

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080520\
 Data File : VN062755.D
 Acq On : 5 Aug 2020 11:51
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 8/6/2020 1:51:44 PM

Quant Time: Aug 05 12:52:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080520W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 12:39:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	149820	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	237922	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	228876	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	104918	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	46186	19.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.38%	
35) Dibromofluoromethane	7.55	113	30159	19.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.54%	
50) Toluene-d8	10.06	98	116595	18.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.40%	
62) 4-Bromofluorobenzene	12.38	95	42194	18.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	43979	23.343	ug/l	99
3) Chloromethane	2.03	50	36675	15.457	ug/l	97
4) Vinyl Chloride	2.16	62	37301	17.912	ug/l	98
5) Bromomethane	2.51	94	23251	23.506	ug/l	97
6) Chloroethane	2.66	64	23332	23.360	ug/l	97
7) Trichlorofluoromethane	2.97	101	63820	24.489	ug/l	97
8) Diethyl Ether	3.37	74	17500	15.615	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.71	101	26152	16.804	ug/l	99
10) Methyl Iodide	3.91	142	28917	14.760	ug/l	100
11) Tert butyl alcohol	4.75	59	38566	101.211	ug/l #	83
12) 1,1-Dichloroethene	3.69	96	24429	15.663	ug/l	89
13) Acrolein	3.57	56	20741	62.868	ug/l	99
14) Allyl chloride	4.27	41	44940	13.618	ug/l	98
15) Acrylonitrile	4.93	53	89725	91.224	ug/l	98
16) Acetone	3.78	43	84678	96.591	ug/l	96
17) Carbon Disulfide	4.00	76	69498	13.776	ug/l	98
18) Methyl Acetate	4.28	43	41734	18.789	ug/l #	78
19) Methyl tert-butyl Ether	5.00	73	108535	18.388	ug/l	100
20) Methylene Chloride	4.50	84	31495	15.397	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	27559	15.948	ug/l	98
22) Diisopropyl ether	5.91	45	108180	16.171	ug/l	95
23) Vinyl Acetate	5.84	43	377684	70.554	ug/l	99
24) 1,1-Dichloroethane	5.79	63	59258	16.345	ug/l	98
25) 2-Butanone	6.79	43	121154	91.526	ug/l	98
26) 2,2-Dichloropropane	6.77	77	54213	17.865	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	32252	16.261	ug/l	99
28) Bromochloromethane	7.15	49	30207	17.073	ug/l	99
29) Tetrahydrofuran	7.17	42	77708	87.149	ug/l	98
30) Chloroform	7.33	83	63778	18.164	ug/l	97
31) Cyclohexane	7.62	56	55060	16.403	ug/l	94
32) 1,1,1-Trichloroethane	7.53	97	57269	19.253	ug/l	98
36) 1,1-Dichloropropene	7.75	75	41110	16.479	ug/l	98
37) Ethyl Acetate	6.89	43	45628	17.110	ug/l	99
38) Carbon Tetrachloride	7.73	117	50160	20.432	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	50748	18.587	ug/l	99
40) Benzene	8.00	78	125435	16.722	ug/l	97
41) Methacrylonitrile	7.13	41	18021	15.224	ug/l #	68
42) 1,2-Dichloroethane	8.09	62	54978	19.528	ug/l	99
43) Isopropyl Acetate	8.13	43	73419	17.055	ug/l #	91
44) Trichloroethene	8.80	130	30665	17.944	ug/l	93
45) 1,2-Dichloropropane	9.08	63	34884	16.572	ug/l	98
46) Dibromomethane	9.18	93	22609	18.274	ug/l	95
47) Bromodichloromethane	9.37	83	52524	19.367	ug/l	95
48) Methyl methacrylate	9.17	41	36551	17.699	ug/l	97
49) 1,4-Dioxane	9.17	88	13902	420.691	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	253905	96.842	ug/l	99
52) Toluene	10.13	92	78586	17.851	ug/l	98
53) t-1,3-Dichloropropene	10.36	75	55685	18.576	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	57822	18.234	ug/l	98
55) 1,1,2-Trichloroethane	10.54	97	33988	19.698	ug/l	99
56) Ethyl methacrylate	10.40	69	50538	18.361	ug/l	95
57) 1,3-Dichloropropane	10.68	76	58450	18.588	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.67	63	71453	92.091	ug/l	99
59) 2-Hexanone	10.72	43	185764	99.108	ug/l	100
60) Dibromochloromethane	10.87	129	39318	20.241	ug/l	99
61) 1,2-Dibromoethane	10.98	107	33199	18.535	ug/l	97
64) Tetrachloroethene	10.60	164	26743	18.004	ug/l	95
65) Chlorobenzene	11.41	112	85994	17.963	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	35599	19.466	ug/l	99
67) Ethyl Benzene	11.49	91	154903	17.659	ug/l	99
68) m/p-Xylenes	11.60	106	114175	36.122	ug/l	99
69) o-Xylene	11.92	106	53841	17.905	ug/l	98
70) Styrene	11.94	104	96537	18.930	ug/l	99
71) Bromoform	12.10	173	28239	20.323	ug/l #	99
73) Isopropylbenzene	12.23	105	154313	18.681	ug/l	99
74) N-amyl acetate	12.05	43	63200	17.522	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	53564	18.725	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	53124m	19.801	ug/l	
77) Bromobenzene	12.50	156	37616	18.913	ug/l	97
78) n-propylbenzene	12.57	91	177830	18.415	ug/l	100
79) 2-Chlorotoluene	12.65	91	111101	18.622	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	132491	19.248	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.28	75	17911	18.666	ug/l	97
82) 4-Chlorotoluene	12.75	91	113568	18.275	ug/l	98
83) tert-Butylbenzene	12.97	119	112152	19.589	ug/l	98
84) 1,2,4-Trimethylbenzene	13.02	105	126139	18.672	ug/l	97
85) sec-Butylbenzene	13.15	105	147265	19.222	ug/l	99
86) p-Isopropyltoluene	13.26	119	128680	19.415	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	65082	18.503	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	64650	18.742	ug/l	99
89) n-Butylbenzene	13.59	91	101082	17.819	ug/l	97
90) Hexachloroethane	13.85	117	26420	18.715	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	61895	18.514	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.25	75	11379	21.113	ug/l	97

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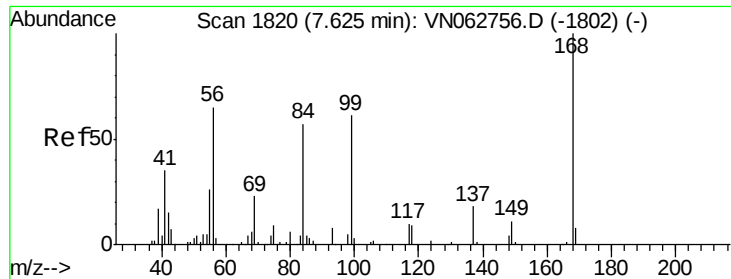
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	27924	18.018	ug/l	95
94) Hexachlorobutadiene	14.99	225	20626	20.203	ug/l	97
95) Naphthalene	15.11	128	72380	16.931	ug/l	98
96) 1,2,3-Trichlorobenzene	15.28	180	28018	17.736	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: VN062755.D

Acq: 5 Aug 2020 11:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 149820

Ion Ratio Lower Upper

168 100

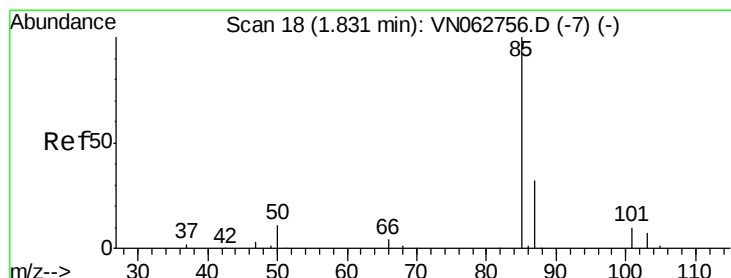
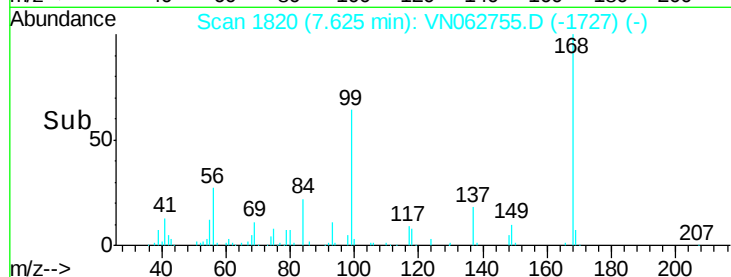
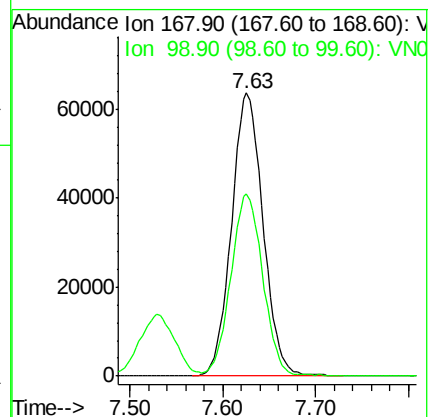
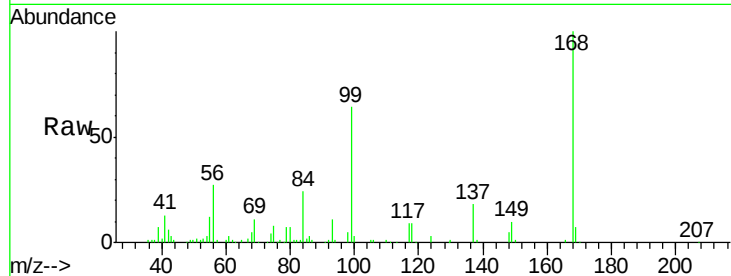
99 64.2 52.9 79.3

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 23.343 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN062755.D

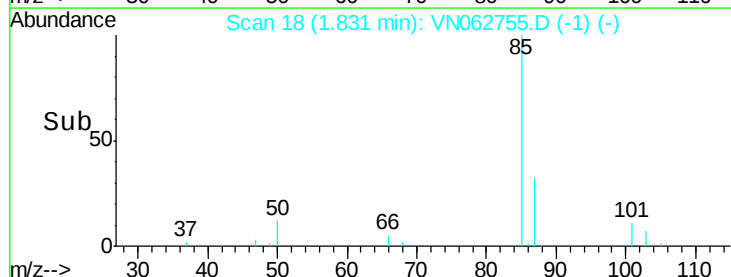
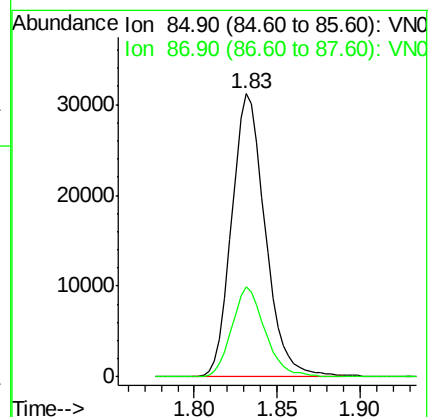
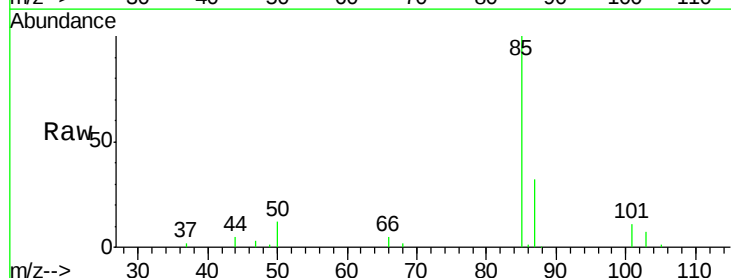
Acq: 5 Aug 2020 11:51

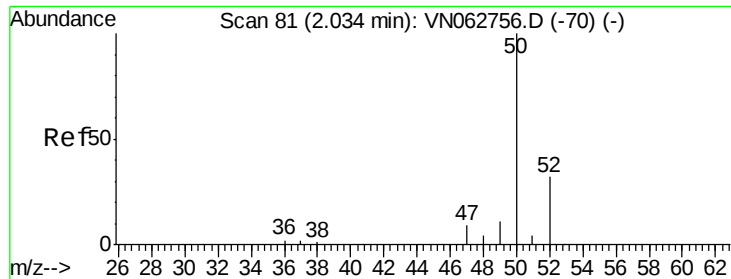
Tgt Ion: 85 Resp: 43979

Ion Ratio Lower Upper

85 100

87 31.6 16.2 48.6





#3

Chloromethane

Concen: 15.457 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN062755.D

Acq: 5 Aug 2020 11:51

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 50 Resp: 36675

Ion Ratio Lower Upper

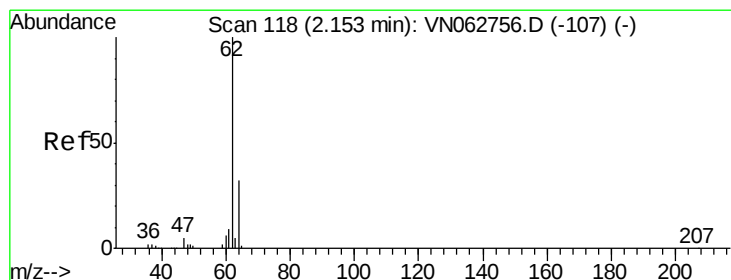
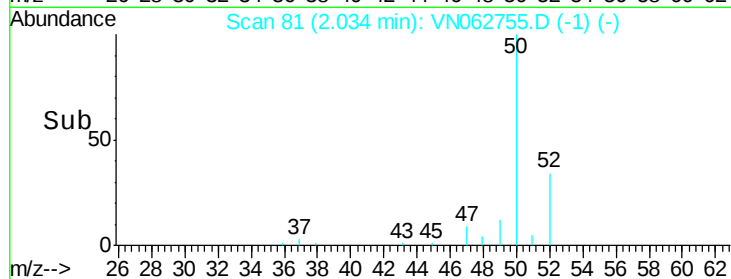
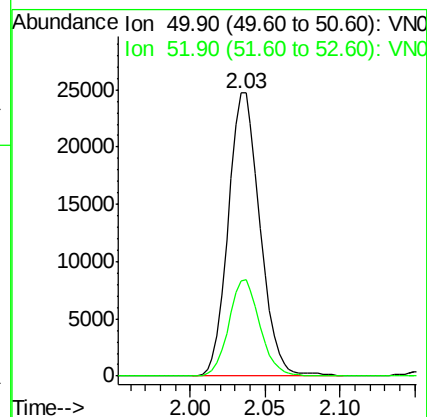
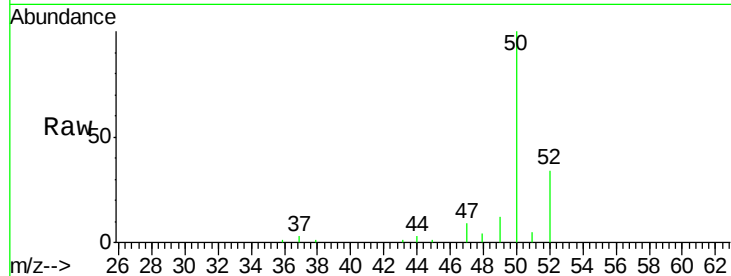
50 100

52 33.8 25.6 38.4

Manual Integrations
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#4

Vinyl Chloride

Concen: 17.912 ug/l

RT: 2.16 min Scan# 119

Delta R.T. 0.00 min

Lab File: VN062755.D

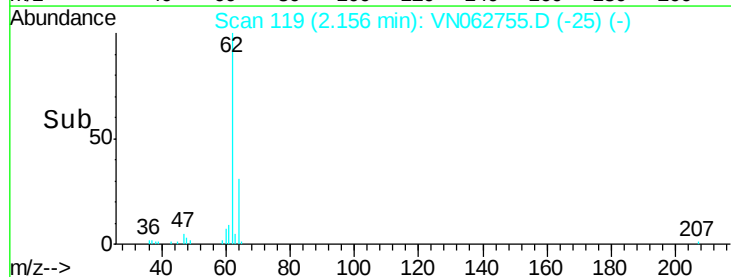
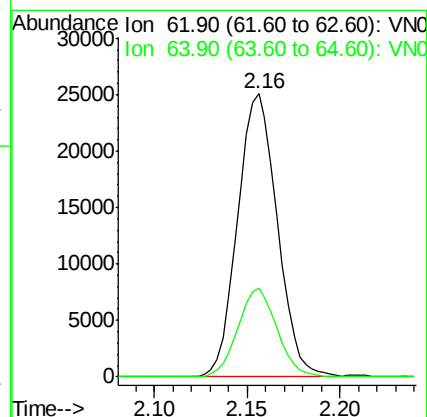
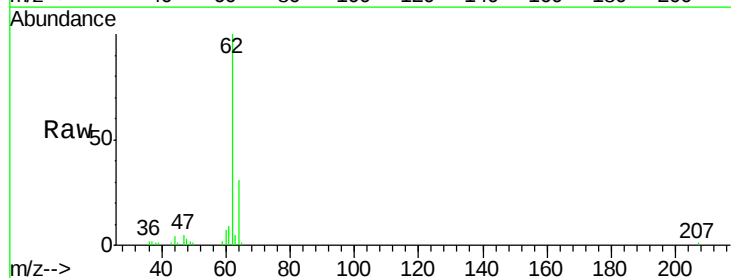
Acq: 5 Aug 2020 11:51

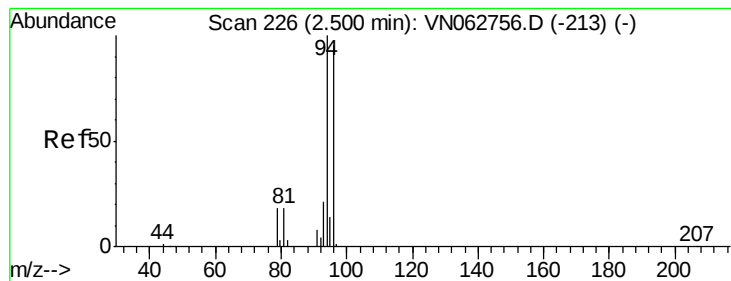
Tgt Ion: 62 Resp: 37301

Ion Ratio Lower Upper

62 100

64 31.2 25.8 38.8





#5

Bromomethane

Concen: 23.506 ug/l

RT: 2.51 min Scan# 230

Delta R.T. 0.01 min

Lab File: VN062755.D

Acq: 5 Aug 2020 11:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 23251

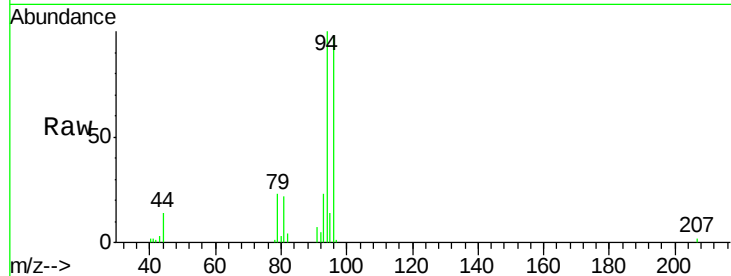
Ion Ratio Lower Upper

94 100

96 97.8 76.2 114.4

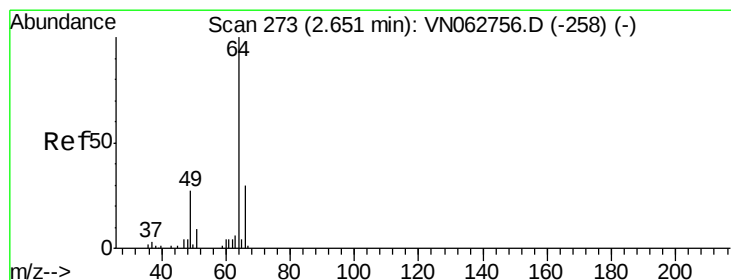
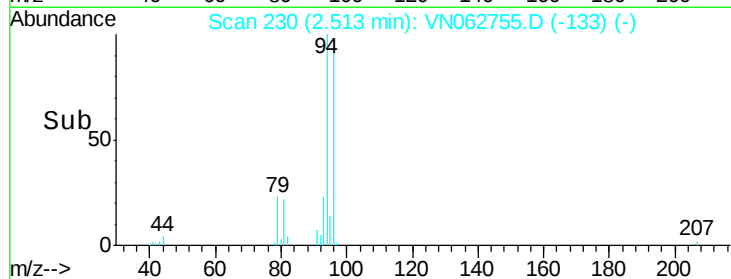
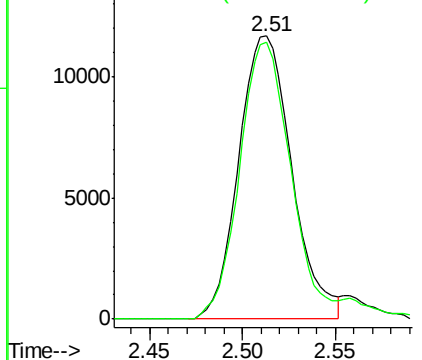
Manual Integrations
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 23.360 ug/l

RT: 2.66 min Scan# 275

Delta R.T. 0.01 min

Lab File: VN062755.D

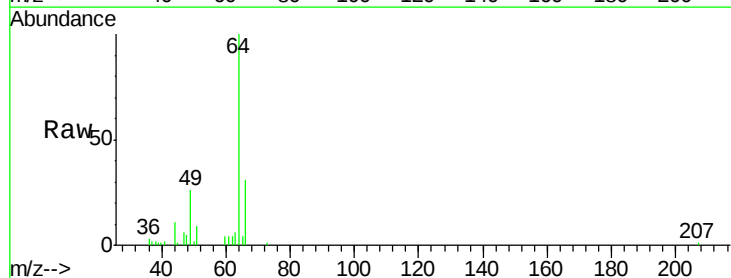
Acq: 5 Aug 2020 11:51

Tgt Ion: 64 Resp: 23332

Ion Ratio Lower Upper

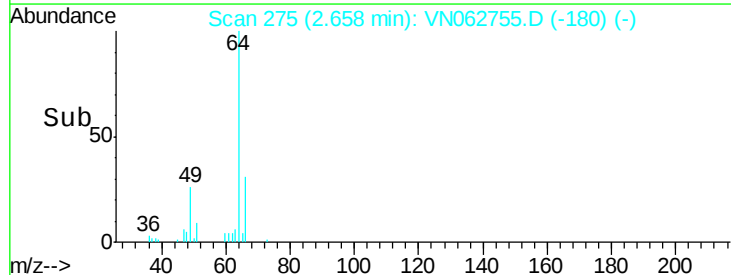
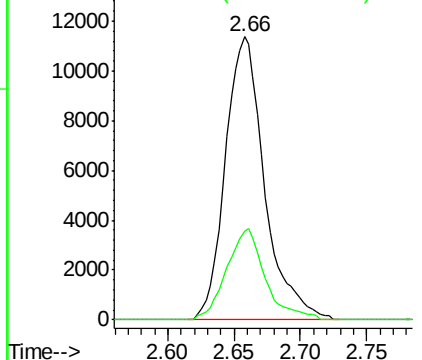
64 100

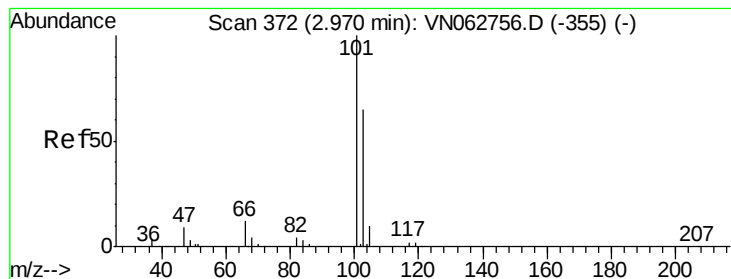
66 31.4 24.0 36.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

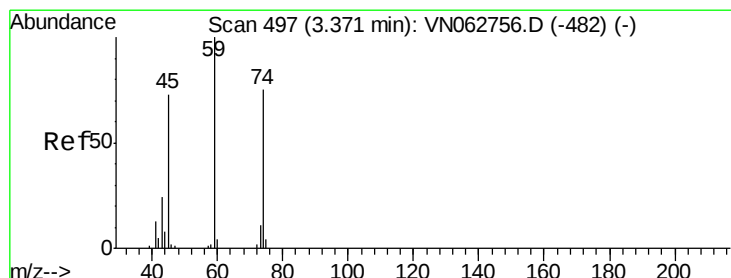
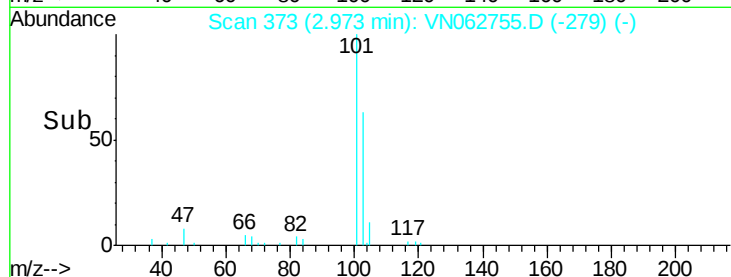
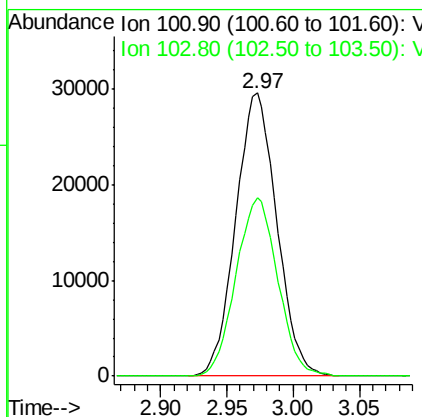
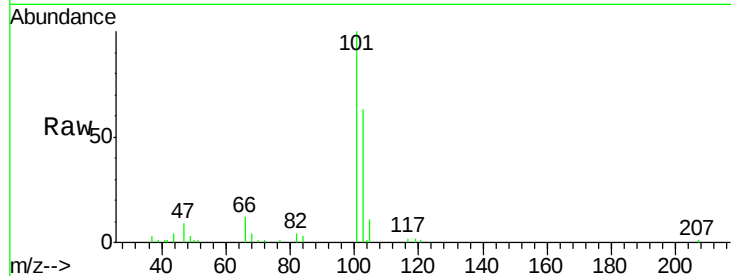
Trichlorofluoromethane
 Concen: 24.489 ug/l
 RT: 2.97 min Scan# 373
 Delta R.T. 0.00 min
 Lab File: VN062755.D
 Acq: 5 Aug 2020 11:51

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.0	52.3	78.5

Manual Integrations
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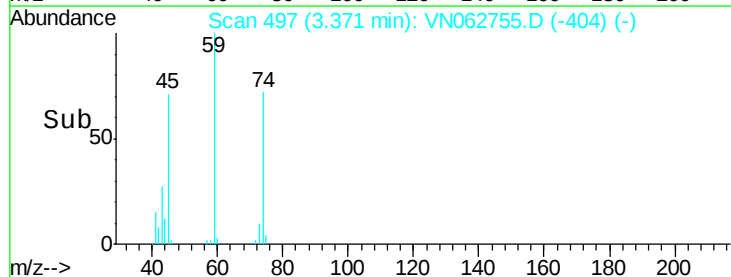
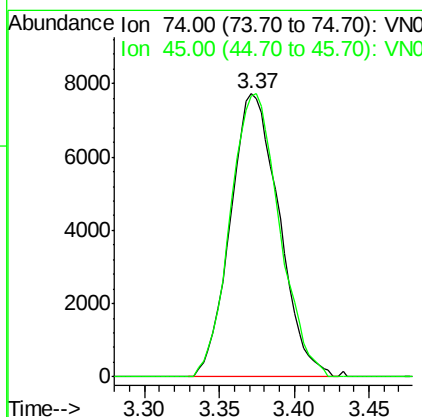
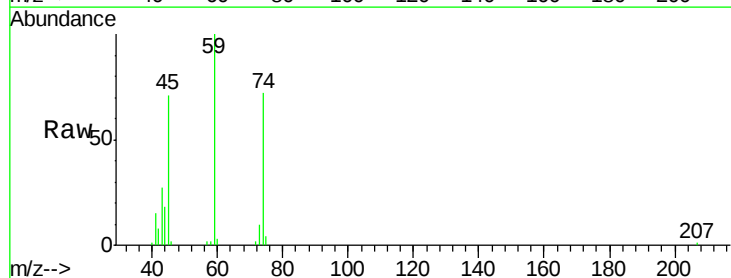
MMDadoda
 8/6/2020 1:51:44 PM

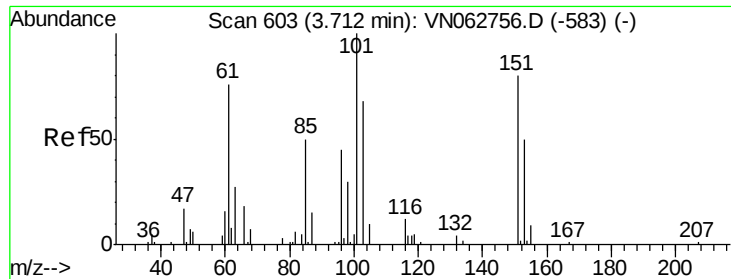


#8

Diethyl Ether
 Concen: 15.615 ug/l
 RT: 3.37 min Scan# 497
 Delta R.T. -0.00 min
 Lab File: VN062755.D
 Acq: 5 Aug 2020 11:51

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.1	48.7	146.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.804 ug/l

RT: 3.71 min Scan# 601

Delta R.T. -0.01 min

Lab File: VN062755.D

Acq: 5 Aug 2020 11:51

Instrument :

MSVOA_N

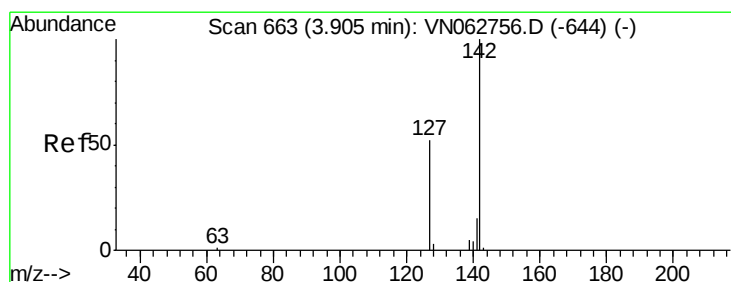
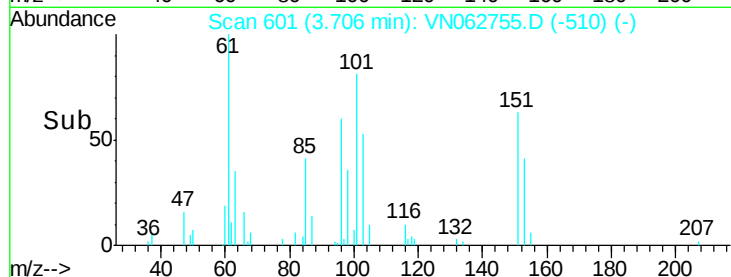
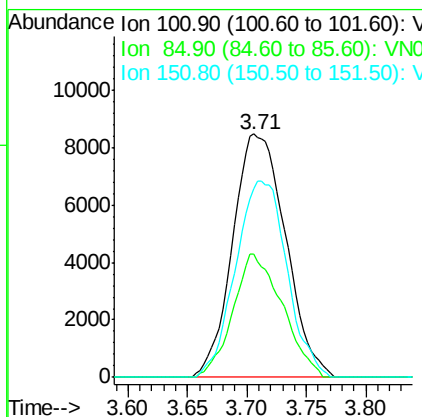
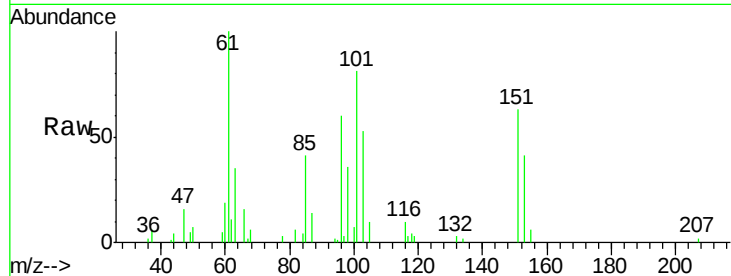
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	26152
Ion Ratio	Lower	Upper	
101	100		
85	47.3	38.5	57.7
151	78.3	63.0	94.6

Manual Integrations
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#10

Methyl Iodide

Concen: 14.760 ug/l

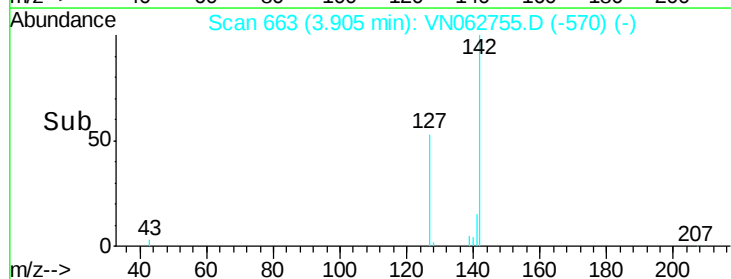
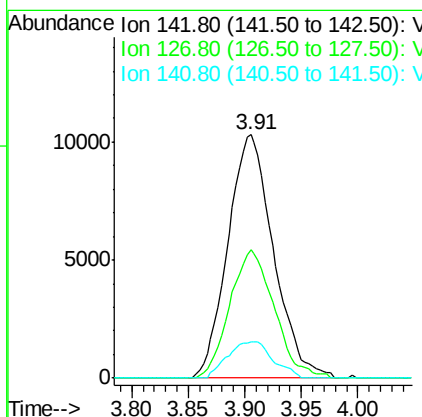
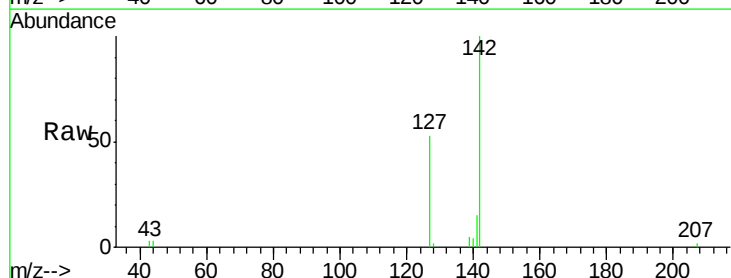
RT: 3.91 min Scan# 663

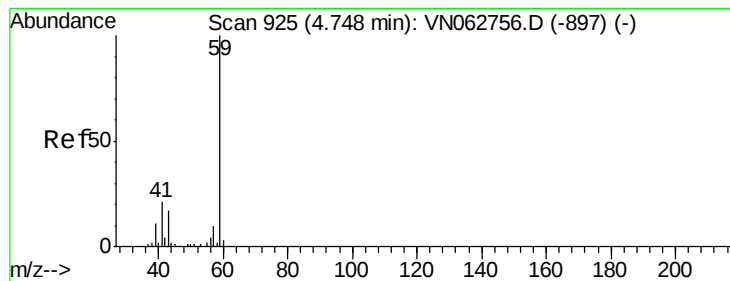
Delta R.T. -0.00 min

Lab File: VN062755.D

Acq: 5 Aug 2020 11:51

Tgt Ion:	142	Resp:	28917
Ion Ratio	Lower	Upper	
142	100		
127	51.5	41.4	62.0
141	14.8	12.2	18.4





#11

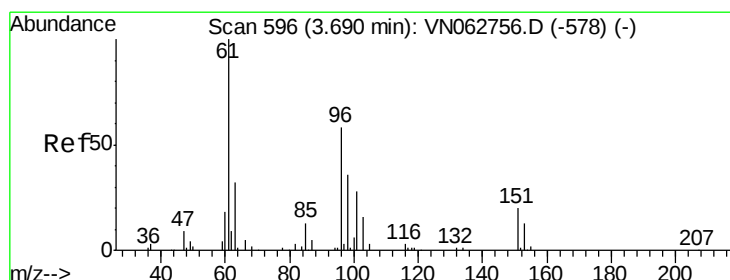
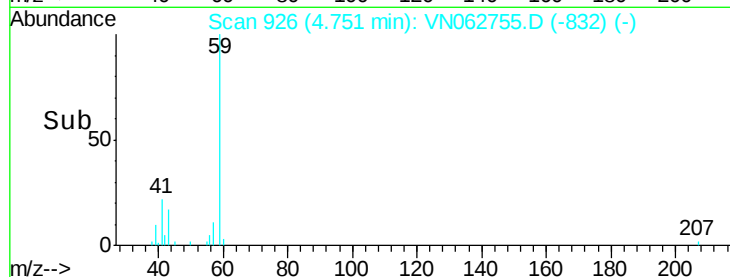
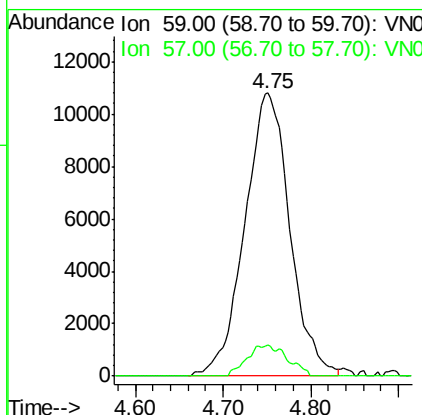
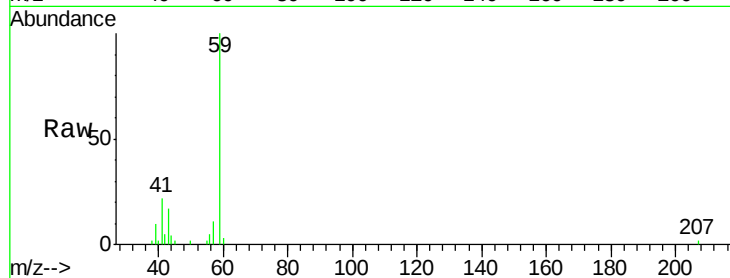
Tert butyl alcohol
Concen: 101.211 ug/l
RT: 4.75 min Scan# 926
Delta R.T. 0.00 min
Lab File: VN062755.D
Acq: 5 Aug 2020 11:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
59	100	38566		
57	4.1		8.3	12.5#

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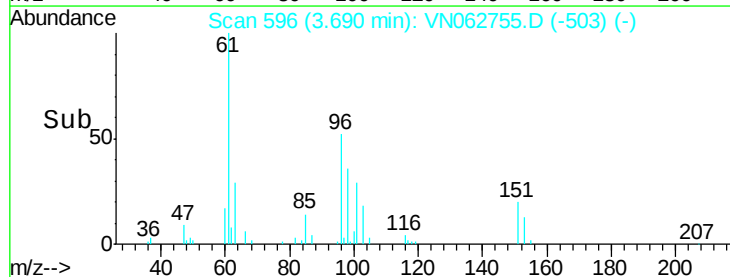
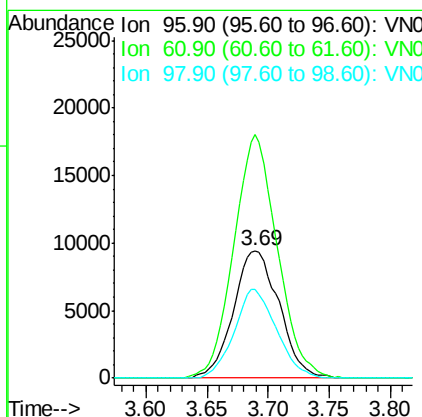
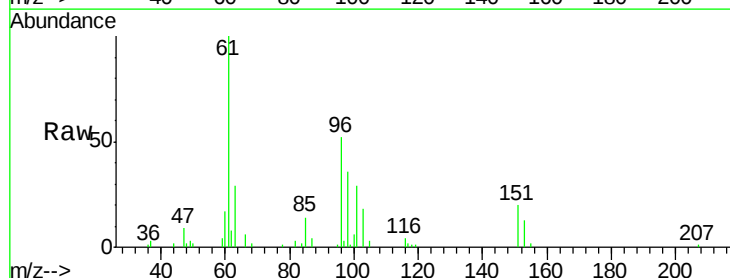
MMDadoda
8/6/2020 1:51:44 PM

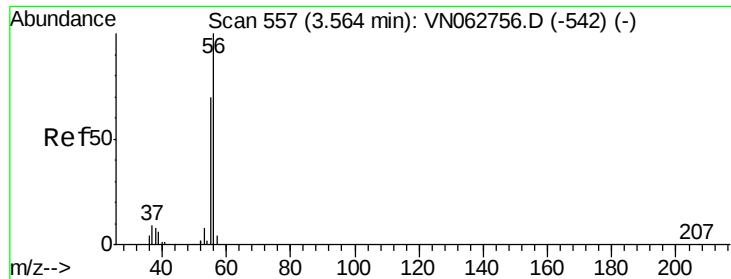


#12

1,1-Dichloroethene
Concen: 15.663 ug/l
RT: 3.69 min Scan# 596
Delta R.T. -0.00 min
Lab File: VN062755.D
Acq: 5 Aug 2020 11:51

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	24429		
61	189.6		139.0	208.6
98	69.4		50.2	75.4





#13

Acrolein

Concen: 62.868 ug/l

RT: 3.57 min Scan# 558

Delta R.T. 0.00 min

Lab File: VN062755.D

Acq: 5 Aug 2020 11:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 20741

Ion Ratio Lower Upper

56 100

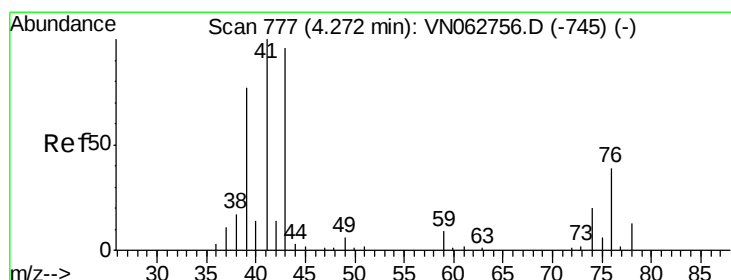
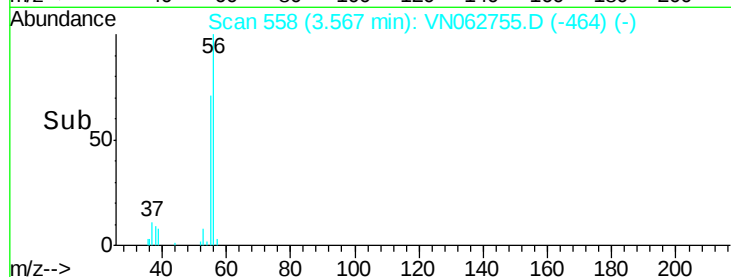
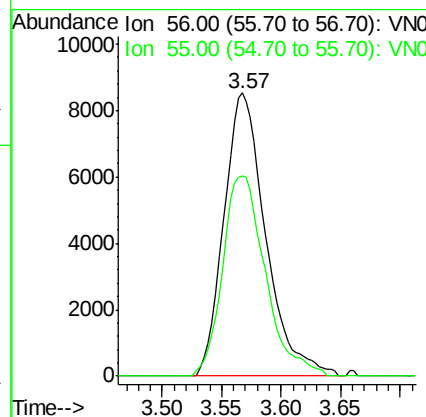
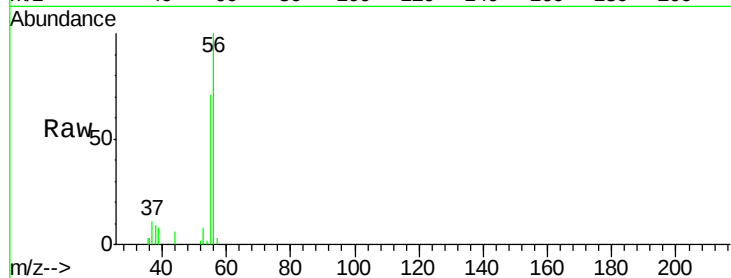
55 72.4 57.0 85.6

Manual Integrations

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#14

Allyl chloride

Concen: 13.618 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.00 min

Lab File: VN062755.D

Acq: 5 Aug 2020 11:51

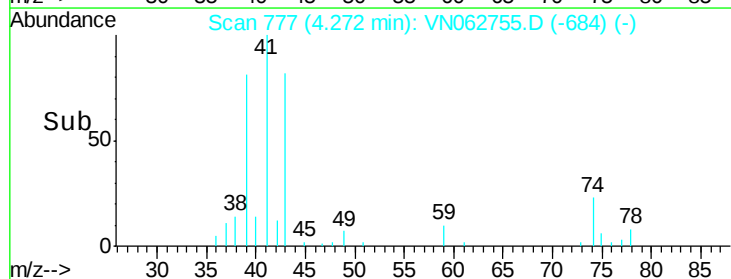
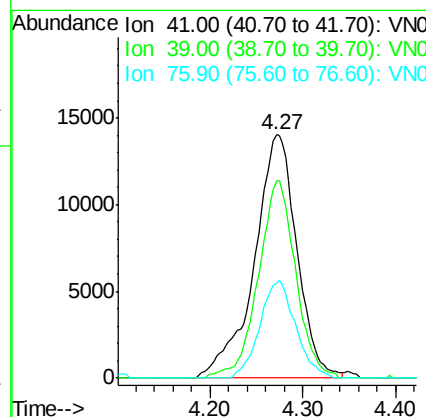
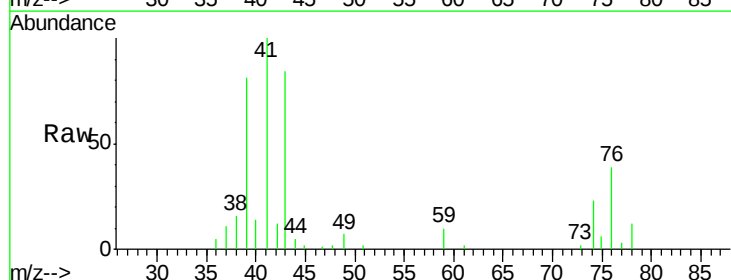
Tgt Ion: 41 Resp: 44940

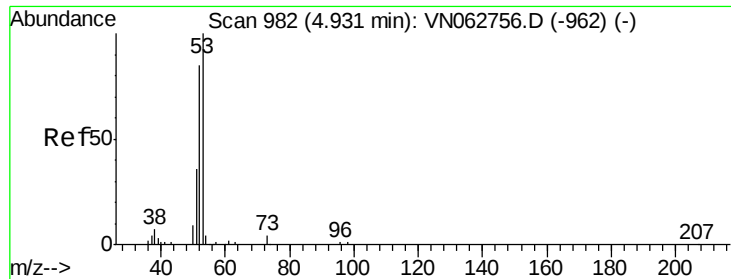
Ion Ratio Lower Upper

41 100

39 71.1 55.7 83.5

76 33.7 27.5 41.3





#15

Acrylonitrile

Concen: 91.224 ug/l

RT: 4.93 min Scan# 983

Delta R.T. 0.00 min

Lab File: VN062755.D

Acq: 5 Aug 2020 11:51

Instrument :

MSVOA_N

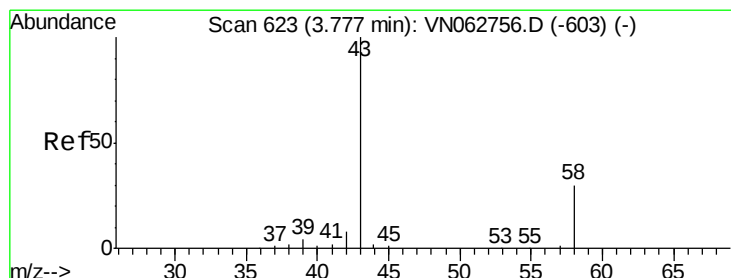
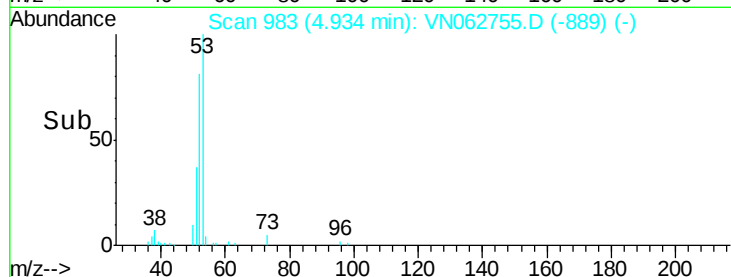
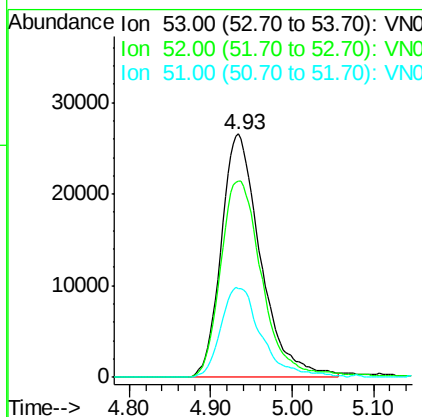
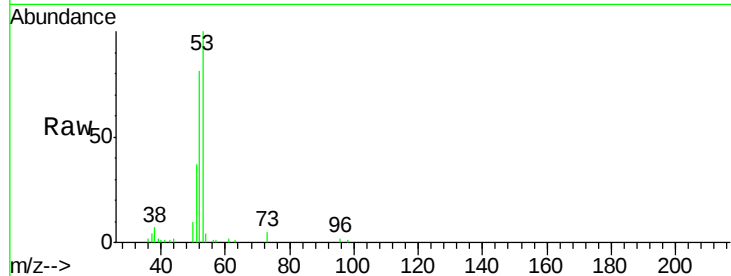
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	89725
Ion	Ratio	Lower	Upper
53	100		
52	84.7	66.8	100.2
51	38.1	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 96.591 ug/l

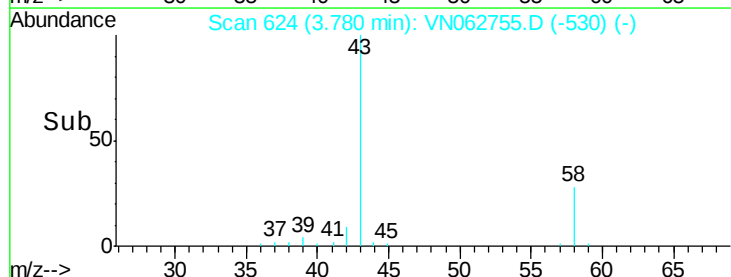
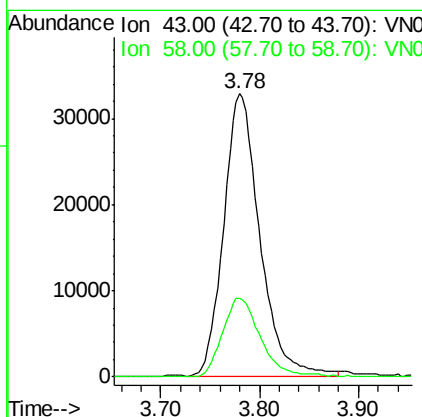
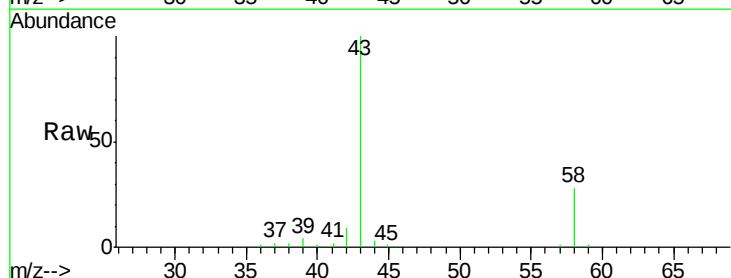
RT: 3.78 min Scan# 624

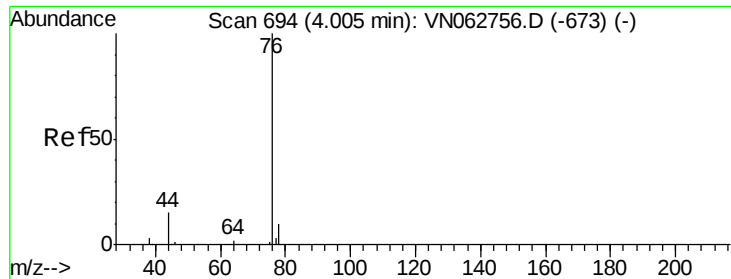
Delta R.T. 0.00 min

Lab File: VN062755.D

Acq: 5 Aug 2020 11:51

Tgt Ion:	43	Resp:	84678
Ion	Ratio	Lower	Upper
43	100		
58	27.9	24.1	36.1





#17

Carbon Disulfide

Concen: 13.776 ug/l

RT: 4.00 min Scan# 693

Delta R.T. -0.00 min

Lab File: VN062755.D

Acq: 5 Aug 2020 11:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 69498

Ion Ratio Lower Upper

76 100

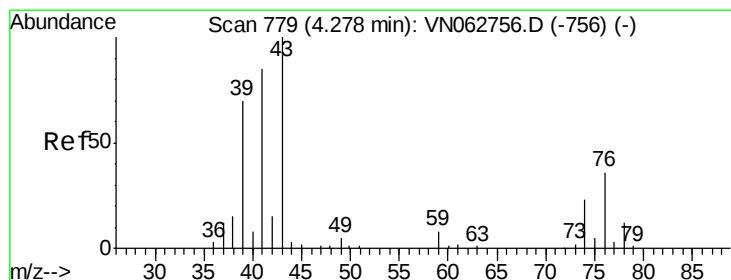
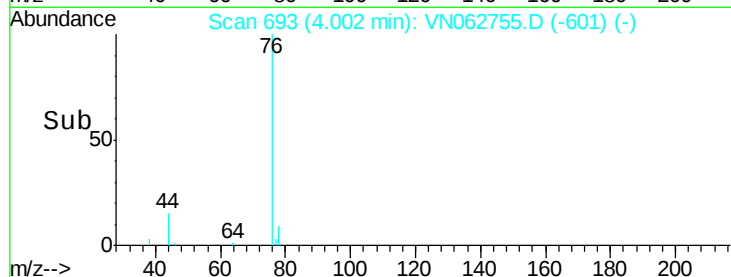
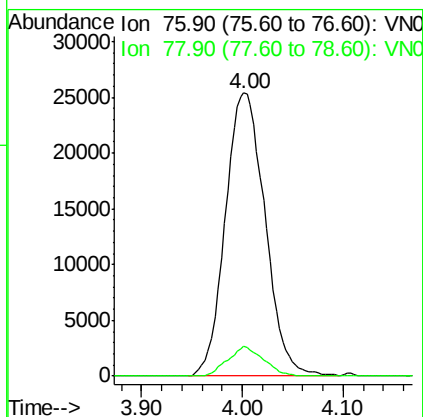
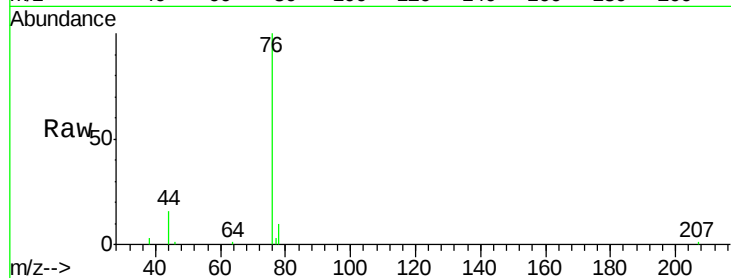
78 10.4 7.7 11.5

Manual Integrations

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#18

Methyl Acetate

Concen: 18.789 ug/l

RT: 4.28 min Scan# 780

Delta R.T. 0.00 min

Lab File: VN062755.D

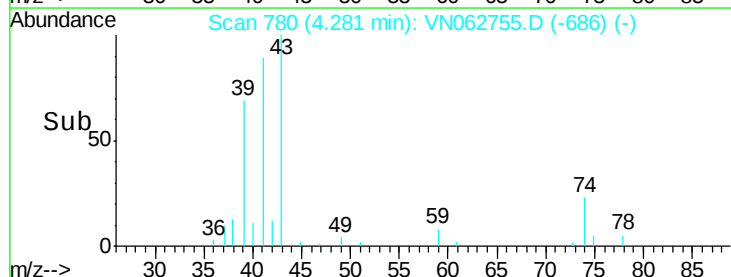
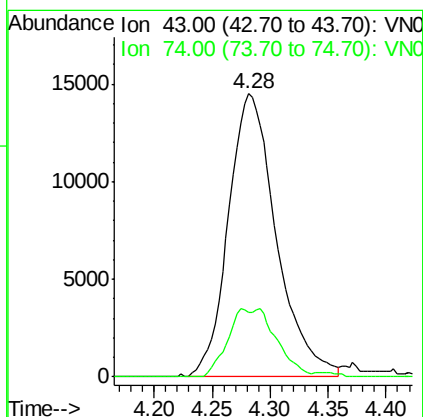
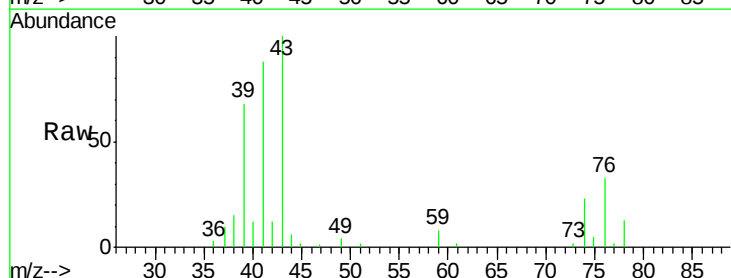
Acq: 5 Aug 2020 11:51

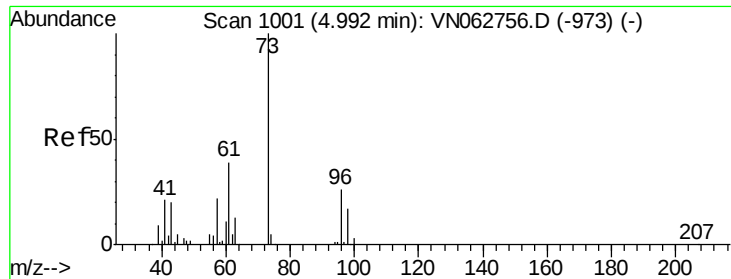
Tgt Ion: 43 Resp: 41734

Ion Ratio Lower Upper

43 100

74 12.4 18.6 28.0#





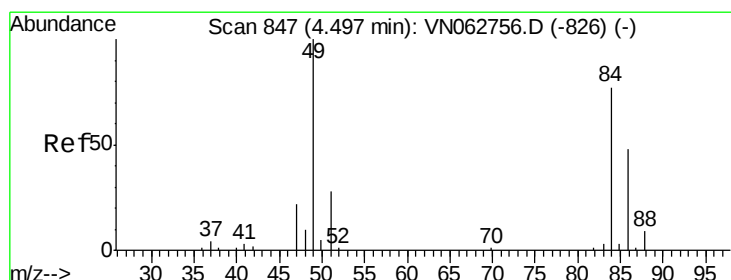
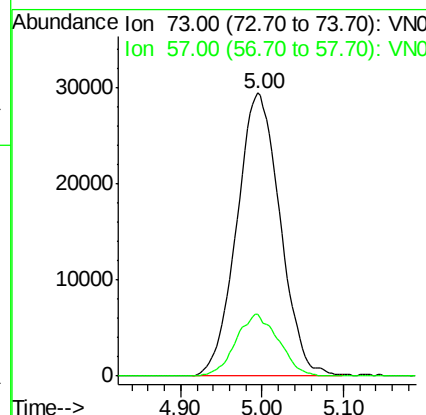
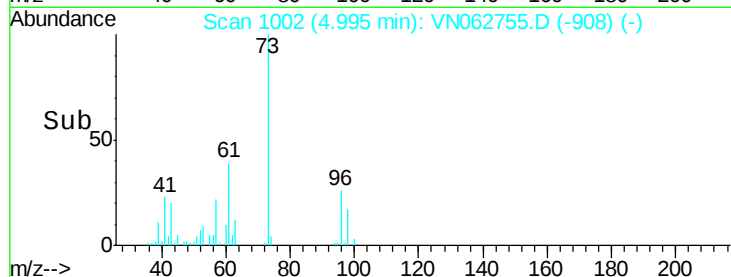
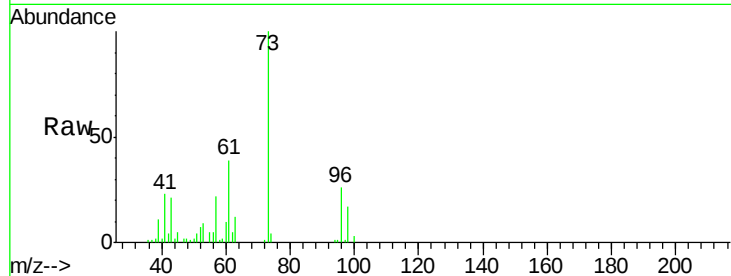
#19
Methvl tert-butvl Ether
Concen: 18.388 ug/l
RT: 5.00 min Scan# 1002
Delta R.T. 0.00 min
Lab File: VN062755.D
Acq: 5 Aug 2020 11:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 73 Resp: 108535
Ion Ratio Lower Upper
73 100
57 21.8 17.5 26.3

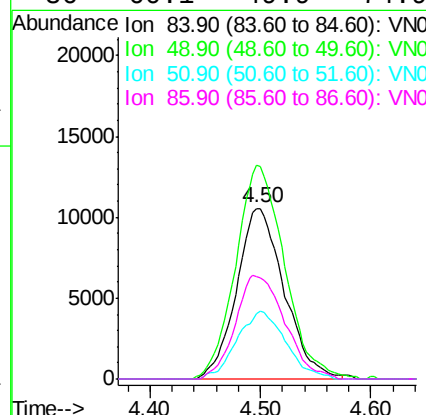
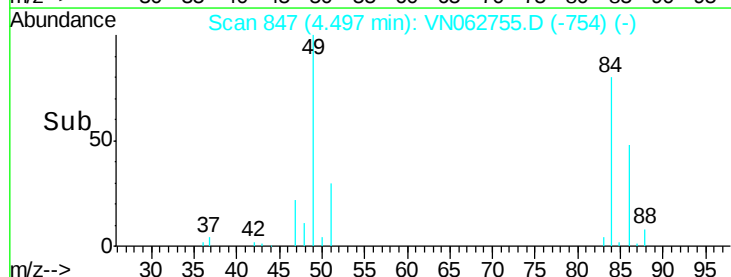
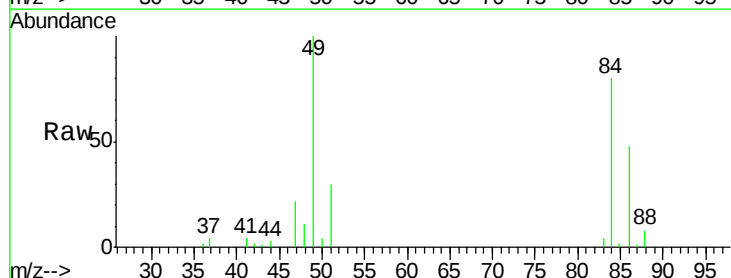
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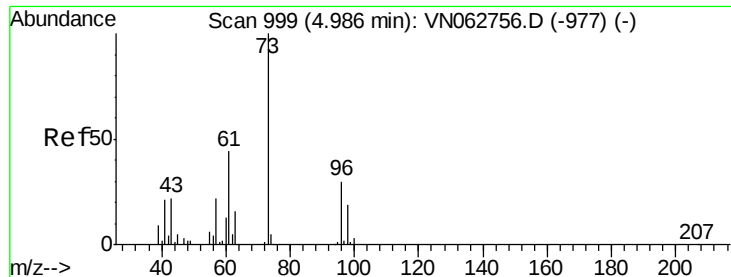
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#20
Methylene Chloride
Concen: 15.397 ug/l
RT: 4.50 min Scan# 847
Delta R.T. -0.00 min
Lab File: VN062755.D
Acq: 5 Aug 2020 11:51

Tgt Ion: 84 Resp: 31495
Ion Ratio Lower Upper
84 100
49 125.0 103.4 155.2
51 38.1 29.3 43.9
86 60.1 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 15.948 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN062755.D

Acq: 5 Aug 2020 11:51

Instrument :

MSVOA_N

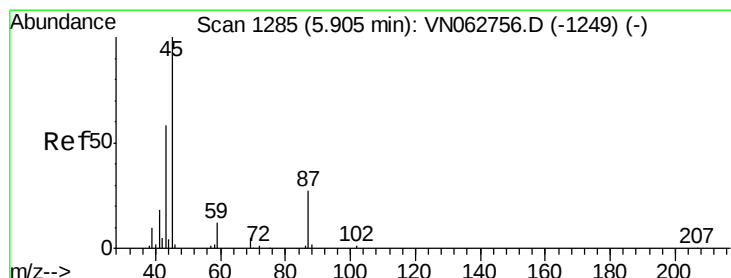
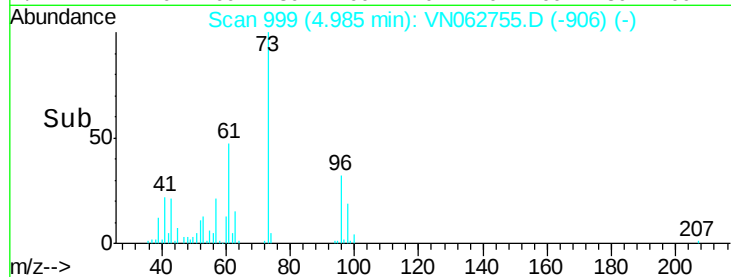
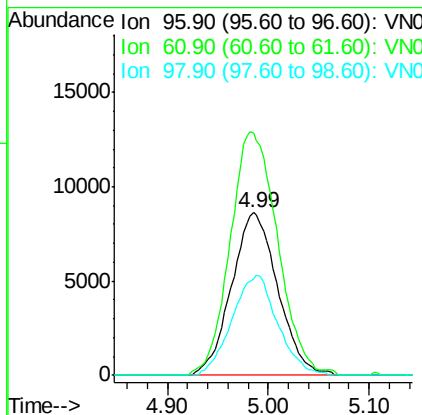
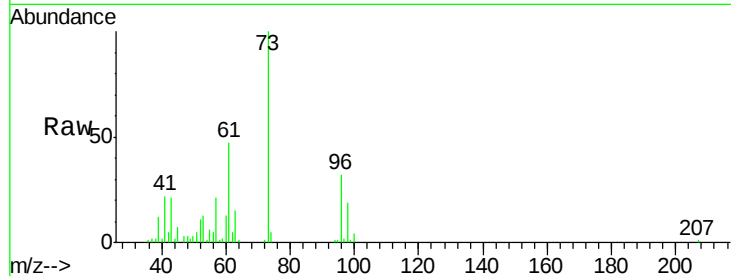
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	27559
Ion	Ratio	Lower	Upper
96	100		
61	148.5	118.8	178.2
98	59.1	51.0	76.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 16.171 ug/l

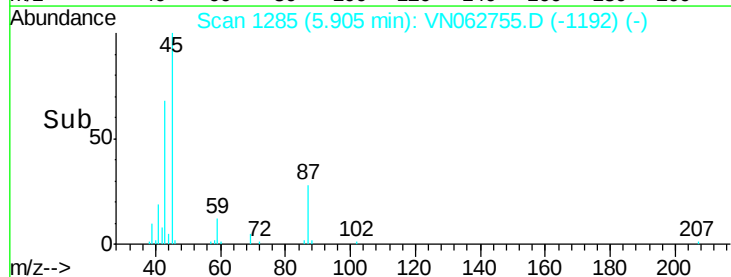
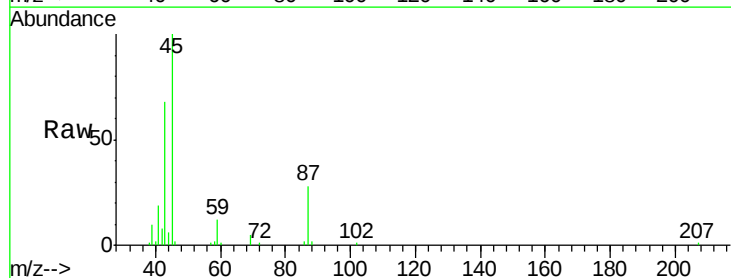
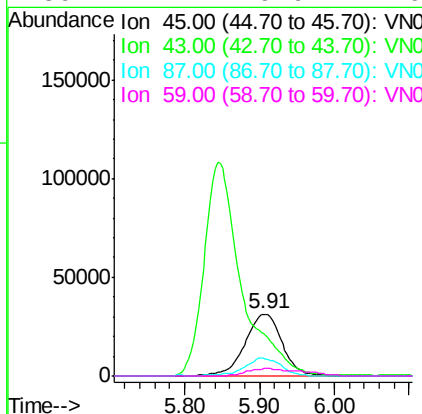
RT: 5.91 min Scan# 1285

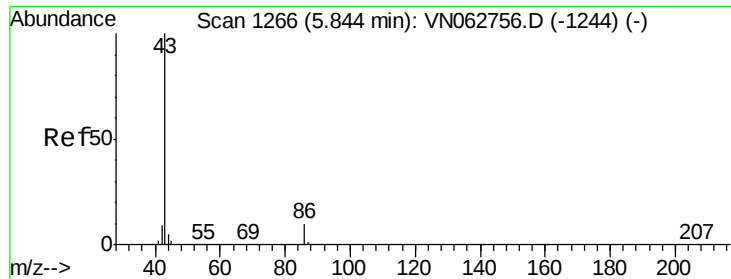
Delta R.T. -0.00 min

Lab File: VN062755.D

Acq: 5 Aug 2020 11:51

Tgt Ion:	45	Resp:	108180
Ion	Ratio	Lower	Upper
45	100		
43	65.7	47.4	71.2
87	28.2	22.8	34.2
59	11.7	9.9	14.9





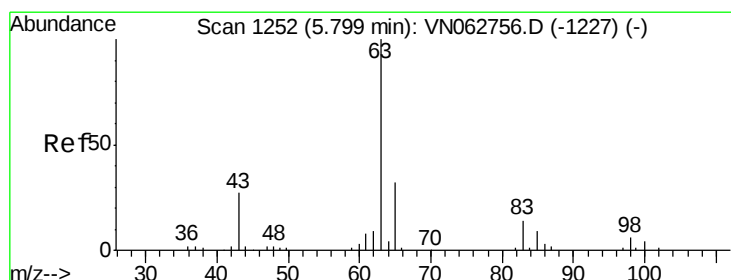
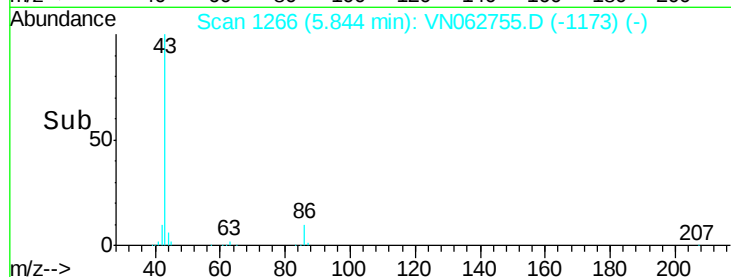
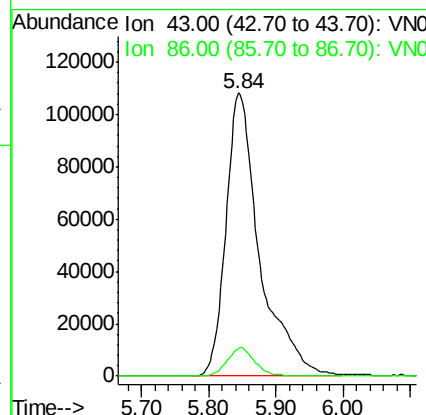
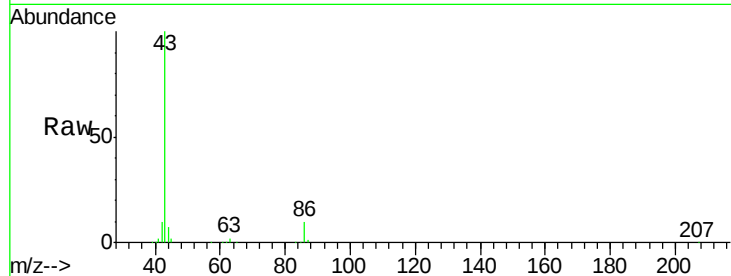
#23
 Vinyl Acetate
 Concen: 70.554 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VN062755.D
 Acq: 5 Aug 2020 11:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	43	Resp	377684
Ion Ratio	Lower	Upper	
43	100		
86	9.8	7.7	11.5

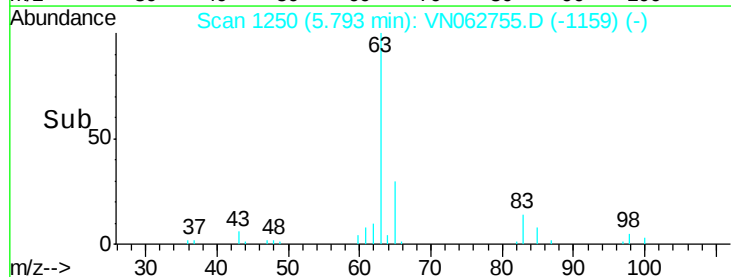
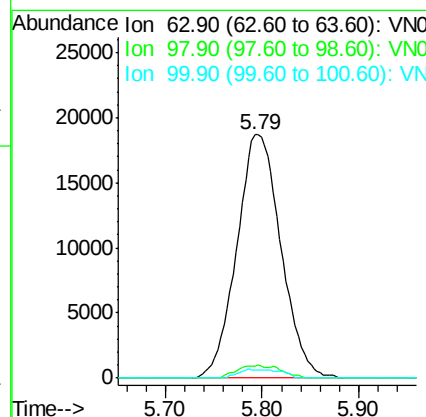
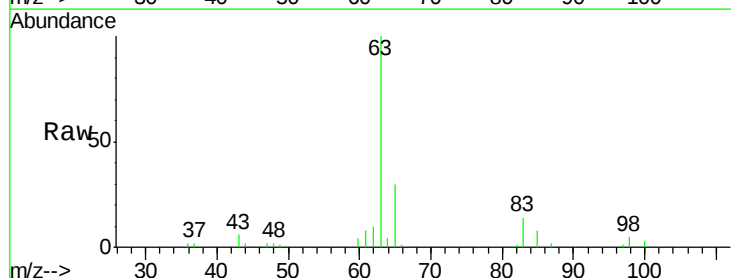
Manual Integrations
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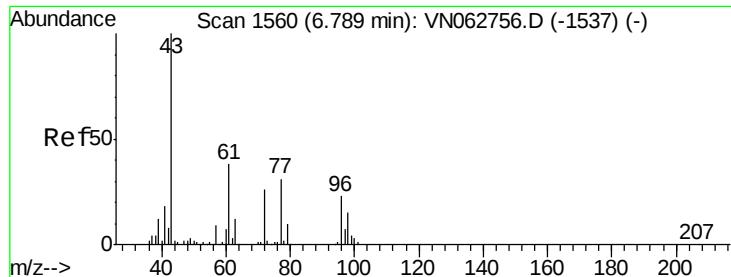
MMDadoda
 8/6/2020 1:51:44 PM



#24
 1,1-Dichloroethane
 Concen: 16.345 ug/l
 RT: 5.79 min Scan# 1250
 Delta R.T. -0.01 min
 Lab File: VN062755.D
 Acq: 5 Aug 2020 11:51

Tgt Ion	63	Resp	59258
Ion Ratio	Lower	Upper	
63	100		
98	5.2	3.0	9.2
100	3.3	1.9	5.7





#25

2-Butanone

Concen: 91.526 ug/l

RT: 6.79 min Scan# 1560

Delta R.T. -0.00 min

Lab File: VN062755.D

Acq: 5 Aug 2020 11:51

Tot Ion: 43 Resp: 121154

Ion Ratio Lower Upper

43 100

72 27.6 21.1 31.7

Instrument :

MSVOA_N

ClientSampleId :

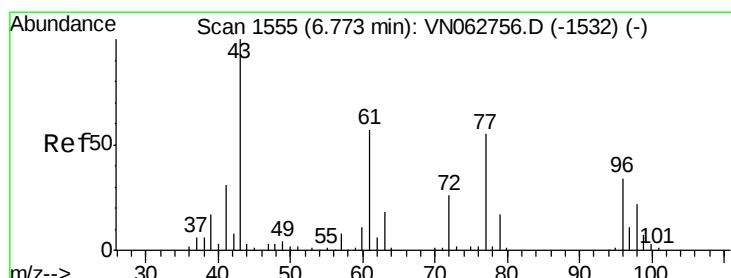
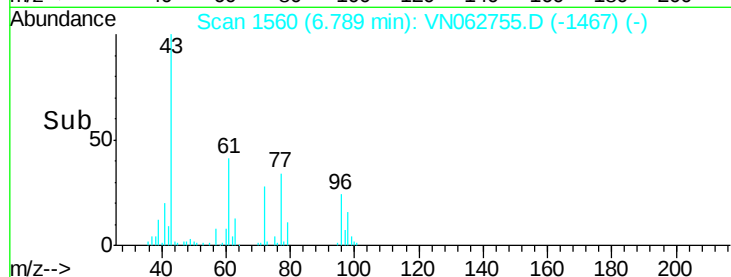
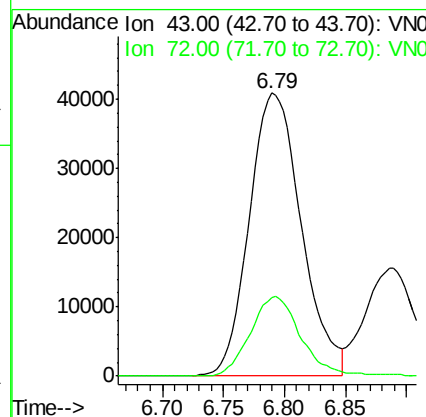
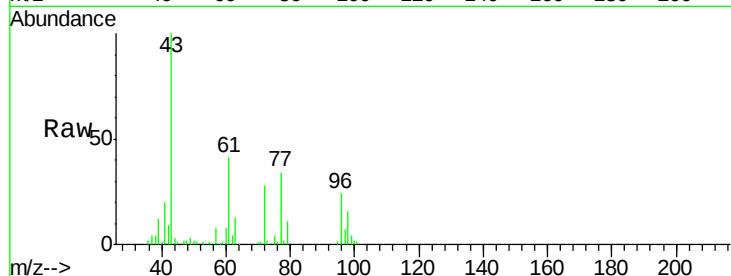
VSTDIC020

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 17.865 ug/l

RT: 6.77 min Scan# 1555

Delta R.T. -0.00 min

Lab File: VN062755.D

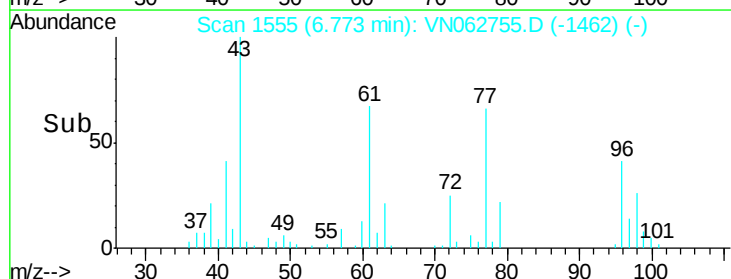
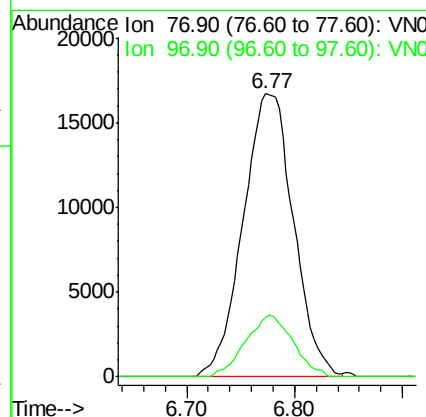
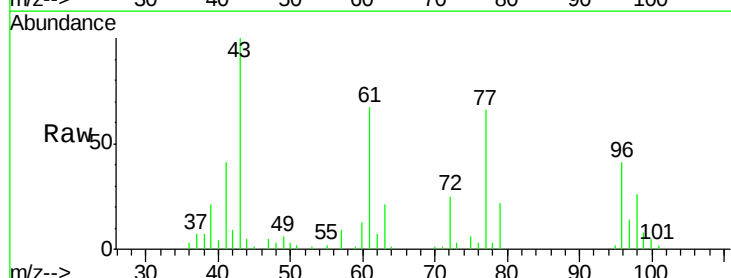
Acq: 5 Aug 2020 11:51

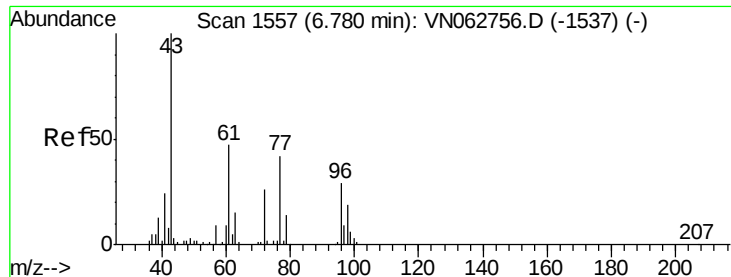
Tgt Ion: 77 Resp: 54213

Ion Ratio Lower Upper

77 100

97 20.5 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 16.261 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. -0.00 min

Lab File: VN062755.D

Acq: 5 Aug 2020 11:51

Instrument :

MSVOA_N

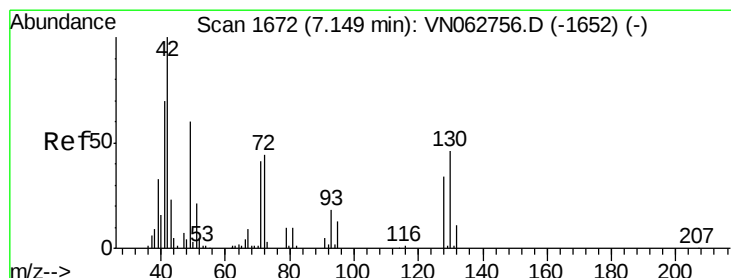
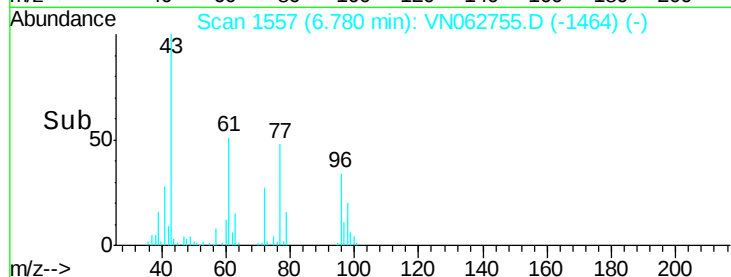
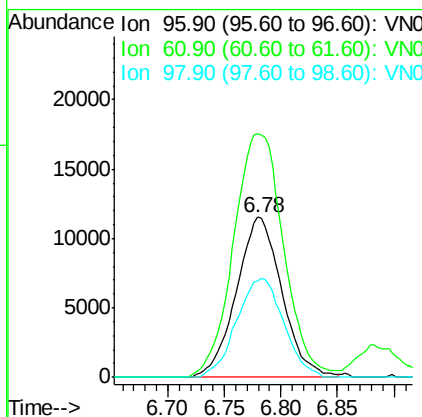
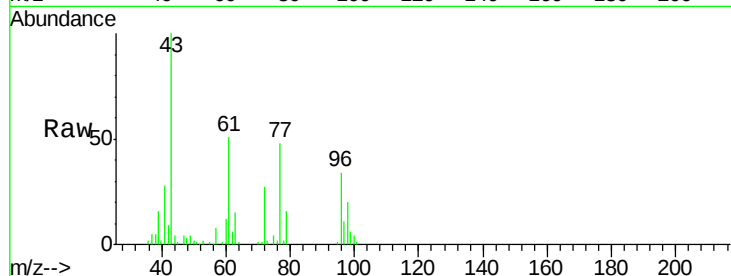
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	32252
Ion	Ratio	Lower	Upper
96	100		
61	167.5	0.0	332.2
98	63.9	0.0	129.4

Manual Integrations
APPROVED

MMDadoda
8/6/2020 1:51:44 PM



#28

Bromochloromethane

Concen: 17.073 ug/l

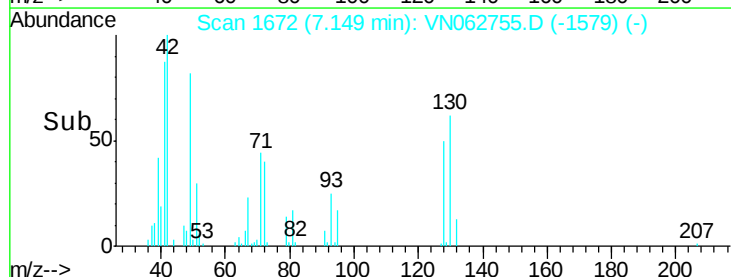
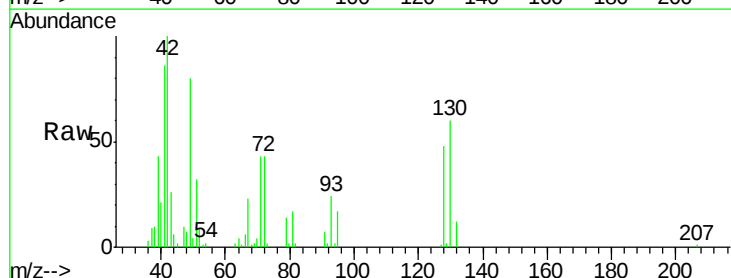
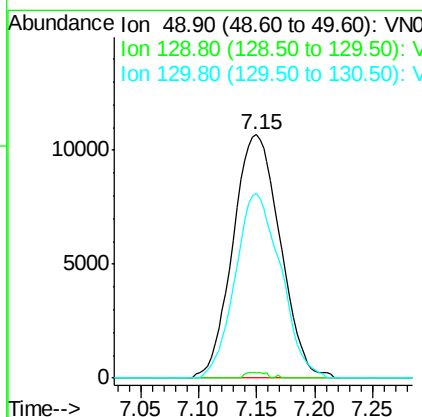
RT: 7.15 min Scan# 1672

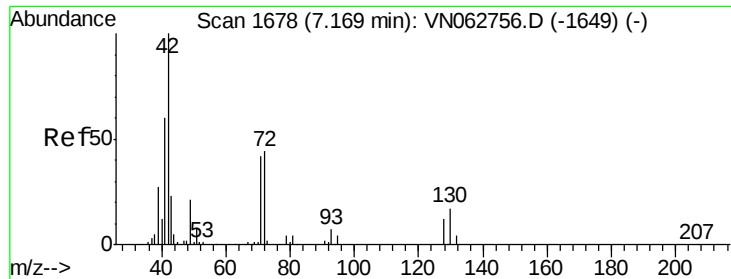
Delta R.T. -0.00 min

Lab File: VN062755.D

Acq: 5 Aug 2020 11:51

Tgt Ion:	49	Resp:	30207
Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	3.2
130	73.3	59.0	88.6





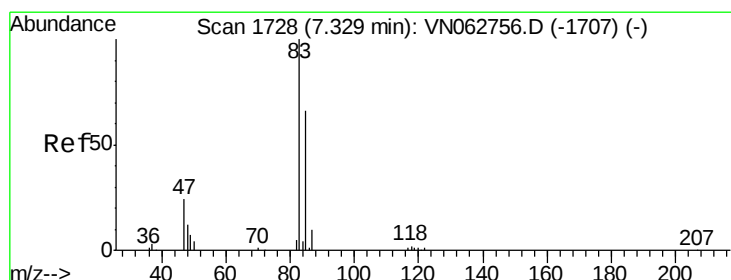
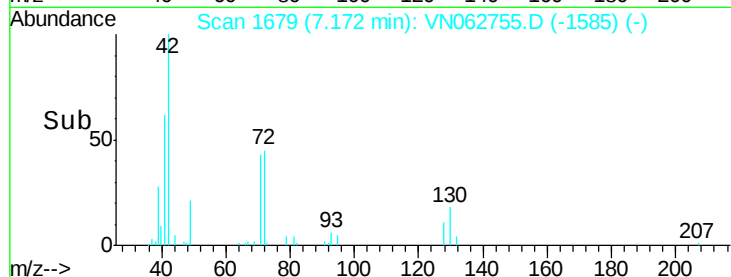
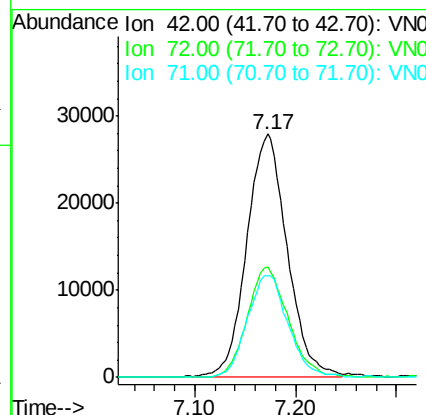
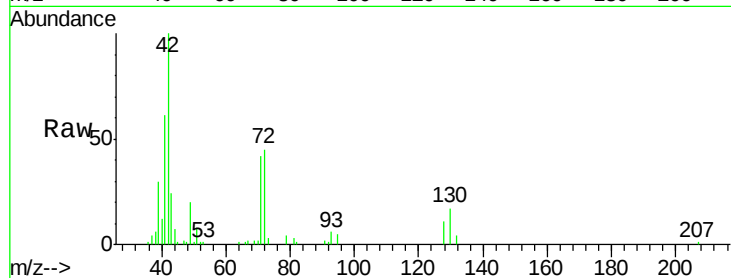
#29
Tetrahydrofuran
Concen: 87.149 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN062755.D
Acq: 5 Aug 2020 11:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.7	35.0	52.4
71	42.3	33.2	49.8

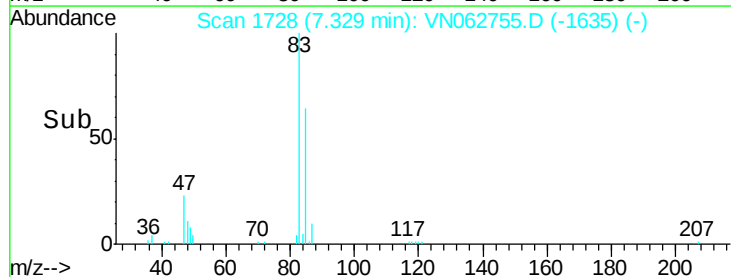
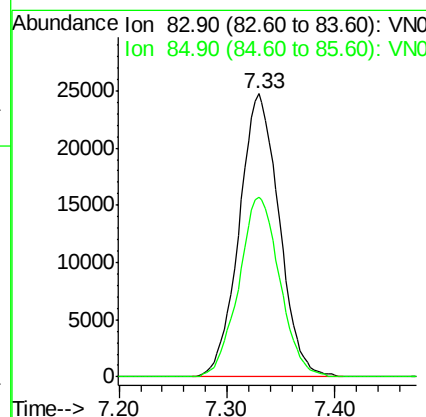
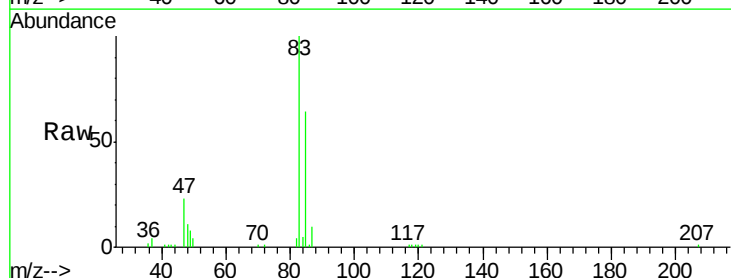
Manual Integrations
APPROVED

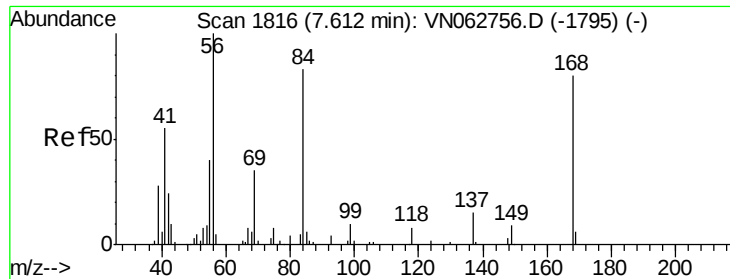
MMDadoda
8/6/2020 1:51:44 PM



#30
Chloroform
Concen: 18.164 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. -0.00 min
Lab File: VN062755.D
Acq: 5 Aug 2020 11:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	52.7	79.1





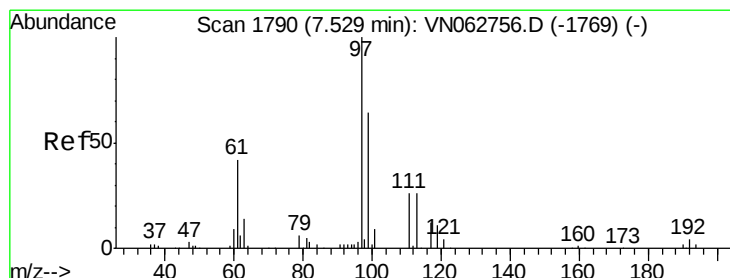
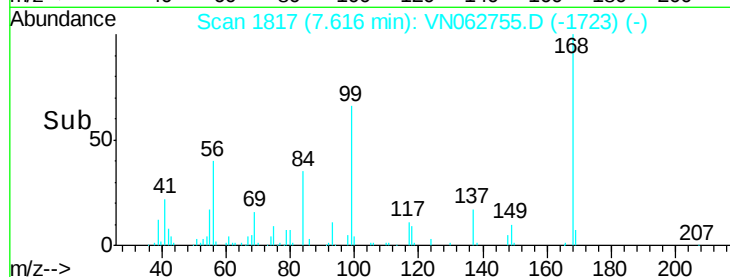
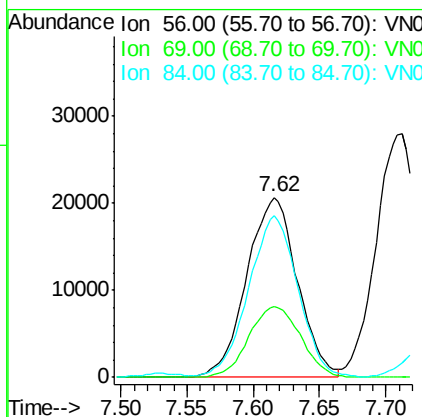
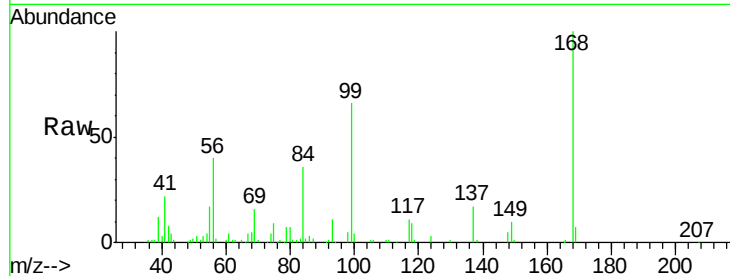
#31
Cyclohexane
Concen: 16.403 ug/l
RT: 7.62 min Scan# 1817
Delta R.T. 0.00 min
Lab File: VN062755.D
Acq: 5 Aug 2020 11:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.5	28.1	42.1
84	88.5	66.8	100.2

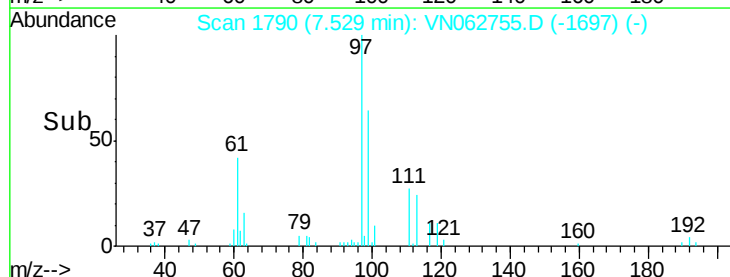
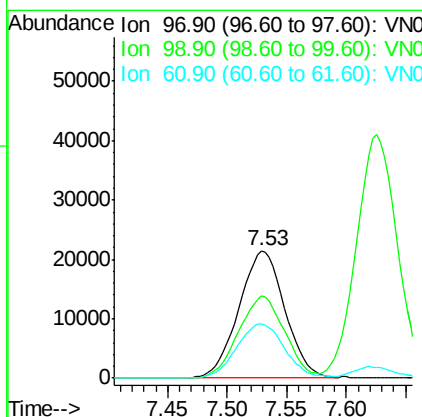
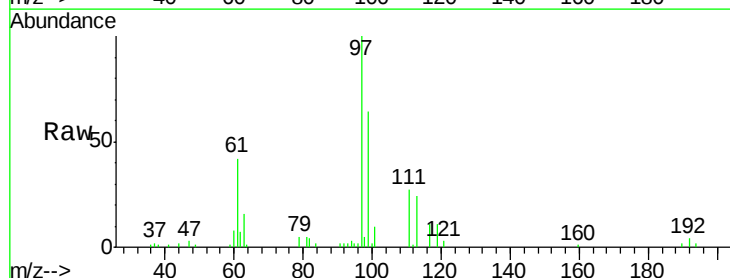
Manual Integrations
APPROVED

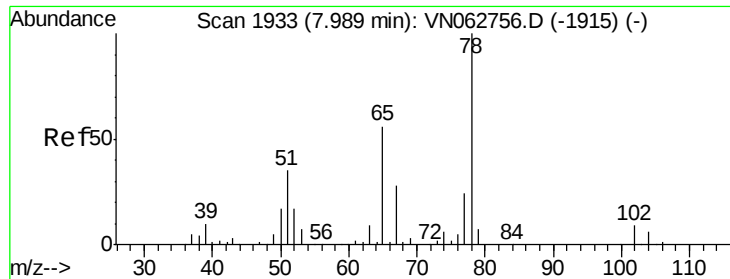
MMDadoda
8/6/2020 1:51:44 PM



#32
1,1,1-Trichloroethane
Concen: 19.253 ug/l
RT: 7.53 min Scan# 1790
Delta R.T. -0.00 min
Lab File: VN062755.D
Acq: 5 Aug 2020 11:51

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	50.0	75.0
61	44.4	34.8	52.2





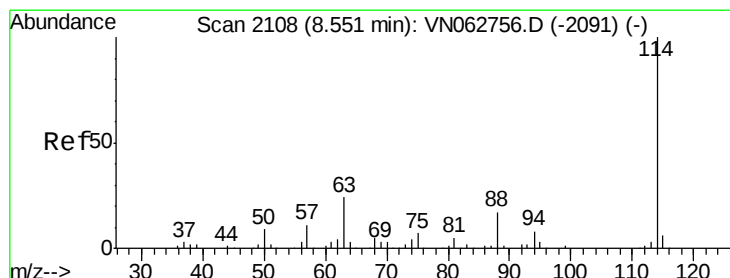
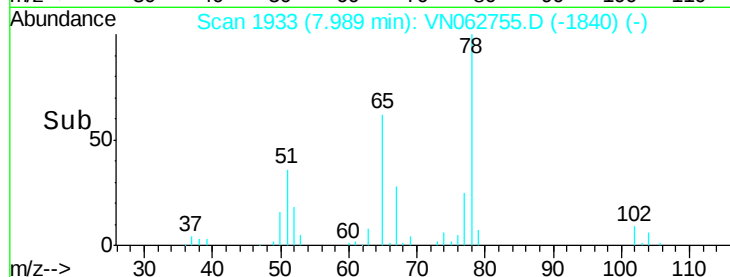
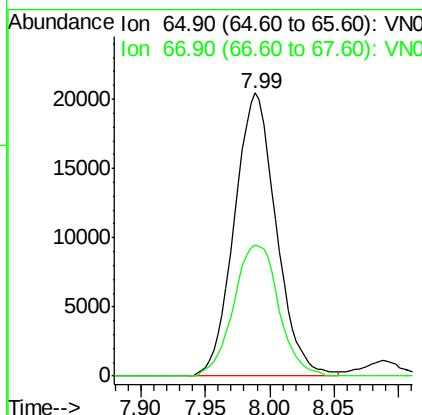
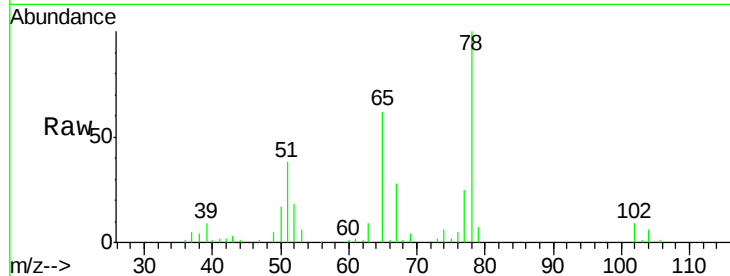
#33
 1,2-Dichloroethane-d4
 Concen: 19.692 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. -0.00 min
 Lab File: VN062755.D
 Acq: 5 Aug 2020 11:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	49.8	0.0	101.4	

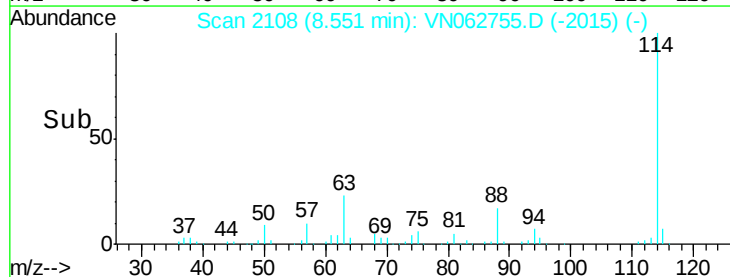
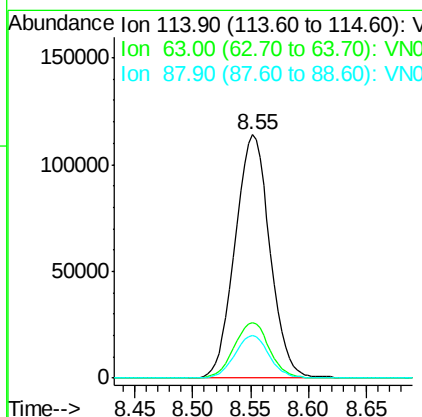
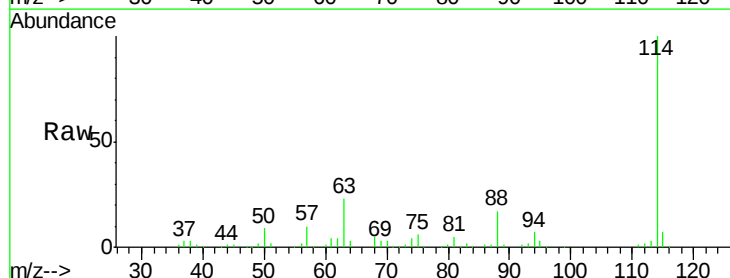
Manual Integrations
 APPROVED

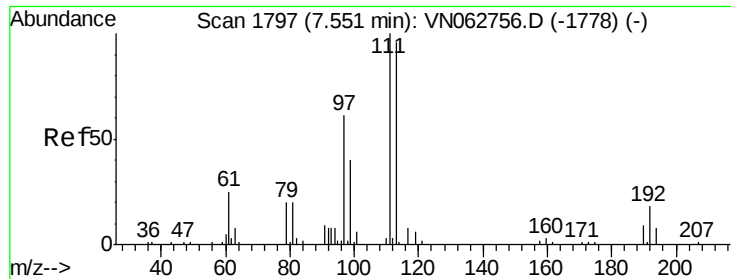
MMDadoda
 8/6/2020 1:51:44 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062755.D
 Acq: 5 Aug 2020 11:51

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	23.0	0.0	47.6	
88	17.5	0.0	34.4	





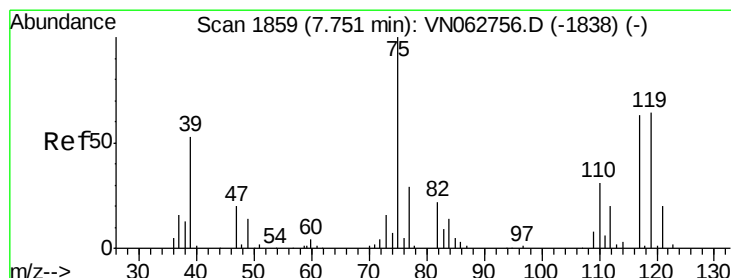
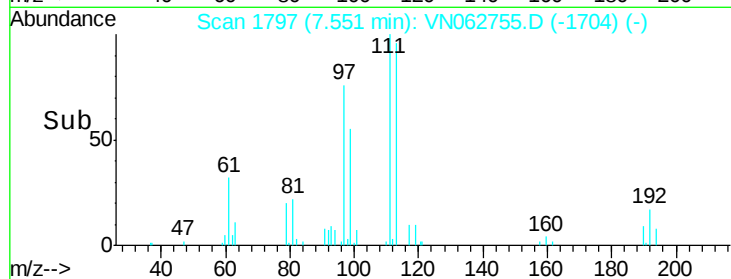
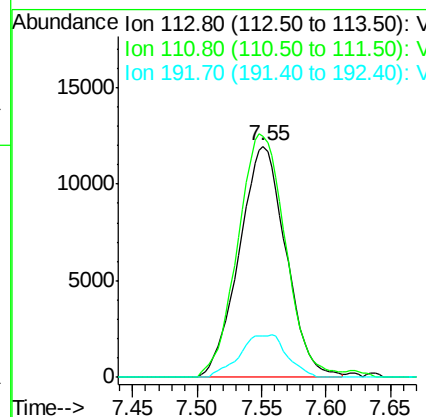
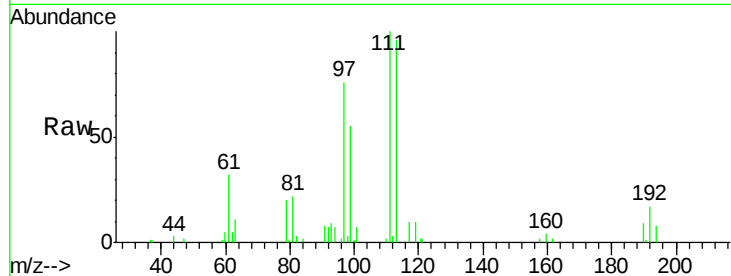
#35
Dibromofluoromethane
Concen: 19.270 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. -0.00 min
Lab File: VN062755.D
Acq: 5 Aug 2020 11:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
113	100	30159		
111	108.0		81.8	122.6
192	18.7		15.0	22.4

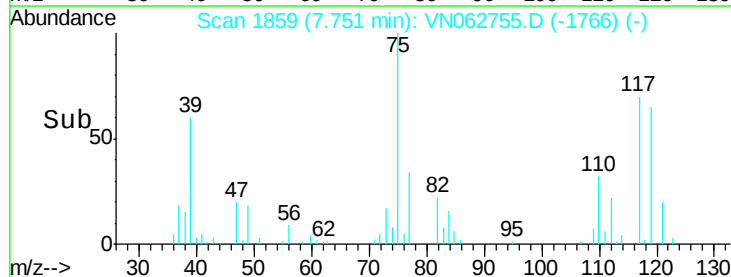
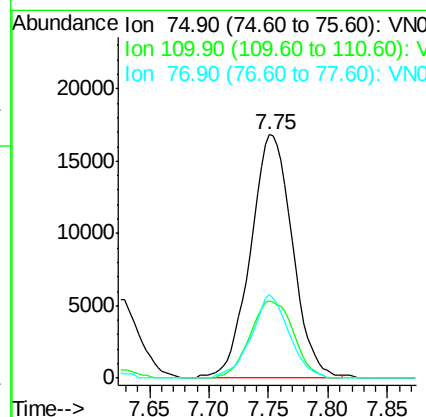
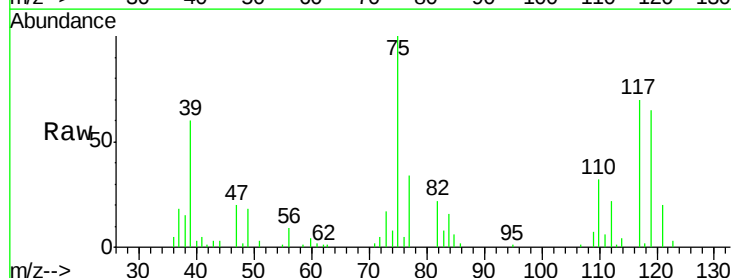
Manual Integrations
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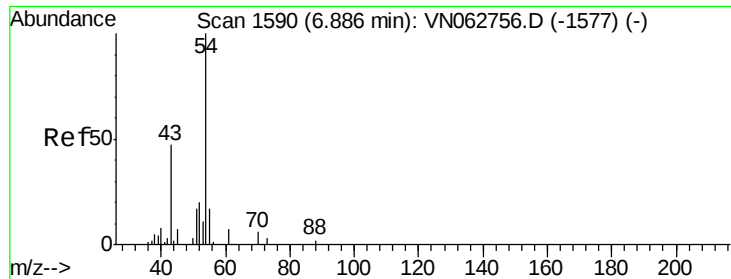
MMDadoda
8/6/2020 1:51:44 PM



#36
1,1-Dichloropropene
Concen: 16.479 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN062755.D
Acq: 5 Aug 2020 11:51

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	41110		
110	32.8		15.6	46.7
77	30.9		24.1	36.1





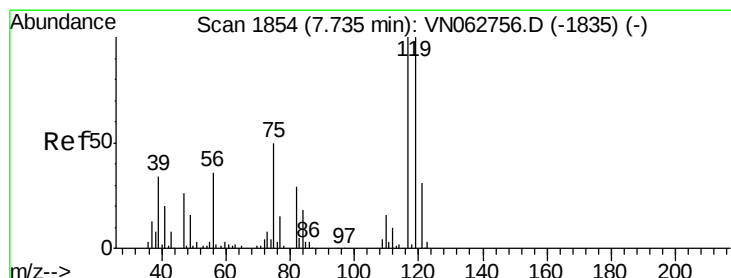
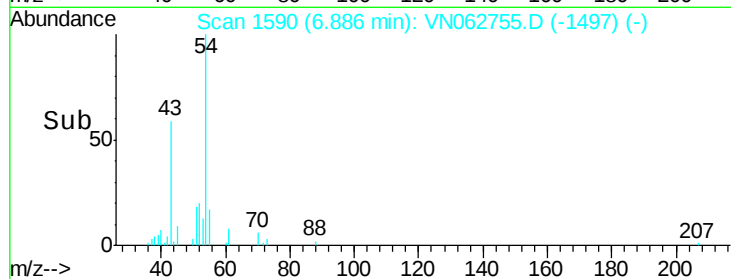
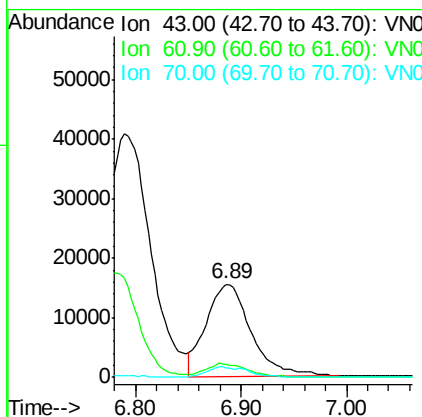
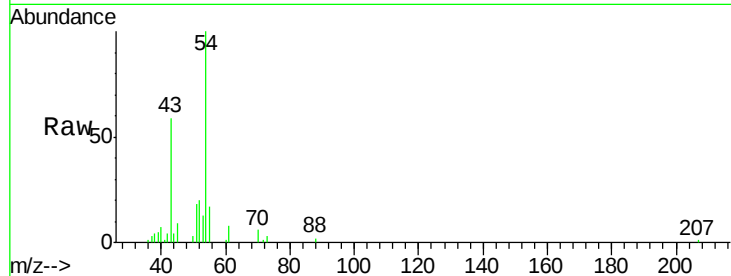
#37
Ethyl Acetate
Concen: 17.110 ug/l
RT: 6.89 min Scan# 1590
Delta R.T. -0.00 min
Lab File: VN062755.D
Acq: 5 Aug 2020 11:51

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	43	Resp	45628
Ion Ratio	100	Lower	Upper
43	100		
61	14.3	12.1	18.1
70	10.5	8.3	12.5

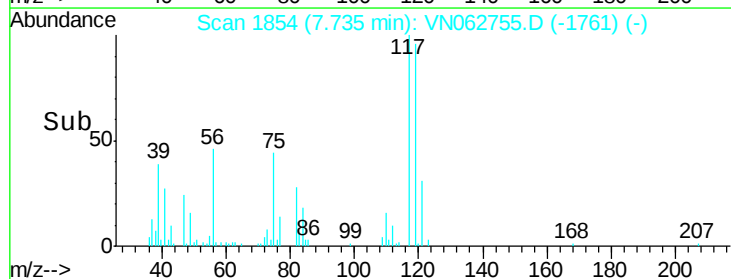
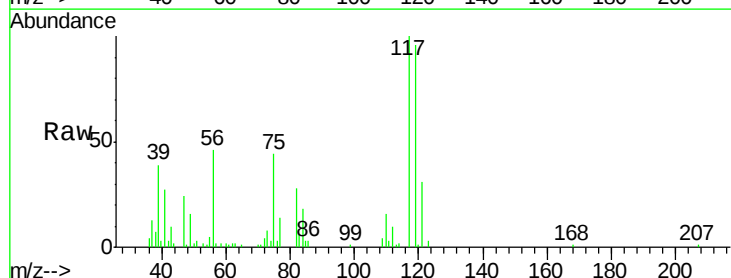
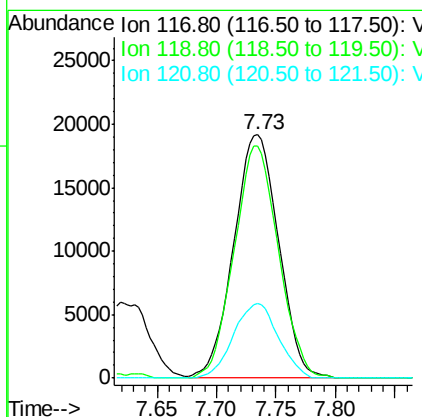
Manual Integrations
APPROVED

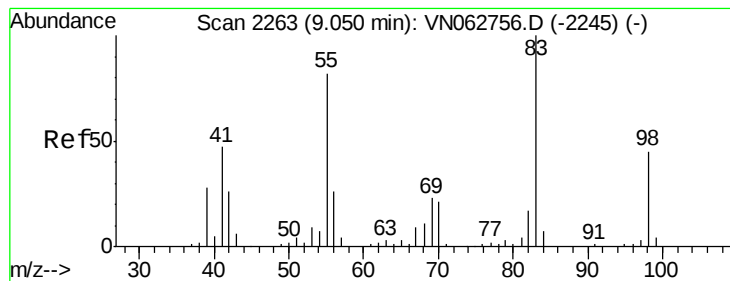
MMDadoda
8/6/2020 1:51:44 PM



#38
Carbon Tetrachloride
Concen: 20.432 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VN062755.D
Acq: 5 Aug 2020 11:51

Tgt Ion	117	Resp	50160
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	95.5	79.4	119.2
121	30.6	24.9	37.3





#39

Methvlcvclohexane

Concen: 18.587 ug/l

RT: 9.05 min Scan# 2262

Delta R.T. -0.00 min

Lab File: VN062755.D

Acq: 5 Aug 2020 11:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 83 Resp: 50748

Ion Ratio Lower Upper

83 100

55 83.3 65.7 98.5

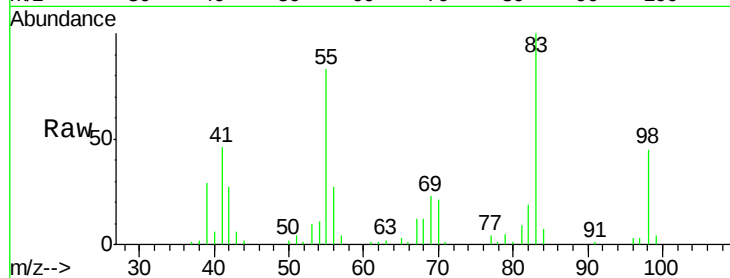
98 45.4 35.6 53.4

Manual Integrations

APPROVED

MMDadoda

8/6/2020 1:51:44 PM



Abundance Ion 83.00 (82.70 to 83.70): VN062755.D (-2245) (-)

Ion 55.00 (54.70 to 55.70): VN062755.D (-2245) (-)

Ion 98.00 (97.70 to 98.70): VN062755.D (-2245) (-)

Time-->

9.05

9.05

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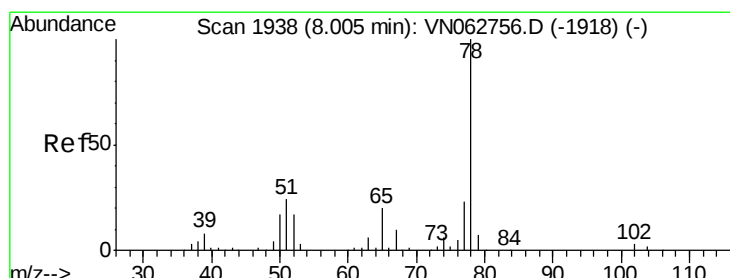
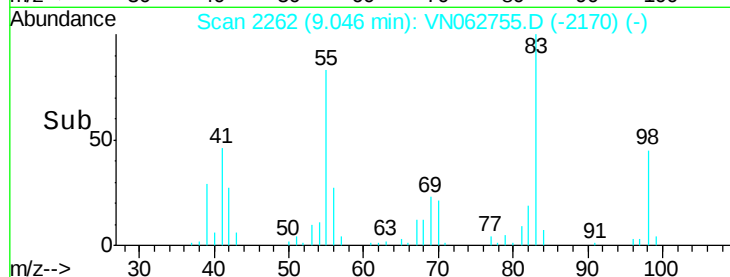
9.05

9.05

9.05

9.05

9.05



#40

Benzene

Concen: 16.722 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN062755.D

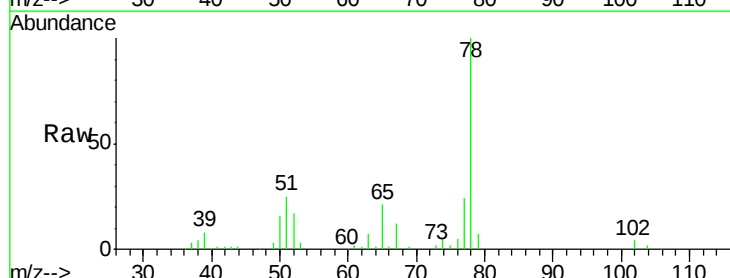
Acq: 5 Aug 2020 11:51

Tgt Ion: 78 Resp: 125435

Ion Ratio Lower Upper

78 100

77 24.1 18.1 27.1



Abundance Ion 78.00 (77.70 to 78.70): VN062755.D (-1845) (-)

Ion 77.00 (76.70 to 77.70): VN062755.D (-1845) (-)

Time-->

8.00

8.00

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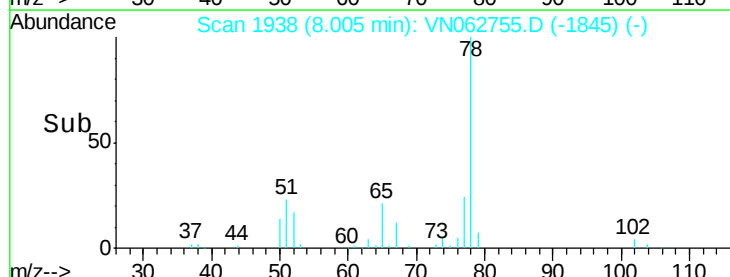
8.00

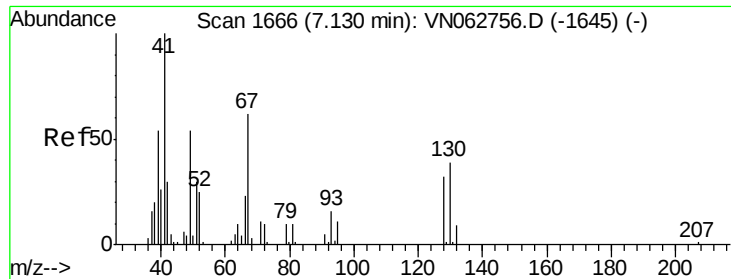
8.00

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8.00





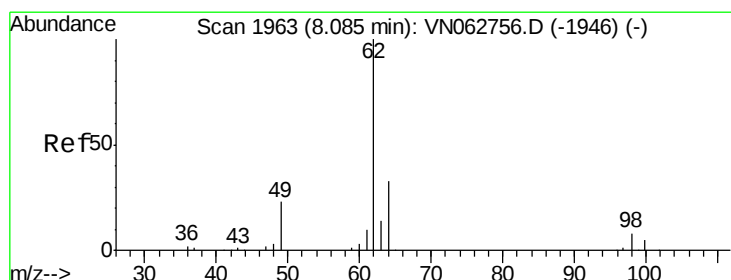
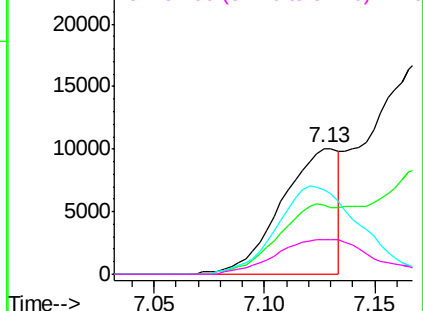
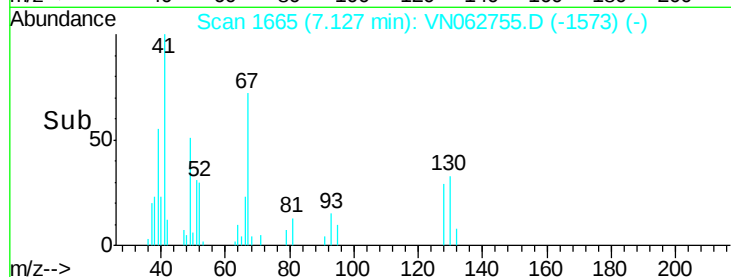
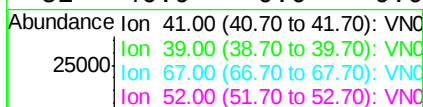
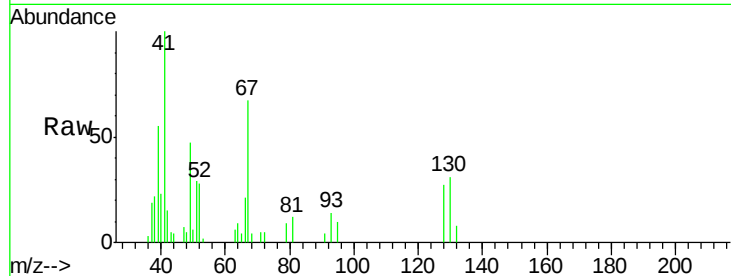
#41
Methacrylonitrile
Concen: 15.224 ug/l
RT: 7.13 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VN062755.D
Acq: 5 Aug 2020 11:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		18021		
39	57.5	69.4	104.2#		
67	104.4	0.0	0.0#		
52	46.9	0.0	0.0#		

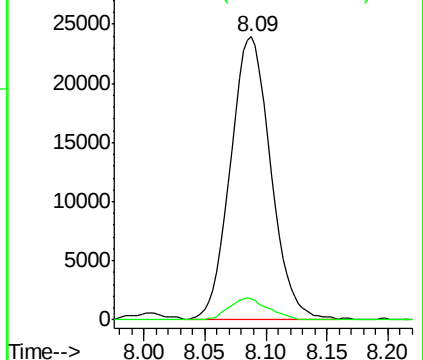
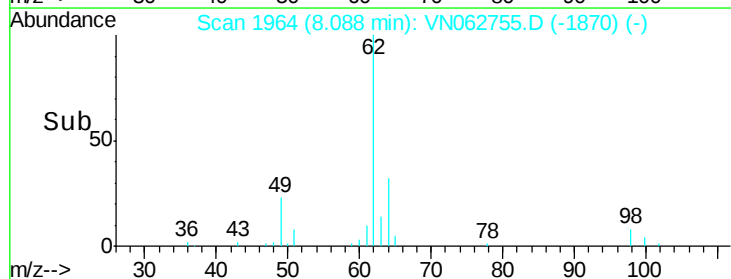
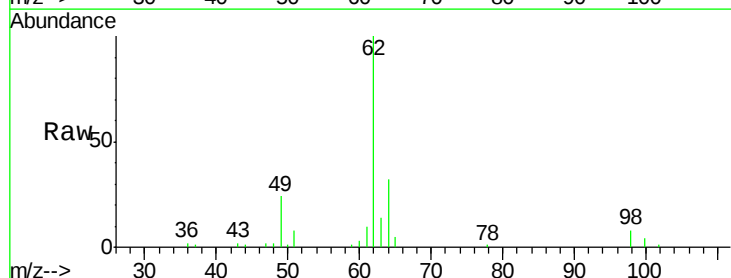
Manual Integrations
APPROVED

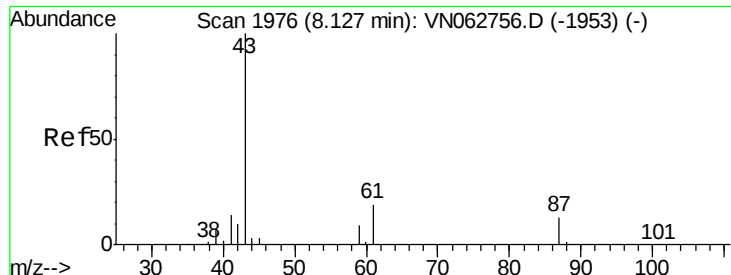
MMDadoda
8/6/2020 1:51:44 PM



#42
1,2-Dichloroethane
Concen: 19.528 ug/l
RT: 8.09 min Scan# 1964
Delta R.T. 0.00 min
Lab File: VN062755.D
Acq: 5 Aug 2020 11:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		54978		
98	7.6	0.0	15.8		





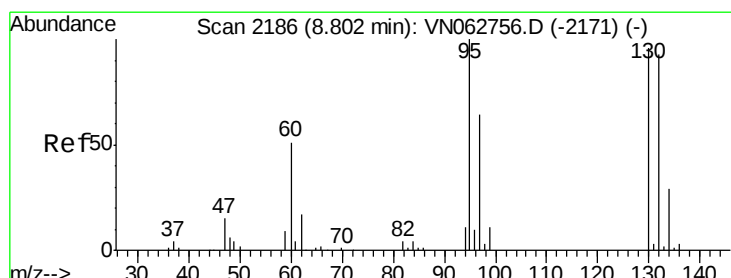
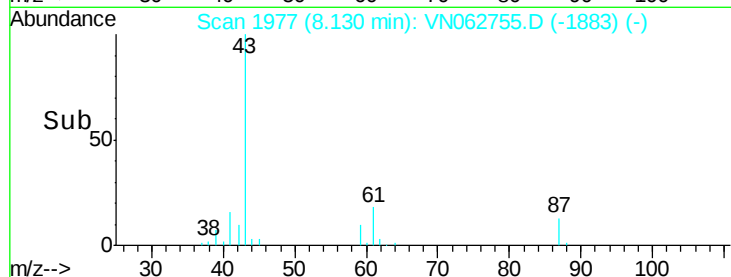
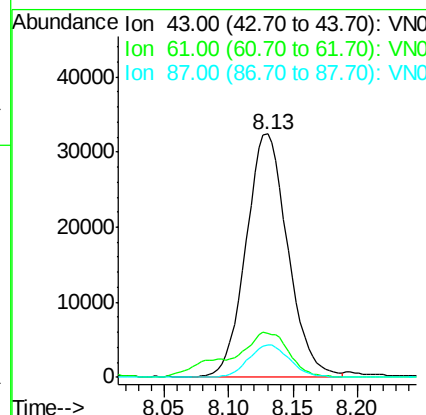
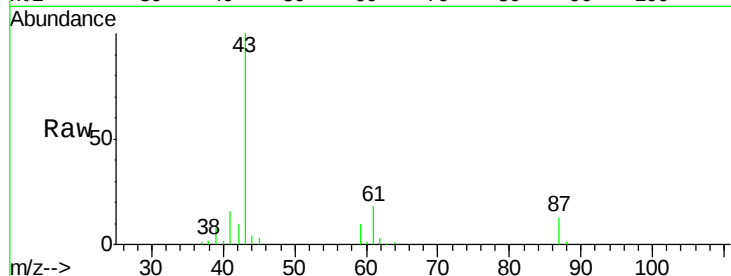
#43
Isopropyl Acetate
Concen: 17.055 ug/l
RT: 8.13 min Scan# 1977
Delta R.T. 0.00 min
Lab File: VN062755.D
Acq: 5 Aug 2020 11:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.1	15.8	23.6#
87	13.2	9.9	14.9

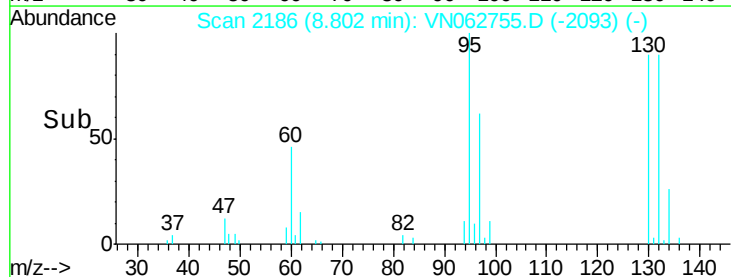
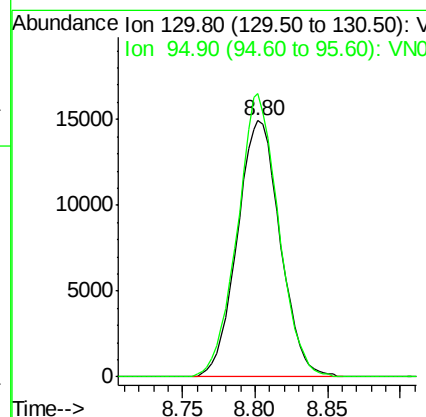
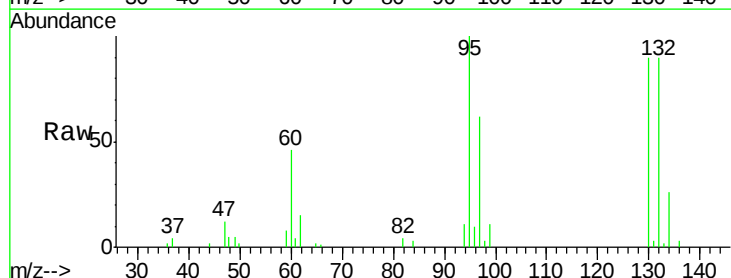
Manual Integrations
APPROVED

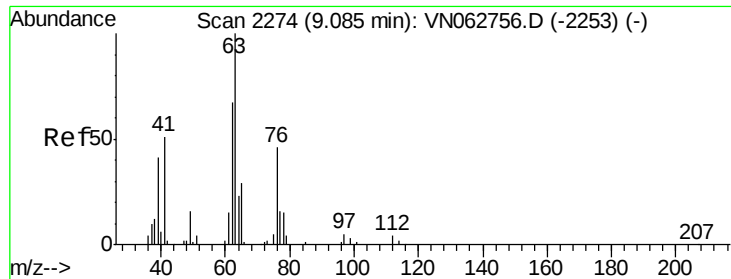
MMDadoda
8/6/2020 1:51:44 PM



#44
Trichloroethene
Concen: 17.944 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. -0.00 min
Lab File: VN062755.D
Acq: 5 Aug 2020 11:51

Tgt Ion	Ratio	Lower	Upper
130	100		
95	110.6	0.0	207.6





#45

1,2-Dichloropropane

Concen: 16.572 ug/l

RT: 9.08 min Scan# 2274

Delta R.T. -0.00 min

Lab File: VN062755.D

Acq: 5 Aug 2020 11:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 63 Resp: 34884

Ion Ratio Lower Upper

63 100

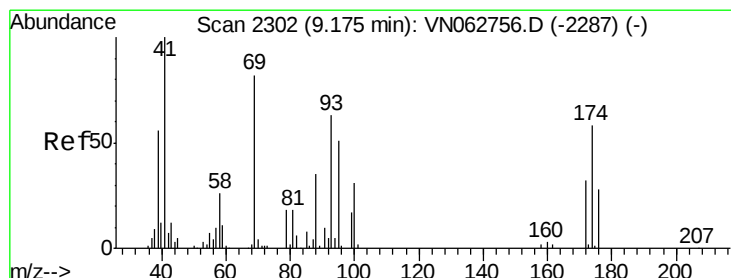
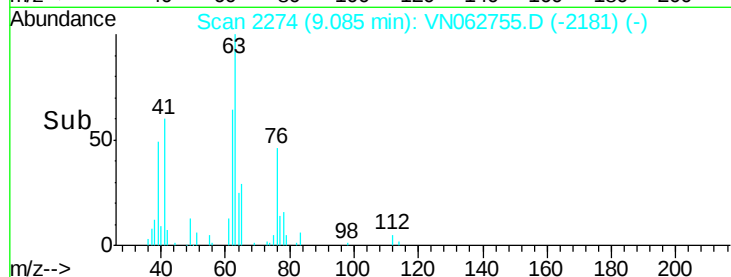
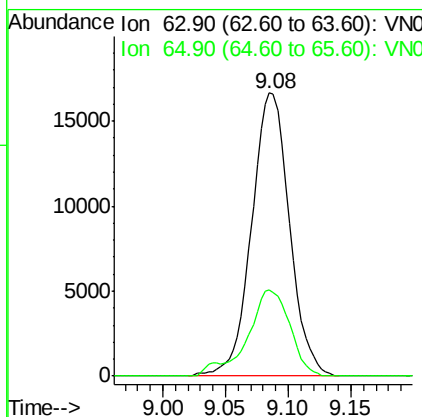
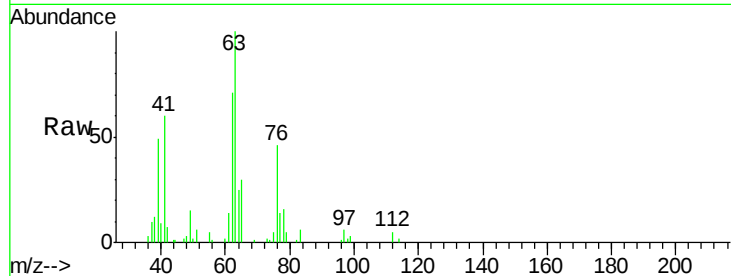
65 30.5 23.5 35.3

Manual Integrations

APPROVED

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#46

Dibromomethane

Concen: 18.274 ug/l

RT: 9.18 min Scan# 2303

Delta R.T. 0.00 min

Lab File: VN062755.D

Acq: 5 Aug 2020 11:51

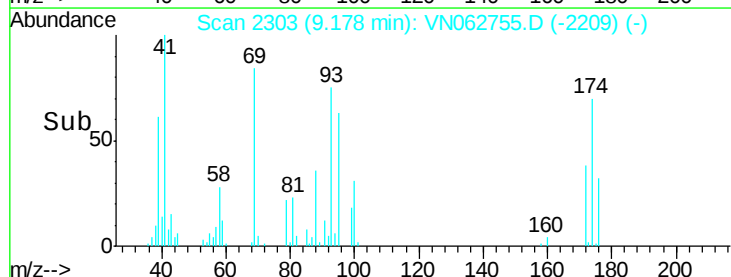
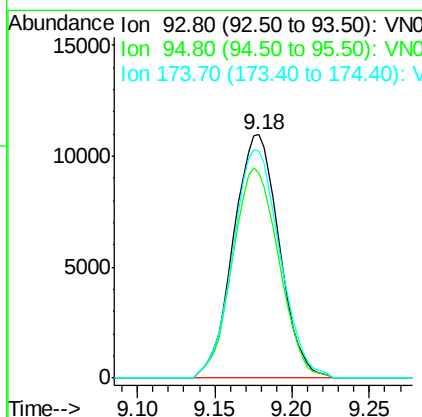
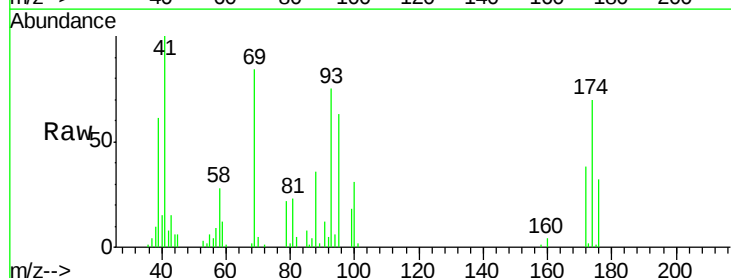
Tgt Ion: 93 Resp: 22609

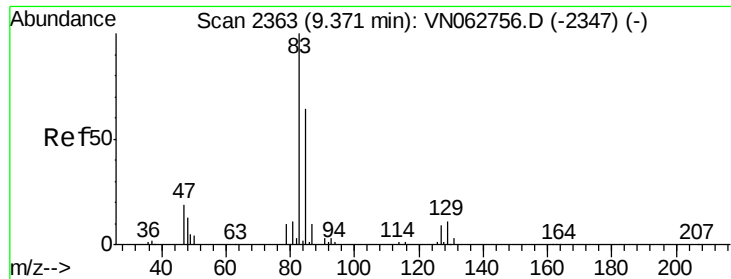
Ion Ratio Lower Upper

93 100

95 87.2 65.1 97.7

174 96.1 73.9 110.9





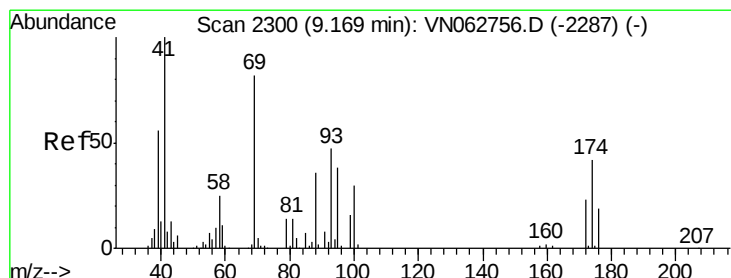
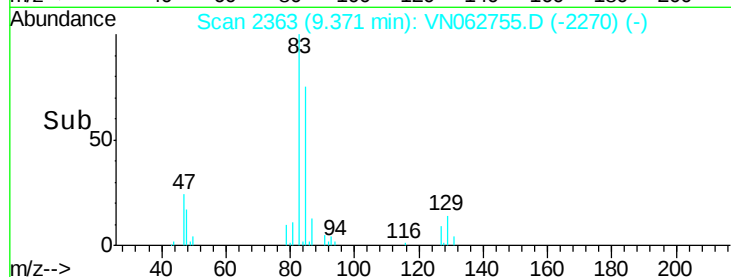
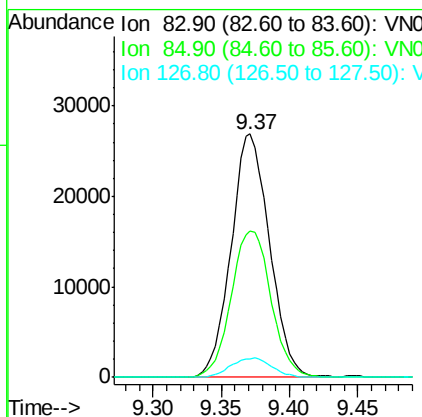
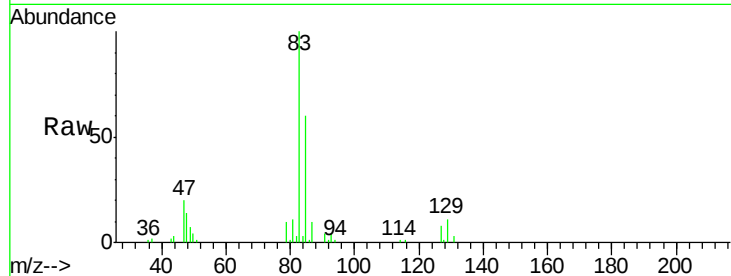
#47
Bromodichloromethane
Concen: 19.367 ug/l
RT: 9.37 min Scan# 2363
Delta R.T. -0.00 min
Lab File: VN062755.D
Acq: 5 Aug 2020 11:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
85	60.4	51.4	77.0
127	7.5	6.9	10.3

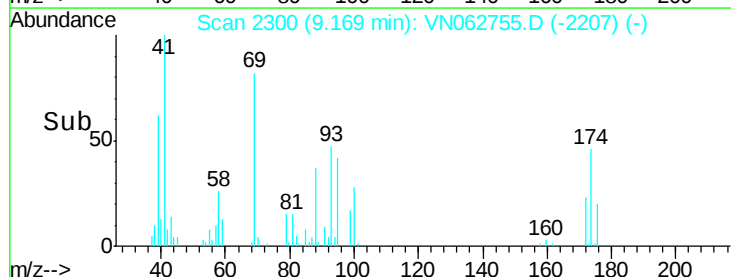
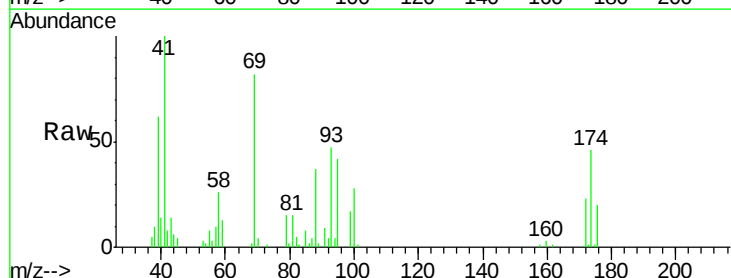
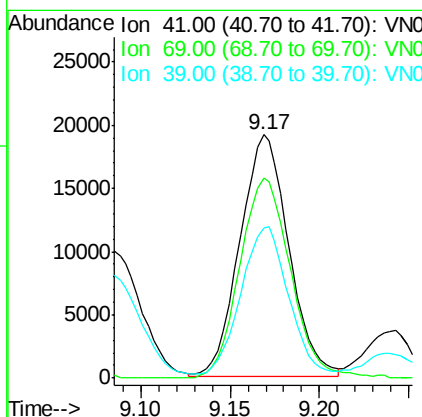
Manual Integrations
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#48
Methyl methacrylate
Concen: 17.699 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. -0.00 min
Lab File: VN062755.D
Acq: 5 Aug 2020 11:51

Tgt Ion	Ratio	Lower	Upper
41	100		
69	86.4	67.4	101.2
39	62.2	47.6	71.4





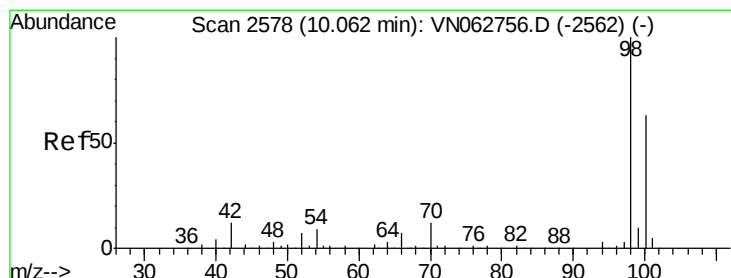
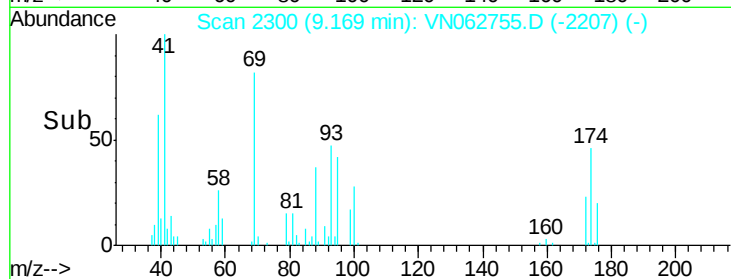
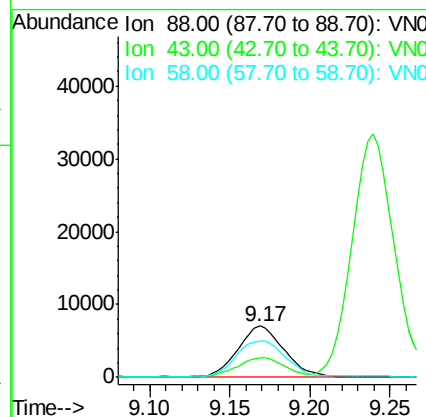
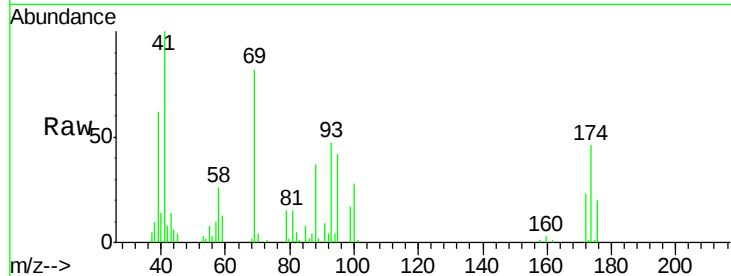
#49
1,4-Dioxane
Concen: 420.691 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. -0.00 min
Lab File: VN062755.D
Acq: 5 Aug 2020 11:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.2	29.5	44.3
58	75.8	59.8	89.8

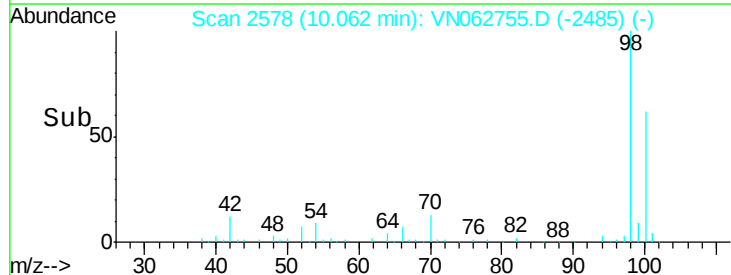
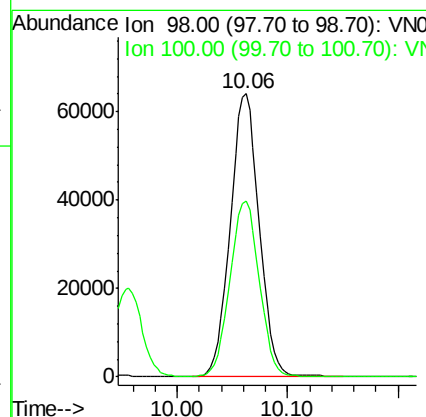
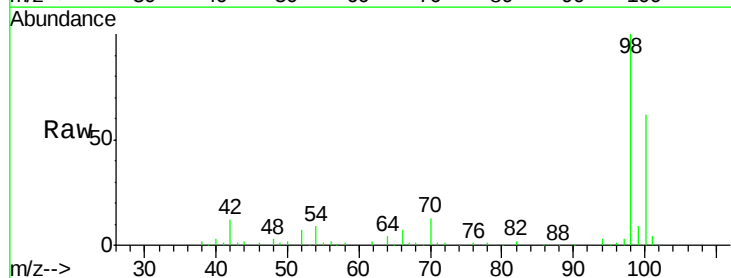
Manual Integrations
APPROVED

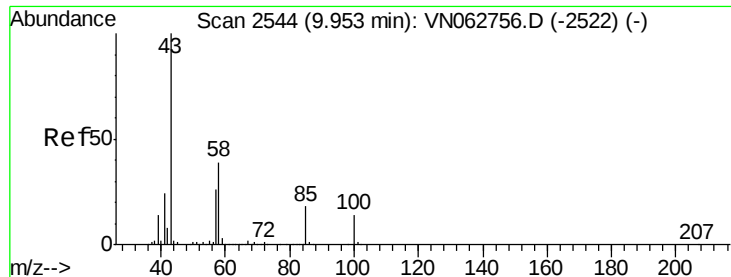
MMDadoda
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#50
Toluene-d8
Concen: 18.700 ug/l
RT: 10.06 min Scan# 2578
Delta R.T. -0.00 min
Lab File: VN062755.D
Acq: 5 Aug 2020 11:51

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.2	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 96.842 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN062755.D

Acq: 5 Aug 2020 11:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 253905

Ion Ratio Lower Upper

43 100

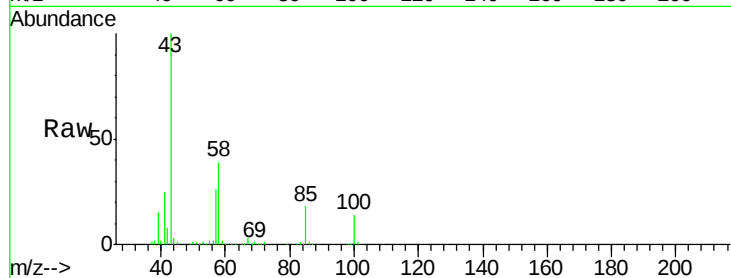
58 38.5 31.1 46.7

Manual Integrations

APPROVED

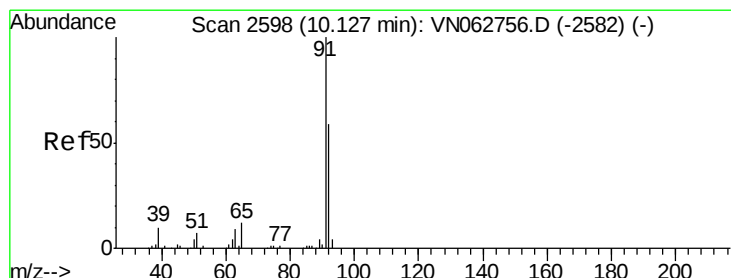
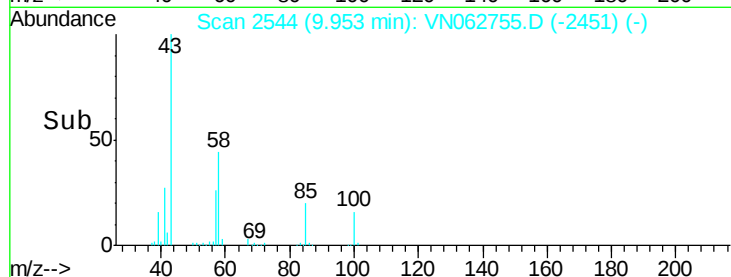
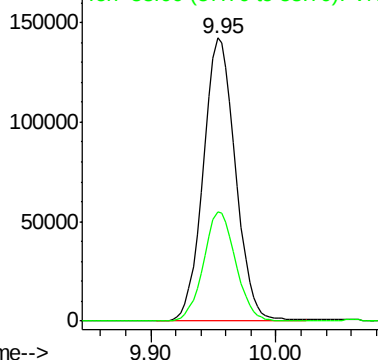
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 17.851 ug/l

RT: 10.13 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VN062755.D

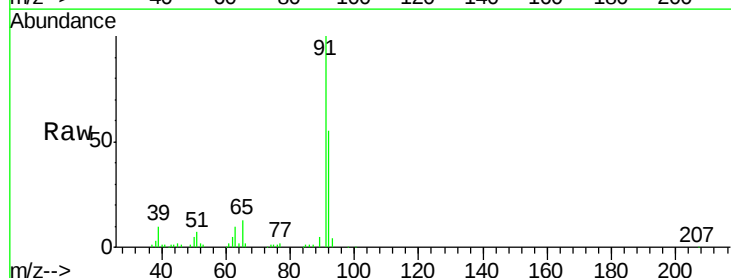
Acq: 5 Aug 2020 11:51

Tgt Ion: 92 Resp: 78586

Ion Ratio Lower Upper

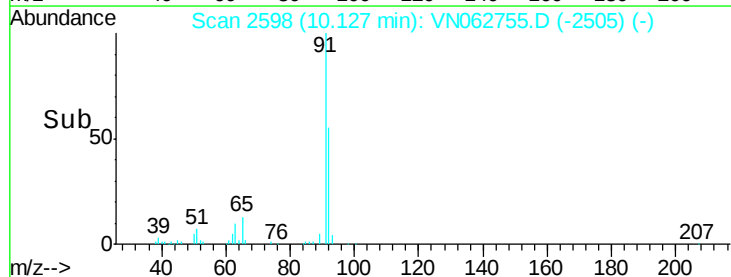
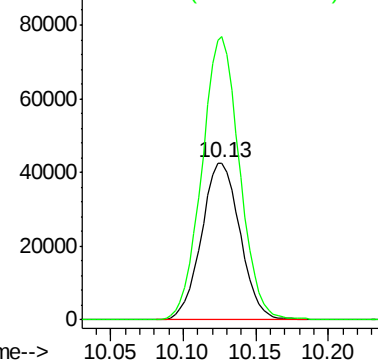
92 100

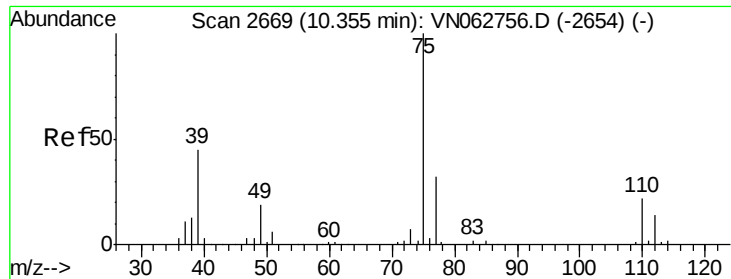
91 176.5 138.9 208.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





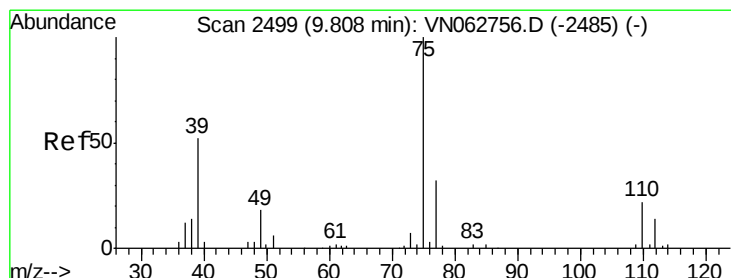
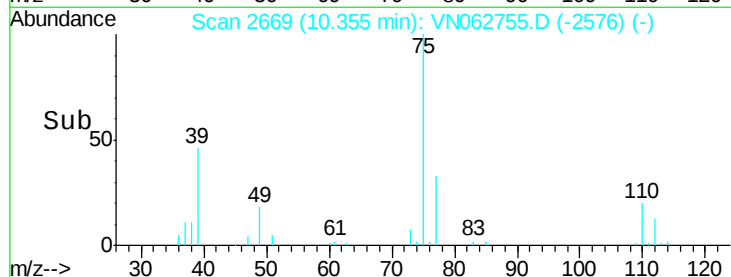
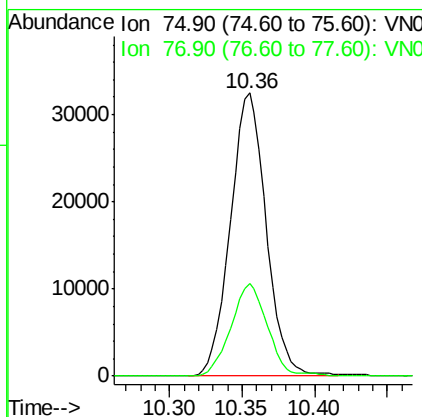
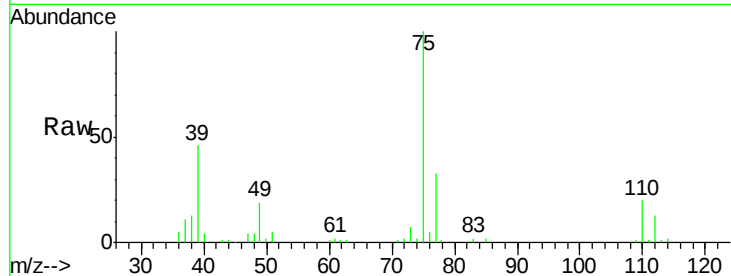
#53
t-1,3-Dichloropropene
Concen: 18.576 ug/l
RT: 10.36 min Scan# 2669
Delta R.T. -0.00 min
Lab File: VN062755.D
Acq: 5 Aug 2020 11:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.9	25.4	38.2

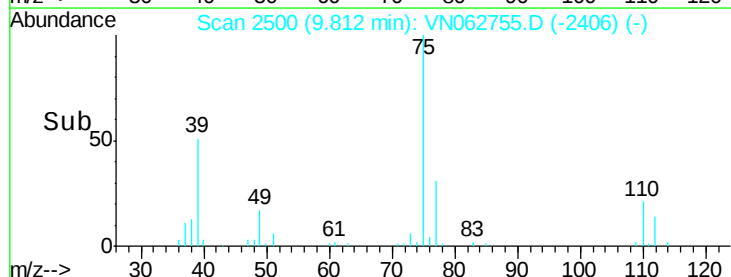
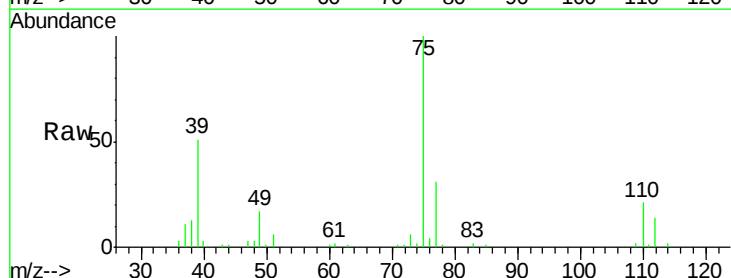
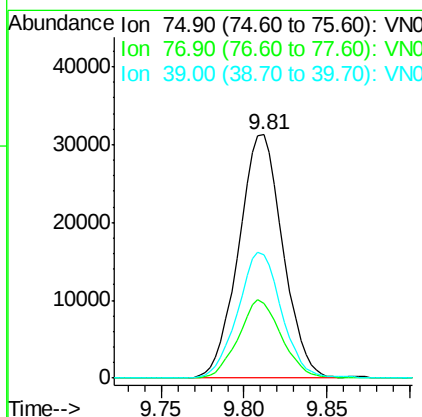
Manual Integrations
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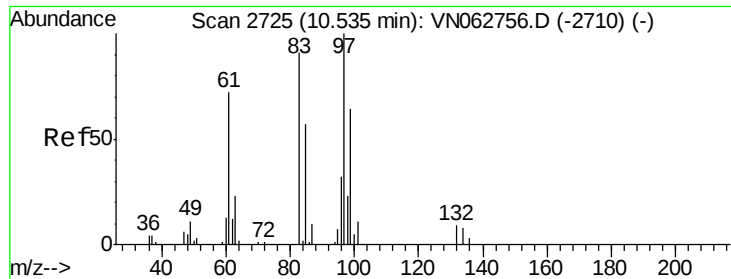
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#54
cis-1,3-Dichloropropene
Concen: 18.234 ug/l
RT: 9.81 min Scan# 2500
Delta R.T. 0.00 min
Lab File: VN062755.D
Acq: 5 Aug 2020 11:51

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.6	25.5	38.3
39	50.7	41.9	62.9





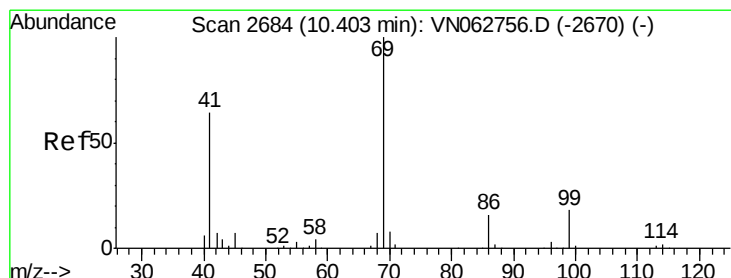
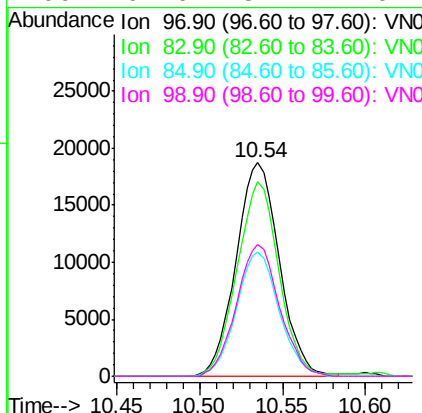
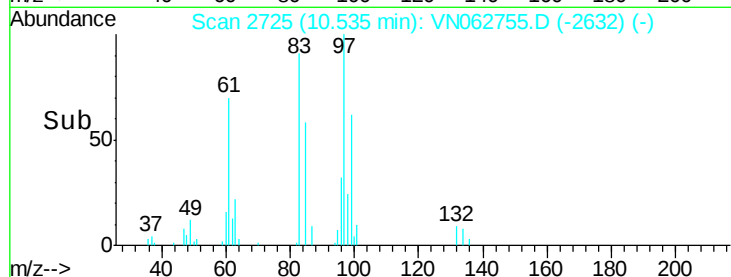
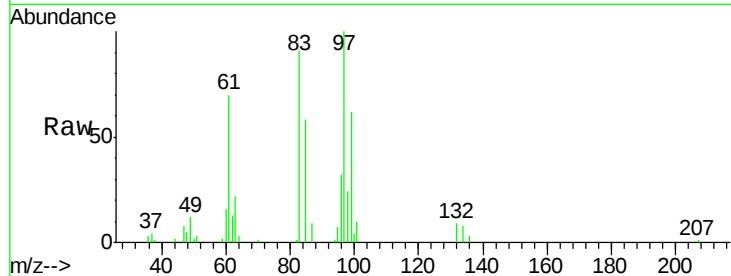
#55
 1,1,2-Trichloroethane
 Concen: 19.698 ug/l
 RT: 10.54 min Scan# 2725
 Delta R.T. -0.00 min
 Lab File: VN062755.D
 Acq: 5 Aug 2020 11:51

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion:	97	Resp:	33988
Ion	Ratio	Lower	Upper
97	100		
83	90.9	72.6	108.8
85	58.0	46.0	69.0
99	61.6	51.1	76.7

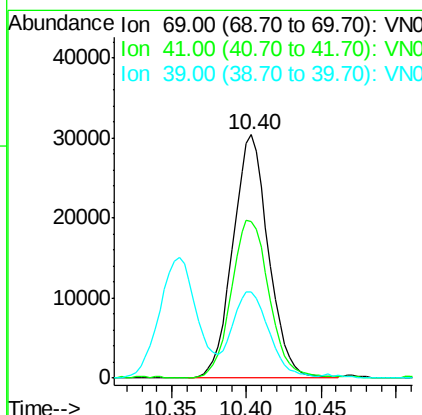
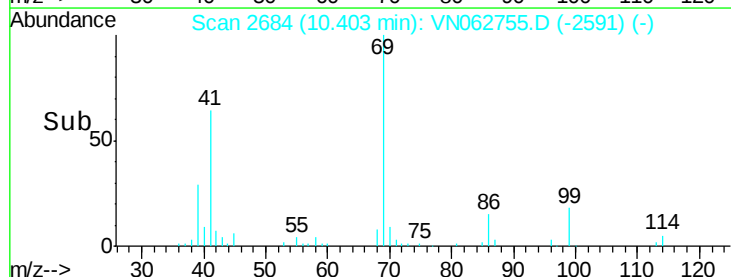
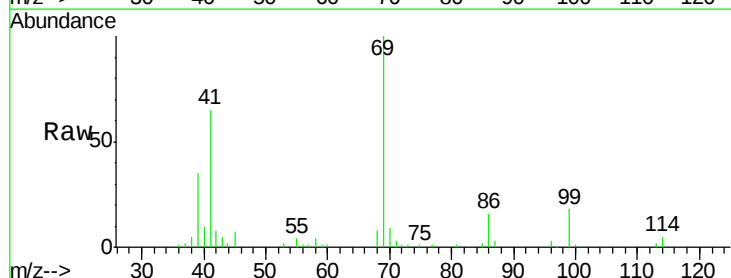
Manual Integrations
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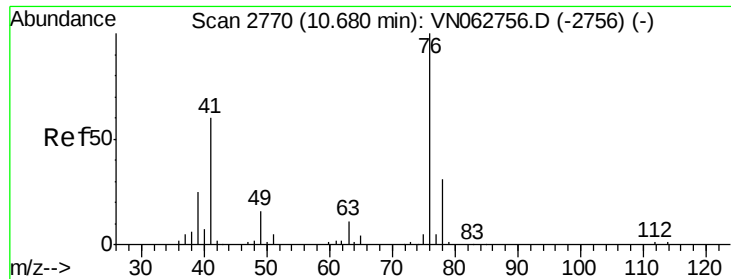
MMDadoda
 8/6/2020 1:51:44 PM



#56
 Ethyl methacrylate
 Concen: 18.361 ug/l
 RT: 10.40 min Scan# 2684
 Delta R.T. -0.00 min
 Lab File: VN062755.D
 Acq: 5 Aug 2020 11:51

Tgt Ion:	69	Resp:	50538
Ion	Ratio	Lower	Upper
69	100		
41	69.4	52.2	78.2
39	35.8	30.9	46.3





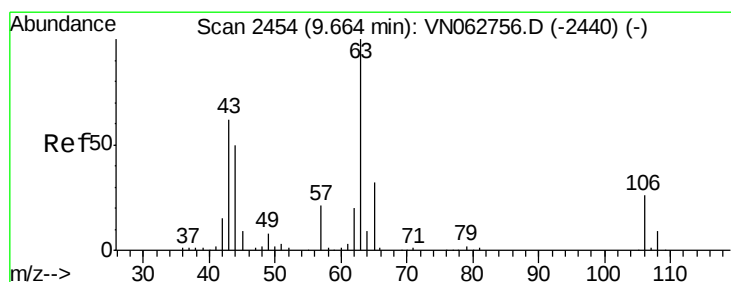
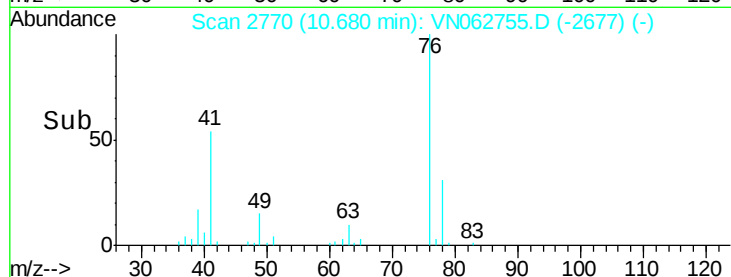
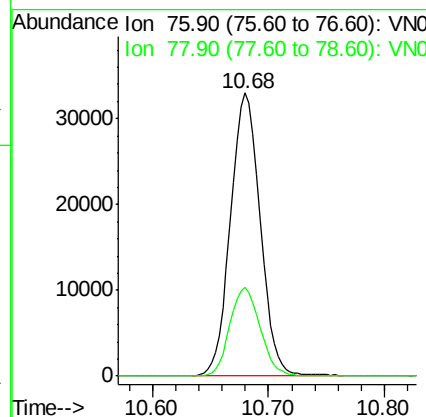
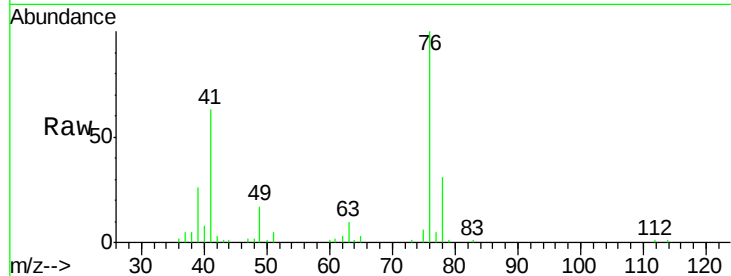
#57
 1,3-Dichloropropane
 Concen: 18.588 ug/l
 RT: 10.68 min Scan# 2770
 Delta R.T. -0.00 min
 Lab File: VN062755.D
 Acq: 5 Aug 2020 11:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	76	Resp	58450
Ion Ratio	Lower	Upper	
76	100		
78	31.8	25.4	38.0

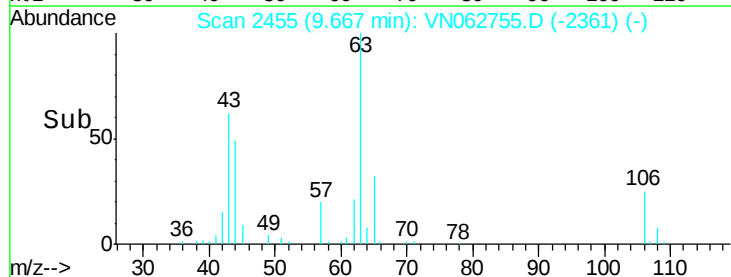
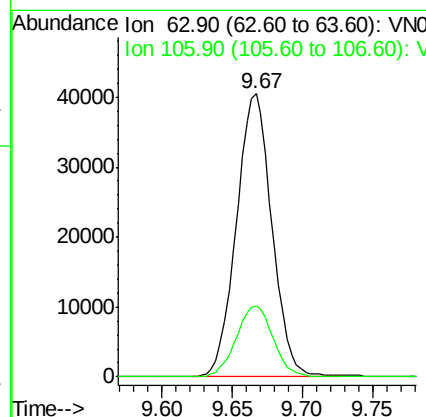
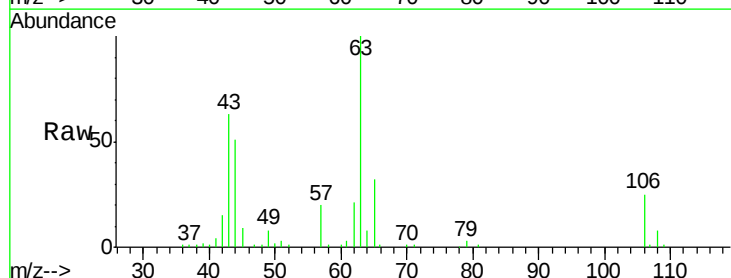
Manual Integrations
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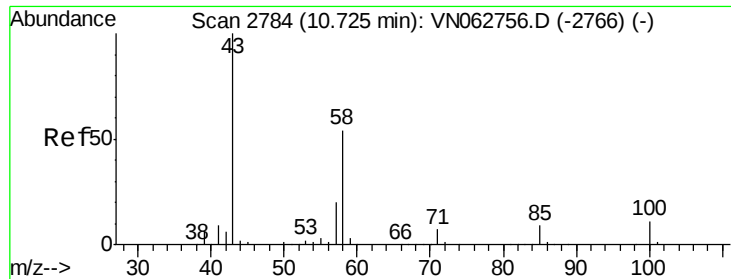
MMDadoda
 8/6/2020 1:51:44 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 92.091 ug/l
 RT: 9.67 min Scan# 2455
 Delta R.T. 0.00 min
 Lab File: VN062755.D
 Acq: 5 Aug 2020 11:51

Tgt Ion	63	Resp	71453
Ion Ratio	Lower	Upper	
63	100		
106	25.8	20.9	31.3





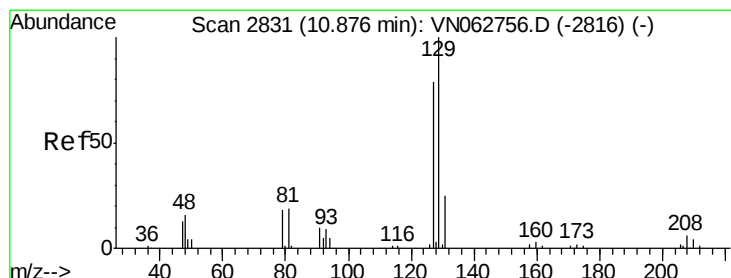
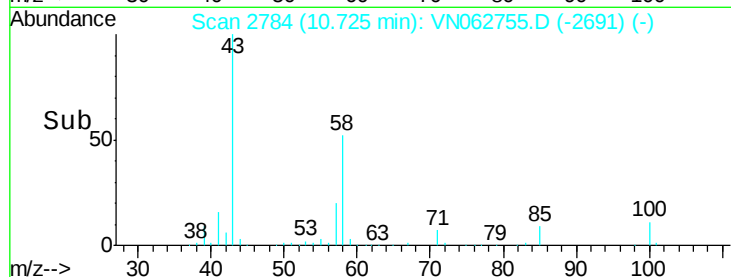
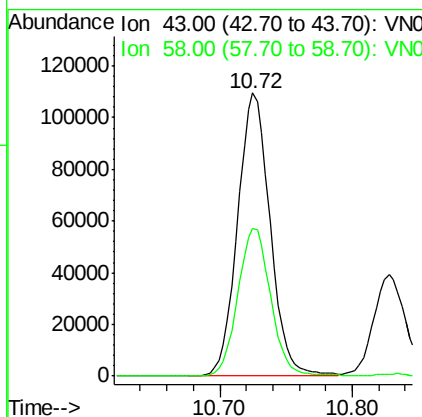
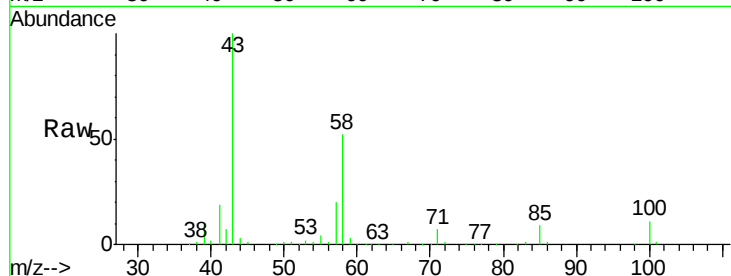
#59
2-Hexanone
Concen: 99.108 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. -0.00 min
Lab File: VN062755.D
Acq: 5 Aug 2020 11:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 185764
Ion Ratio Lower Upper
43 100
58 53.2 26.7 80.1

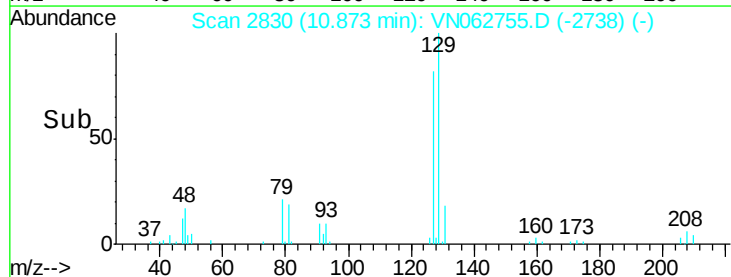
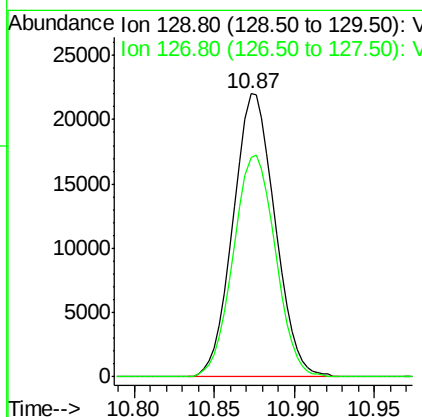
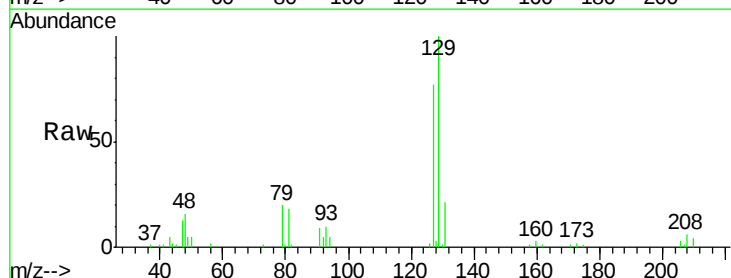
Manual Integrations
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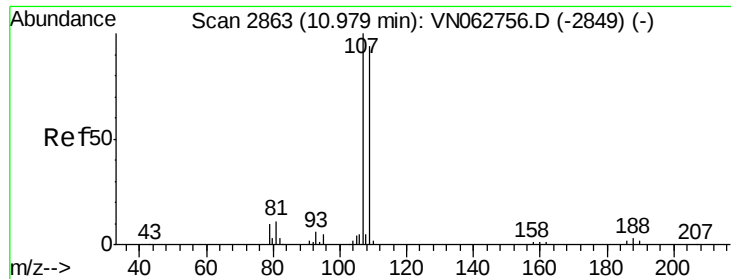
MMDadoda
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#60
Dibromochloromethane
Concen: 20.241 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN062755.D
Acq: 5 Aug 2020 11:51

Tgt Ion: 129 Resp: 39318
Ion Ratio Lower Upper
129 100
127 78.7 39.1 117.2





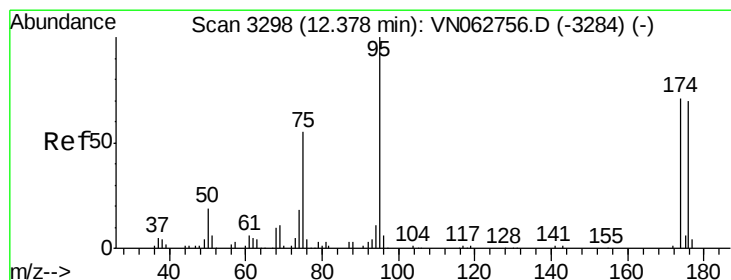
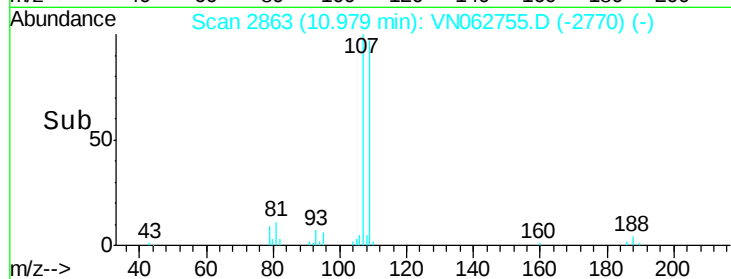
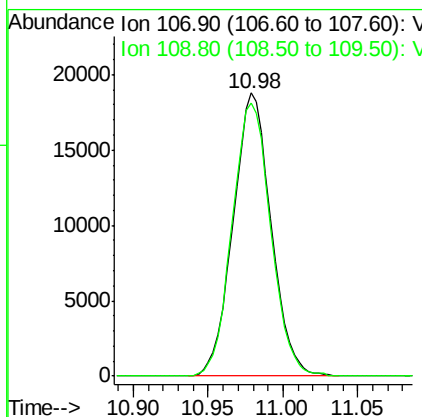
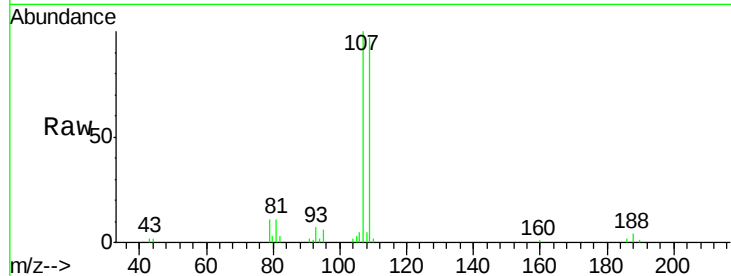
#61
 1,2-Dibromoethane
 Concen: 18.535 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. -0.00 min
 Lab File: VN062755.D
 Acq: 5 Aug 2020 11:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
107	100		
109	98.0	76.1	114.1

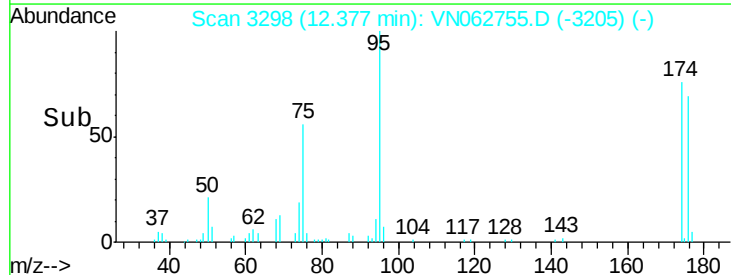
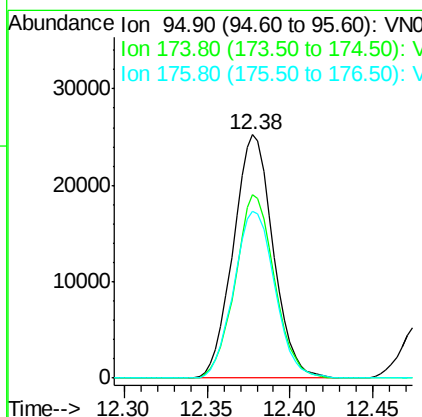
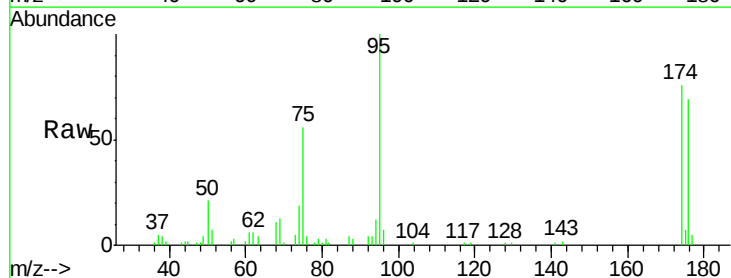
Manual Integrations
 APPROVED

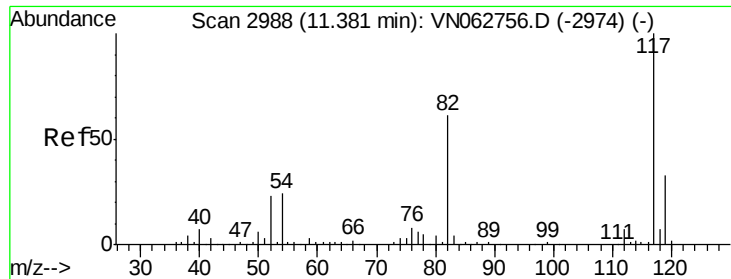
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 8/6/2020 1:51:44 PM



#62
 4-Bromofluorobenzene
 Concen: 18.381 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VN062755.D
 Acq: 5 Aug 2020 11:51

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.9	0.0	144.8
176	70.5	0.0	142.2





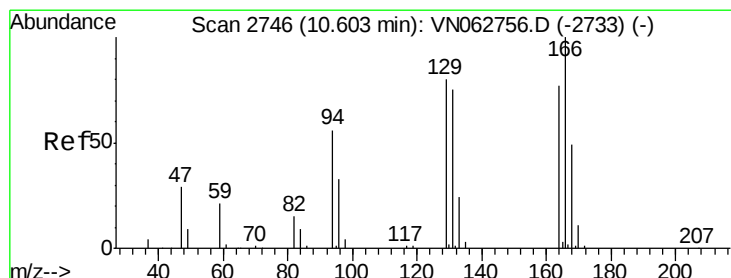
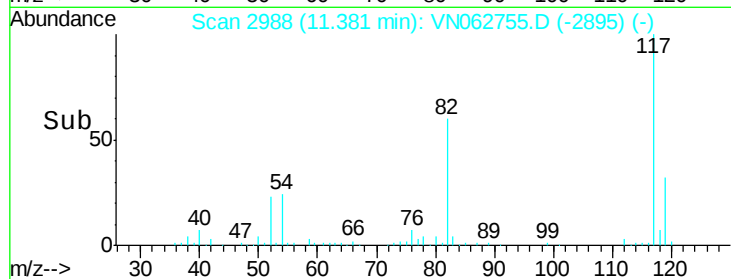
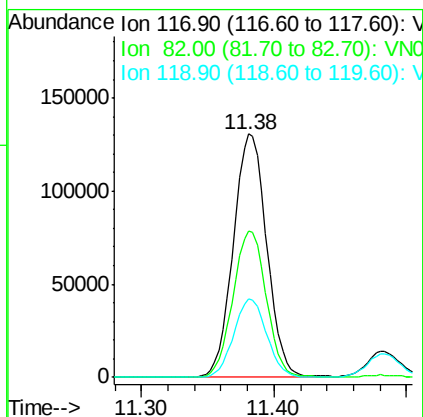
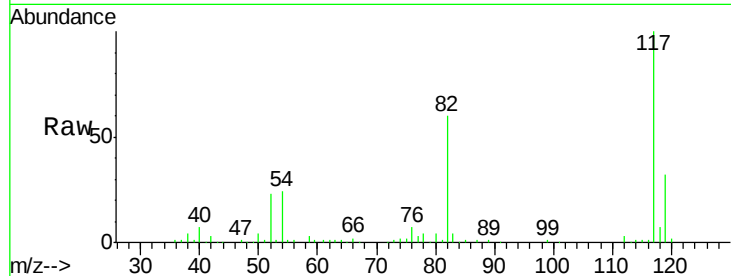
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062755.D
Acq: 5 Aug 2020 11:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.4	49.0	73.4
119	32.2	26.2	39.2

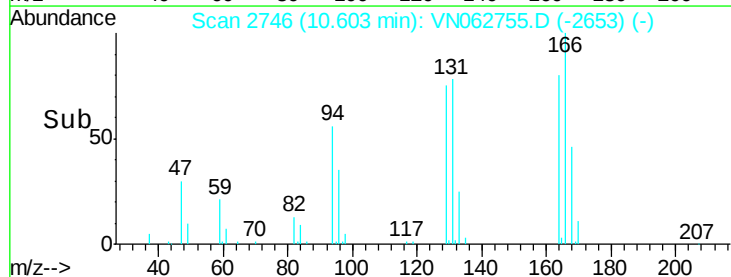
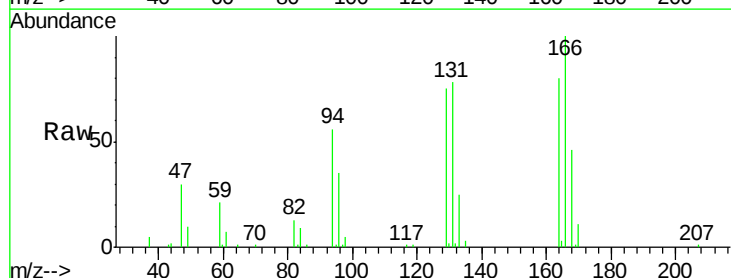
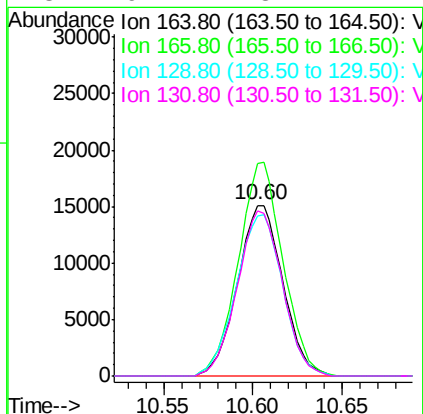
Manual Integrations
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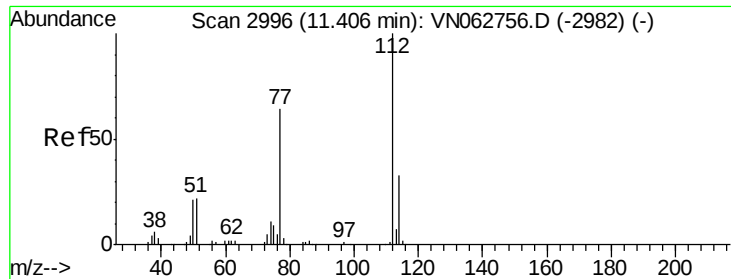
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#64
Tetrachloroethene
Concen: 18.004 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN062755.D
Acq: 5 Aug 2020 11:51

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.8	103.8	155.8
129	94.2	82.7	124.1
131	97.2	78.2	117.2





#65

Chlorobenzene

Concen: 17.963 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN062755.D

Acq: 5 Aug 2020 11:51

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion:112 Resp: 85994

Ion Ratio Lower Upper

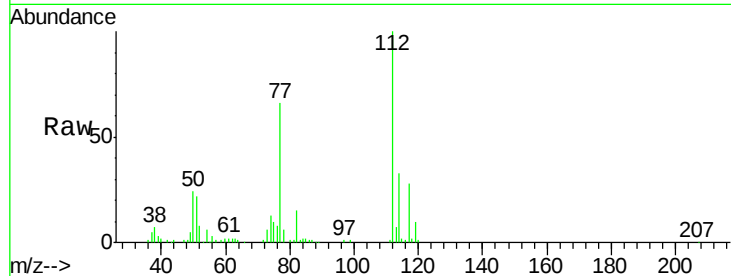
112 100

114 32.6 26.2 39.4

Manual Integrations
APPROVED

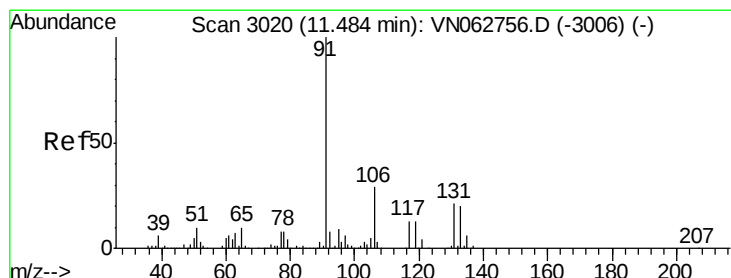
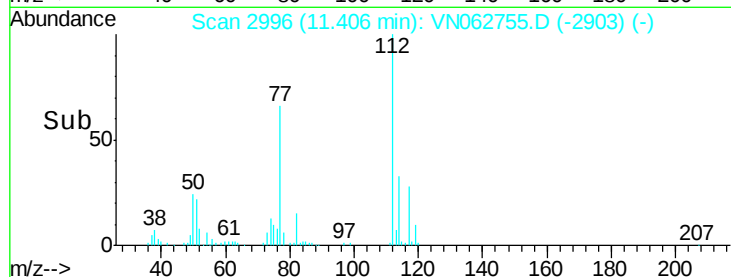
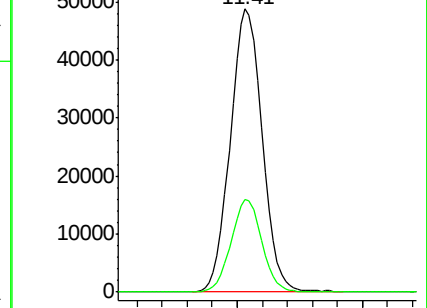
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.466 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. -0.00 min

Lab File: VN062755.D

Acq: 5 Aug 2020 11:51

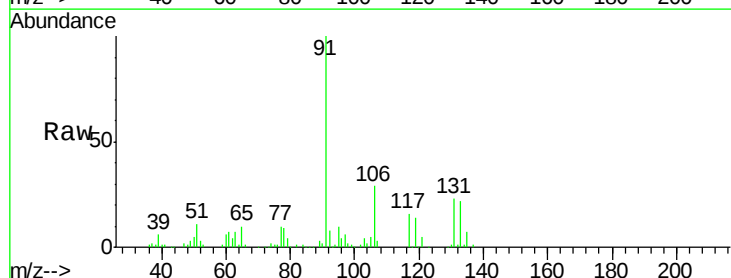
Tgt Ion:131 Resp: 35599

Ion Ratio Lower Upper

131 100

133 95.8 48.6 145.8

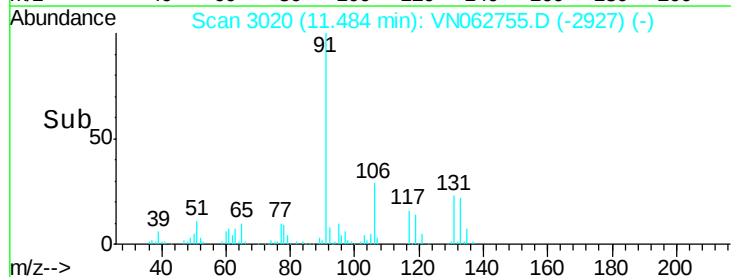
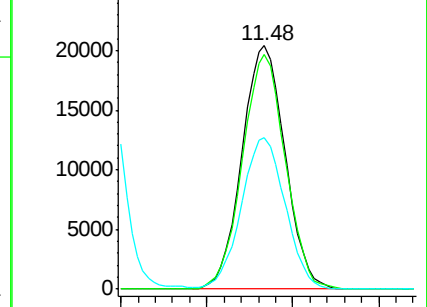
119 63.4 32.2 96.6

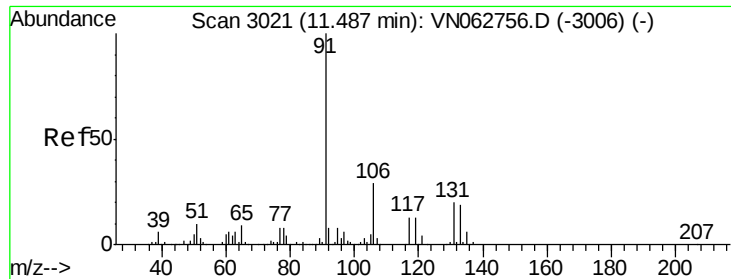


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





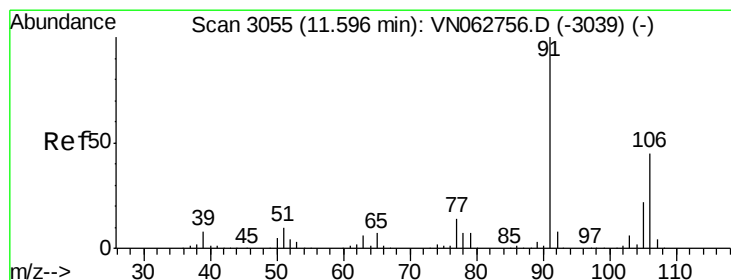
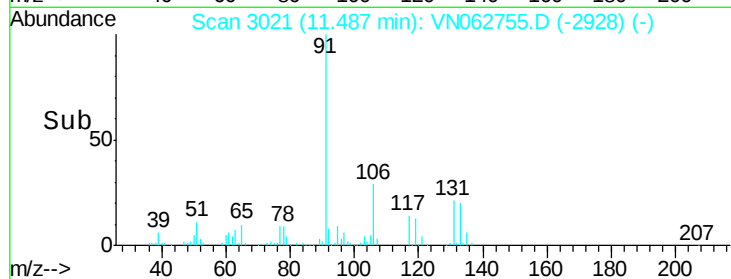
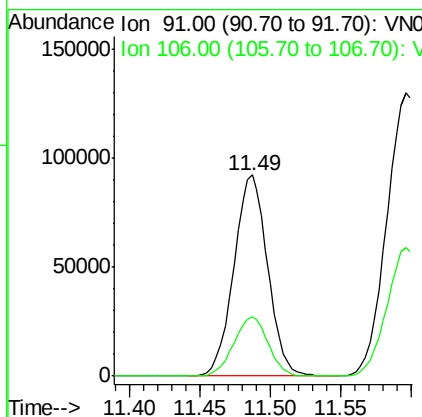
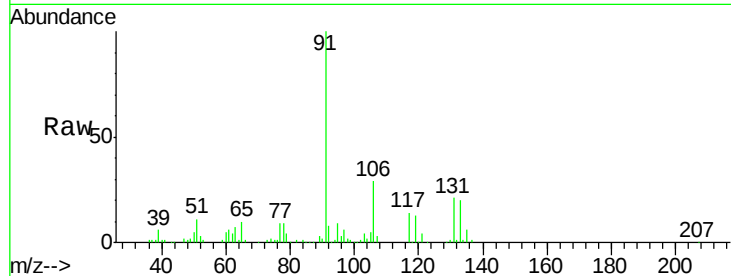
#67
Ethyl Benzene
Concen: 17.659 ug/l
RT: 11.49 min Scan# 3021
Delta R.T. -0.00 min
Lab File: VN062755.D
Acq: 5 Aug 2020 11:51

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	91	Resp	154903
Ion Ratio	100	Lower	Upper
106	29.3	23.2	34.8

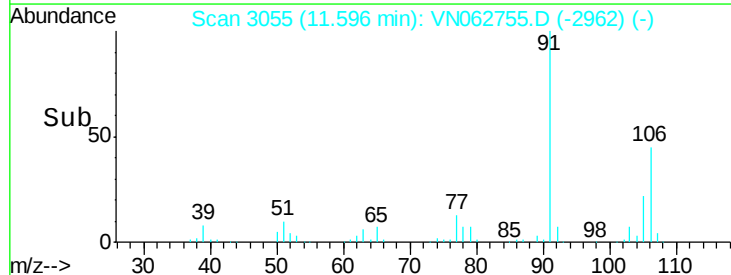
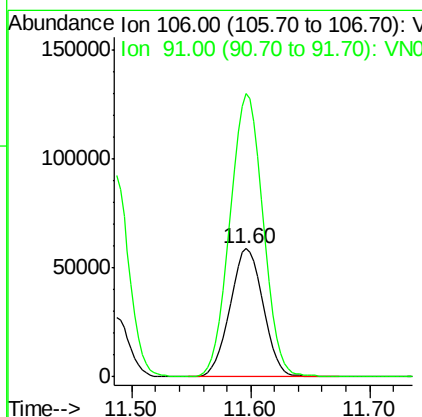
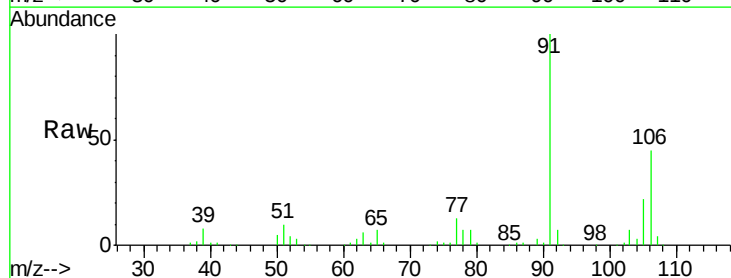
Manual Integrations
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#68
m/p-Xylenes
Concen: 36.122 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. -0.00 min
Lab File: VN062755.D
Acq: 5 Aug 2020 11:51

Tgt Ion	106	Resp	114175
Ion Ratio	100	Lower	Upper
91	218.9	175.9	263.9





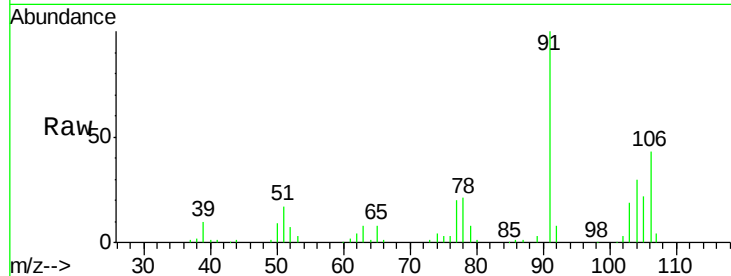
#69
o-Xylene
Concen: 17.905 ug/l
RT: 11.92 min Scan# 3157
Delta R.T. 0.00 min
Lab File: VN062755.D
Acq: 5 Aug 2020 11:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

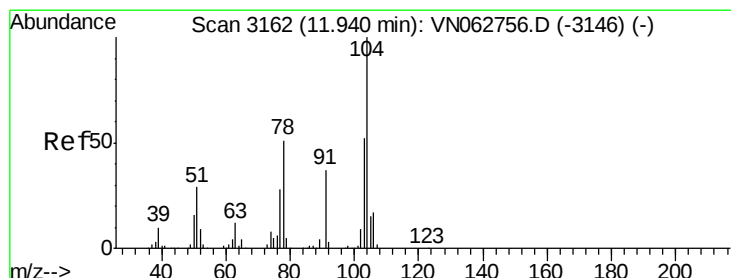
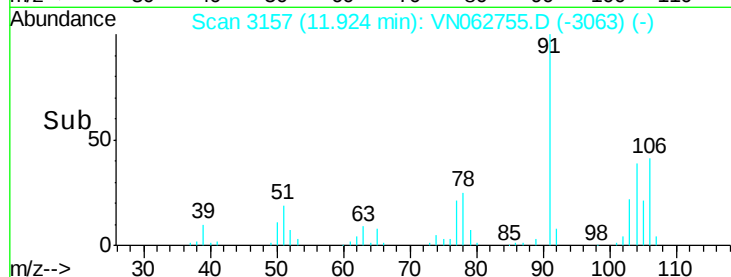
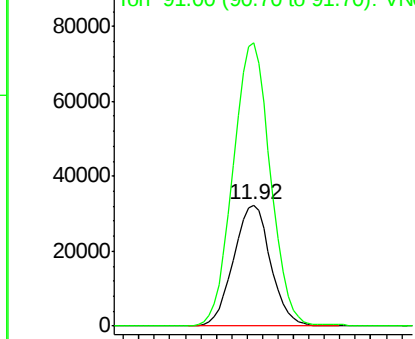
Tot Ion:106 Resp: 53841
Ion Ratio Lower Upper
106 100
91 235.7 115.8 347.4

Manual Integrations
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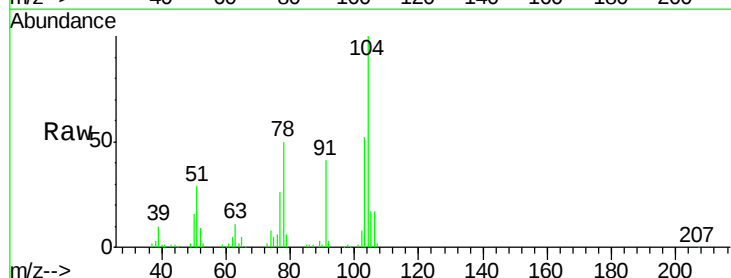


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

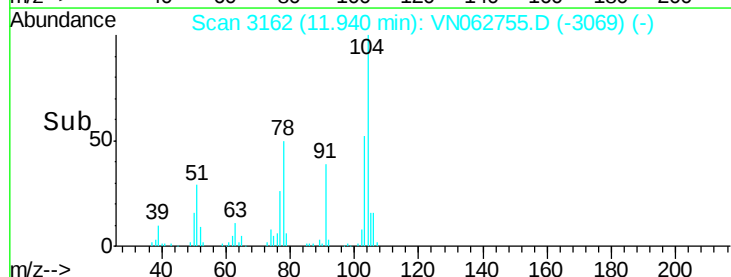
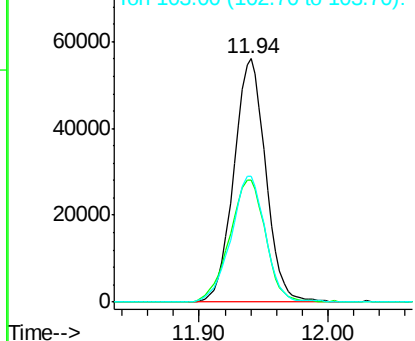


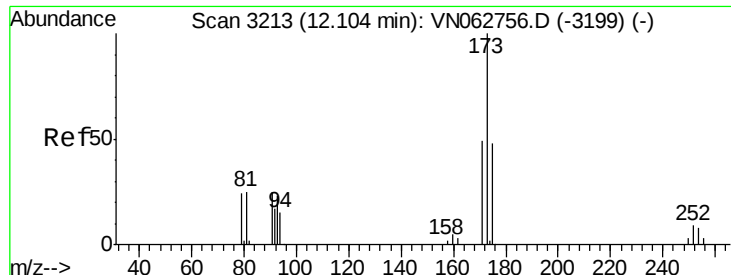
#70
Styrene
Concen: 18.930 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN062755.D
Acq: 5 Aug 2020 11:51

Tgt Ion:104 Resp: 96537
Ion Ratio Lower Upper
104 100
78 56.1 45.9 68.9
103 55.7 45.1 67.7



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





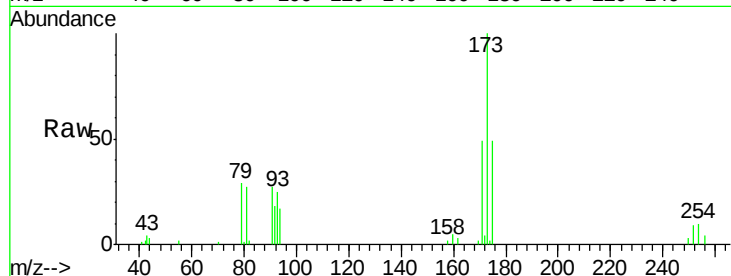
#71
Bromoform
Concen: 20.323 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. -0.00 min
Lab File: VN062755.D
Acq: 5 Aug 2020 11:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

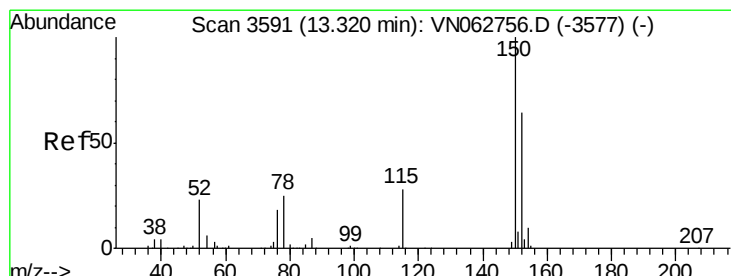
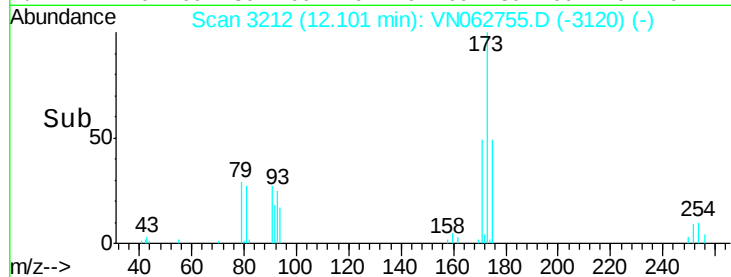
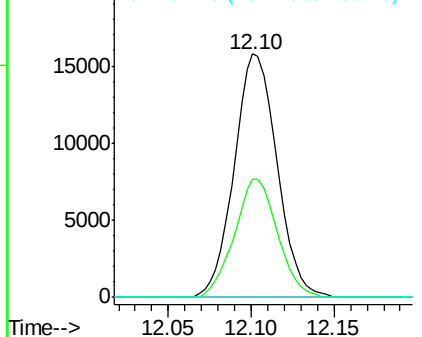
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.0	72.0
254	0.0	0.0	0.0

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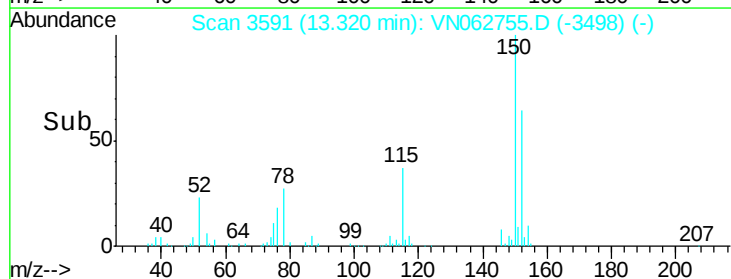
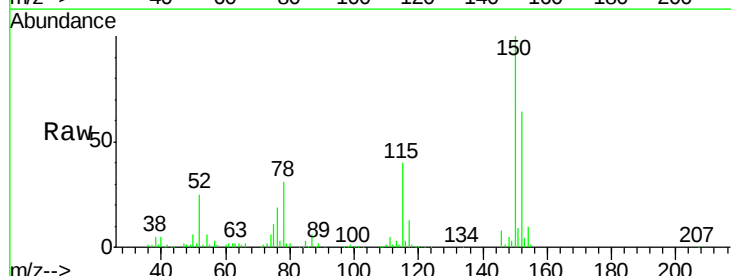
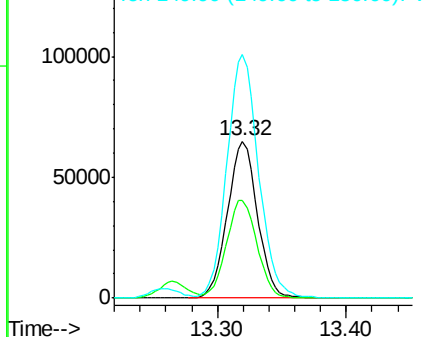
Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

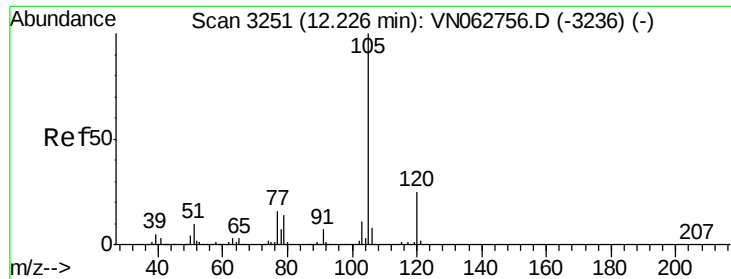


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. -0.00 min
Lab File: VN062755.D
Acq: 5 Aug 2020 11:51

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.7	31.6	94.8
150	162.5	0.0	349.2

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





#73

Isopropylbenzene

Concen: 18.681 ug/l

RT: 12.23 min Scan# 3251

Delta R.T. -0.00 min

Lab File: VN062755.D

Acq: 5 Aug 2020 11:51

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 105 Resp: 154313

Ion Ratio Lower Upper

105 100

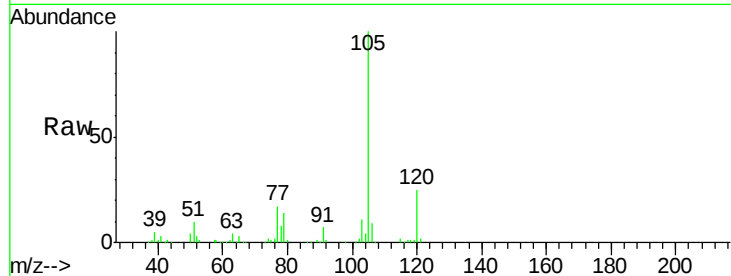
120 25.7 12.6 37.8

Manual Integrations

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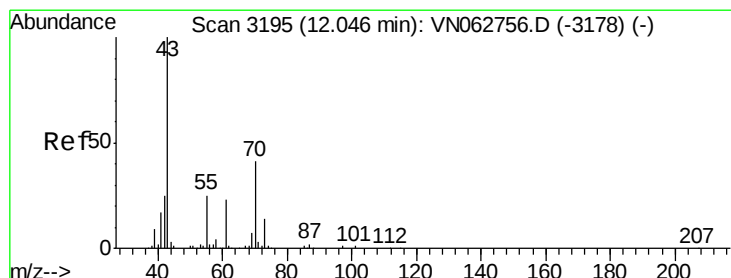
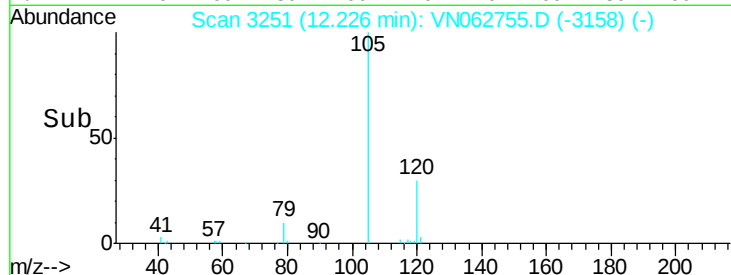
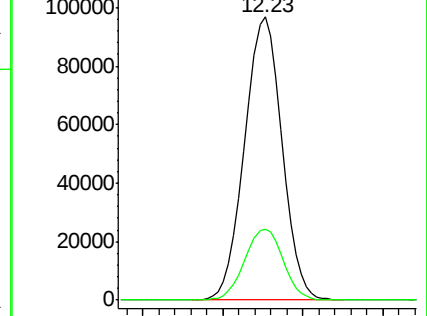
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 17.522 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. -0.00 min

Lab File: VN062755.D

Acq: 5 Aug 2020 11:51

Tgt Ion: 43 Resp: 63200

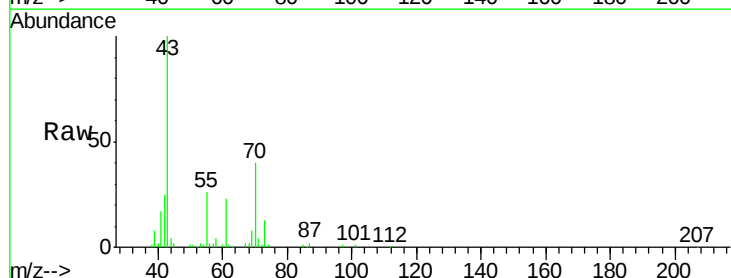
Ion Ratio Lower Upper

43 100

70 40.2 32.3 48.5

55 26.0 20.2 30.2

61 23.3 18.2 27.4

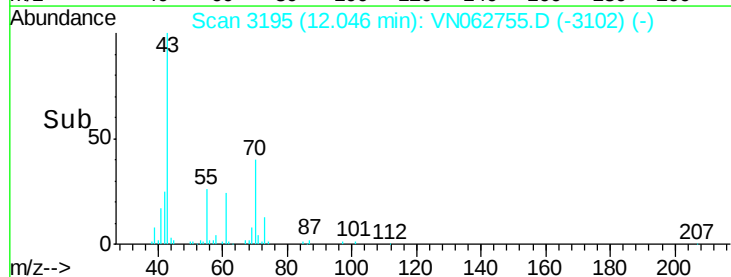
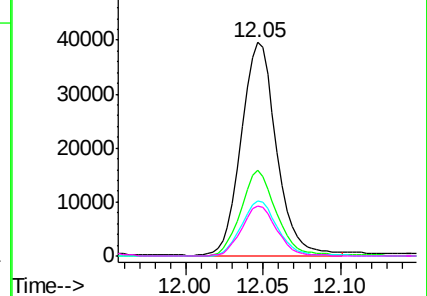


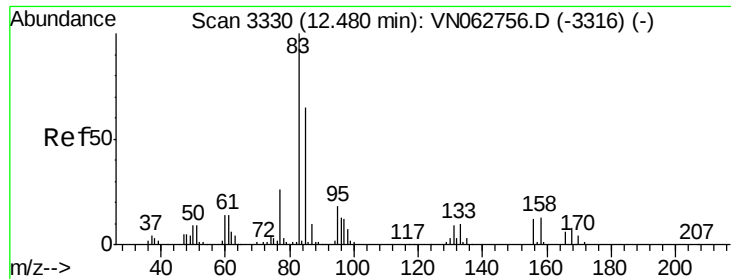
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 18.725 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. -0.00 min

Lab File: VN062755.D

Acq: 5 Aug 2020 11:51

Instrument :

MSVOA_N

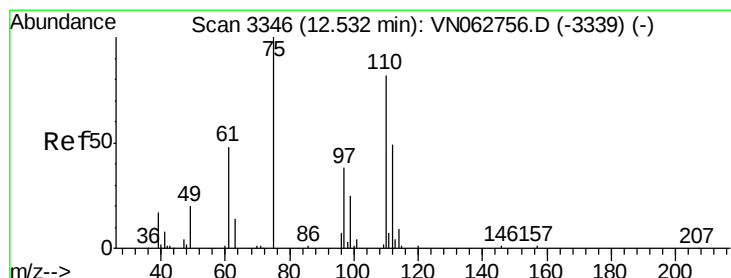
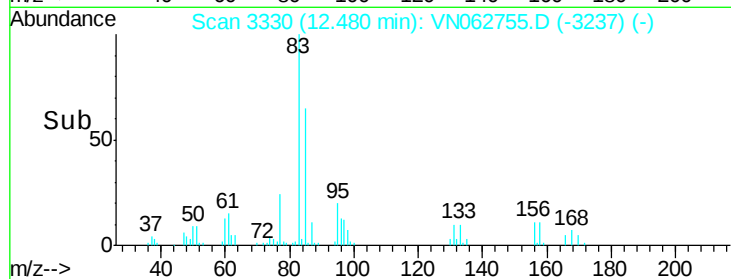
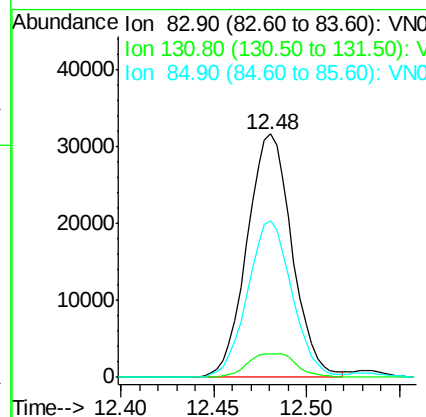
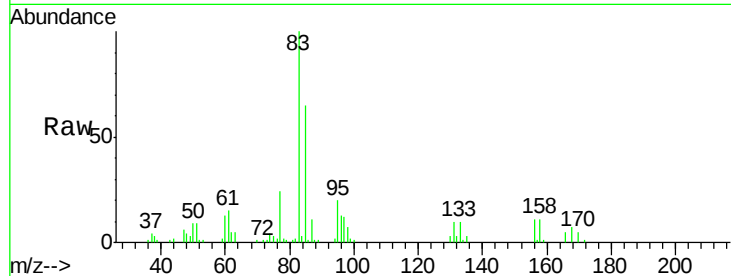
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	53564
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.1	15.4
85	63.6	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.801 ug/l m

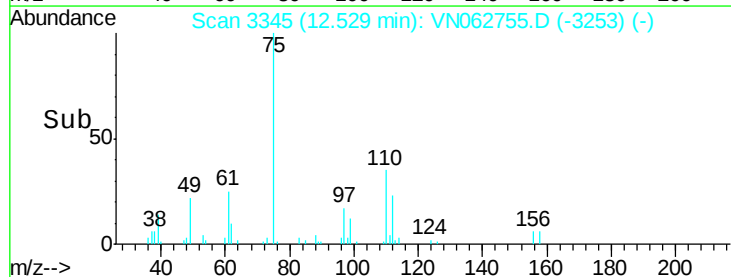
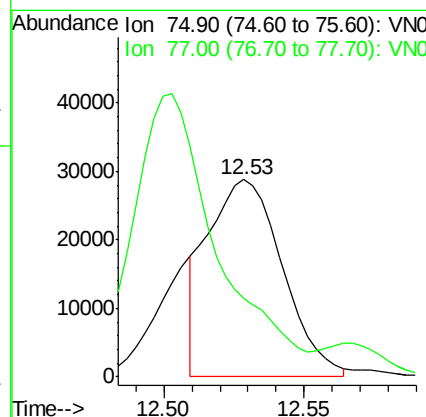
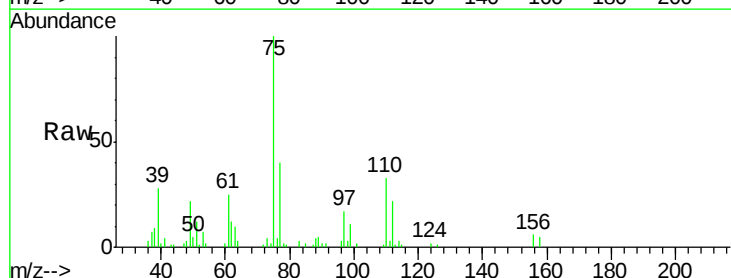
RT: 12.53 min Scan# 3345

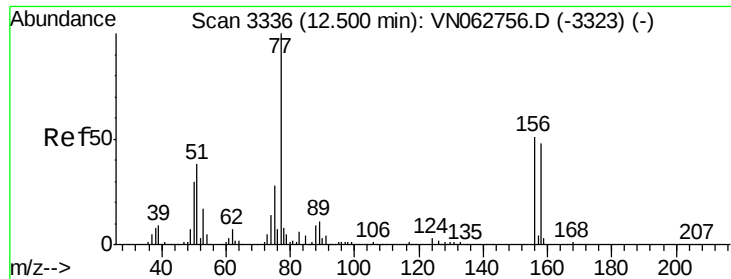
Delta R.T. -0.00 min

Lab File: VN062755.D

Acq: 5 Aug 2020 11:51

Tgt Ion:	75	Resp:	53124
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.913 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN062755.D

Acq: 5 Aug 2020 11:51

Instrument :

MSVOA_N

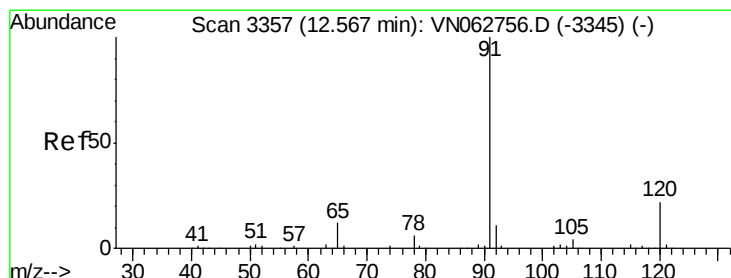
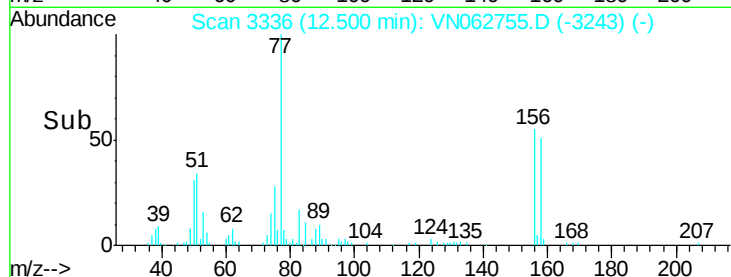
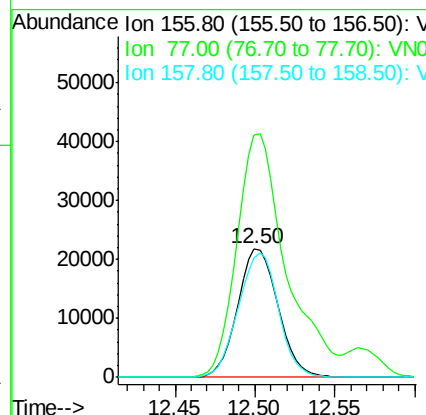
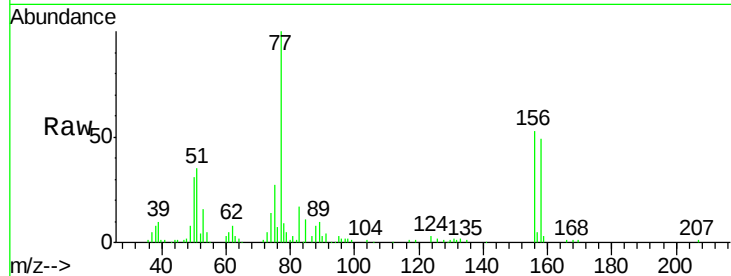
ClientSampled :

VSTDIC020

Tot Ion	Ratio	Lower	Upper
156	100		
77	231.1	119.7	359.1
158	96.2	48.1	144.3

Manual Integrations
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#78

n-propylbenzene

Concen: 18.415 ug/l

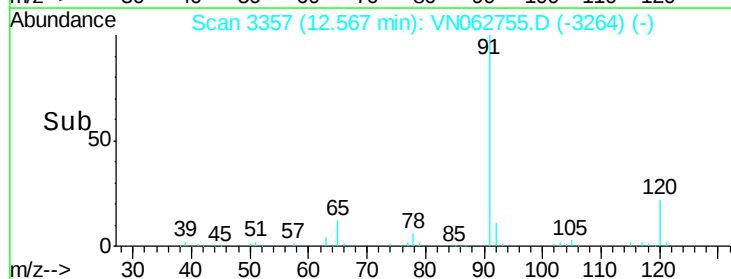
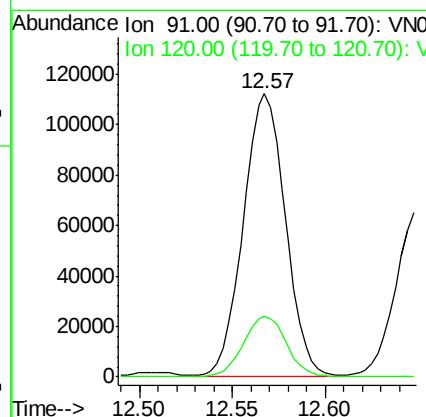
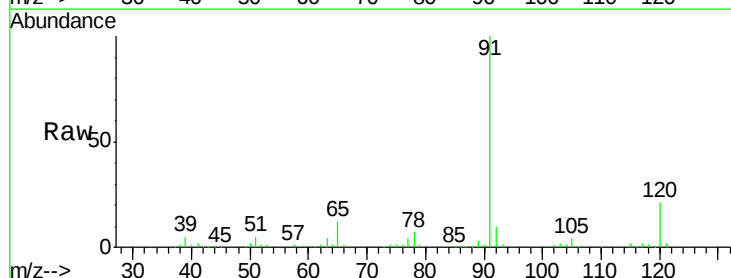
RT: 12.57 min Scan# 3357

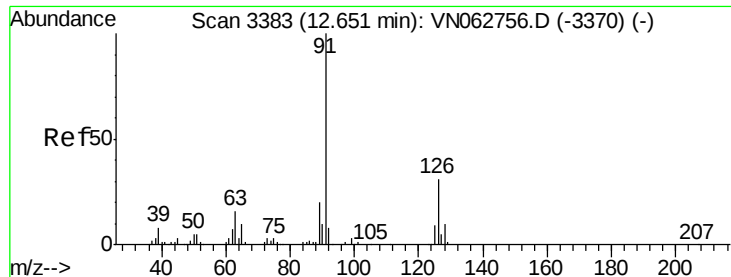
Delta R.T. -0.00 min

Lab File: VN062755.D

Acq: 5 Aug 2020 11:51

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.8	10.9	32.9





#79

2-Chlorotoluene

Concen: 18.622 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. -0.00 min

Lab File: VN062755.D

Acq: 5 Aug 2020 11:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 111101

Ion Ratio Lower Upper

91 100

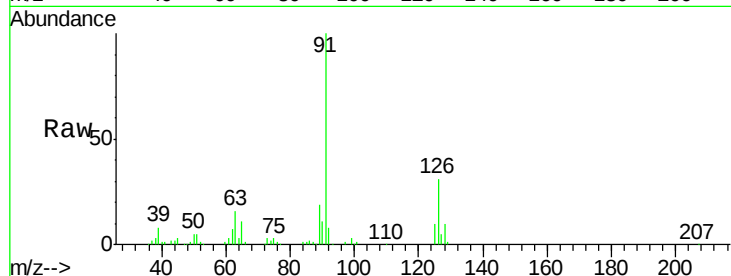
126 31.4 15.6 46.7

Manual Integrations

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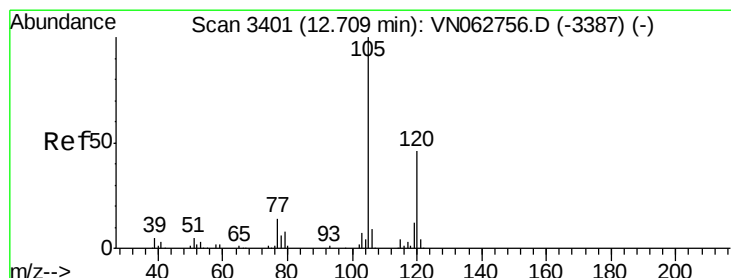
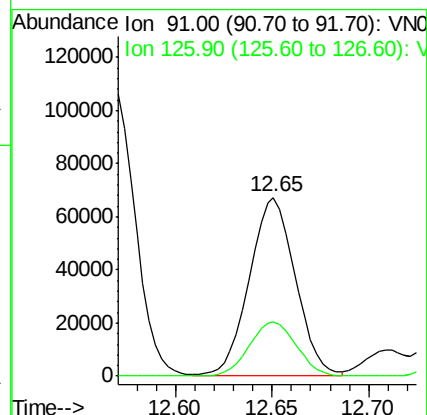
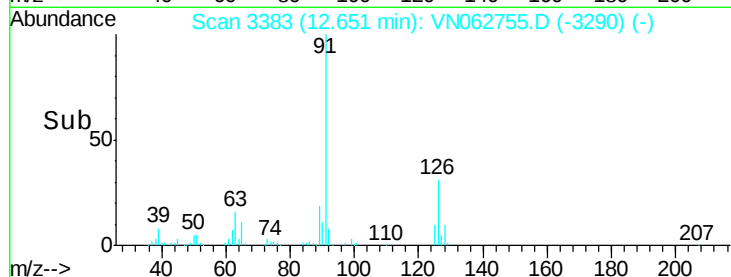
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Abundance Ion 91.00 (90.70 to 91.70): VN062755.D (-3370) (-)

Ion 125.90 (125.60 to 126.60): VN062755.D (-3370) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.248 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN062755.D

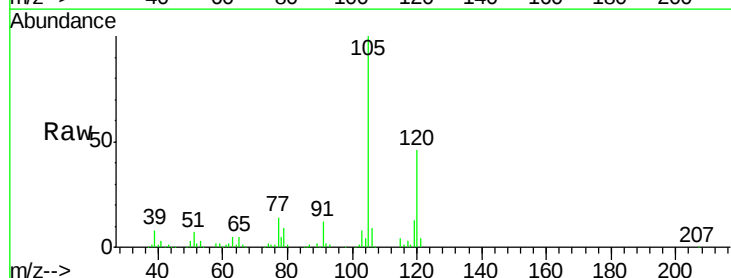
Acq: 5 Aug 2020 11:51

Tgt Ion:105 Resp: 132491

Ion Ratio Lower Upper

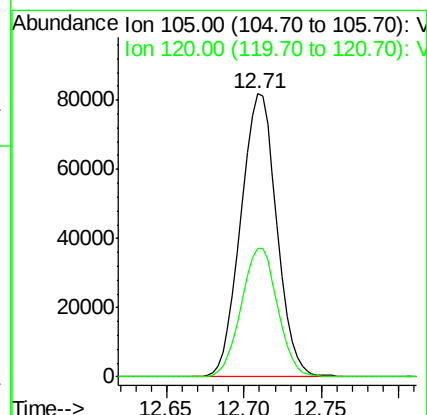
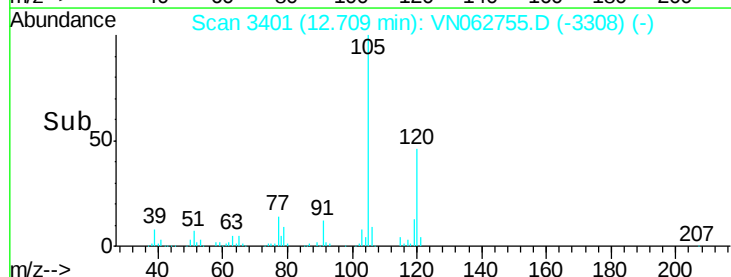
105 100

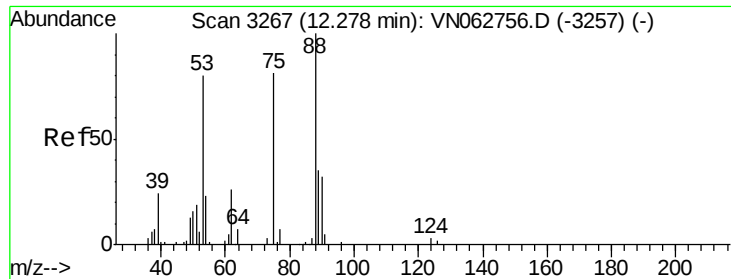
120 45.9 22.9 68.5



Abundance Ion 105.00 (104.70 to 105.70): VN062755.D (-3387) (-)

Ion 120.00 (119.70 to 120.70): VN062755.D (-3387) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.666 ug/l

RT: 12.28 min Scan# 3267

Delta R.T. -0.00 min

Lab File: VN062755.D

Acq: 5 Aug 2020 11:51

Instrument :

MSVOA_N

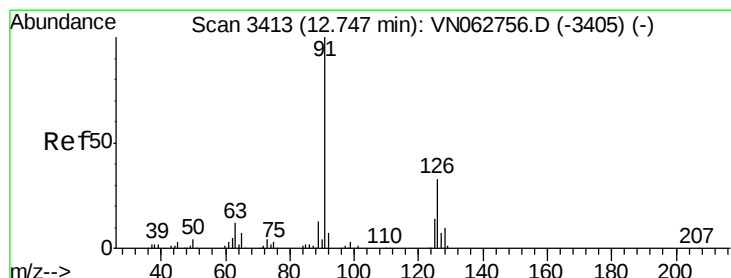
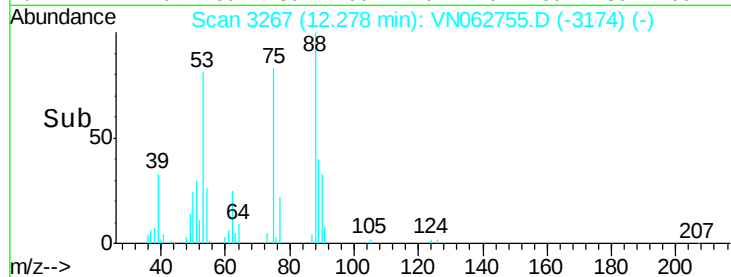
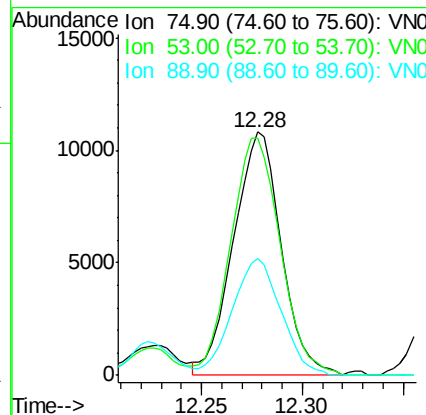
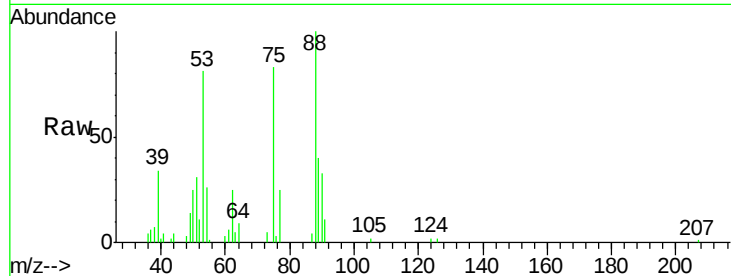
ClientSampleId :

VSTDIC020

Tot Ion:	75	Resp:	17911
Ion	Ratio	Lower	Upper
75	100		
53	101.4	79.1	118.7
89	48.9	36.2	54.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 18.275 ug/l

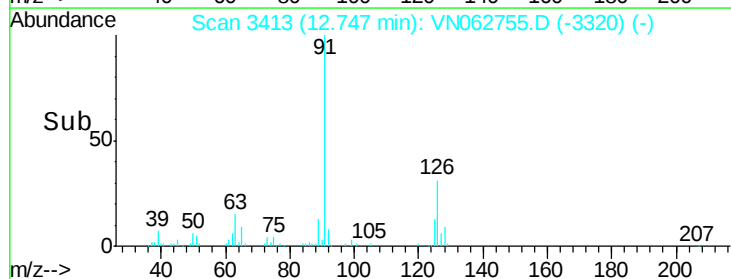
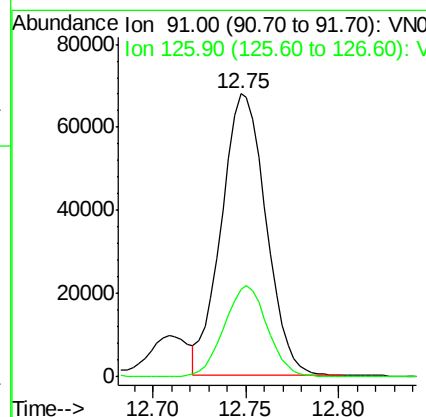
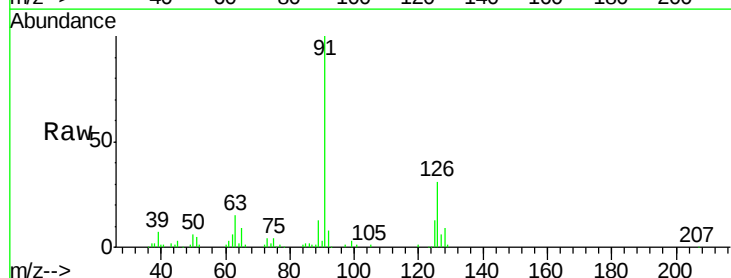
RT: 12.75 min Scan# 3413

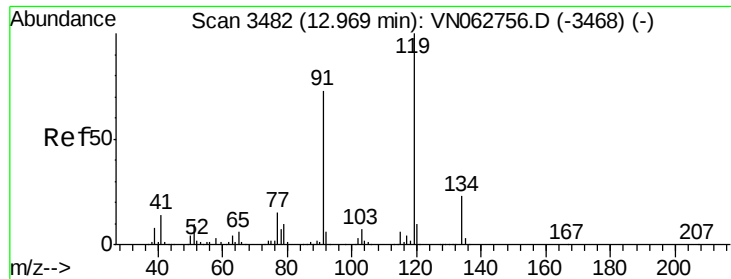
Delta R.T. -0.00 min

Lab File: VN062755.D

Acq: 5 Aug 2020 11:51

Tgt Ion:	91	Resp:	113568
Ion	Ratio	Lower	Upper
91	100		
126	31.5	15.3	45.9





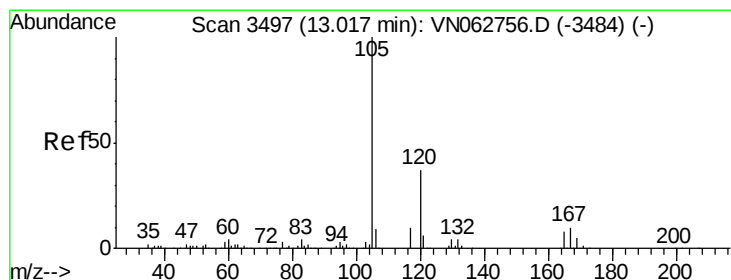
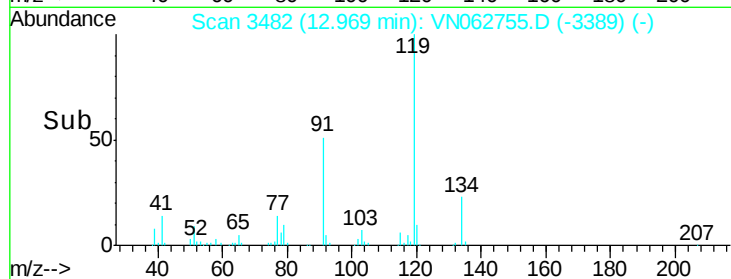
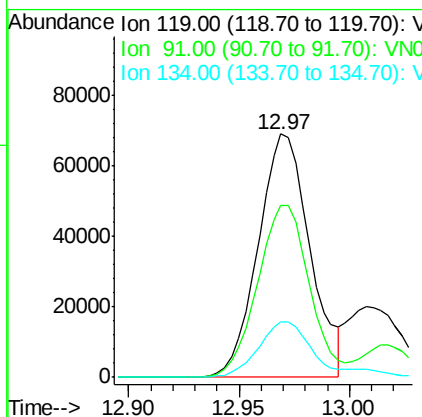
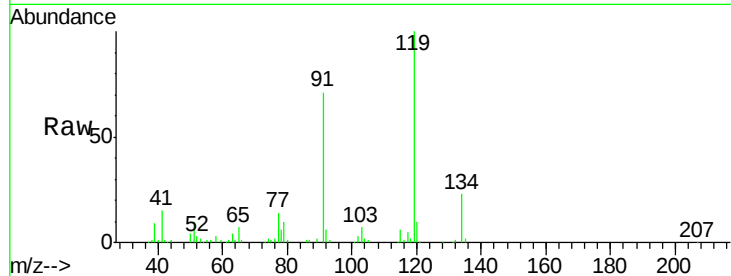
#83
 tert-Butylbenzene
 Concen: 19.589 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN062755.D
 Acq: 5 Aug 2020 11:51

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	112152		
91	70.9	36.5	109.5	
134	23.1	11.3	33.8	

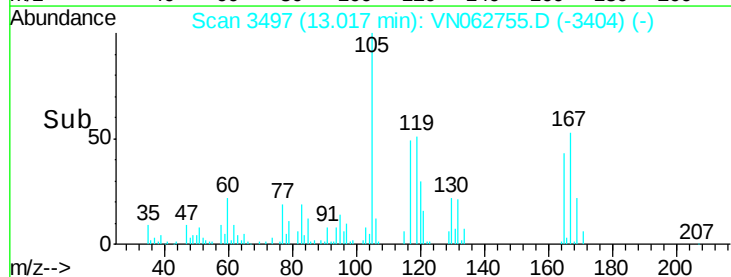
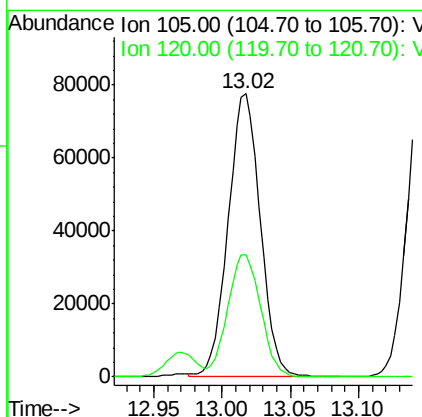
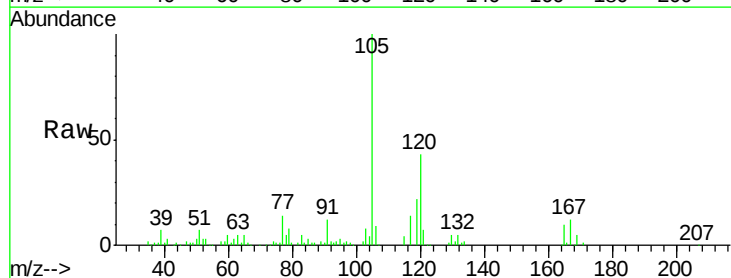
Manual Integrations
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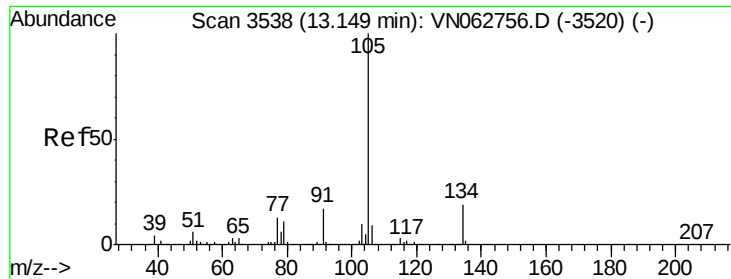
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#84
 1,2,4-Trimethylbenzene
 Concen: 18.672 ug/l
 RT: 13.02 min Scan# 3497
 Delta R.T. -0.00 min
 Lab File: VN062755.D
 Acq: 5 Aug 2020 11:51

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	126139		
120	44.5	21.4	64.2	





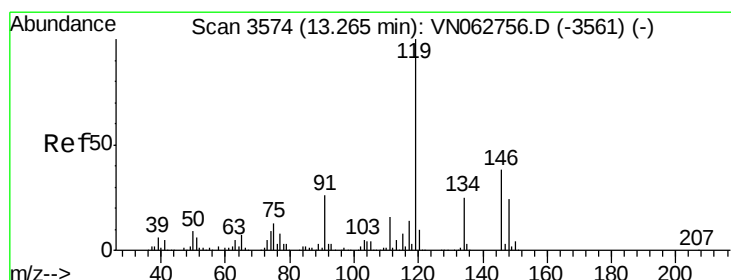
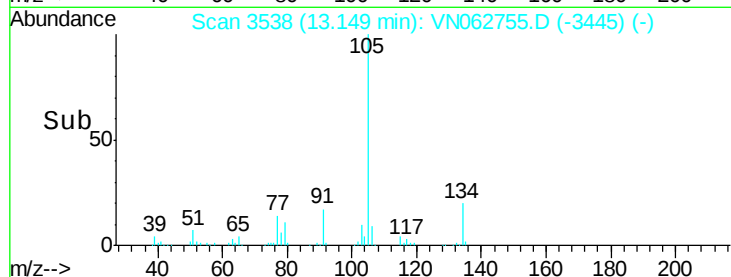
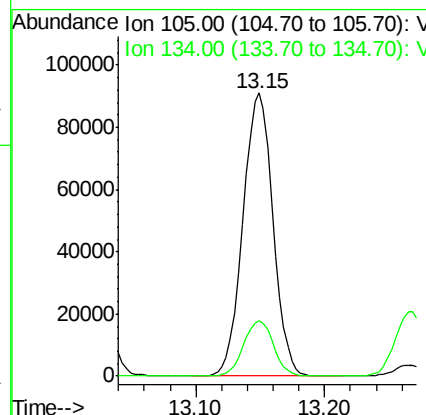
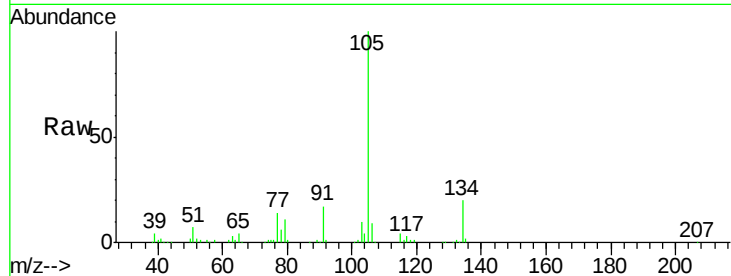
#85
 sec-Butylbenzene
 Concen: 19.222 ug/l
 RT: 13.15 min Scan# 3538
 Delta R.T. -0.00 min
 Lab File: VN062755.D
 Acq: 5 Aug 2020 11:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
105	100	147265		
134	19.4	9.6	28.6	

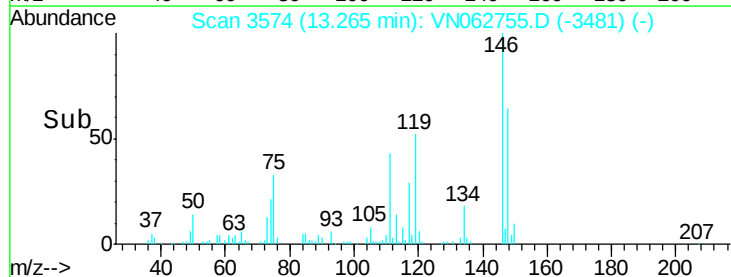
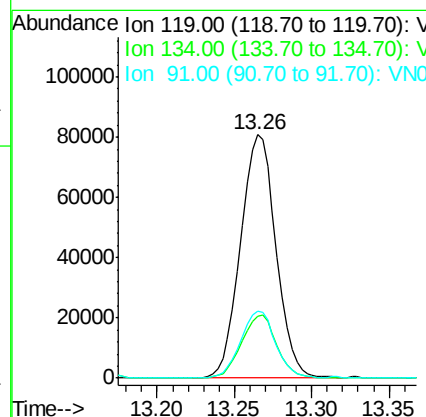
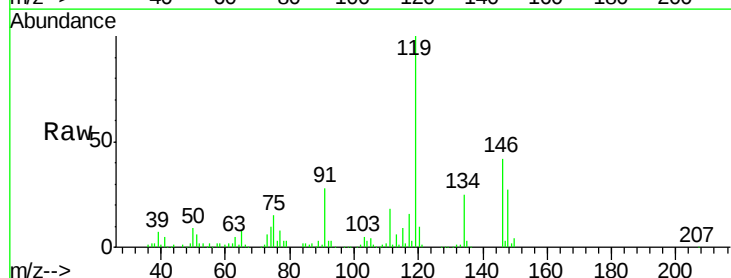
Manual Integrations
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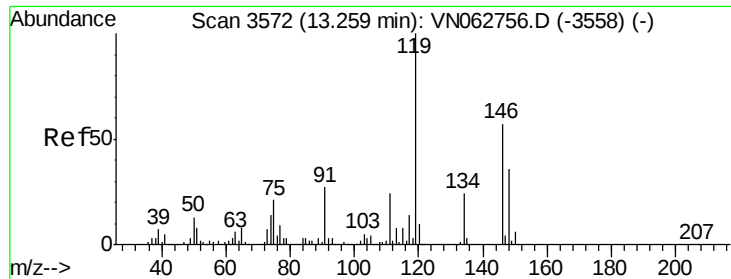
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#86
 p-Isopropyltoluene
 Concen: 19.415 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. -0.00 min
 Lab File: VN062755.D
 Acq: 5 Aug 2020 11:51

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	128680		
134	25.6	12.6	37.8	
91	27.3	13.4	40.2	





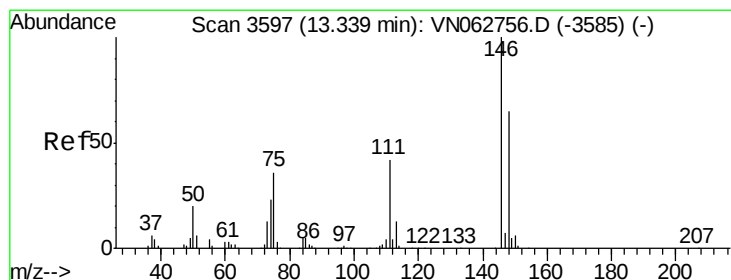
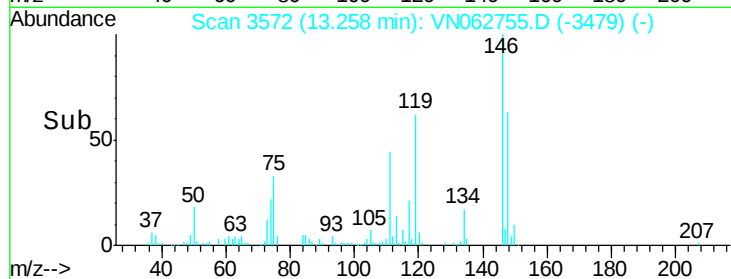
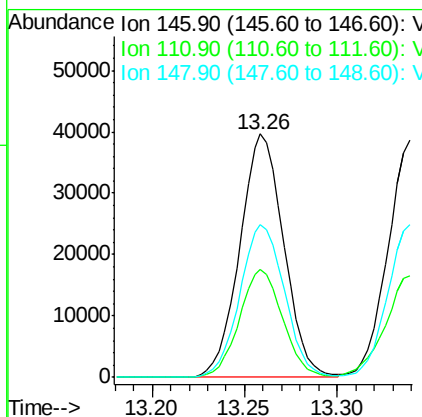
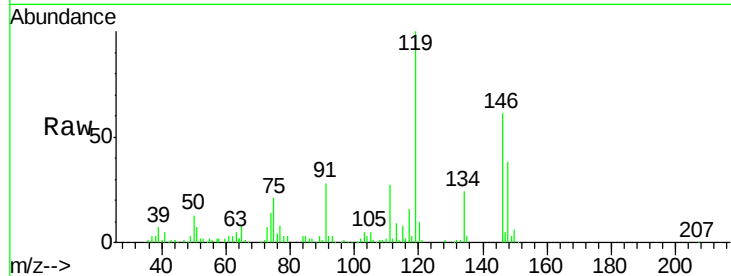
#87
 1,3-Dichlorobenzene
 Concen: 18.503 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN062755.D
 Acq: 5 Aug 2020 11:51

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.7	65.1
148	63.7	31.4	94.2

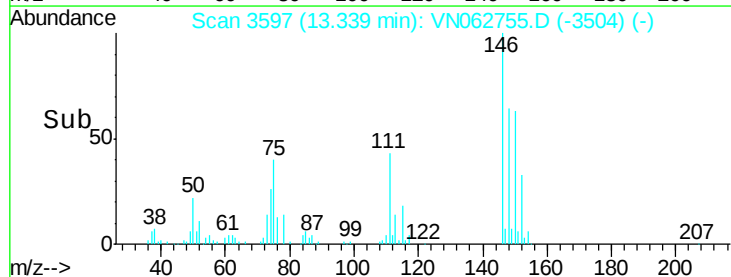
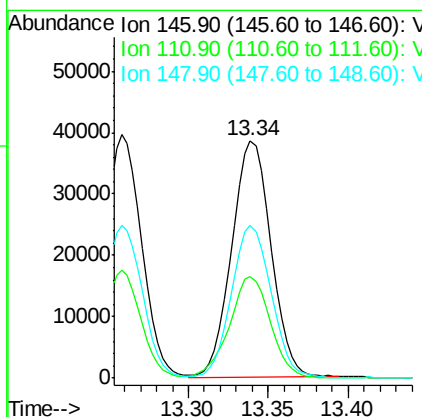
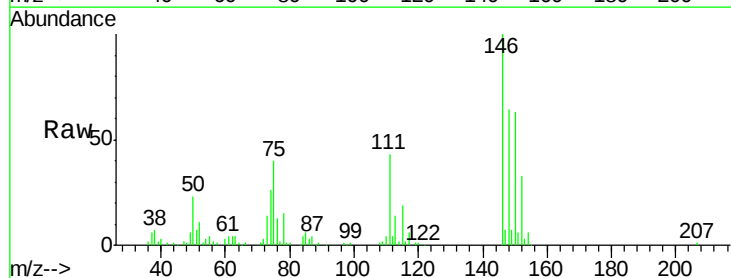
Manual Integrations
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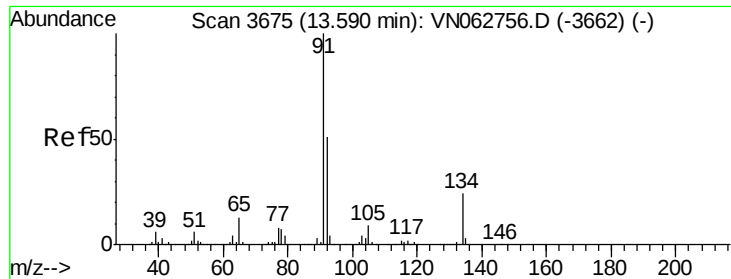
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#88
 1,4-Dichlorobenzene
 Concen: 18.742 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN062755.D
 Acq: 5 Aug 2020 11:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.9	21.6	64.6
148	65.5	32.6	97.8





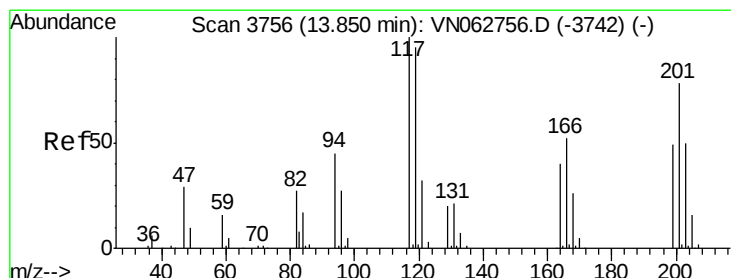
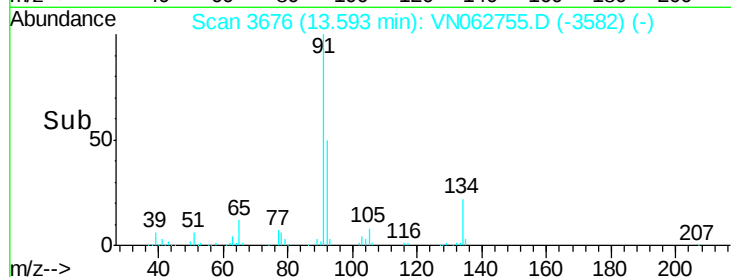
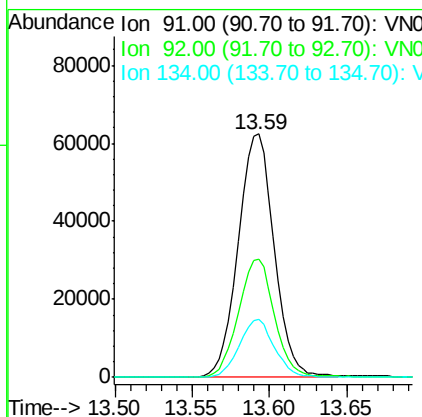
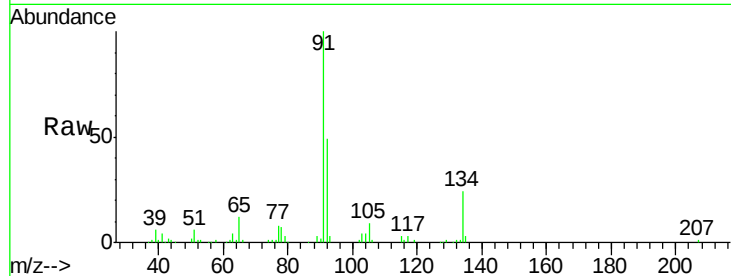
#89
n-Butylbenzene
Concen: 17.819 ug/l
RT: 13.59 min Scan# 3676
Delta R.T. 0.00 min
Lab File: VN062755.D
Acq: 5 Aug 2020 11:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	48.9	25.7	77.0
134	23.1	12.2	36.6

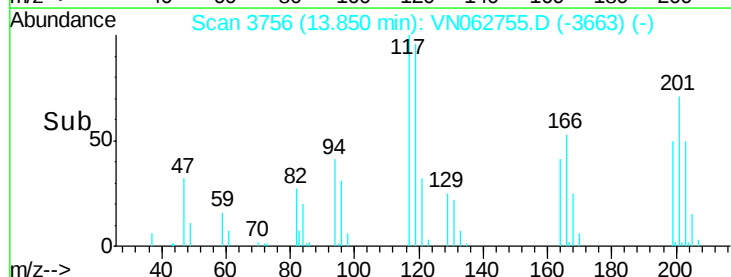
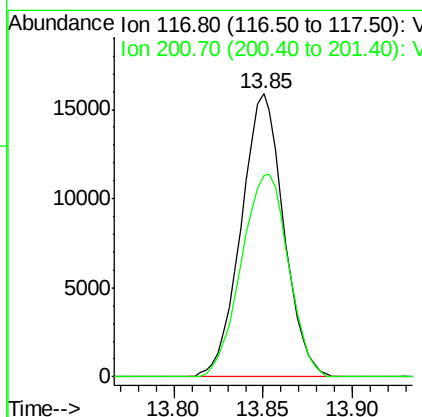
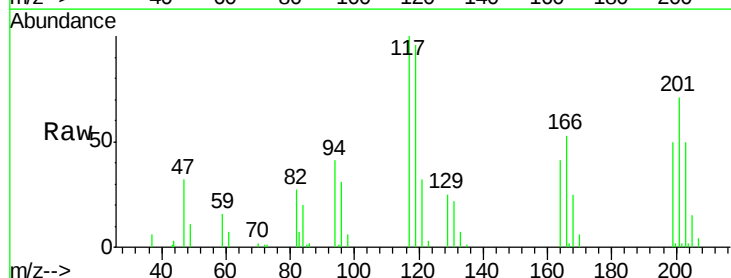
Manual Integrations
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#90
Hexachloroethane
Concen: 18.715 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. -0.00 min
Lab File: VN062755.D
Acq: 5 Aug 2020 11:51

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.1	39.2	117.6





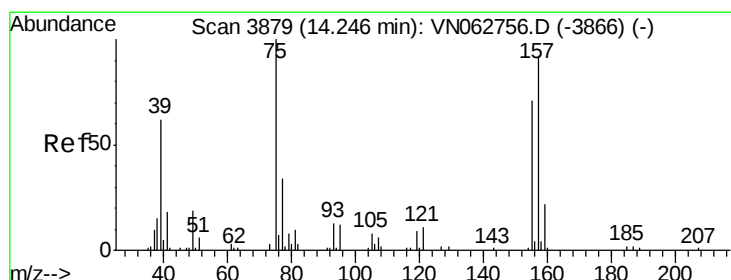
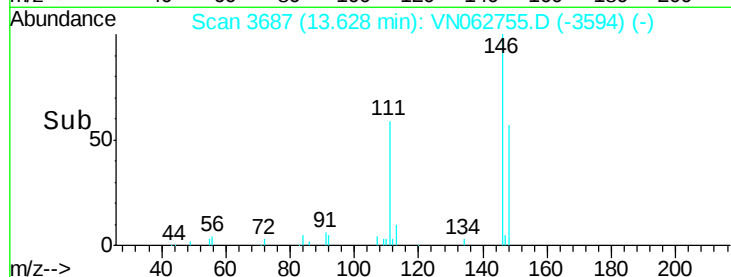
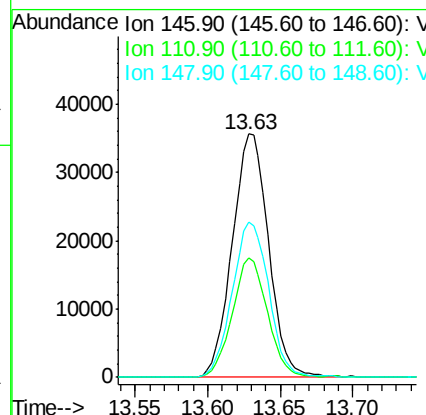
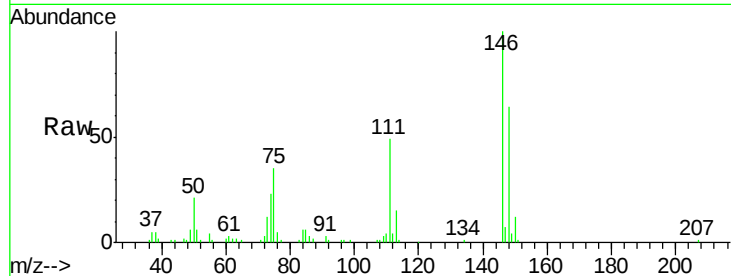
#91
 1,2-Dichlorobenzene
 Concen: 18.514 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN062755.D
 Acq: 5 Aug 2020 11:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.4	22.8	68.4
148	64.3	31.9	95.5

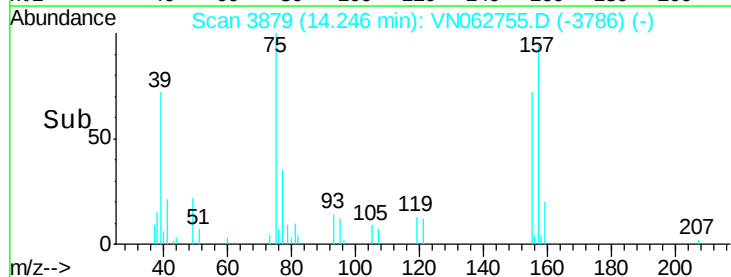
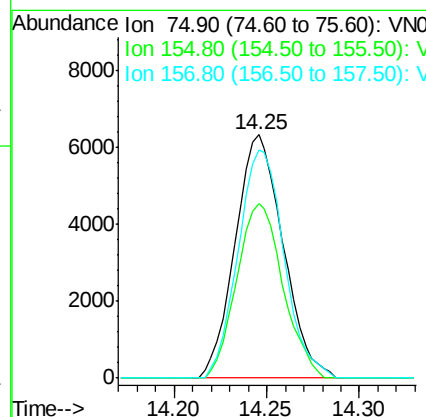
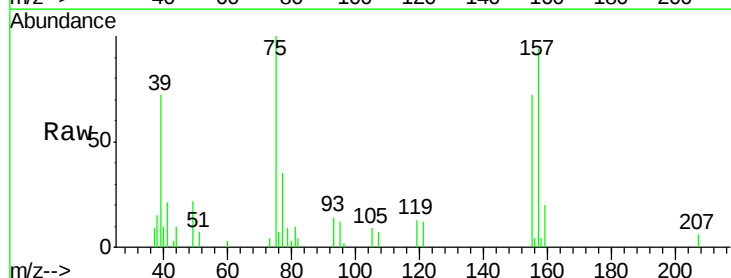
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.113 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. -0.00 min
 Lab File: VN062755.D
 Acq: 5 Aug 2020 11:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	69.1	35.0	105.1
157	90.0	43.2	129.6





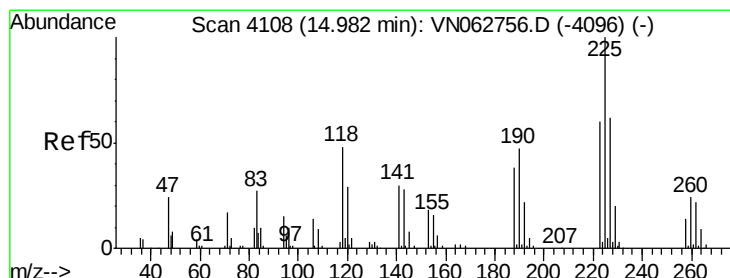
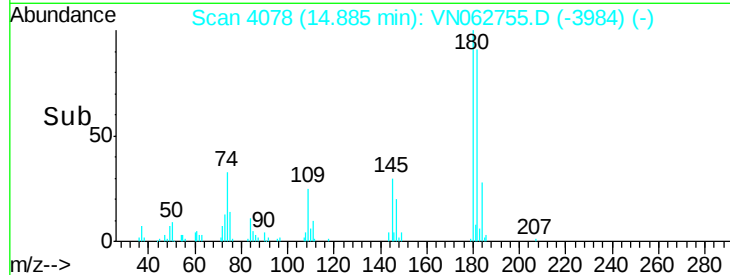
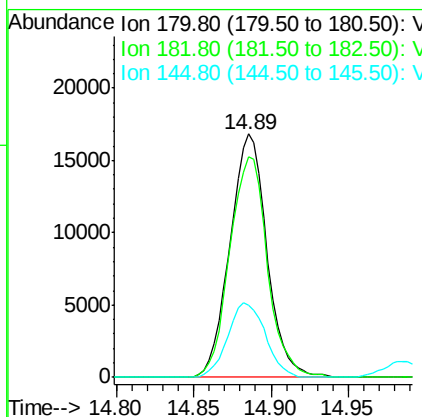
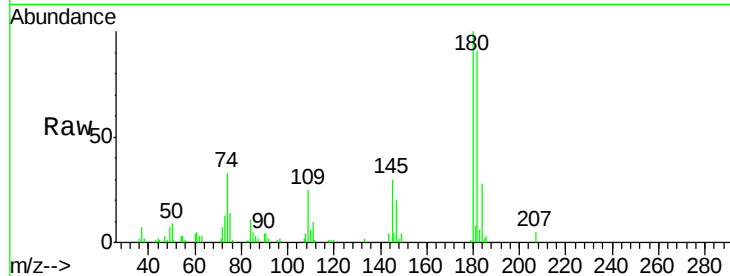
#93
 1,2,4-Trichlorobenzene
 Concen: 18.018 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN062755.D
 Acq: 5 Aug 2020 11:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	27924		
182	92.0		49.1	147.4
145	31.0		16.3	48.8

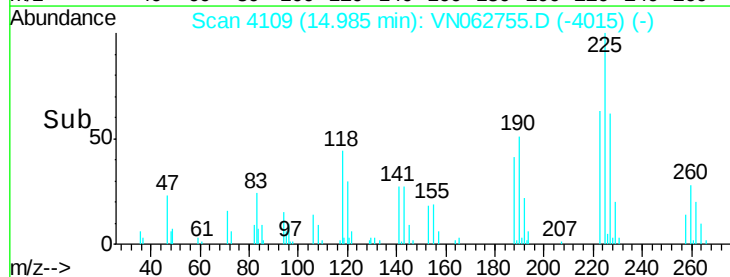
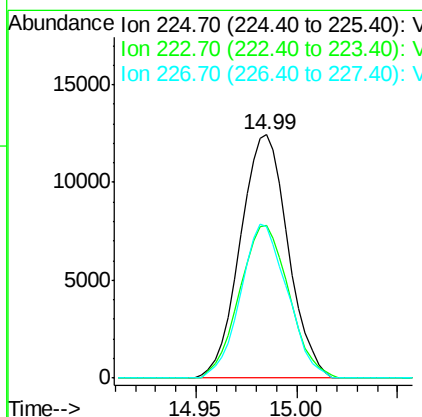
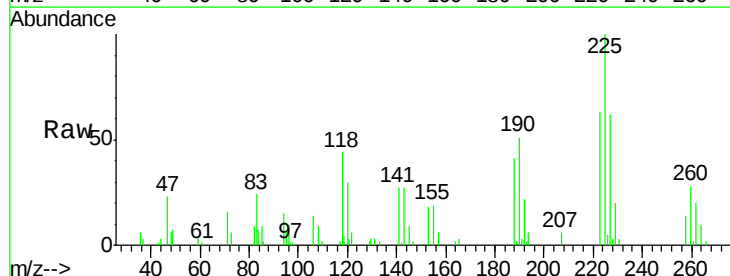
Manual Integrations
 APPROVED

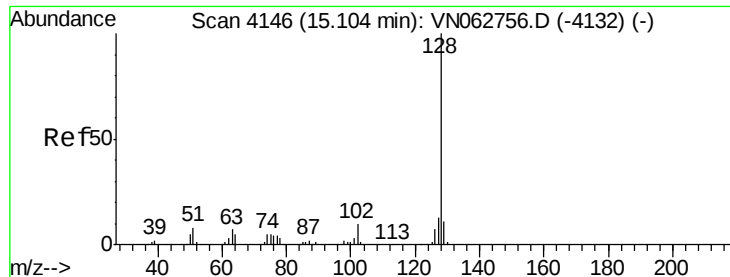
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#94
 Hexachlorobutadiene
 Concen: 20.203 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN062755.D
 Acq: 5 Aug 2020 11:51

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	20626		
223	64.8		30.6	92.0
227	62.1		31.6	95.0





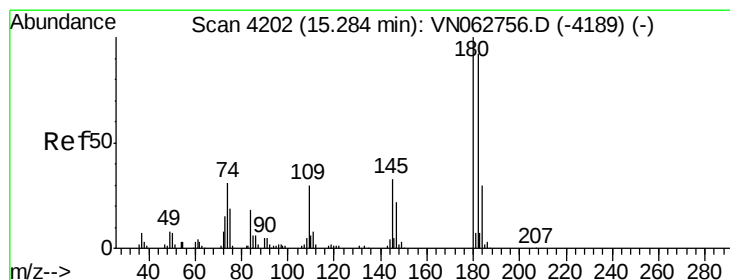
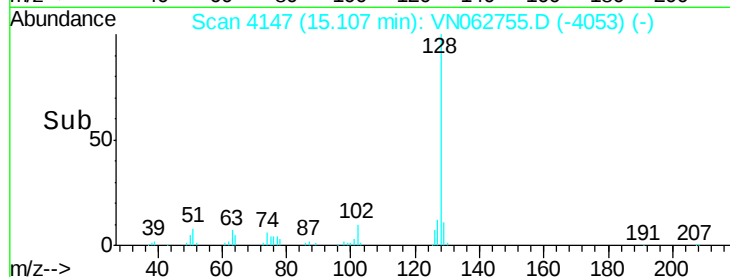
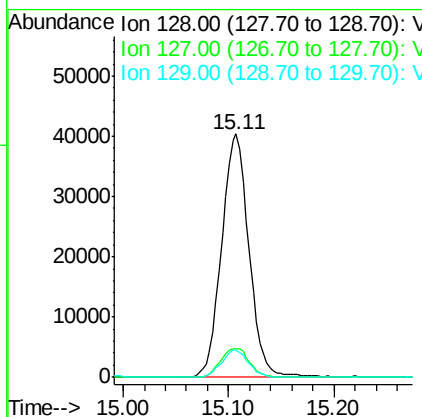
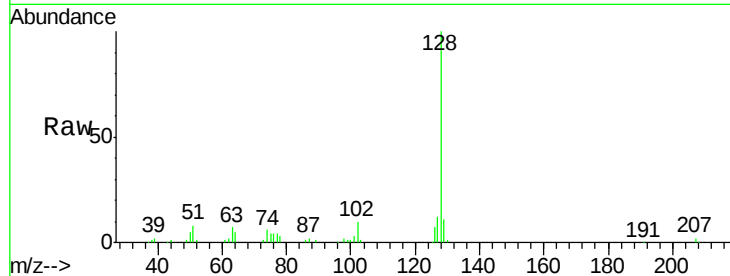
#95
Naphthalene
Concen: 16.931 ug/l
RT: 15.11 min Scan# 4147
Delta R.T. 0.00 min
Lab File: VN062755.D
Acq: 5 Aug 2020 11:51

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.8	16.2
129	10.9	8.8	13.2

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 17.736 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. -0.00 min
Lab File: VN062755.D
Acq: 5 Aug 2020 11:51

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.9	143.6
145	33.8	17.3	51.7

