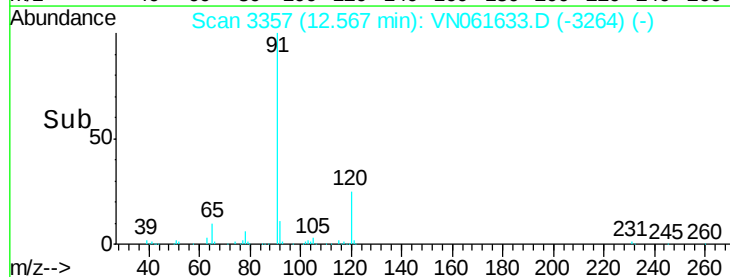
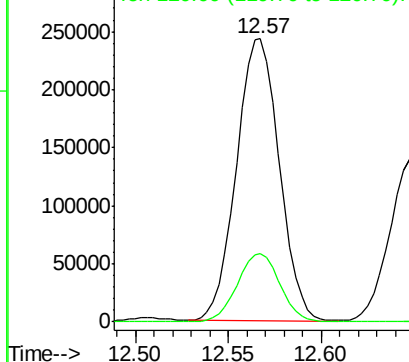
Lab File: VN061633.D

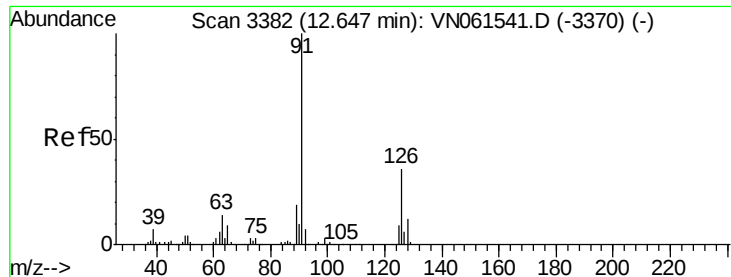
Acq: 3 Jun 2020 13:06

Tgt Ion:	91	Resp:	390881
Ion Ratio	Lower	Upper	
91	100		
120	24.2	12.3	36.9



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.359 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. 0.00 min

Lab File: VN061633.D

Acq: 3 Jun 2020 13:06

Instrument :

MSVOA_N

ClientSampleId :

VN0603MBSD01

Tot Ion: 91 Resp: 230542

Ion Ratio Lower Upper

91 100

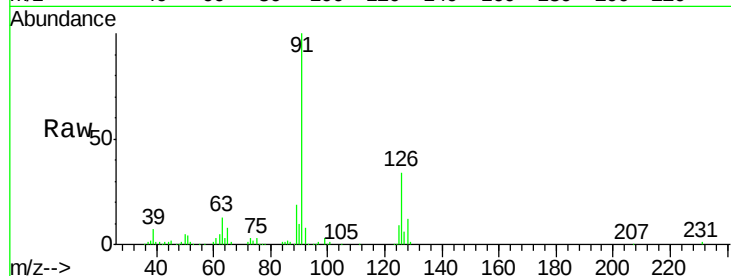
126 35.8 17.9 53.7

Manual Integrations

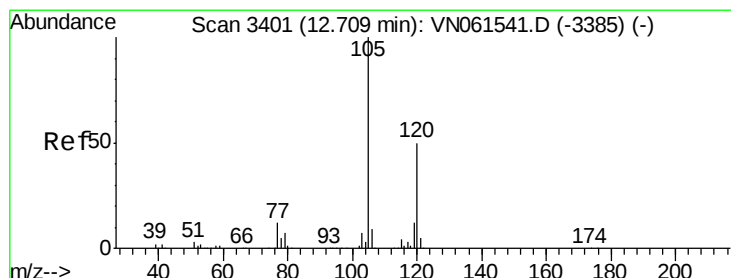
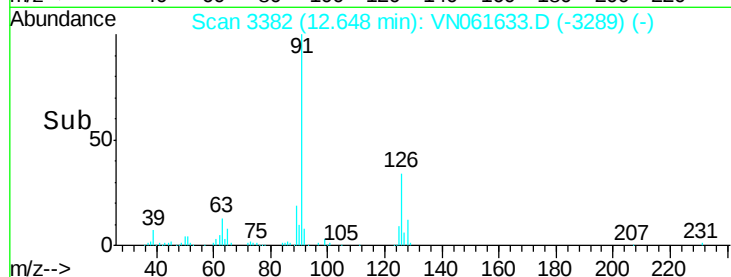
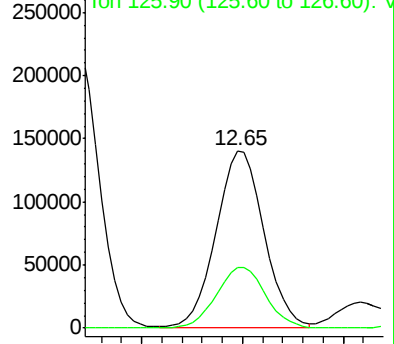
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Abundance Ion 91.00 (90.70 to 91.70): VN061541.D (-3370) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.704 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN061633.D

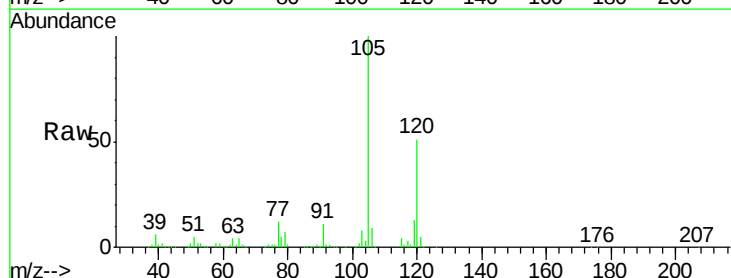
Acq: 3 Jun 2020 13:06

Tgt Ion: 105 Resp: 294614

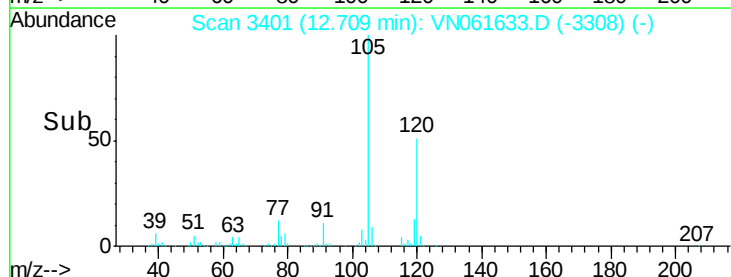
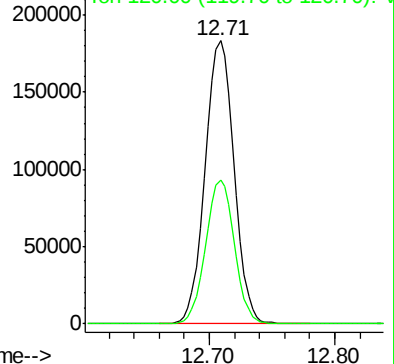
Ion Ratio Lower Upper

105 100

120 50.3 25.1 75.2



Abundance Ion 105.00 (104.70 to 105.70): VN061541.D (-3385) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 17.726 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN061633.D

Acq: 3 Jun 2020 13:06

Instrument :

MSVOA_N

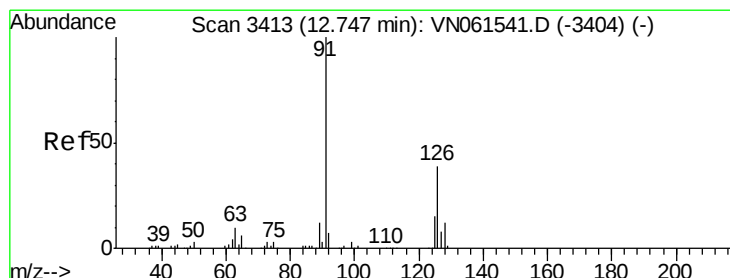
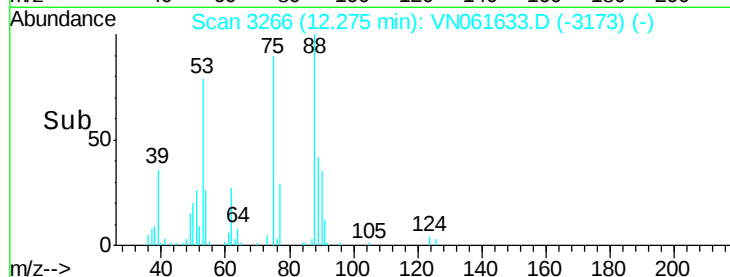
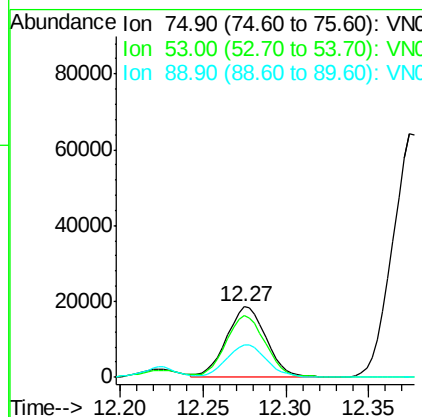
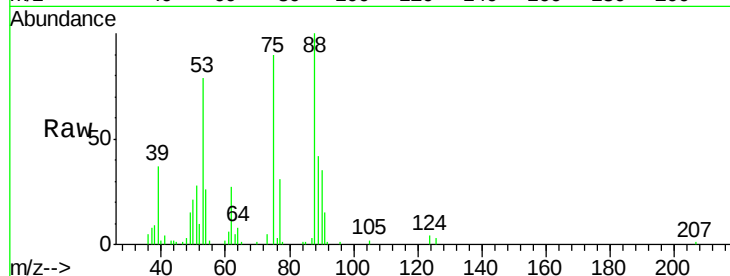
ClientSampleId :

VN0603MBSD01

Tot Ion:	75	Resp:	30893
Ion	Ratio	Lower	Upper
75	100		
53	87.9	67.8	101.8
89	46.7	37.1	55.7

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#82

4-Chlorotoluene

Concen: 19.057 ug/l

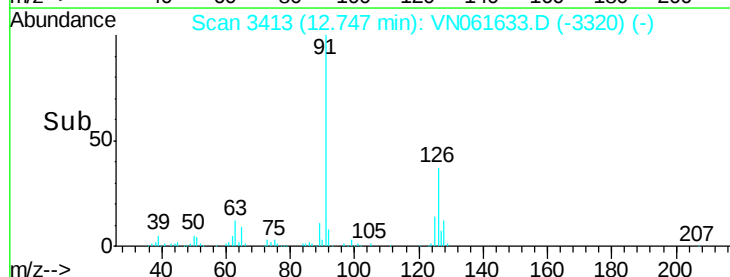
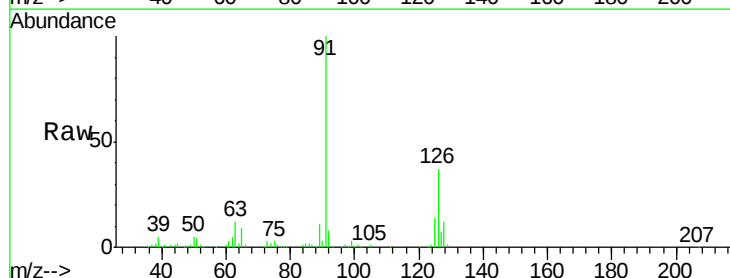
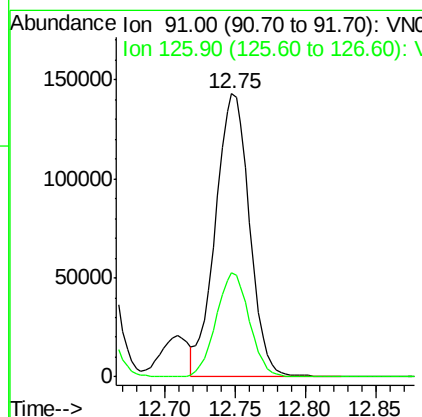
RT: 12.75 min Scan# 3413

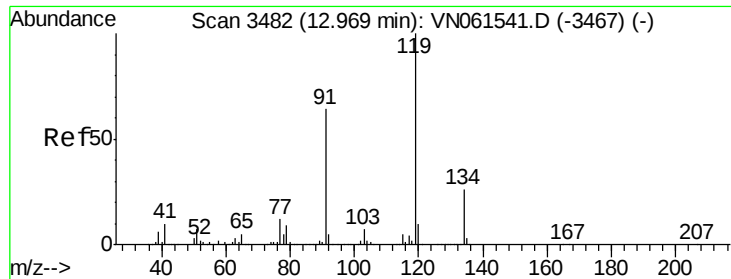
Delta R.T. 0.00 min

Lab File: VN061633.D

Acq: 3 Jun 2020 13:06

Tgt Ion:	91	Resp:	238748
Ion	Ratio	Lower	Upper
91	100		
126	36.2	17.5	52.6





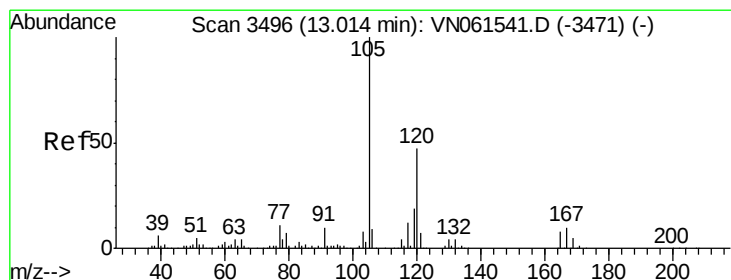
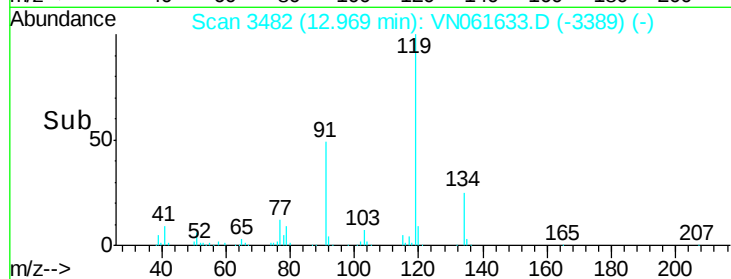
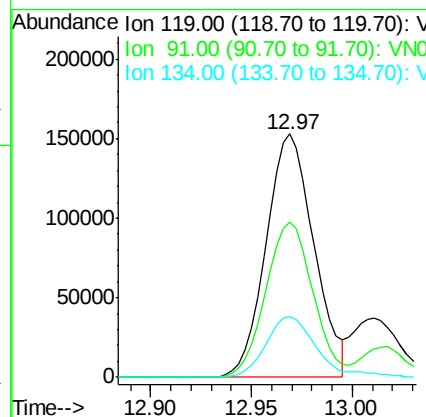
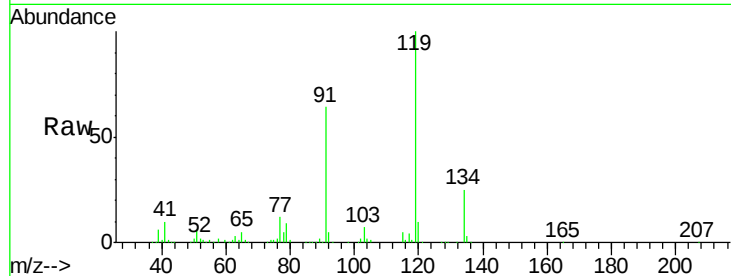
#83
tert-Butylbenzene
Concen: 19.098 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. 0.00 min
Lab File: VN061633.D
Acq: 3 Jun 2020 13:06

Instrument :
MSVOA_N
ClientSampleId :
VN0603MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	252297		
91	63.3	31.3	93.8	
134	26.8	13.5	40.4	

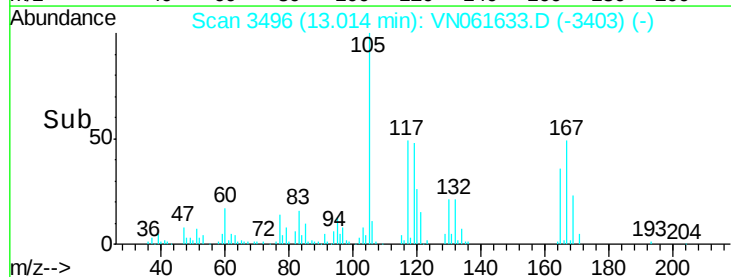
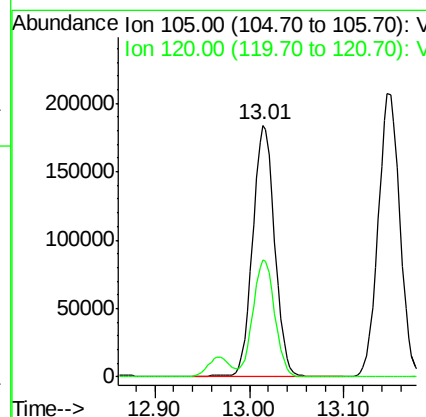
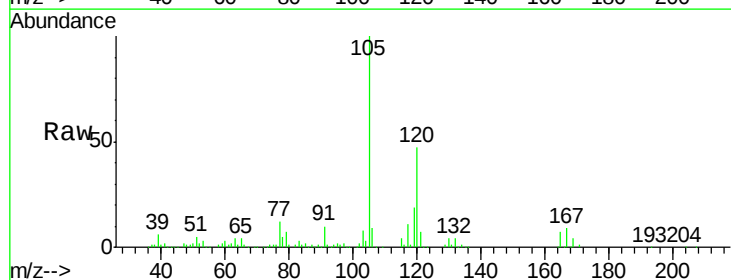
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#84
1,2,4-Trimethylbenzene
Concen: 19.997 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. 0.00 min
Lab File: VN061633.D
Acq: 3 Jun 2020 13:06

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	297032		
120	46.3	23.2	69.5	





#85

sec-Butylbenzene

Concen: 19.354 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. 0.00 min

Lab File: VN061633.D

Acq: 3 Jun 2020 13:06

Instrument :

MSVOA_N

ClientSampleId :

VN0603MBSD01

Tot Ion:105 Resp: 329463

Ion Ratio Lower Upper

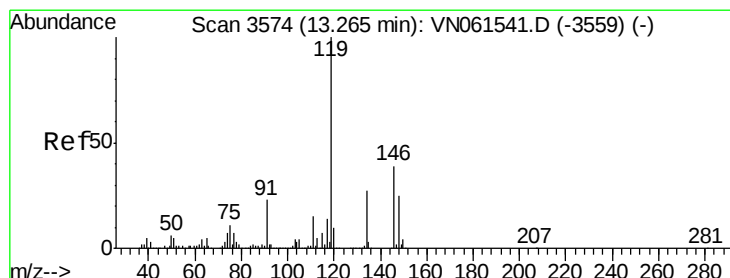
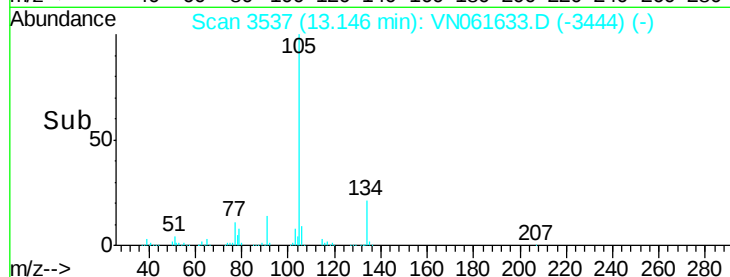
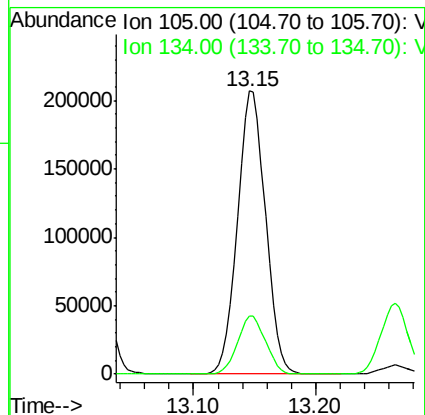
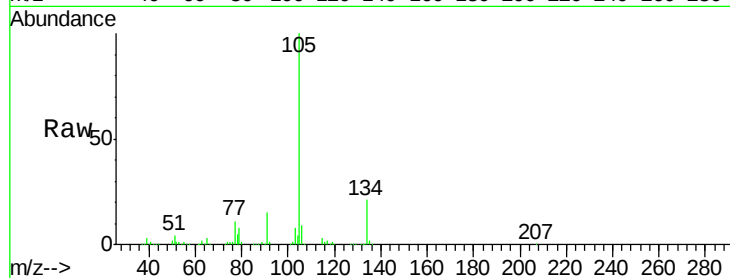
105 100

134 20.6 10.7 31.9

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#86

p-Isopropyltoluene

Concen: 19.294 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN061633.D

Acq: 3 Jun 2020 13:06

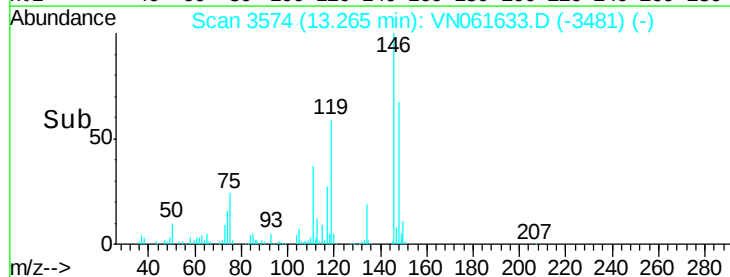
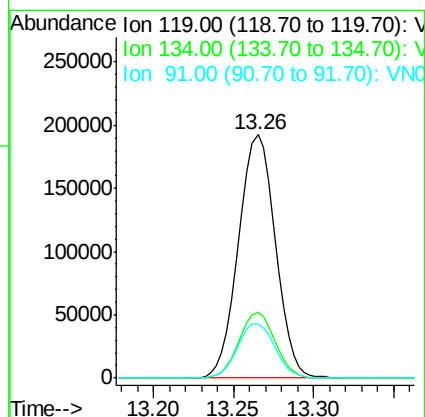
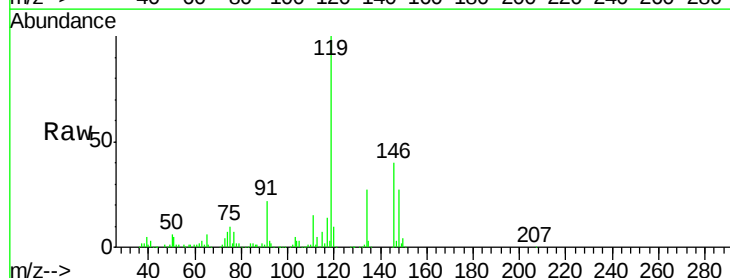
Tgt Ion:119 Resp: 302474

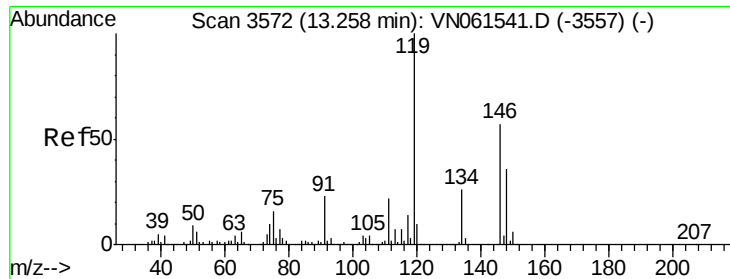
Ion Ratio Lower Upper

119 100

134 26.6 13.5 40.5

91 22.8 11.4 34.1





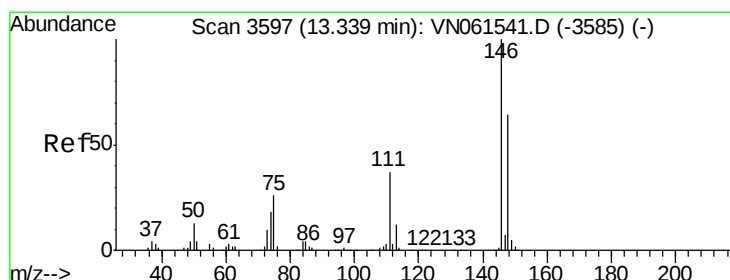
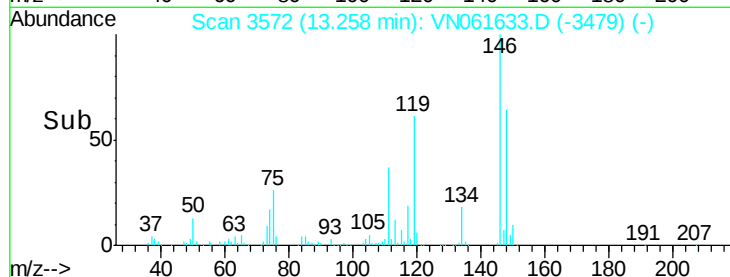
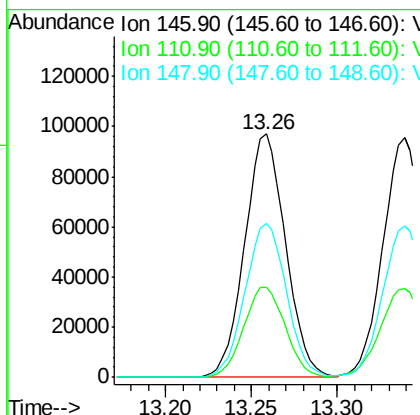
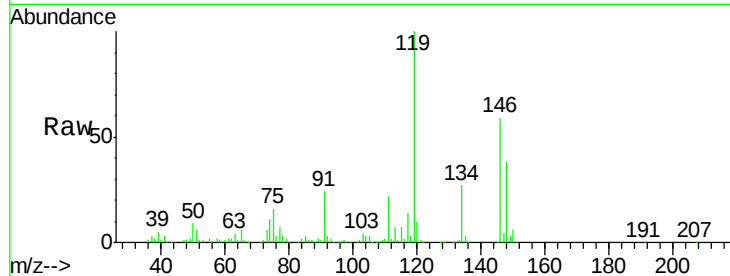
#87
 1,3-Dichlorobenzene
 Concen: 19.809 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN061633.D
 Acq: 3 Jun 2020 13:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0603MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	19.2	57.6
148	64.2	31.7	95.1

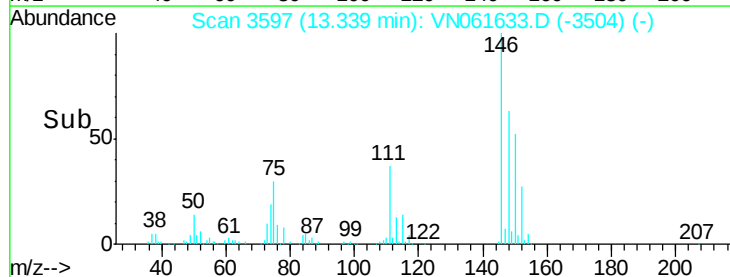
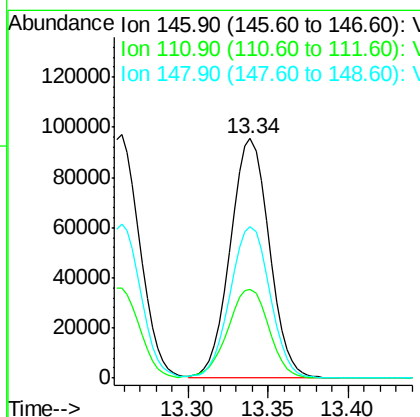
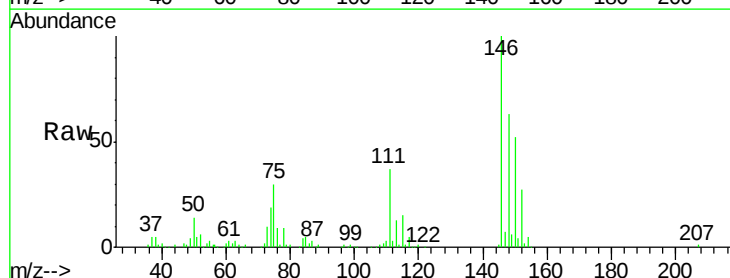
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#88
 1,4-Dichlorobenzene
 Concen: 19.169 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN061633.D
 Acq: 3 Jun 2020 13:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	18.9	56.9
148	64.9	31.8	95.3





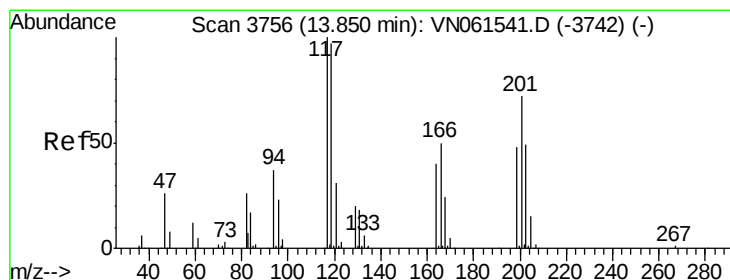
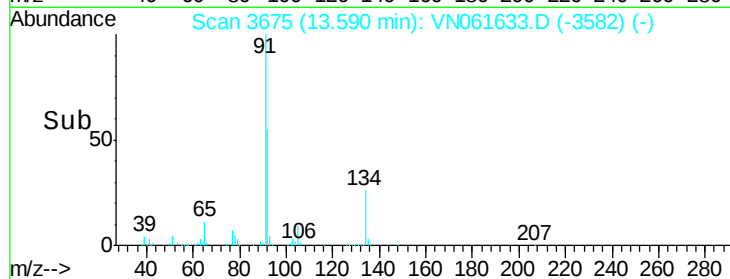
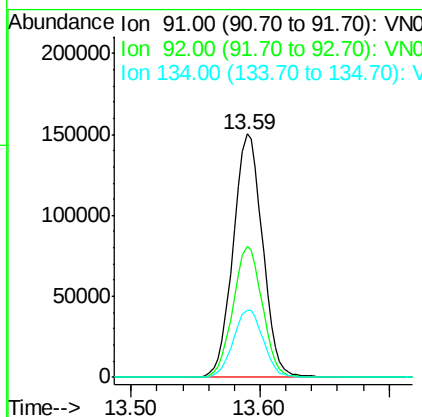
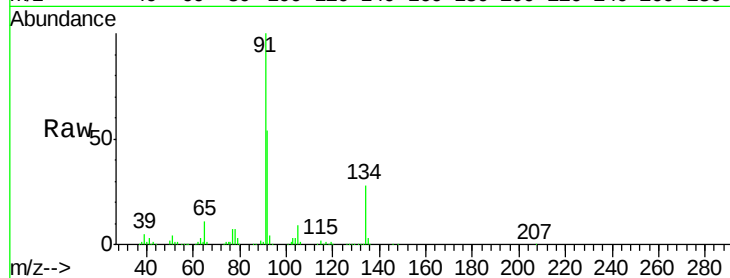
#89
n-Butylbenzene
Concen: 18.137 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN061633.D
Acq: 3 Jun 2020 13:06

Instrument :
MSVOA_N
ClientSampleId :
VN0603MBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.7	27.2	81.6
134	28.1	14.0	42.0

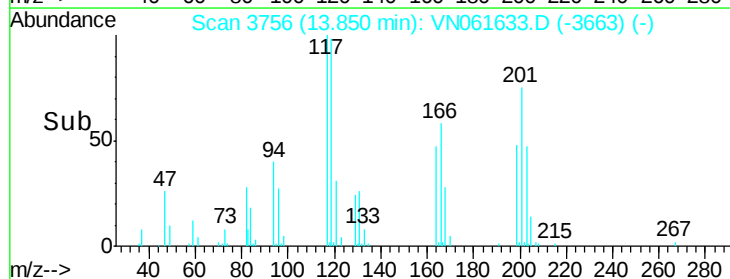
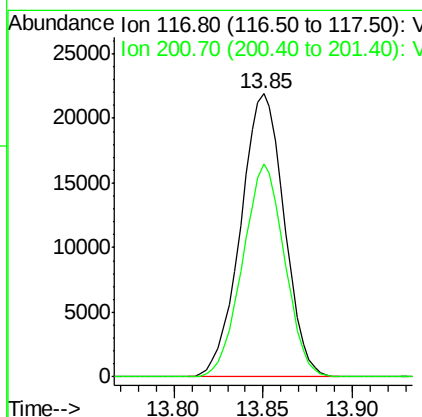
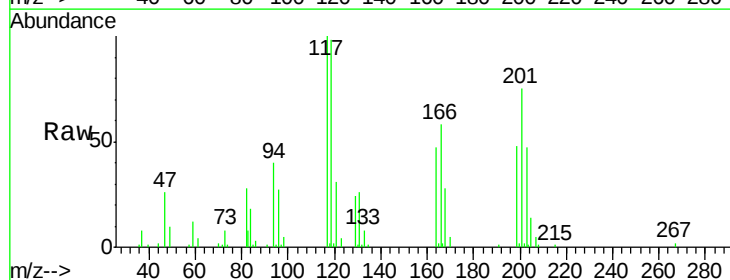
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#90
Hexachloroethane
Concen: 21.551 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. 0.00 min
Lab File: VN061633.D
Acq: 3 Jun 2020 13:06

Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.2	36.7	110.1





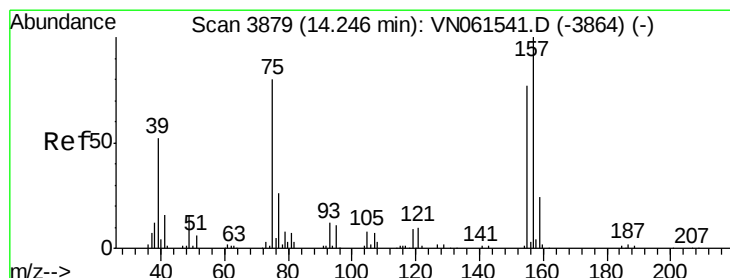
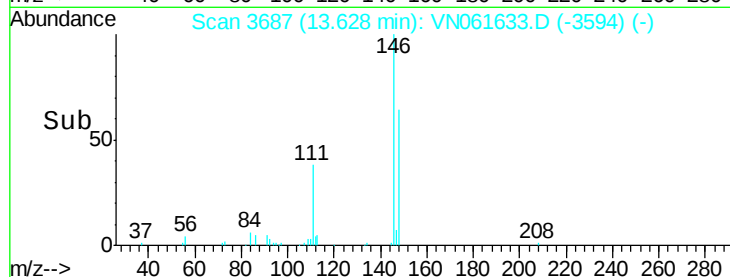
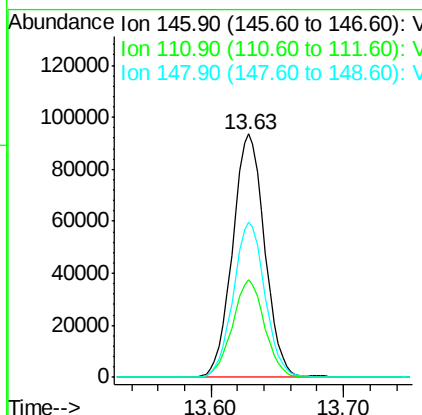
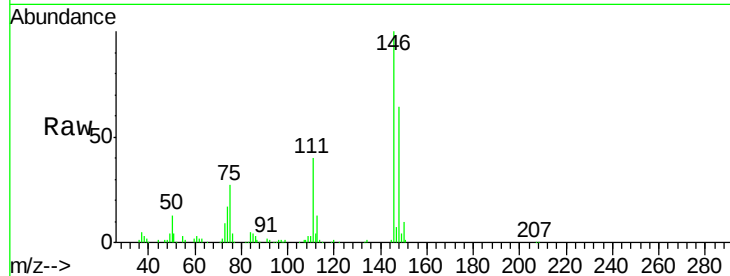
#91
 1,2-Dichlorobenzene
 Concen: 20.375 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN061633.D
 Acq: 3 Jun 2020 13:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0603MBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.1	60.2
148	62.9	31.9	95.5

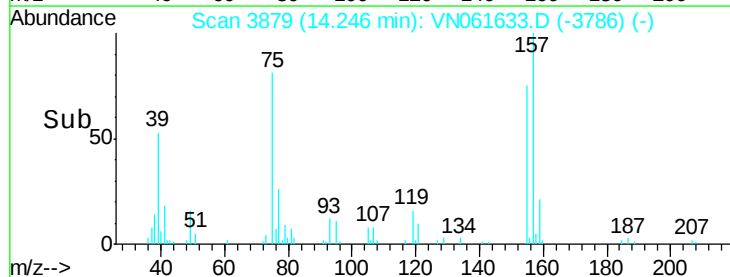
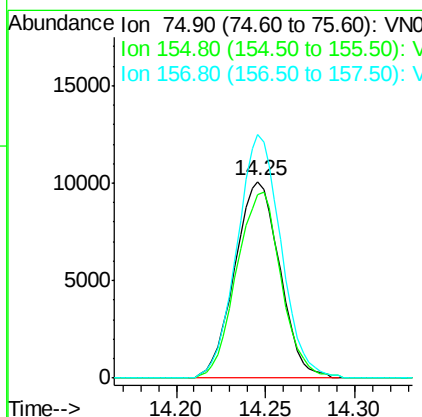
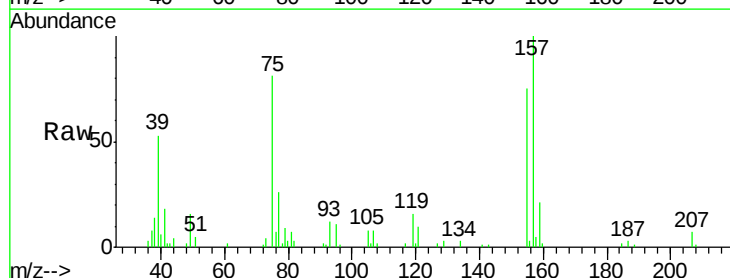
Manual Integrations
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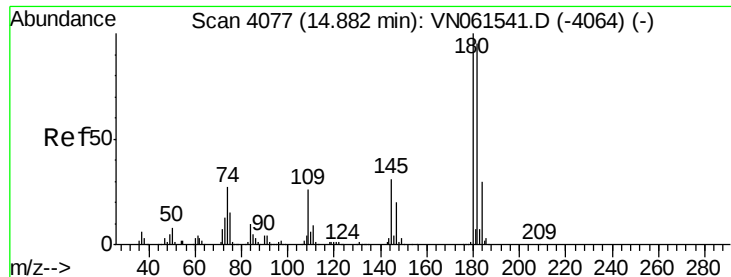
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.363 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN061633.D
 Acq: 3 Jun 2020 13:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.2	47.1	141.4
157	121.4	60.3	180.8





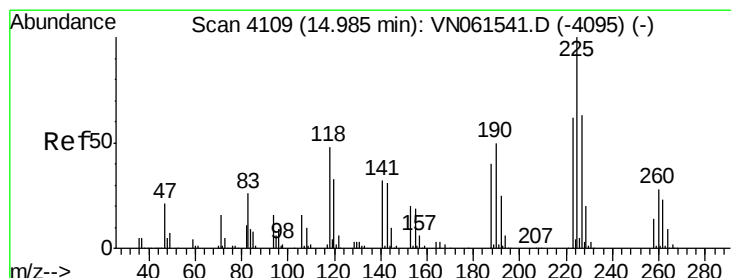
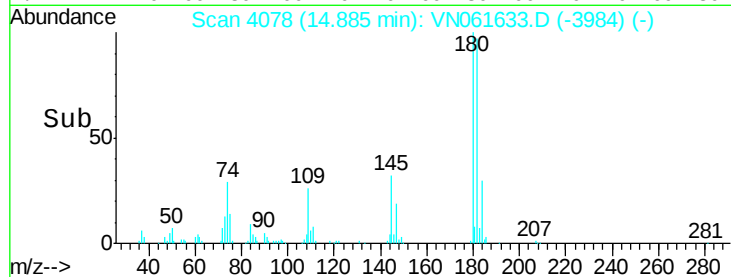
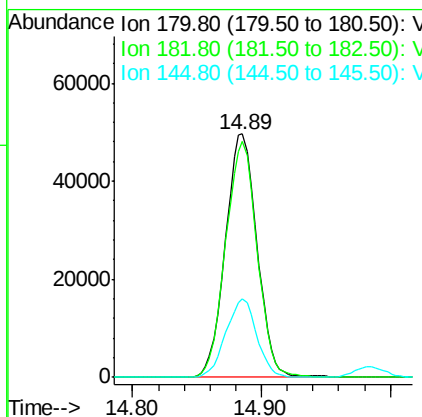
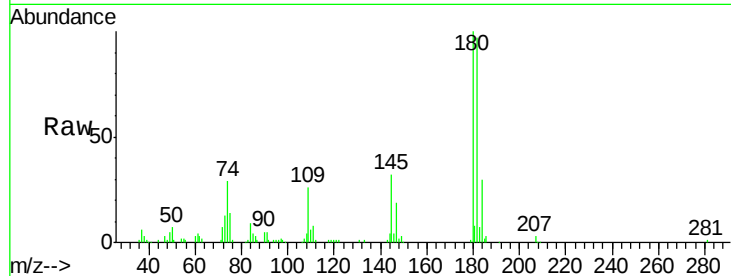
#93
 1,2,4-Trichlorobenzene
 Concen: 18.681 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN061633.D
 Acq: 3 Jun 2020 13:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0603MBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.8	143.3
145	31.6	15.5	46.5

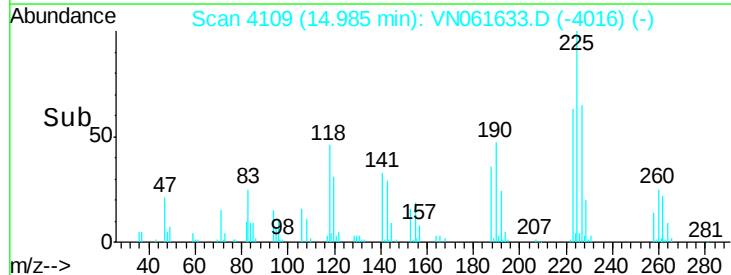
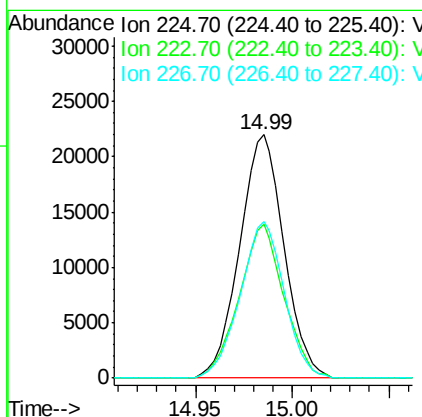
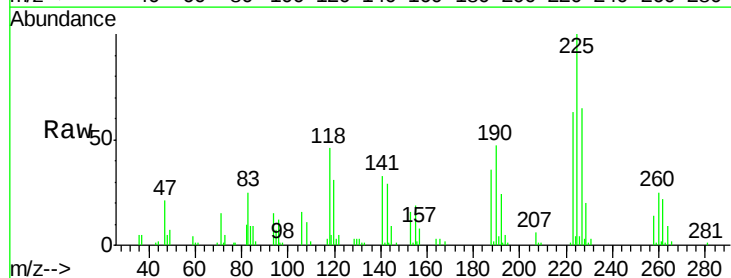
Manual Integrations
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#94
 Hexachlorobutadiene
 Concen: 18.188 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN061633.D
 Acq: 3 Jun 2020 13:06

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.6	31.9	95.5
227	63.8	31.9	95.9





#95

Naphthalene

Concen: 18.608 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN061633.D

Acq: 3 Jun 2020 13:06

Instrument :

MSVOA_N

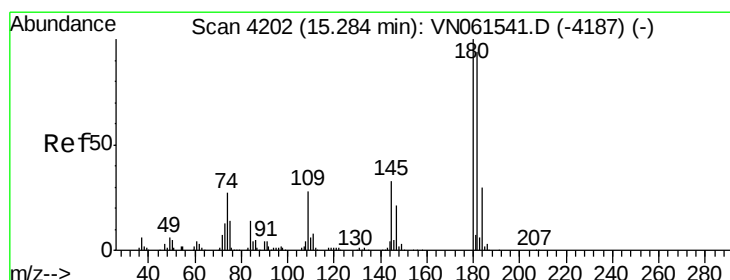
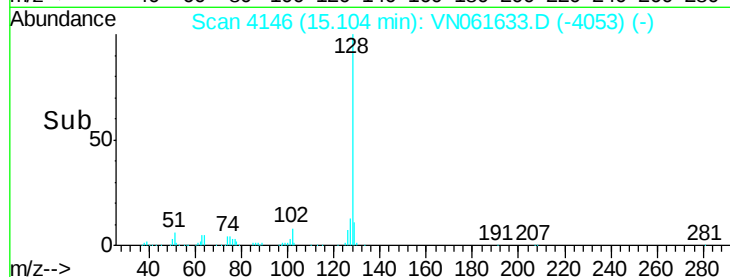
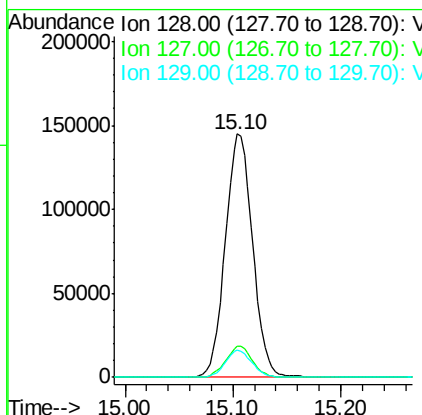
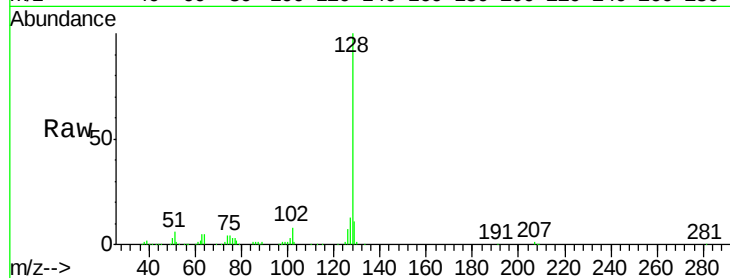
ClientSampleId :

VN0603MBSD01

Tot Ion:	128	Resp:	255975
Ion Ratio	Lower	Upper	
128	100		
127	12.5	10.0	15.0
129	10.9	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
6/4/2020 3:08:14 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.155 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. 0.00 min

Lab File: VN061633.D

Acq: 3 Jun 2020 13:06

Tgt Ion:	180	Resp:	85117
Ion Ratio	Lower	Upper	
180	100		
182	95.1	47.1	141.3
145	33.3	16.3	48.9

