

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081020\
 Data File : VN062820.D
 Acq On : 10 Aug 2020 20:14
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

sam
 8/11/2020 3:25:11 PM

Quant Time: Aug 11 07:58:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080520W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:26:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	158421	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	261161	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	245168	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	117301	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	123738	47.23	ug/l	0.00
Spiked Amount			Recovery	=	94.46%	
35) Dibromofluoromethane	7.55	113	86691	48.53	ug/l	0.00
Spiked Amount			Recovery	=	97.06%	
50) Toluene-d8	10.06	98	336563	48.26	ug/l	0.00
Spiked Amount			Recovery	=	96.52%	
62) 4-Bromofluorobenzene	12.38	95	130178	49.39	ug/l	0.00
Spiked Amount			Recovery	=	98.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	110073	48.522	ug/l	99
3) Chloromethane	2.04	50	96118	44.900	ug/l	99
4) Vinyl Chloride	2.16	62	100021	49.815	ug/l	98
5) Bromomethane	2.50	94	66799	50.257	ug/l	98
6) Chloroethane	2.65	64	67725	51.271	ug/l	99
7) Trichlorofluoromethane	2.97	101	186723	52.153	ug/l	96
8) Diethyl Ether	3.37	74	50476	49.247	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.72	101	72592	50.277	ug/l	99
10) Methyl Iodide	3.91	142	92196	53.129	ug/l	99
11) Tert butyl alcohol	4.74	59	103803	241.753	ug/l	99
12) 1,1-Dichloroethene	3.69	96	68443	50.748	ug/l	98
13) Acrolein	3.57	56	66269	254.906	ug/l	100
14) Allyl chloride	4.28	41	121197	43.696	ug/l	98
15) Acrylonitrile	4.93	53	242616	243.616	ug/l	99
16) Acetone	3.78	43	206609	218.258	ug/l	99
17) Carbon Disulfide	4.00	76	179264	46.739	ug/l	98
18) Methyl Acetate	4.28	43	110522	49.349	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	310043	50.514	ug/l	97
20) Methylene Chloride	4.50	84	88169	50.908	ug/l	95
21) trans-1,2-Dichloroethene	4.99	96	73784	46.542	ug/l	96
22) Diisopropyl ether	5.90	45	287942	48.767	ug/l	98
23) Vinyl Acetate	5.84	43	1013567	225.687	ug/l	99
24) 1,1-Dichloroethane	5.80	63	159469	46.087	ug/l	99
25) 2-Butanone	6.79	43	319088	237.998	ug/l	99
26) 2,2-Dichloropropane	6.78	77	112170	35.168	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	91788	48.265	ug/l	92
28) Bromochloromethane	7.15	49	81840	49.007	ug/l	96
29) Tetrahydrofuran	7.17	42	210693	241.893	ug/l	97
30) Chloroform	7.33	83	172127	46.809	ug/l	98
31) Cyclohexane	7.61	56	148099	46.627	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	154603	47.024	ug/l	99
36) 1,1-Dichloropropene	7.75	75	117160	46.072	ug/l	99
37) Ethyl Acetate	6.88	43	116911	44.012	ug/l	99
38) Carbon Tetrachloride	7.73	117	136750	45.469	ug/l	97

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	147007	48.037	ug/l	96
40) Benzene	8.00	78	344287	45.371	ug/l	98
41) Methacrylonitrile	7.13	41	54995	45.880	ug/l #	63
42) 1,2-Dichloroethane	8.09	62	146805	45.455	ug/l	100
43) Isopropyl Acetate	8.13	43	199836	45.102	ug/l #	89
44) Trichloroethene	8.80	130	84515	45.715	ug/l	98
45) 1,2-Dichloropropane	9.09	63	94647	46.085	ug/l	97
46) Dibromomethane	9.18	93	63595	47.260	ug/l	100
47) Bromodichloromethane	9.37	83	143740	47.560	ug/l	100
48) Methyl methacrylate	9.17	41	99564	45.686	ug/l	96
49) 1,4-Dioxane	9.17	88	39508	978.368	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	682069	237.924	ug/l	99
52) Toluene	10.13	92	223813	47.771	ug/l	100
53) t-1,3-Dichloropropene	10.36	75	153554	46.190	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	154726	46.356	ug/l	96
55) 1,1,2-Trichloroethane	10.54	97	92913	46.433	ug/l	99
56) Ethyl methacrylate	10.40	69	154091	51.161	ug/l	97
57) 1,3-Dichloropropane	10.68	76	161792	47.587	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	208027	244.349	ug/l	99
59) 2-Hexanone	10.72	43	510549	238.750	ug/l	99
60) Dibromochloromethane	10.88	129	112047	49.068	ug/l	99
61) 1,2-Dibromoethane	10.98	107	96797	49.024	ug/l	98
64) Tetrachloroethene	10.60	164	73871	46.699	ug/l	98
65) Chlorobenzene	11.41	112	243304	47.474	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	99691	48.439	ug/l	99
67) Ethyl Benzene	11.48	91	452580	49.349	ug/l	99
68) m/p-Xylenes	11.60	106	333319	100.123	ug/l	98
69) o-Xylene	11.92	106	160166	51.338	ug/l	100
70) Styrene	11.94	104	285977	52.149	ug/l	98
71) Bromoform	12.10	173	79723	47.345	ug/l #	99
73) Isopropylbenzene	12.23	105	456187	51.647	ug/l	100
74) N-amyl acetate	12.05	43	179977	50.281	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.48	83	146612	47.152	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	135333m	42.780	ug/l	
77) Bromobenzene	12.50	156	106796	48.662	ug/l	96
78) n-propylbenzene	12.57	91	515626	49.731	ug/l	100
79) 2-Chlorotoluene	12.65	91	318972	49.058	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	398095	51.952	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	49249	47.525	ug/l	99
82) 4-Chlorotoluene	12.75	91	330815	49.373	ug/l	100
83) tert-Butylbenzene	12.97	119	334338	51.563	ug/l	98
84) 1,2,4-Trimethylbenzene	13.02	105	389180	53.088	ug/l	99
85) sec-Butylbenzene	13.15	105	434370	51.014	ug/l	100
86) p-Isopropyltoluene	13.27	119	386119	51.087	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	191353	48.806	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	186047	47.312	ug/l	99
89) n-Butylbenzene	13.59	91	299105	46.792	ug/l	99
90) Hexachloroethane	13.85	117	76666	47.058	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	186852	50.834	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	32769	49.090	ug/l	98

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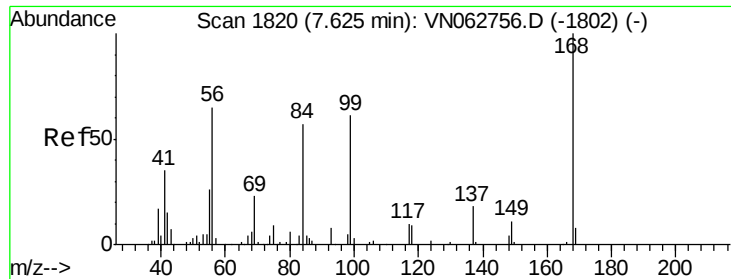
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	83839	42.970	ug/l	96
94) Hexachlorobutadiene	14.98	225	55023	47.481	ug/l	99
95) Naphthalene	15.10	128	230330	43.254	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	85937	44.488	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VN062820.D

Acq: 10 Aug 2020 20:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 158421

Ion Ratio Lower Upper

168 100

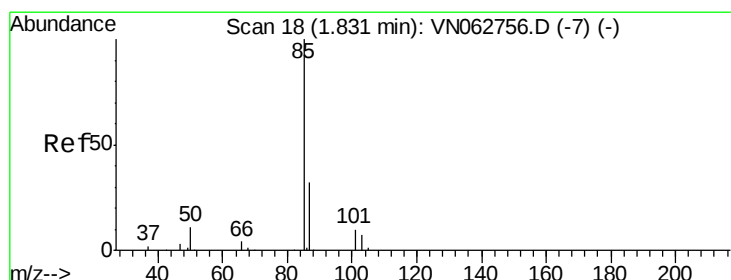
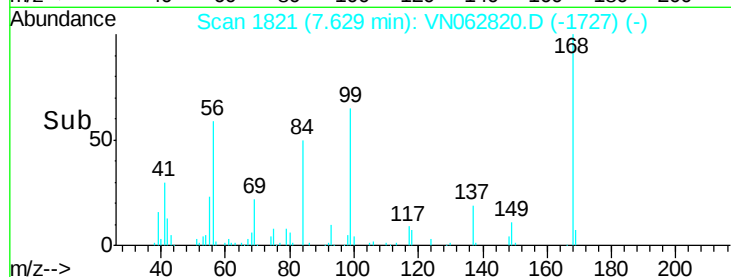
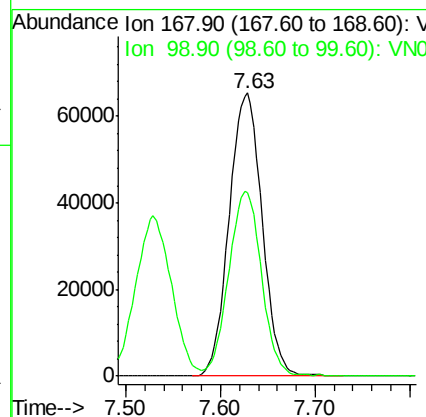
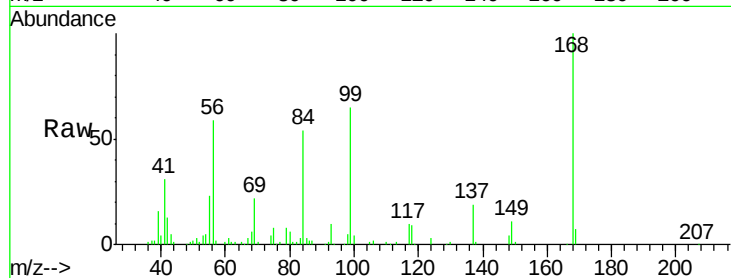
99 64.7 52.9 79.3

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#2

Dichlorodifluoromethane

Concen: 48.522 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN062820.D

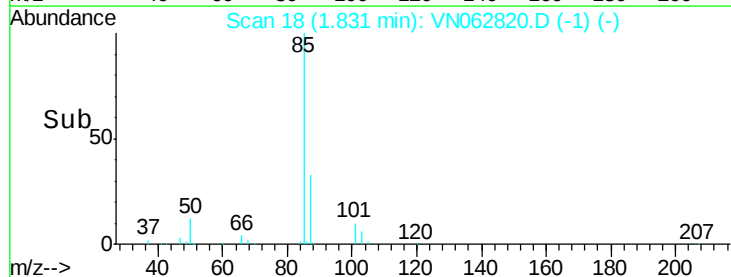
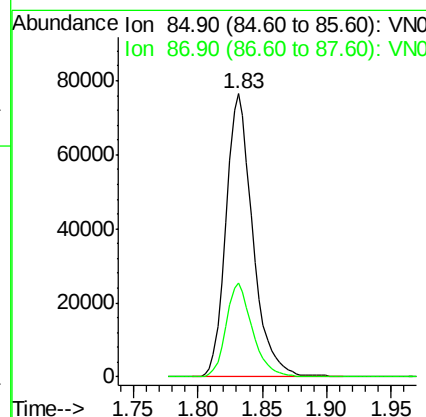
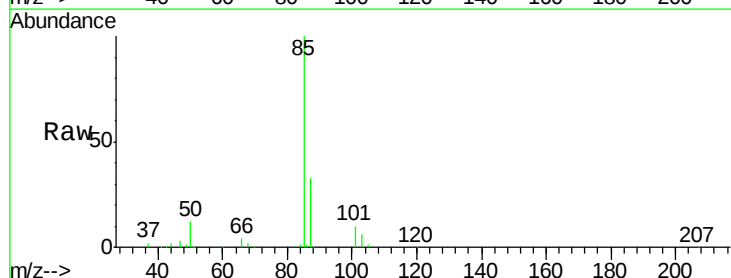
Acq: 10 Aug 2020 20:14

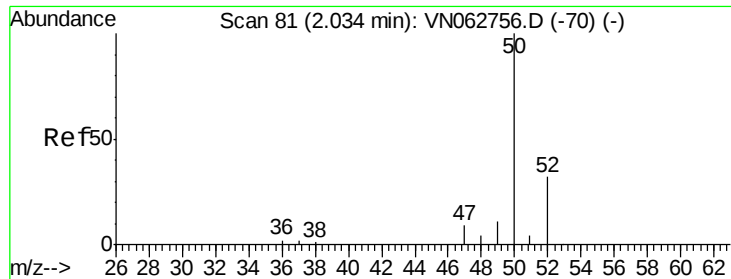
Tgt Ion: 85 Resp: 110073

Ion Ratio Lower Upper

85 100

87 33.0 16.2 48.6





#3

Chloromethane

Concen: 44.900 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN062820.D

Acq: 10 Aug 2020 20:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 96118

Ion Ratio Lower Upper

50 100

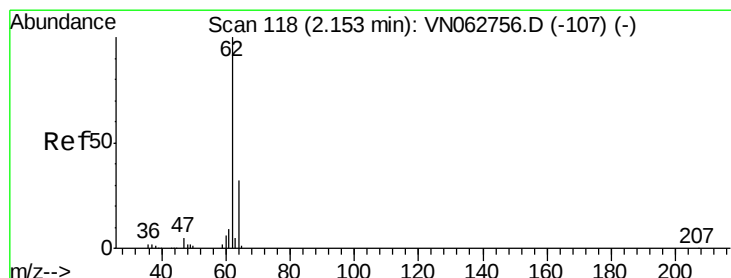
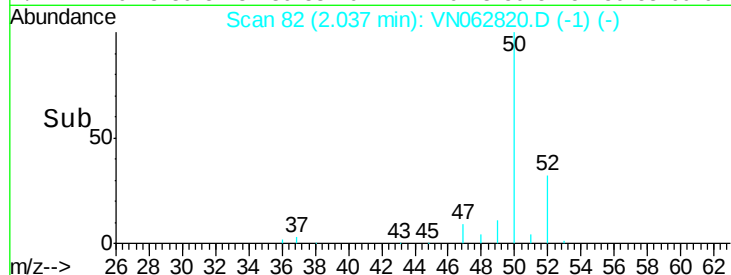
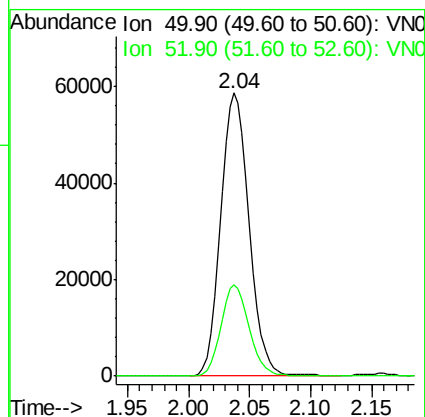
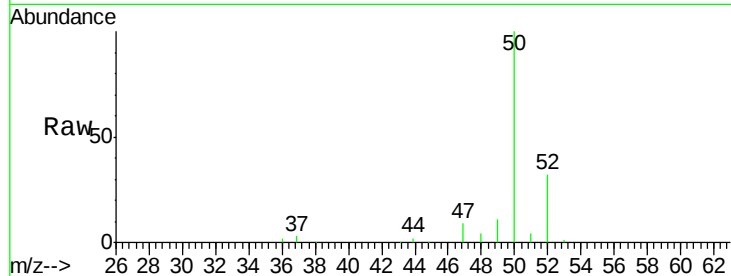
52 32.5 25.6 38.4

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#4

Vinyl Chloride

Concen: 49.815 ug/l

RT: 2.16 min Scan# 119

Delta R.T. 0.00 min

Lab File: VN062820.D

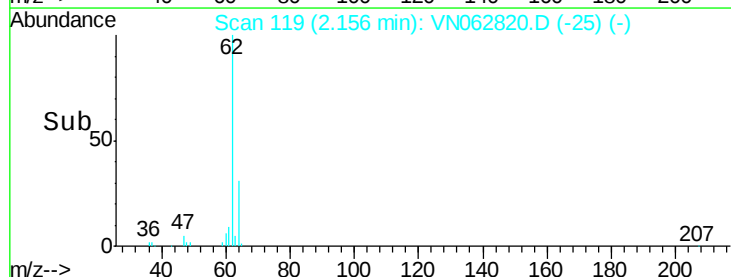
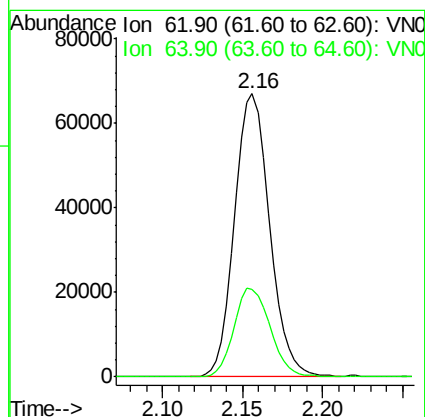
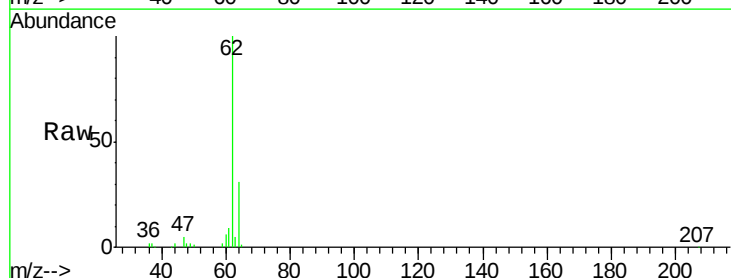
Acq: 10 Aug 2020 20:14

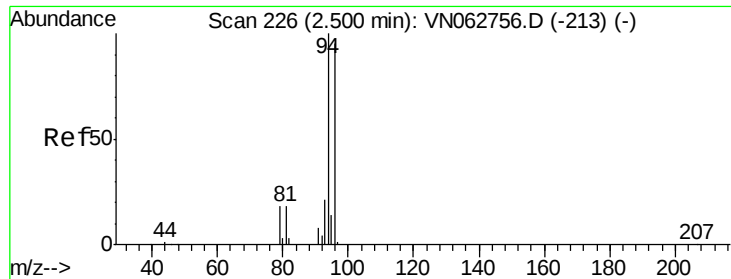
Tgt Ion: 62 Resp: 100021

Ion Ratio Lower Upper

62 100

64 31.1 25.8 38.8





#5

Bromomethane

Concen: 50.257 ug/l

RT: 2.50 min Scan# 226

Delta R.T. 0.00 min

Lab File: VN062820.D

Acq: 10 Aug 2020 20:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 66799

Ion Ratio Lower Upper

94 100

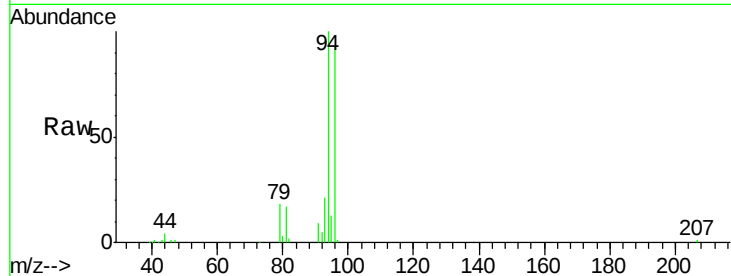
96 93.2 76.2 114.4

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

2.50

40000

30000

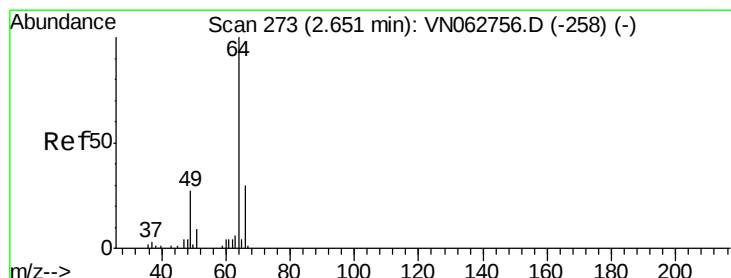
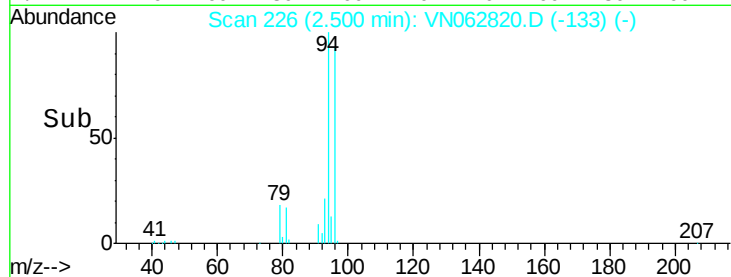
20000

10000

0

Time-->

2.45 2.50 2.55



#6

Chloroethane

Concen: 51.271 ug/l

RT: 2.65 min Scan# 273

Delta R.T. 0.00 min

Lab File: VN062820.D

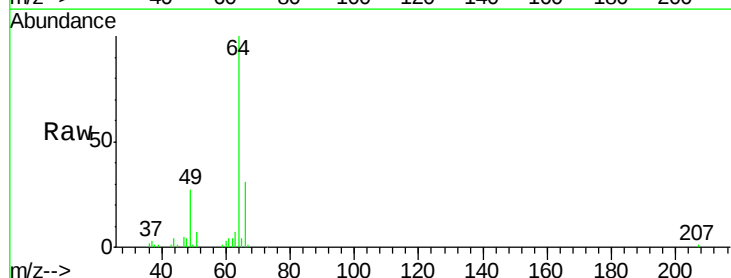
Acq: 10 Aug 2020 20:14

Tgt Ion: 64 Resp: 67725

Ion Ratio Lower Upper

64 100

66 30.8 24.0 36.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.65

30000

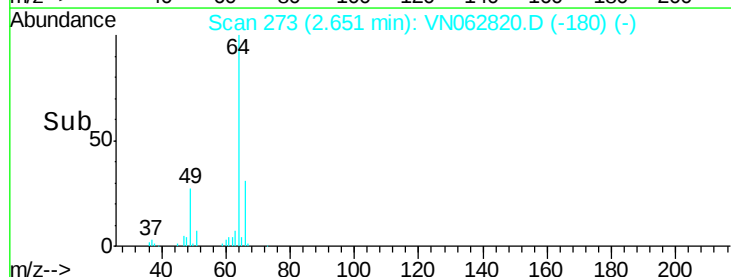
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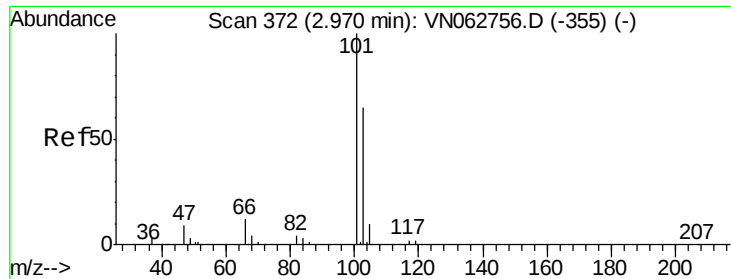
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Time-->

2.55 2.60 2.65 2.70 2.75





#7

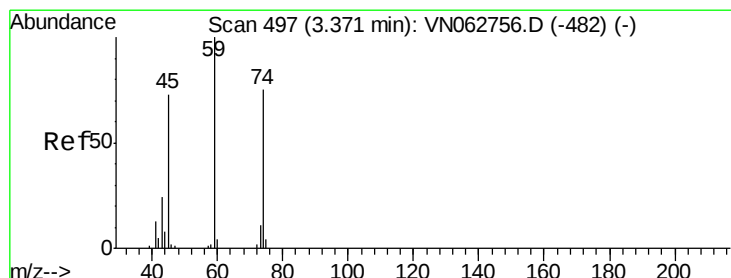
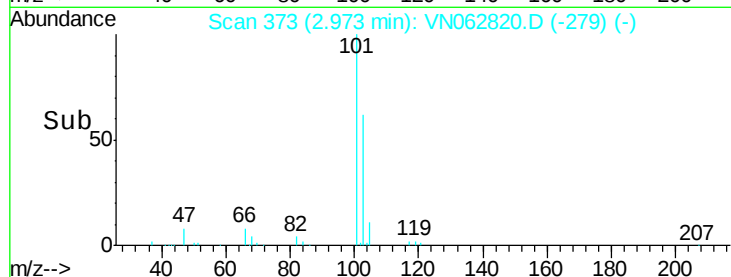
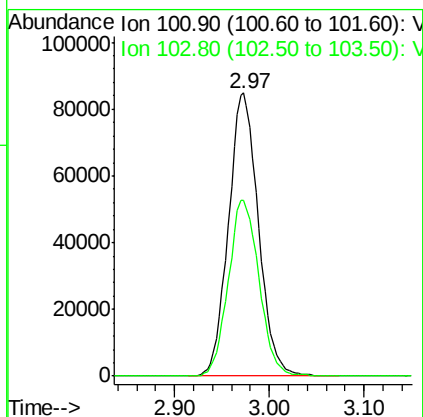
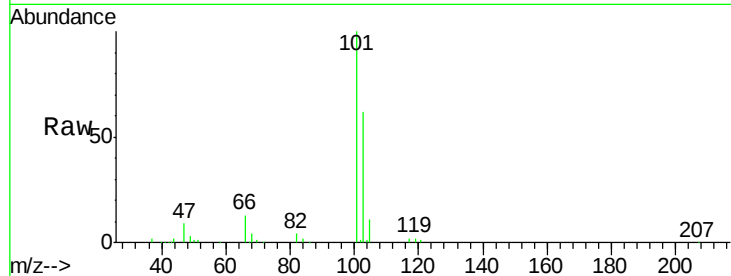
Trichlorofluoromethane
 Concen: 52.153 ug/l
 RT: 2.97 min Scan# 373
 Delta R.T. 0.00 min
 Lab File: VN062820.D
 Acq: 10 Aug 2020 20:14

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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.2	52.3	78.5

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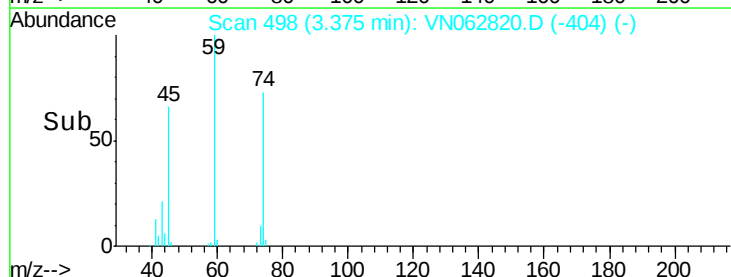
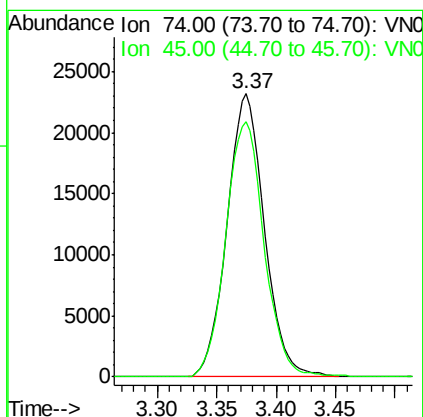
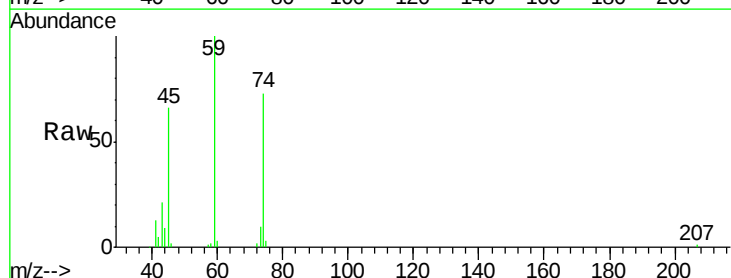
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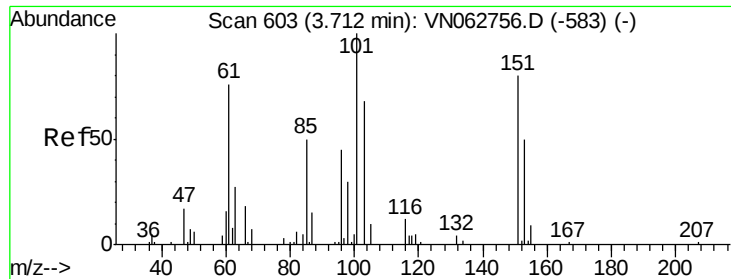


#8

Diethyl Ether
 Concen: 49.247 ug/l
 RT: 3.37 min Scan# 498
 Delta R.T. 0.00 min
 Lab File: VN062820.D
 Acq: 10 Aug 2020 20:14

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.3	48.7	146.1





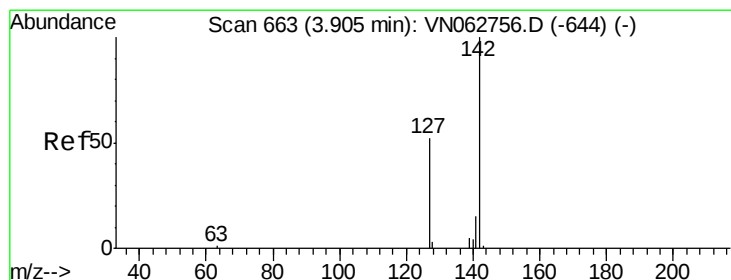
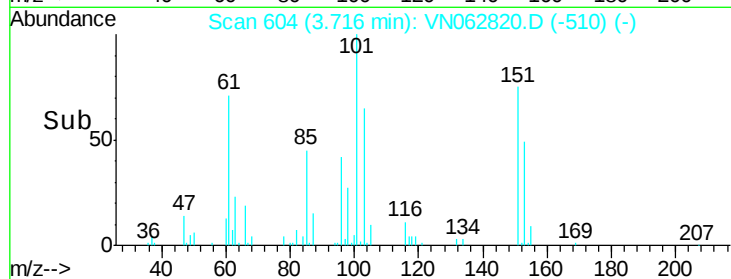
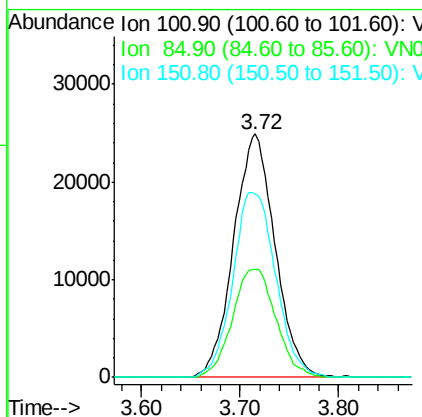
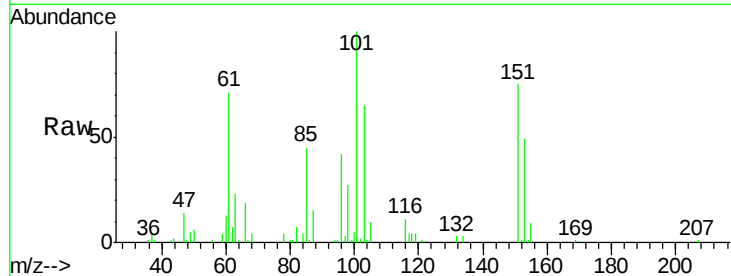
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 50.277 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN062820.D
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Tot Ion	Ratio	Lower	Upper
101	100		
85	46.6	38.5	57.7
151	78.6	63.0	94.6

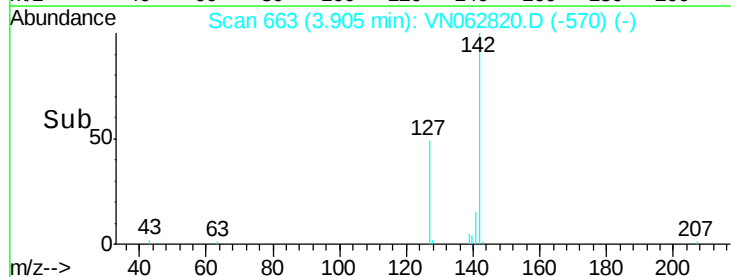
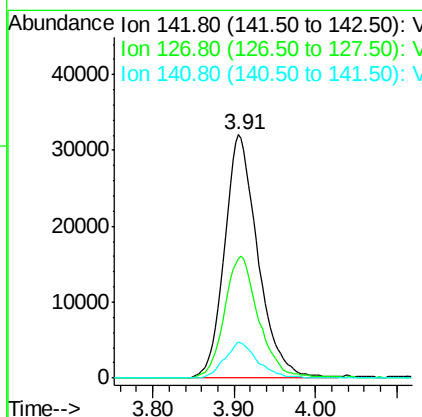
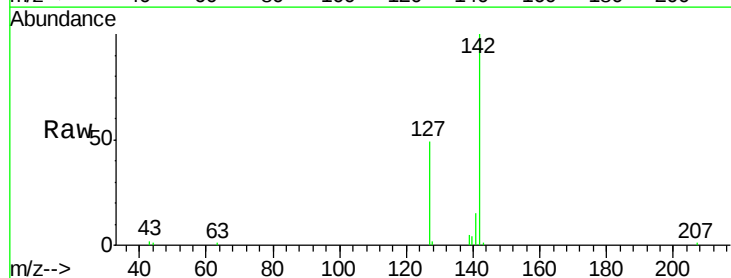
Manual Integrations
 APPROVED

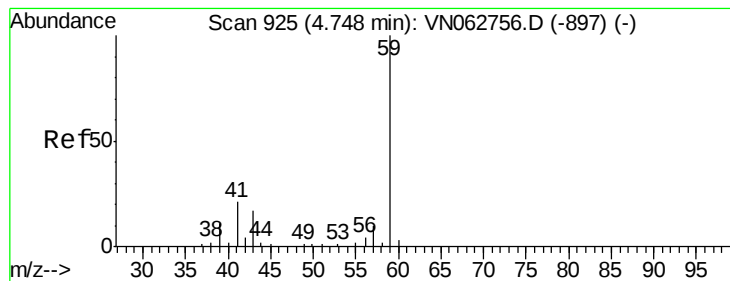
sam
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#10
 Methyl Iodide
 Concen: 53.129 ug/l
 RT: 3.91 min Scan# 663
 Delta R.T. 0.00 min
 Lab File: VN062820.D
 Acq: 10 Aug 2020 20:14

Tgt Ion	Ratio	Lower	Upper
142	100		
127	50.9	41.4	62.0
141	14.5	12.2	18.4





#11

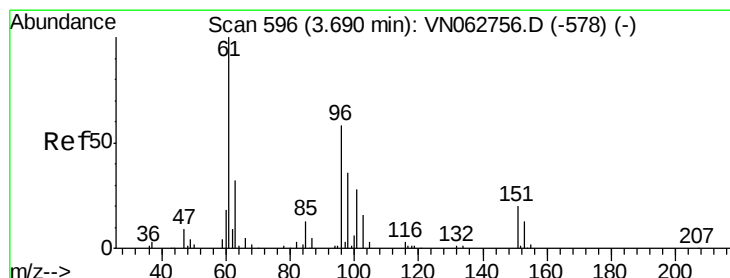
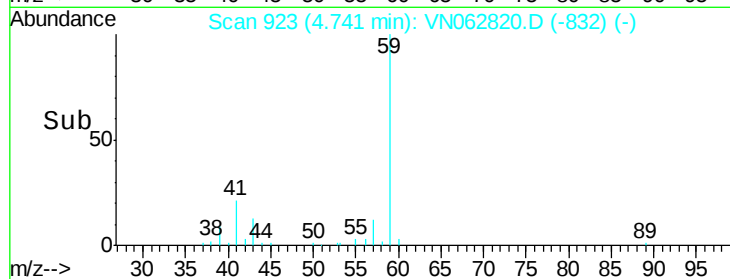
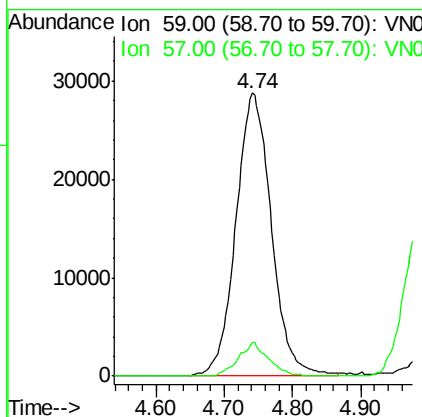
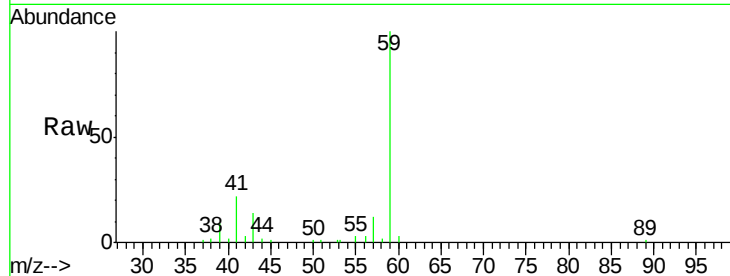
Tert butyl alcohol
 Concen: 241.753 ug/l
 RT: 4.74 min Scan# 923
 Delta R.T. -0.01 min
 Lab File: VN062820.D
 Acq: 10 Aug 2020 20:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.3	12.5

Manual Integrations
 APPROVED

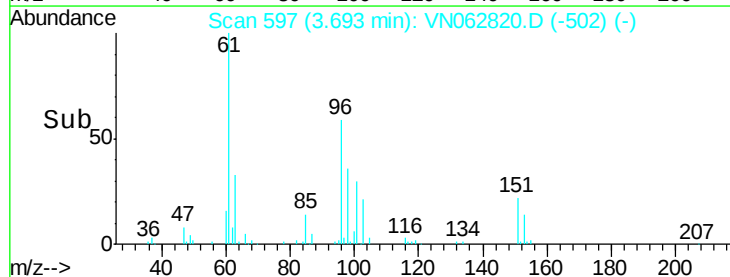
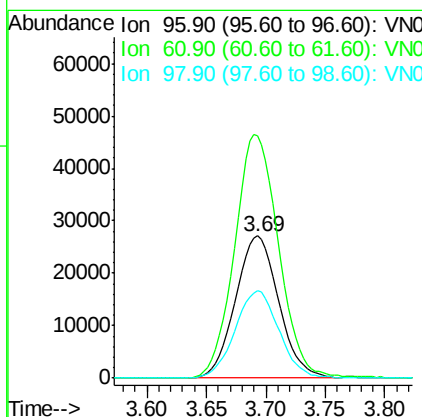
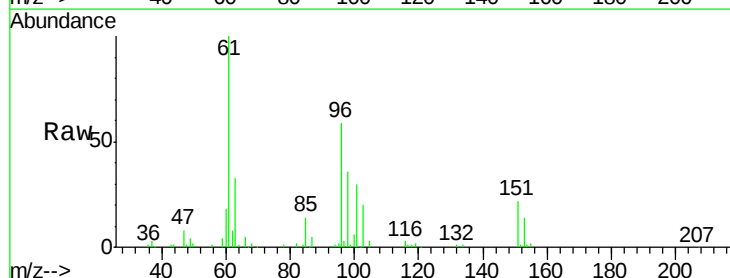
sam
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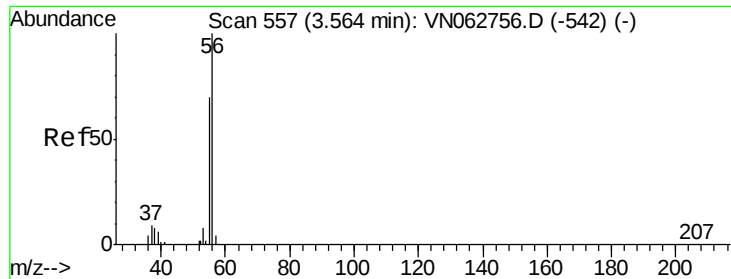


#12

1,1-Dichloroethene
 Concen: 50.748 ug/l
 RT: 3.69 min Scan# 597
 Delta R.T. 0.00 min
 Lab File: VN062820.D
 Acq: 10 Aug 2020 20:14

Tgt Ion	Ratio	Lower	Upper
96	100		
61	170.2	139.0	208.6
98	61.4	50.2	75.4





#13

Acrolein

Concen: 254.906 ug/l

RT: 3.57 min Scan# 558

Delta R.T. 0.00 min

Lab File: VN062820.D

Acq: 10 Aug 2020 20:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 66269

Ion Ratio Lower Upper

56 100

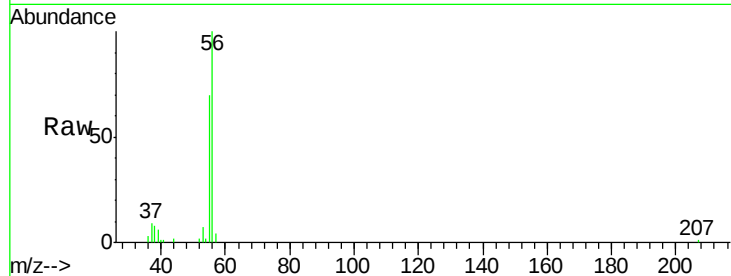
55 71.7 57.0 85.6

Manual Integrations

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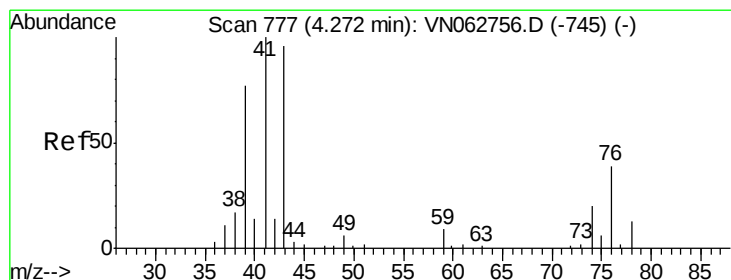
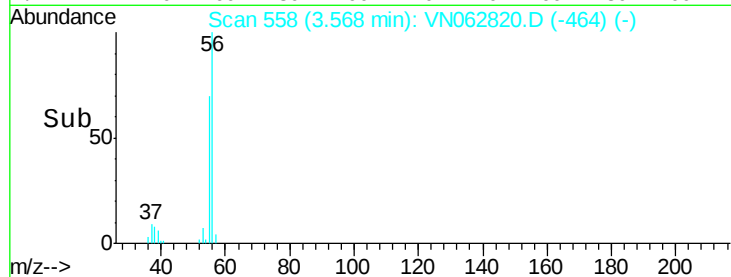
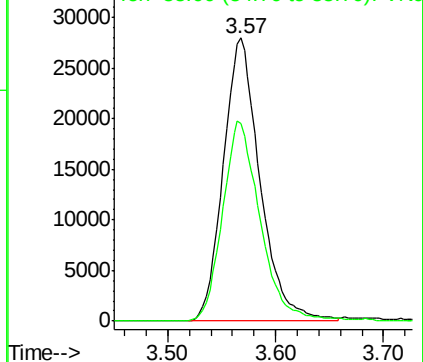
sam

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 43.696 ug/l

RT: 4.28 min Scan# 778

Delta R.T. 0.00 min

Lab File: VN062820.D

Acq: 10 Aug 2020 20:14

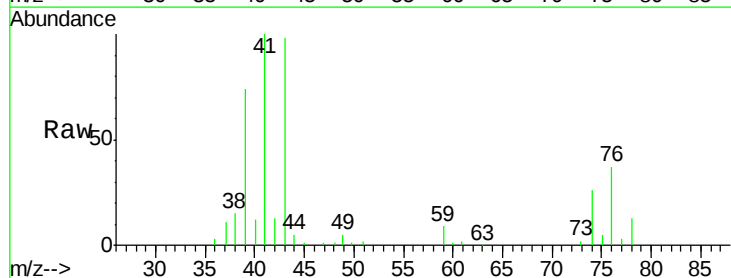
Tgt Ion: 41 Resp: 121197

Ion Ratio Lower Upper

41 100

39 67.7 55.7 83.5

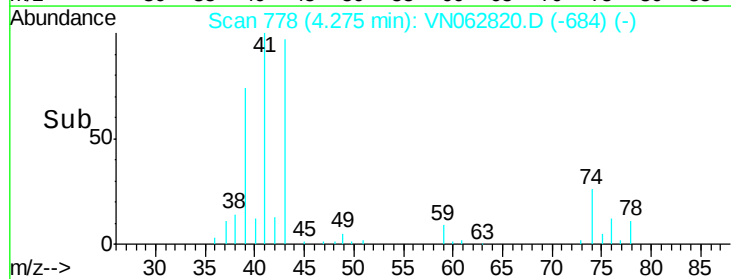
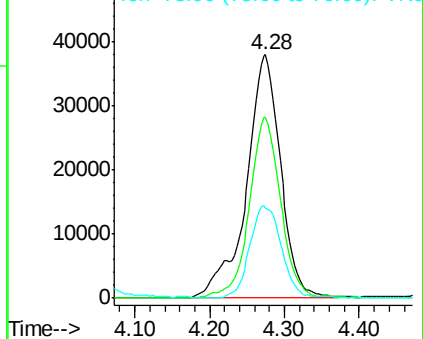
76 34.8 27.5 41.3



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 243.616 ug/l

RT: 4.93 min Scan# 982

Delta R.T. 0.00 min

Lab File: VN062820.D

Acq: 10 Aug 2020 20:14

Instrument :

MSVOA_N

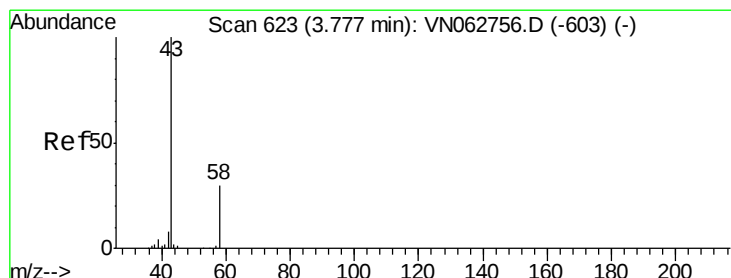
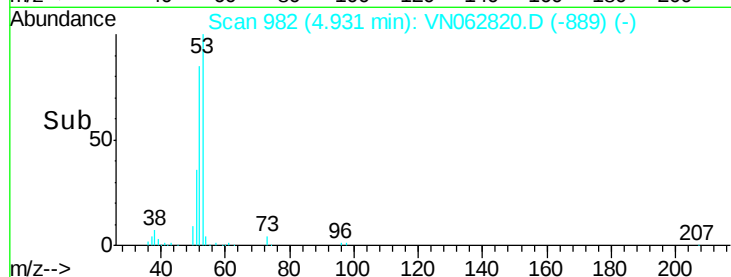
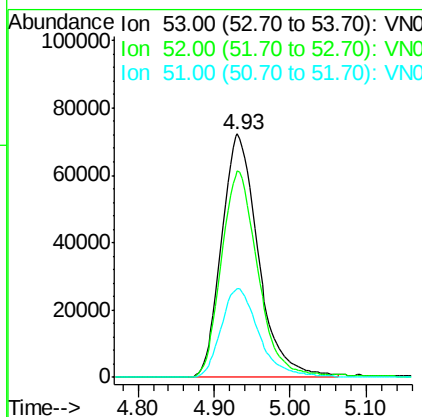
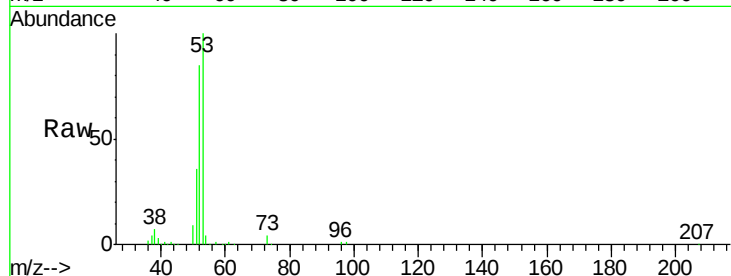
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	242616
Ion Ratio	Lower	Upper	
53	100		
52	84.4	66.8	100.2
51	37.6	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 218.258 ug/l

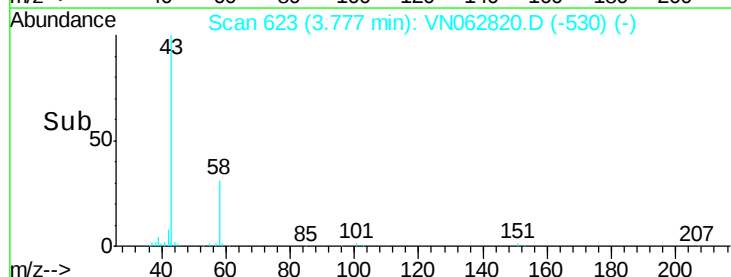
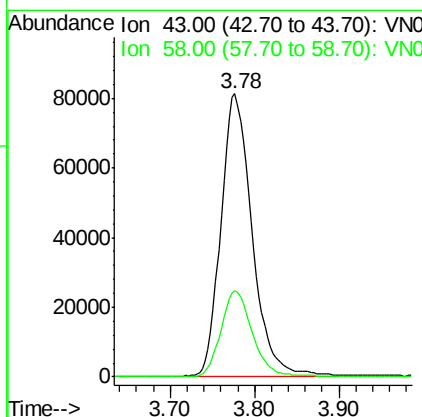
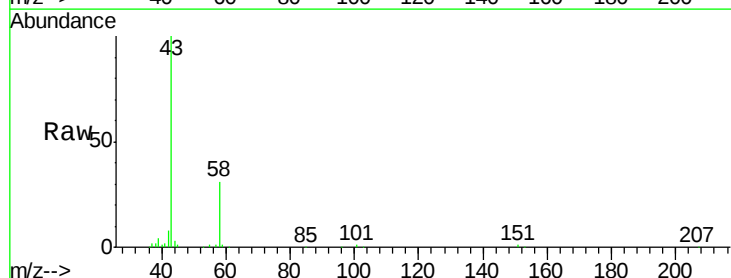
RT: 3.78 min Scan# 623

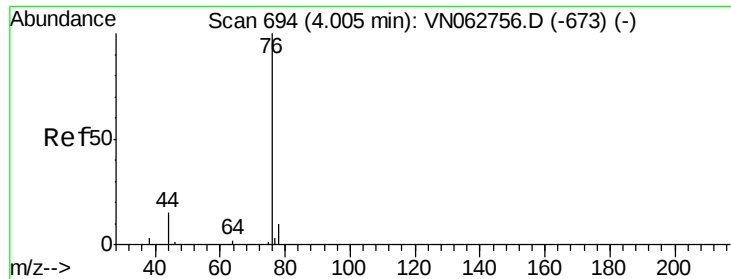
Delta R.T. 0.00 min

Lab File: VN062820.D

Acq: 10 Aug 2020 20:14

Tgt Ion:	43	Resp:	206609
Ion Ratio	Lower	Upper	
43	100		
58	30.7	24.1	36.1





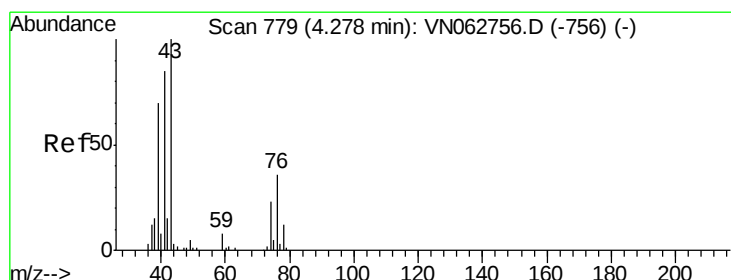
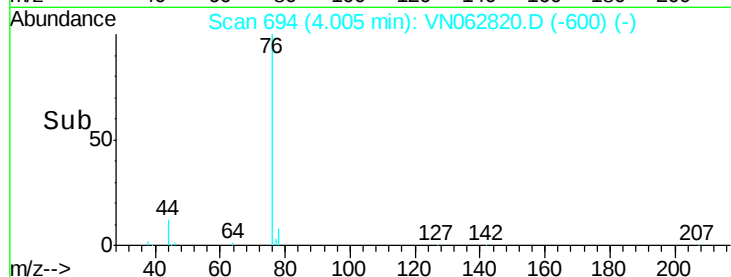
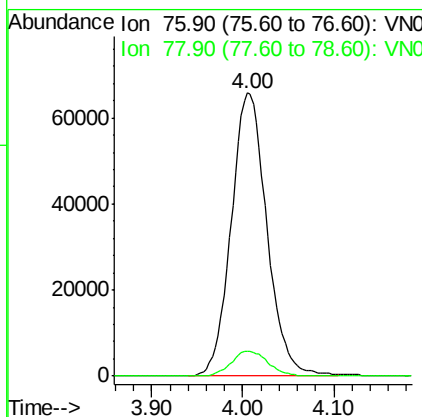
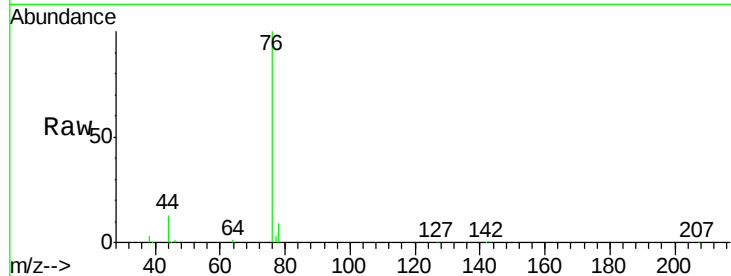
#17
Carbon Disulfide
Concen: 46.739 ug/l
RT: 4.00 min Scan# 694
Delta R.T. 0.00 min
Lab File: VN062820.D
Acq: 10 Aug 2020 20:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.7	11.5

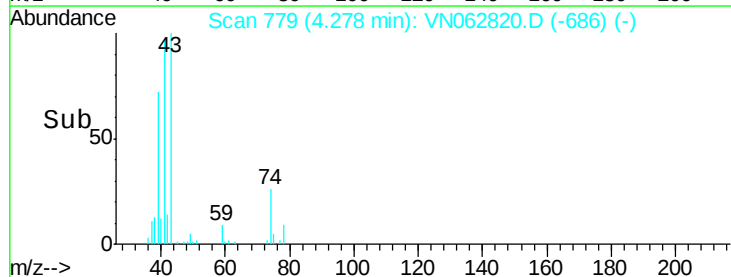
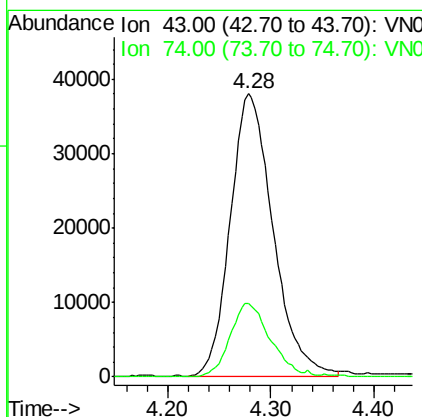
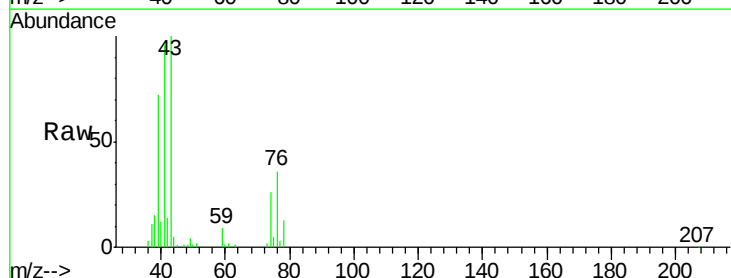
Manual Integrations
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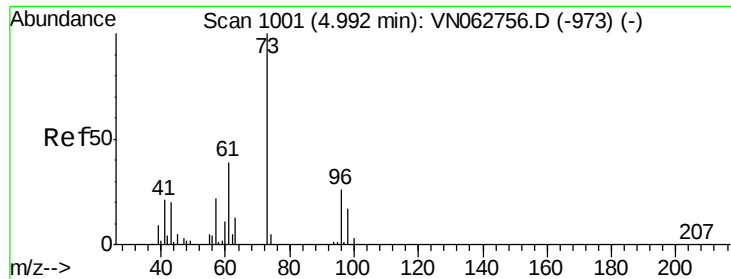
sam
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#18
Methyl Acetate
Concen: 49.349 ug/l
RT: 4.28 min Scan# 779
Delta R.T. 0.00 min
Lab File: VN062820.D
Acq: 10 Aug 2020 20:14

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.4	18.6	28.0





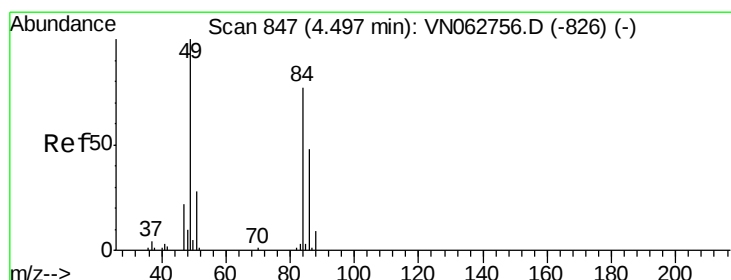
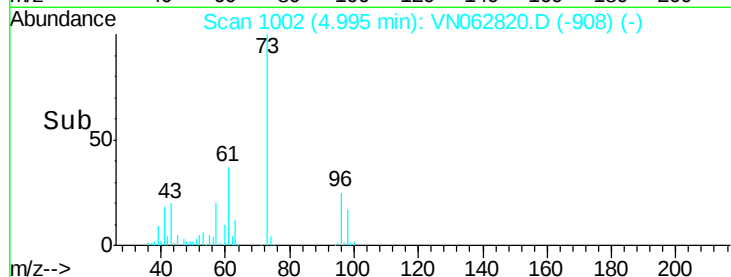
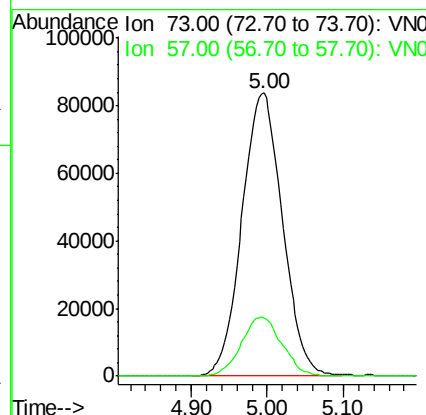
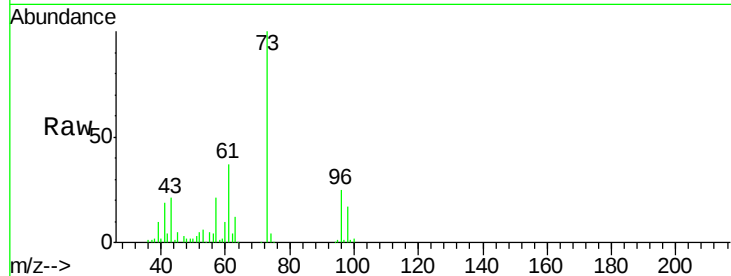
#19
Methvl tert-butvl Ether
Concen: 50.514 ug/l
RT: 5.00 min Scan# 1002
Delta R.T. 0.00 min
Lab File: VN062820.D
Acq: 10 Aug 2020 20:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 310043
Ion Ratio Lower Upper
73 100
57 20.7 17.5 26.3

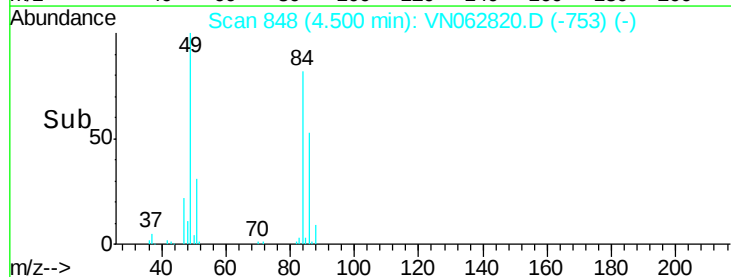
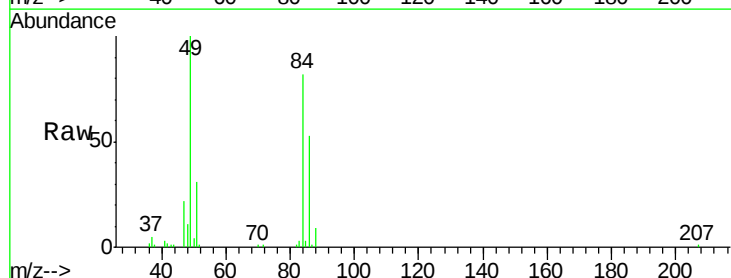
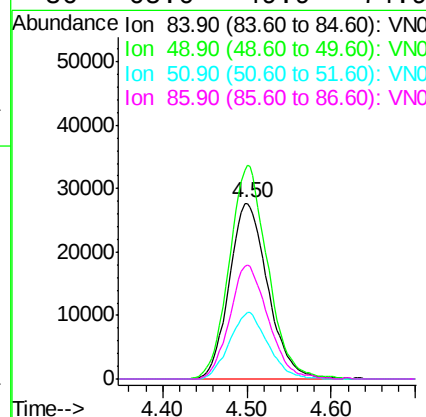
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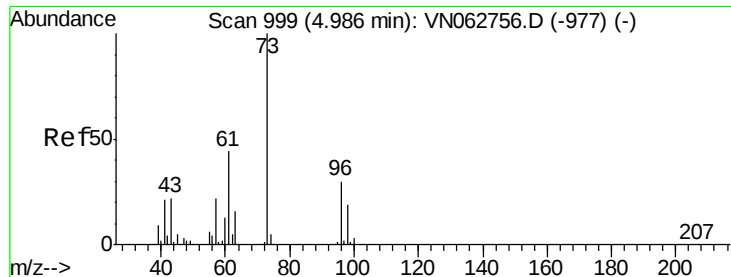
sam
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#20
Methylene Chloride
Concen: 50.908 ug/l
RT: 4.50 min Scan# 848
Delta R.T. 0.00 min
Lab File: VN062820.D
Acq: 10 Aug 2020 20:14

Tgt Ion: 84 Resp: 88169
Ion Ratio Lower Upper
84 100
49 121.1 103.4 155.2
51 37.9 29.3 43.9
86 65.0 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 46.542 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN062820.D

Acq: 10 Aug 2020 20:14

Instrument :

MSVOA_N

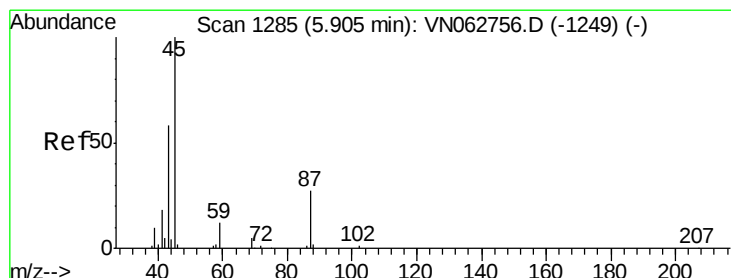
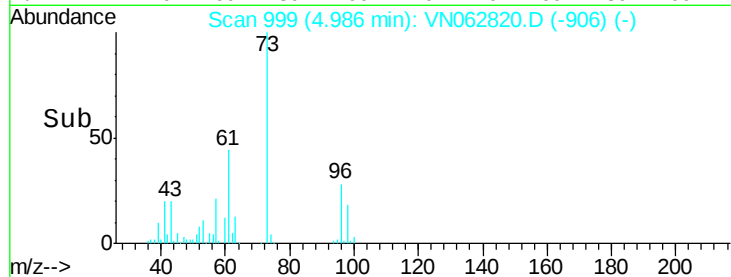
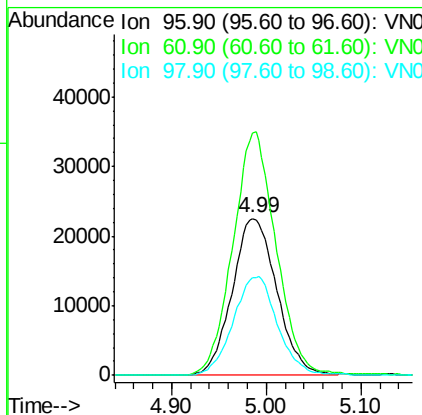
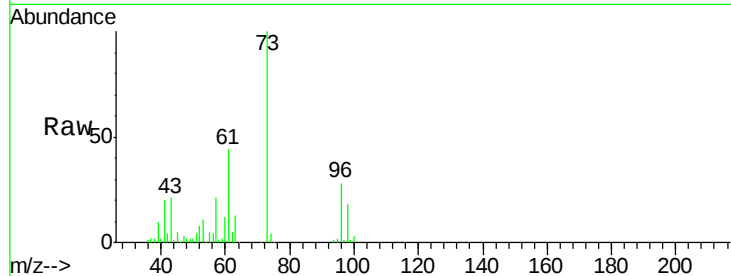
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	73784
Ion	Ratio	Lower	Upper
96	100		
61	154.9	118.8	178.2
98	62.2	51.0	76.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 48.767 ug/l

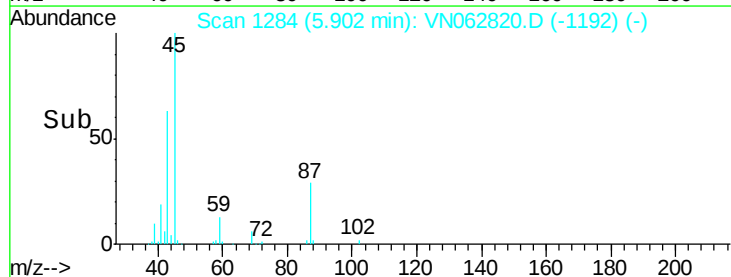
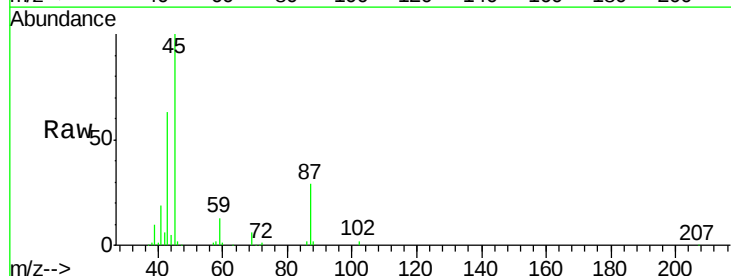
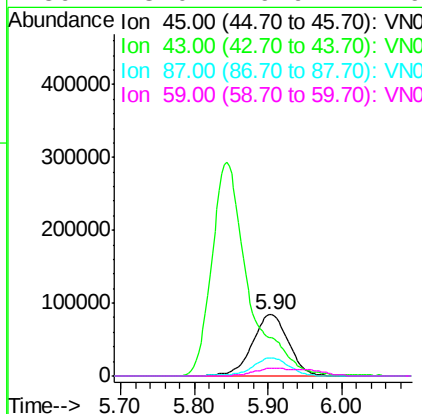
RT: 5.90 min Scan# 1284

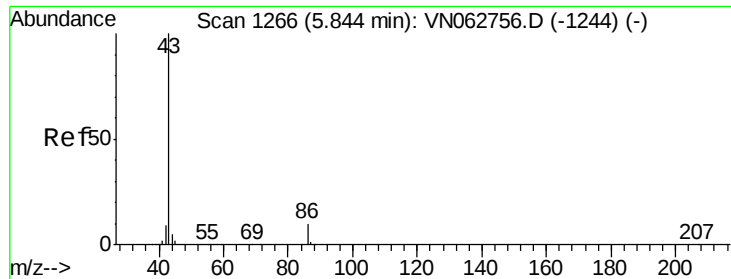
Delta R.T. -0.00 min

Lab File: VN062820.D

Acq: 10 Aug 2020 20:14

Tgt Ion:	45	Resp:	287942
Ion	Ratio	Lower	Upper
45	100		
43	60.9	47.4	71.2
87	29.1	22.8	34.2
59	13.0	9.9	14.9





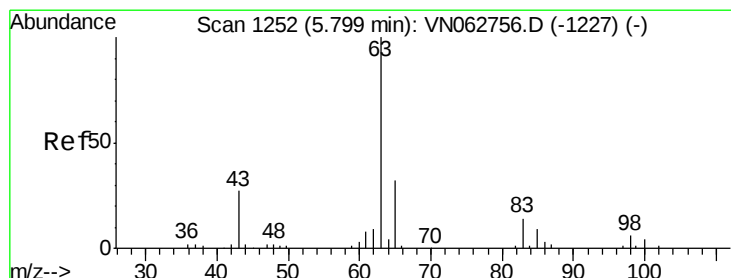
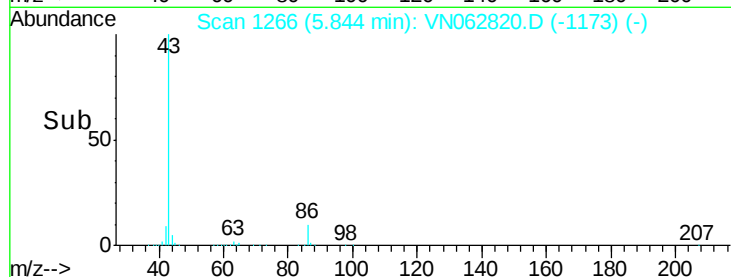
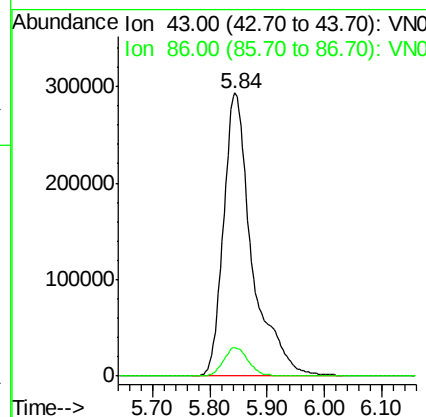
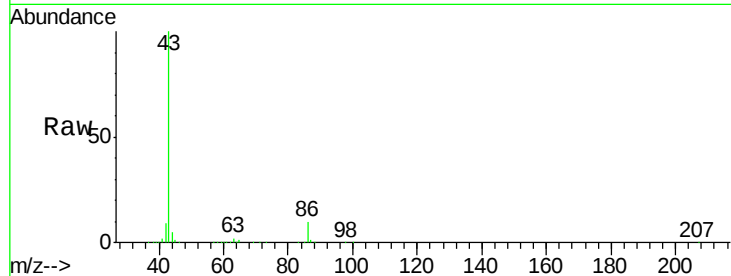
#23
 Vinyl Acetate
 Concen: 225.687 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VN062820.D
 Acq: 10 Aug 2020 20:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 1013567
 Ion Ratio Lower Upper
 43 100
 86 10.1 7.7 11.5

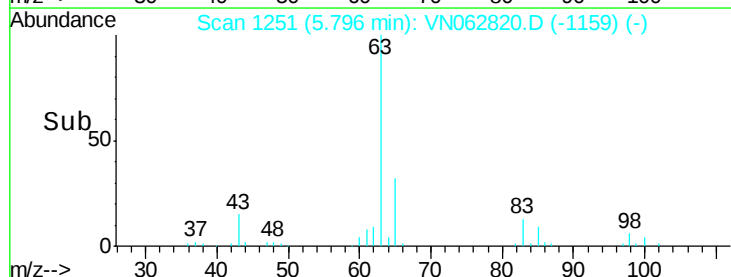
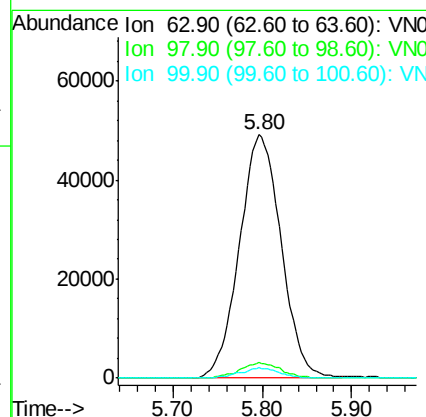
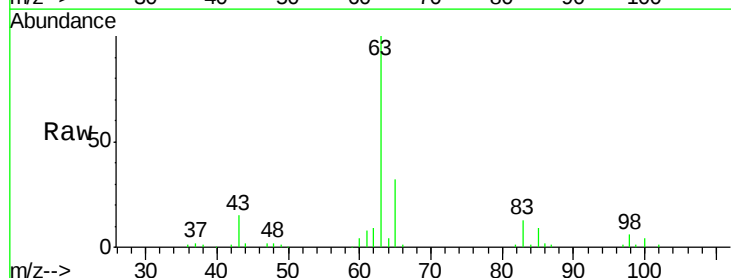
Manual Integrations
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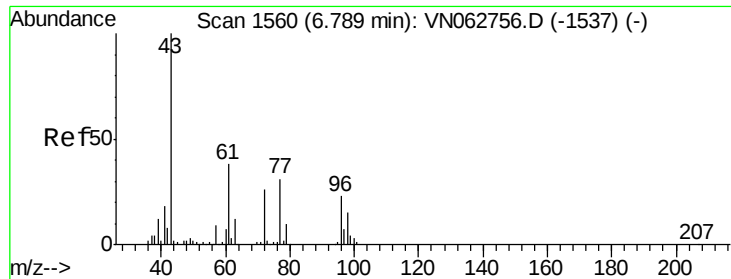
sam
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#24
 1,1-Dichloroethane
 Concen: 46.087 ug/l
 RT: 5.80 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VN062820.D
 Acq: 10 Aug 2020 20:14

Tgt Ion: 63 Resp: 159469
 Ion Ratio Lower Upper
 63 100
 98 6.3 3.0 9.2
 100 4.1 1.9 5.7





#25

2-Butanone

Concen: 237.998 ug/l

RT: 6.79 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VN062820.D

Acq: 10 Aug 2020 20:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 319088

Ion Ratio Lower Upper

43 100

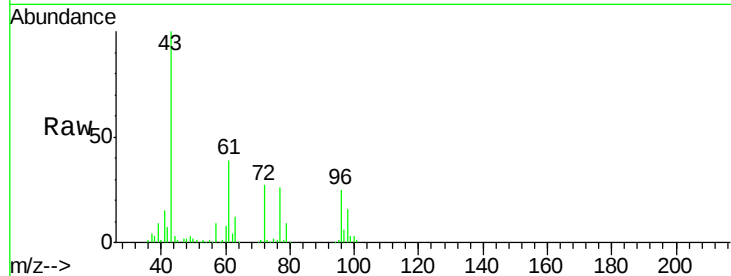
72 26.8 21.1 31.7

Manual Integrations

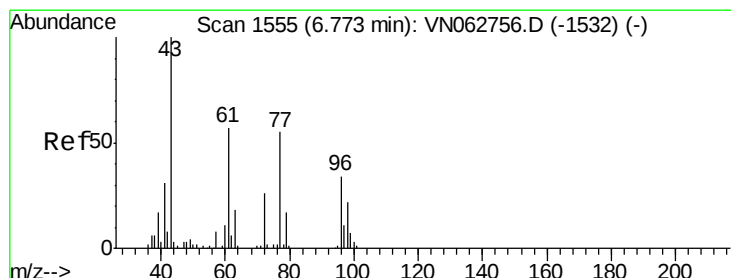
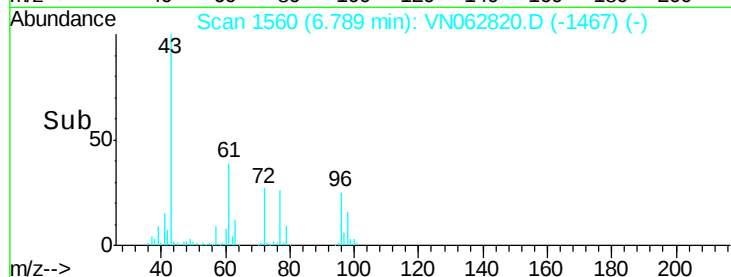
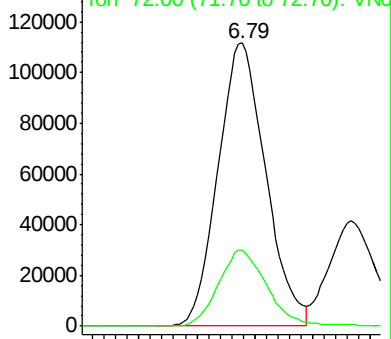
APPROVED

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Abundance Ion 43.00 (42.70 to 43.70): VN062820.D (-1467) (-)



#26

2,2-Dichloropropane

Concen: 35.168 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. 0.00 min

Lab File: VN062820.D

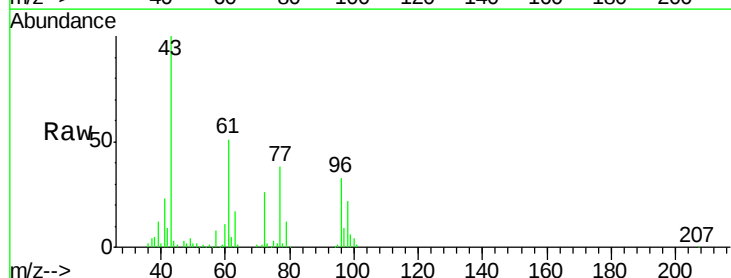
Acq: 10 Aug 2020 20:14

Tgt Ion: 77 Resp: 112170

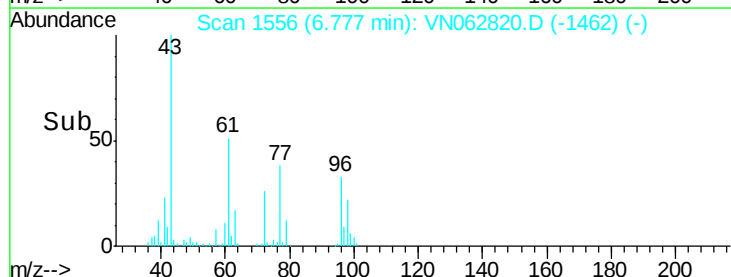
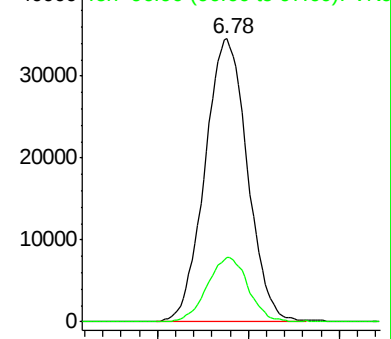
Ion Ratio Lower Upper

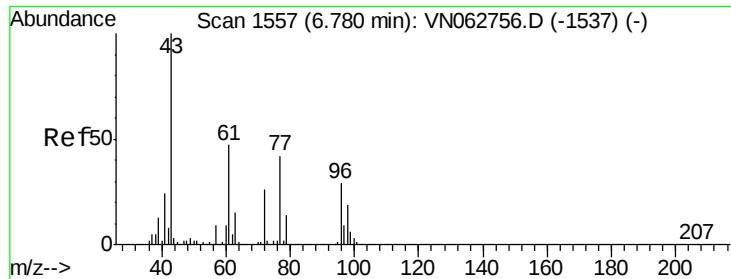
77 100

97 21.9 10.5 31.6



Abundance Ion 76.90 (76.60 to 77.60): VN062820.D (-1462) (-)





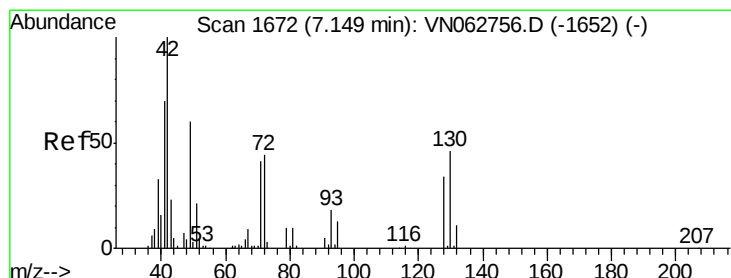
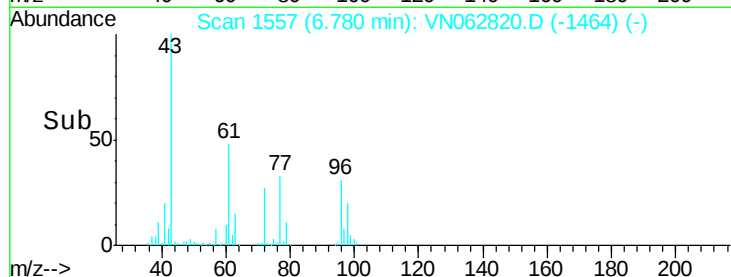
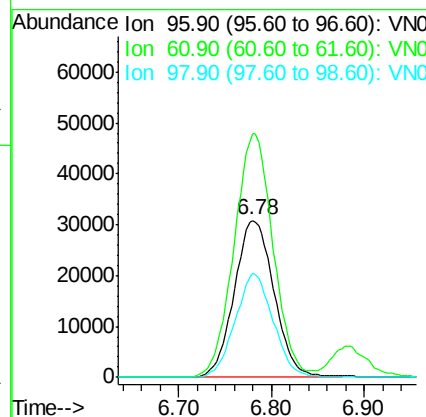
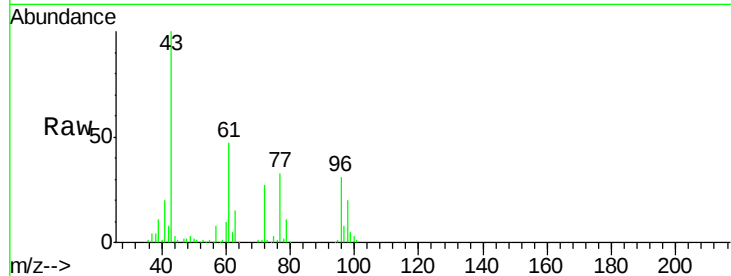
#27
 cis-1,2-Dichloroethene
 Concen: 48.265 ug/l
 RT: 6.78 min Scan# 1557
 Delta R.T. 0.00 min
 Lab File: VN062820.D
 Acq: 10 Aug 2020 20:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	152.0	0.0	332.2
98	62.8	0.0	129.4

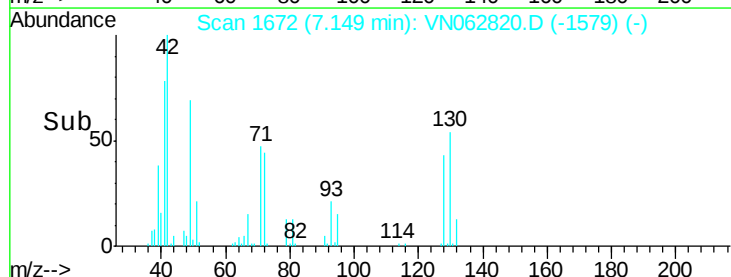
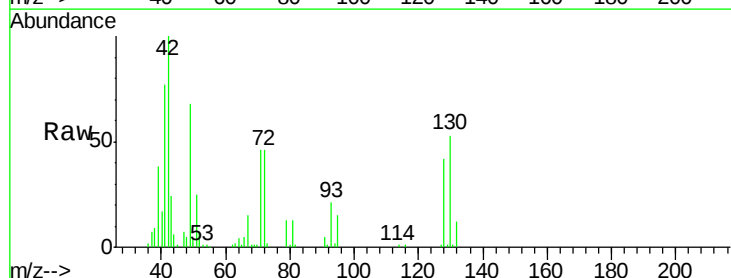
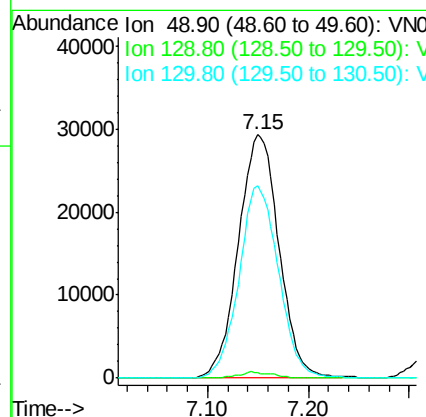
Manual Integrations
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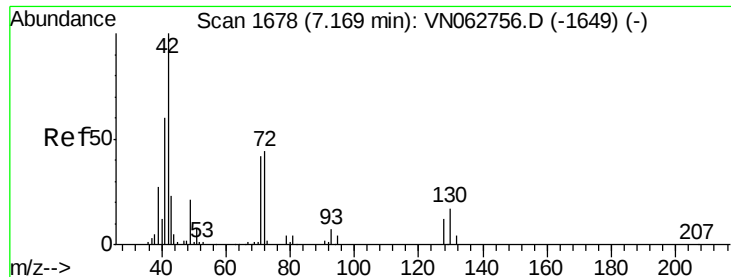
sam
 8/11/2020 3:25:11 PM



#28
 Bromochloromethane
 Concen: 49.007 ug/l
 RT: 7.15 min Scan# 1672
 Delta R.T. 0.00 min
 Lab File: VN062820.D
 Acq: 10 Aug 2020 20:14

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.2
130	77.1	59.0	88.6





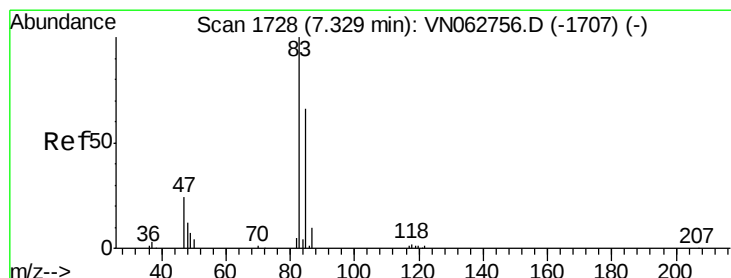
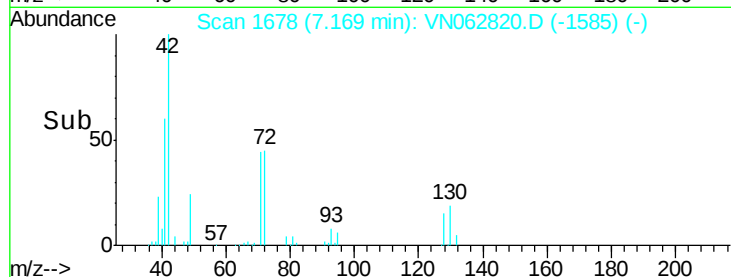
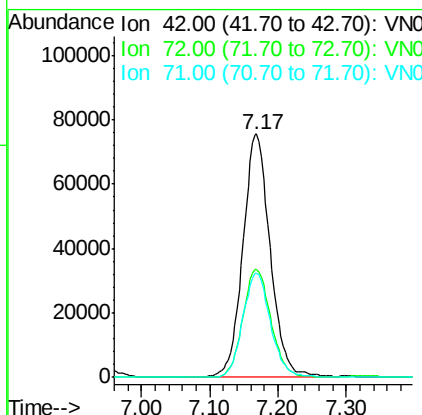
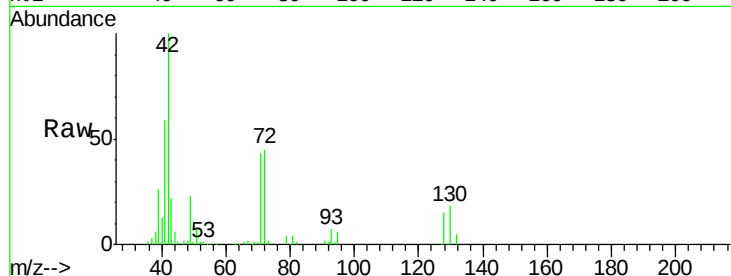
#29
Tetrahydrofuran
Concen: 241.893 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN062820.D
Acq: 10 Aug 2020 20:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.6	35.0	52.4
71	43.2	33.2	49.8

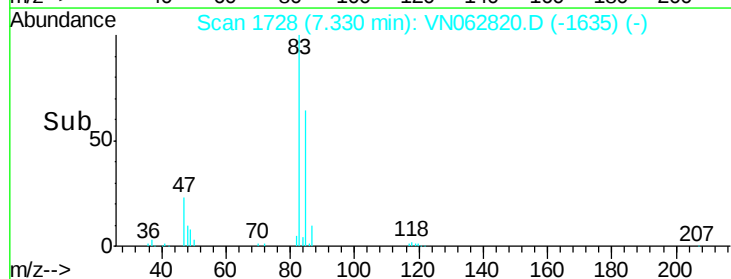
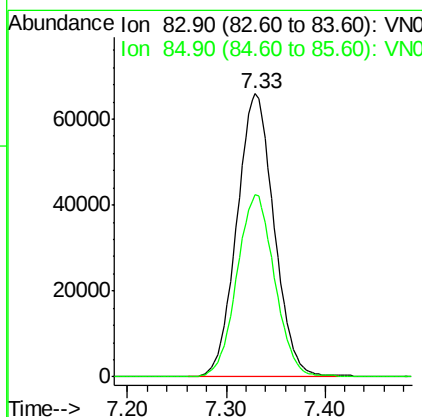
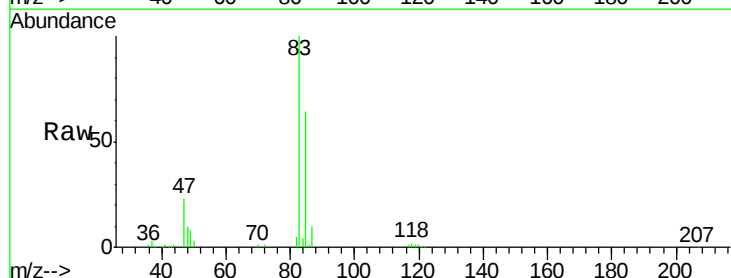
Manual Integrations
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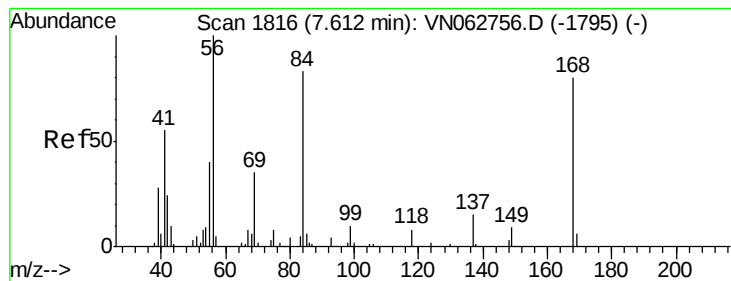
sam
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#30
Chloroform
Concen: 46.809 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. 0.00 min
Lab File: VN062820.D
Acq: 10 Aug 2020 20:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	52.7	79.1





#31

Cyclohexane

Concen: 46.627 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VN062820.D

Acq: 10 Aug 2020 20:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 148099

Ion Ratio Lower Upper

56 100

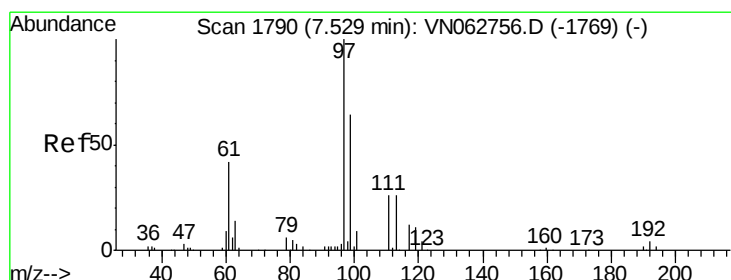
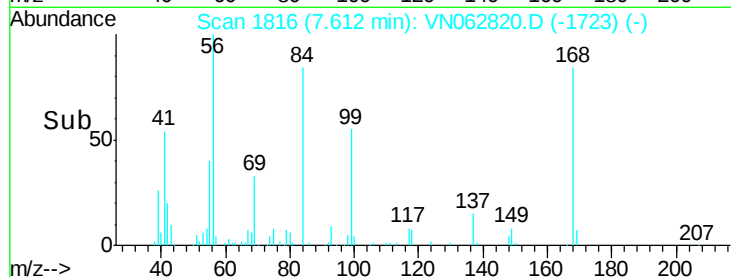
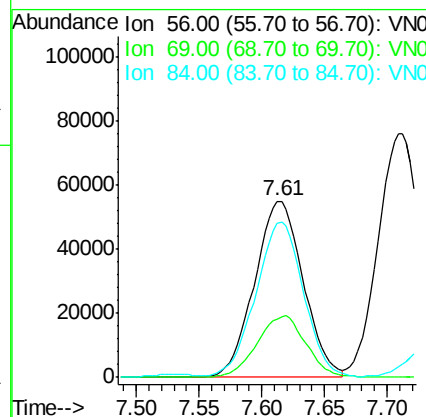
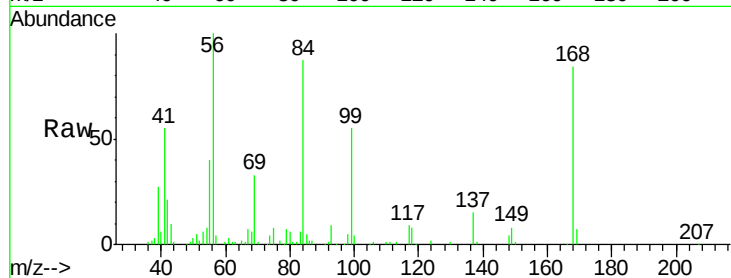
69 32.9 28.1 42.1

84 86.2 66.8 100.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 47.024 ug/l

RT: 7.53 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VN062820.D

Acq: 10 Aug 2020 20:14

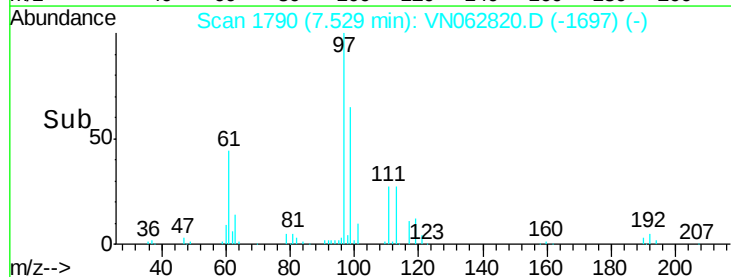
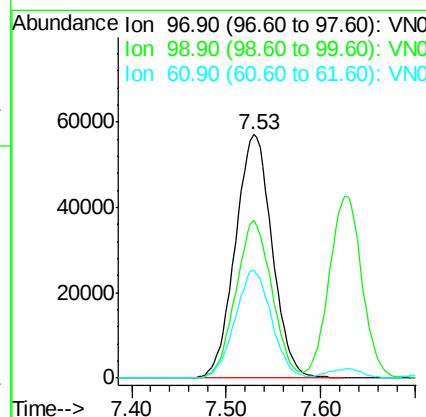
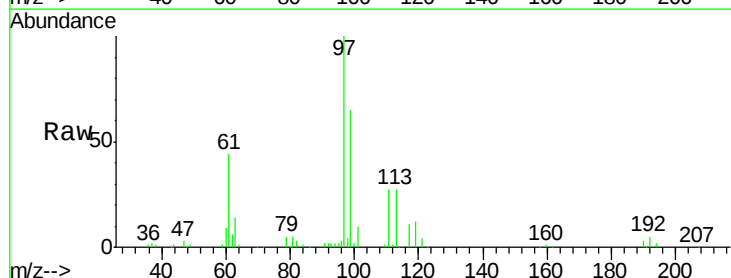
Tgt Ion: 97 Resp: 154603

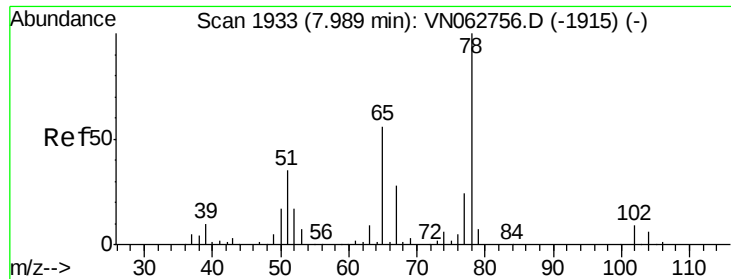
Ion Ratio Lower Upper

97 100

99 63.2 50.0 75.0

61 43.6 34.8 52.2





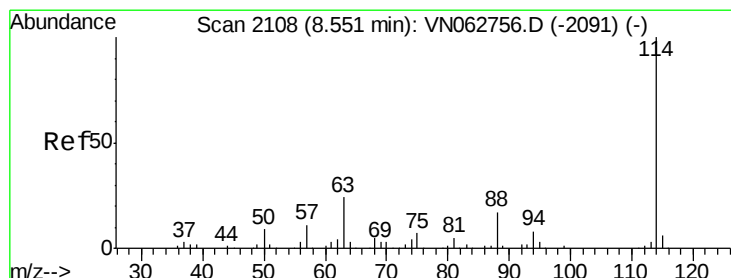
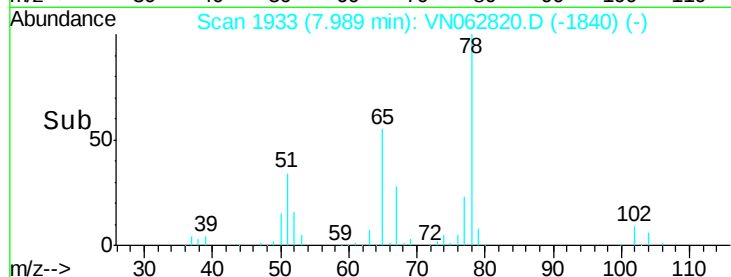
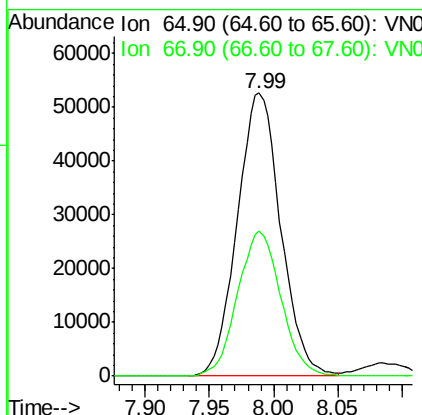
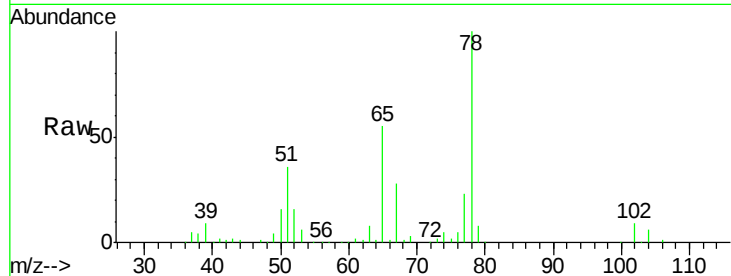
#33
 1,2-Dichloroethane-d4
 Concen: 47.232 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN062820.D
 Acq: 10 Aug 2020 20:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.0	0.0	101.4	

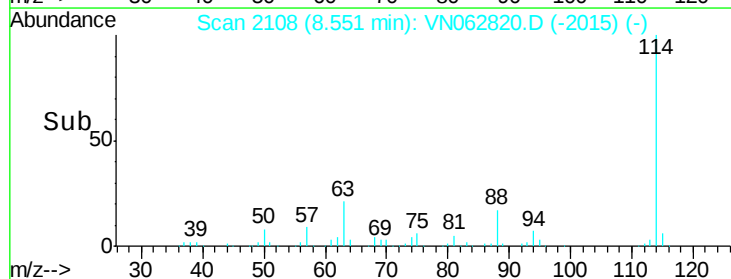
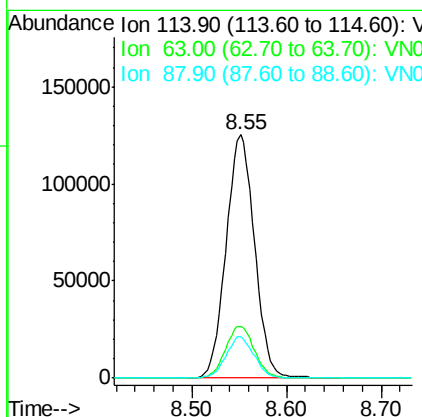
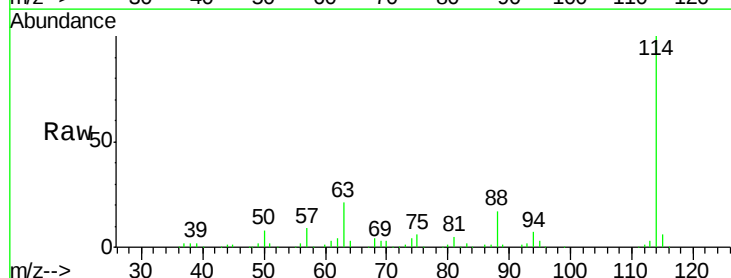
Manual Integrations
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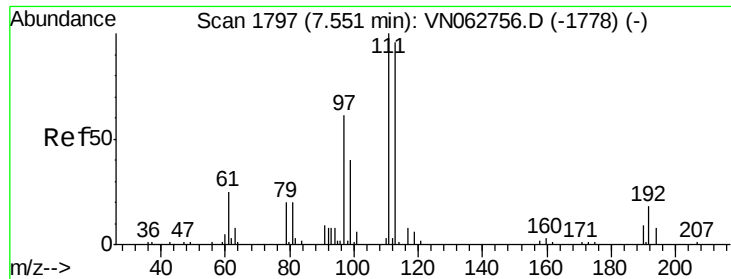
sam
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN062820.D
 Acq: 10 Aug 2020 20:14

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.3	0.0	47.6	
88	17.2	0.0	34.4	





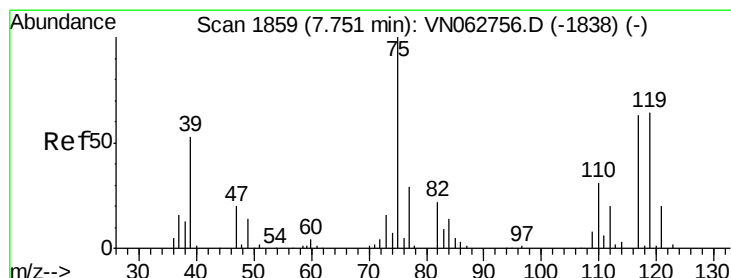
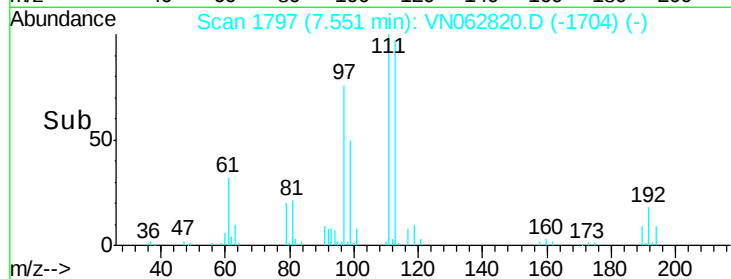
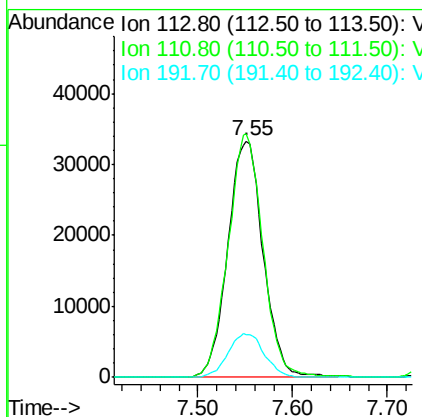
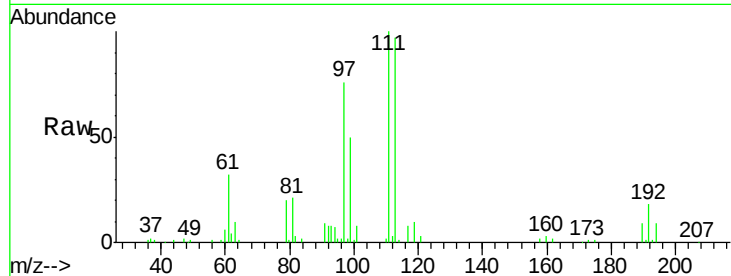
#35
 Dibromofluoromethane
 Concen: 48.526 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN062820.D
 Acq: 10 Aug 2020 20:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	86691		
111	101.1	81.8	122.6	
192	18.8	15.0	22.4	

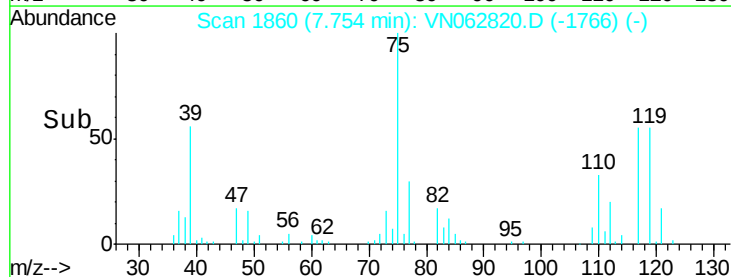
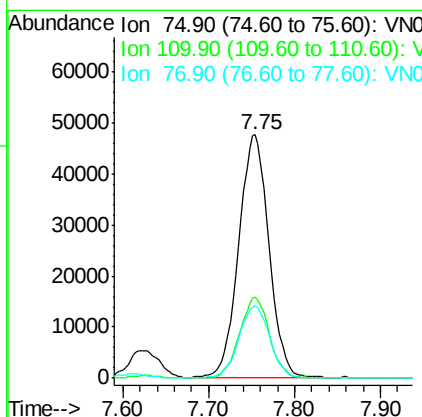
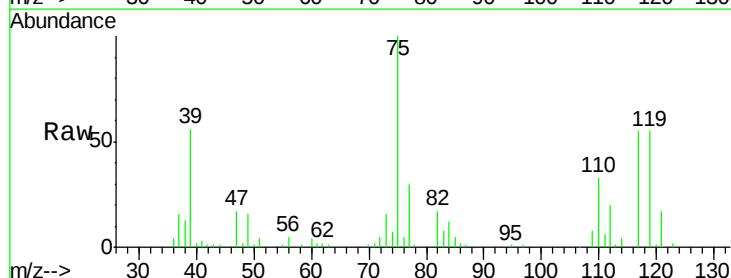
Manual Integrations
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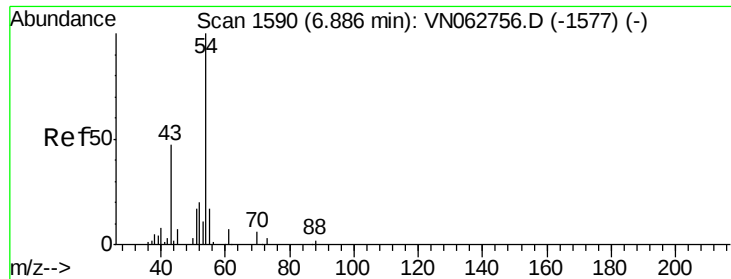
sam
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#36
 1,1-Dichloropropene
 Concen: 46.072 ug/l
 RT: 7.75 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VN062820.D
 Acq: 10 Aug 2020 20:14

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	117160		
110	32.6	15.6	46.7	
77	30.2	24.1	36.1	





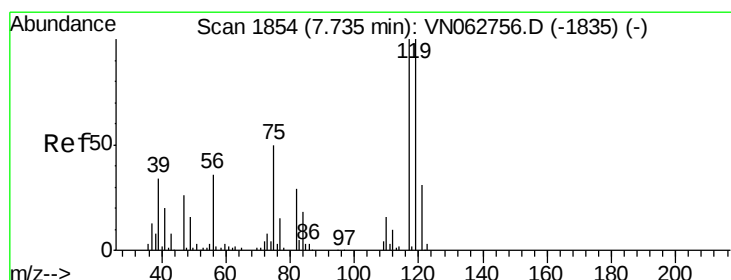
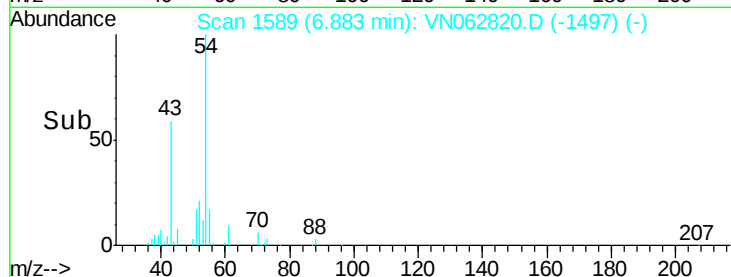
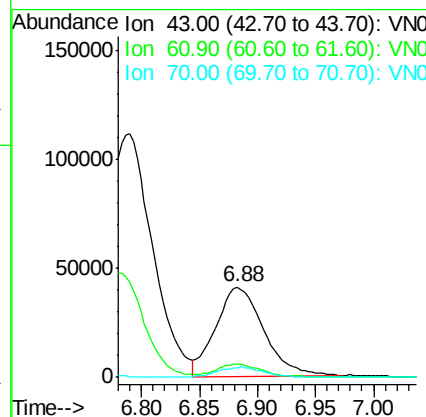
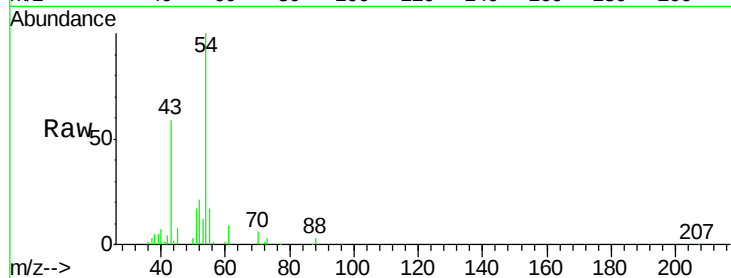
#37
Ethyl Acetate
Concen: 44.012 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. -0.00 min
Lab File: VN062820.D
Acq: 10 Aug 2020 20:14

Instrument :
MSVOA_N
ClientSampleID :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	12.1	18.1
70	11.1	8.3	12.5

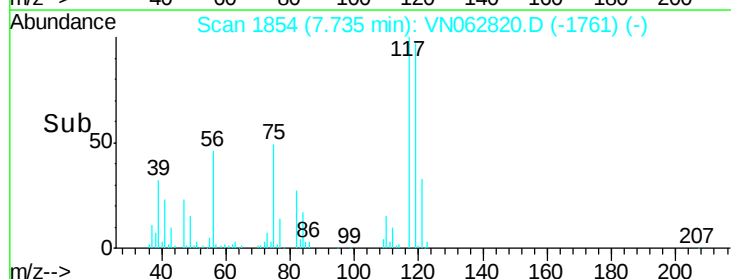
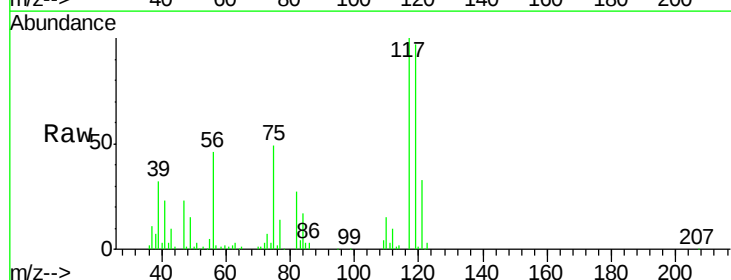
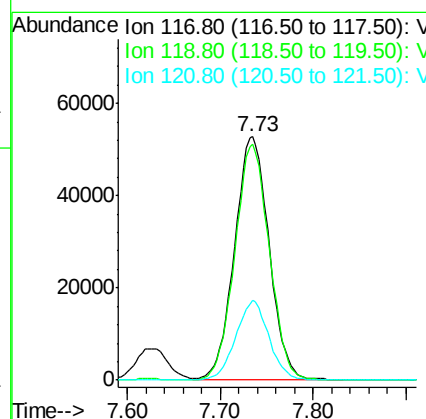
Manual Integrations
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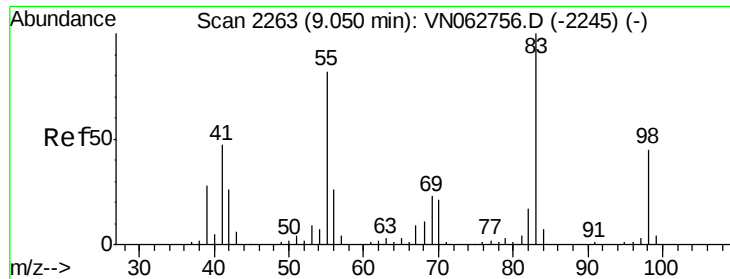
sam
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#38
Carbon Tetrachloride
Concen: 45.469 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VN062820.D
Acq: 10 Aug 2020 20:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.8	79.4	119.2
121	32.7	24.9	37.3





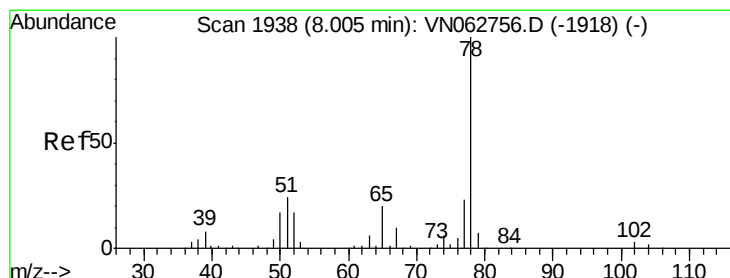
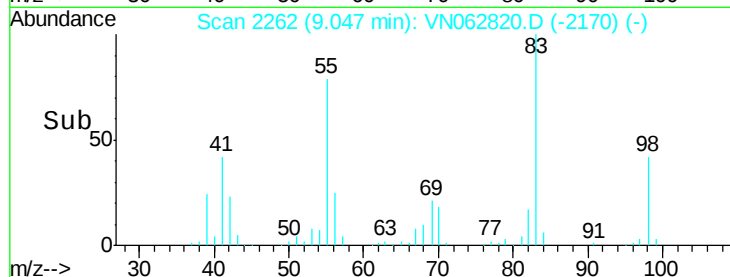
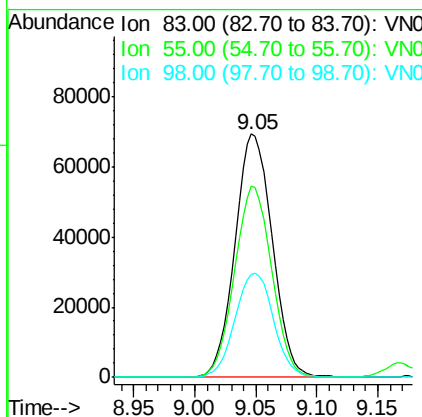
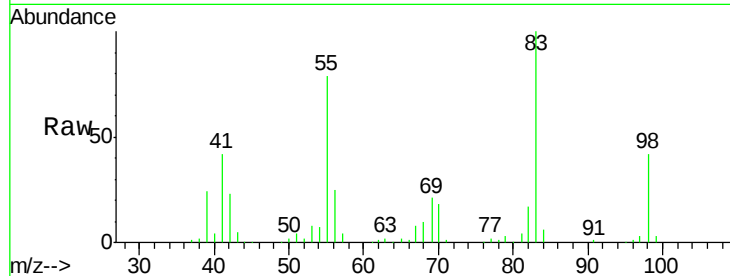
#39
Methvlcvclohexane
Concen: 48.037 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN062820.D
Acq: 10 Aug 2020 20:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	147007
Ion Ratio	Lower	Upper	
83	100		
55	78.7	65.7	98.5
98	42.1	35.6	53.4

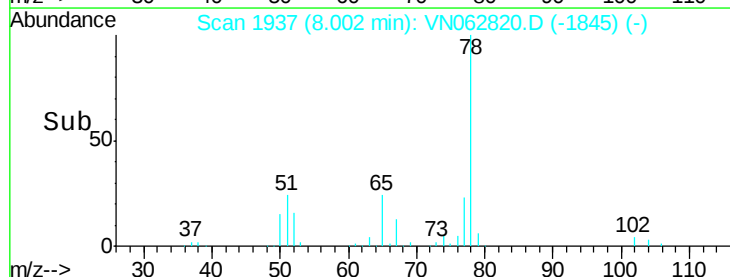
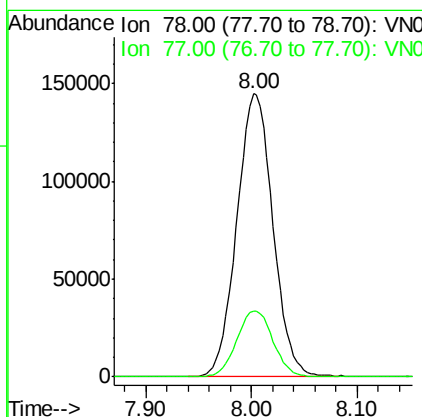
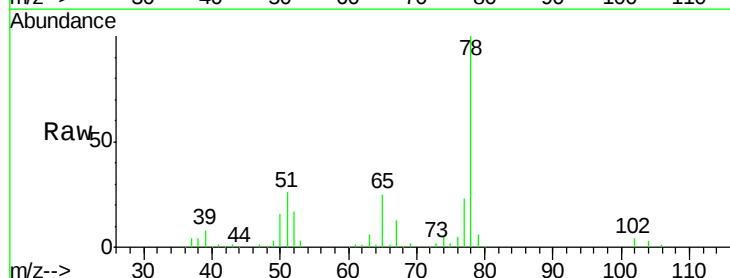
Manual Integrations
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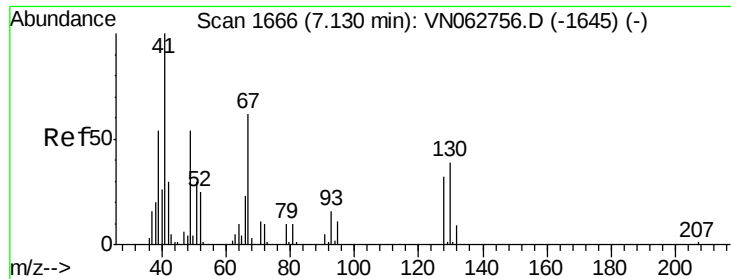
sam
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#40
Benzene
Concen: 45.371 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN062820.D
Acq: 10 Aug 2020 20:14

Tgt Ion	78	Resp	344287
Ion Ratio	Lower	Upper	
78	100		
77	23.3	18.1	27.1





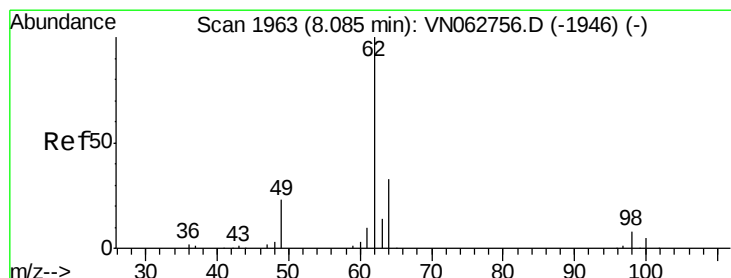
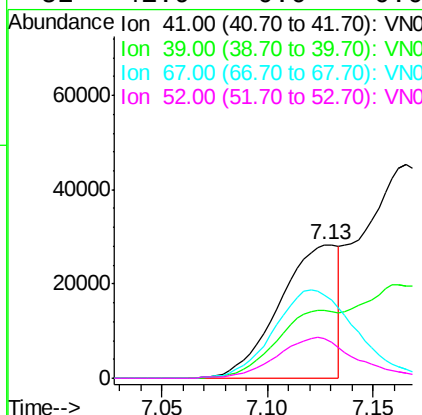
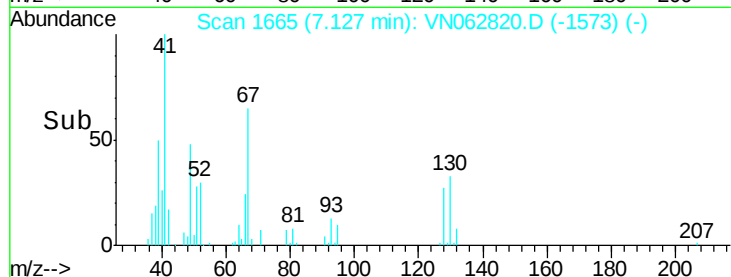
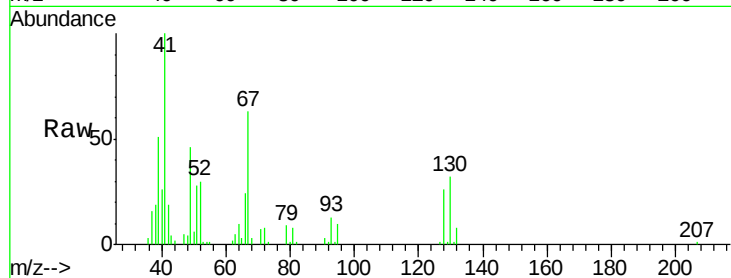
#41
Methacrylonitrile
Concen: 45.880 ug/l
RT: 7.13 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VN062820.D
Acq: 10 Aug 2020 20:14

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		54995		
39	52.3	69.4	104.2#		
67	93.4	0.0	0.0#		
52	41.9	0.0	0.0#		

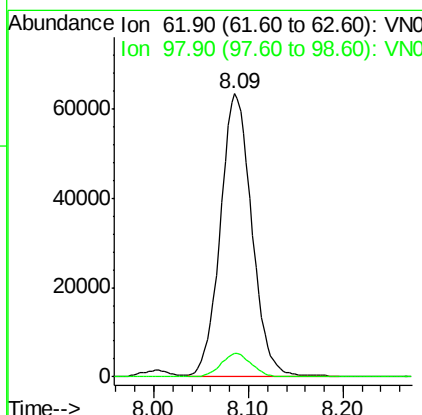
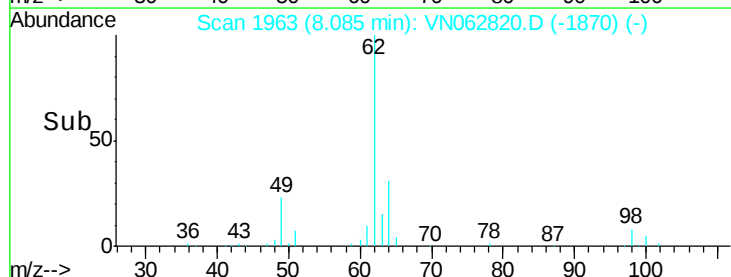
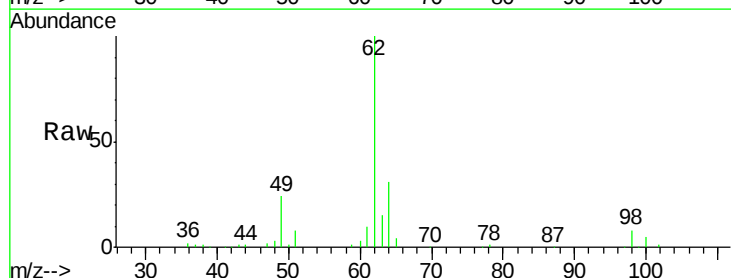
Manual Integrations
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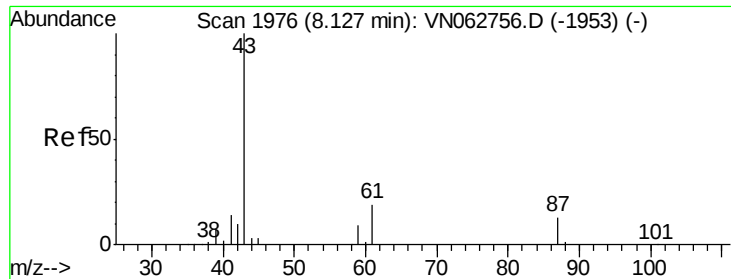
sam
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#42
1,2-Dichloroethane
Concen: 45.455 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VN062820.D
Acq: 10 Aug 2020 20:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		146805		
98	7.9	0.0	15.8		





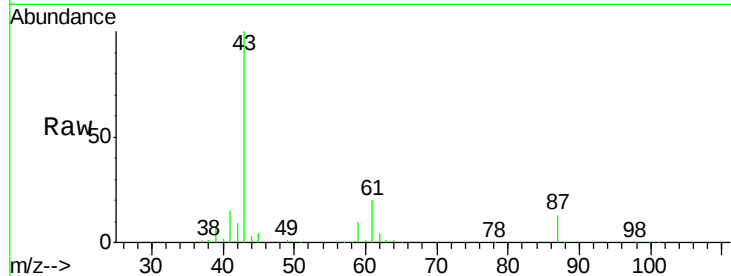
#43
Isopropyl Acetate
Concen: 45.102 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN062820.D
Acq: 10 Aug 2020 20:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.3	15.8	23.6#
87	13.4	9.9	14.9

Manual Integrations
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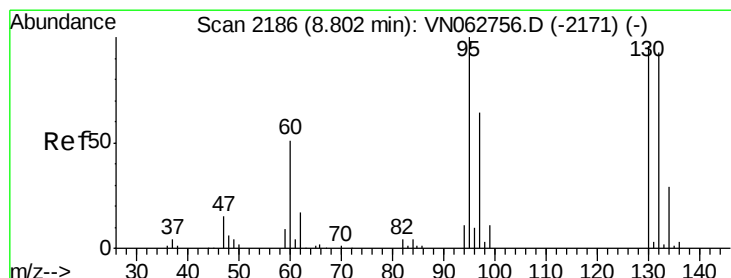
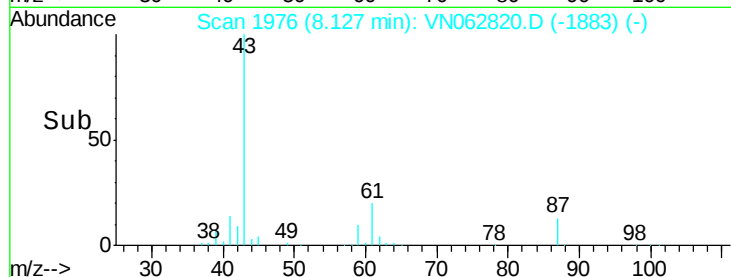
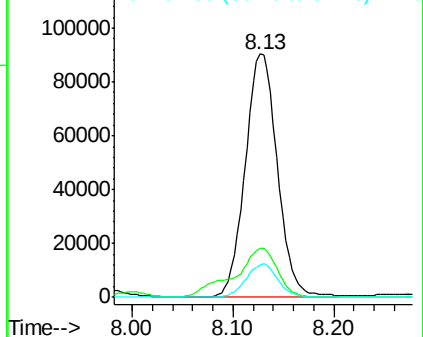


Abundance

Ion 43.00 (42.70 to 43.70): VN062820.D (-1883) (-)

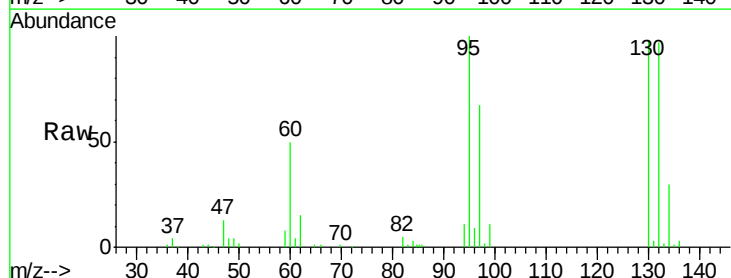
Ion 61.00 (60.70 to 61.70): VN062820.D (-1883) (-)

Ion 87.00 (86.70 to 87.70): VN062820.D (-1883) (-)



#44
Trichloroethene
Concen: 45.715 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. 0.00 min
Lab File: VN062820.D
Acq: 10 Aug 2020 20:14

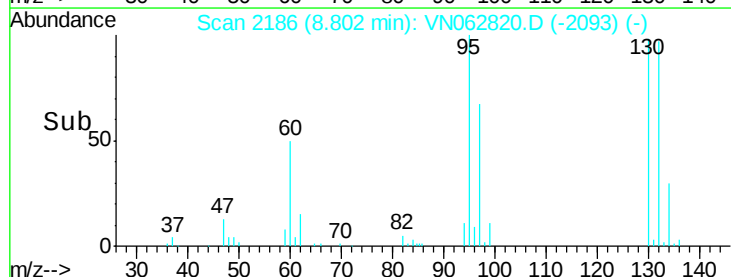
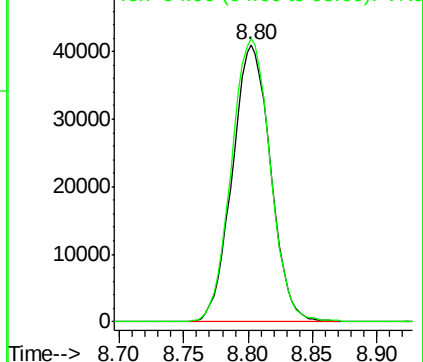
Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.1	0.0	207.6

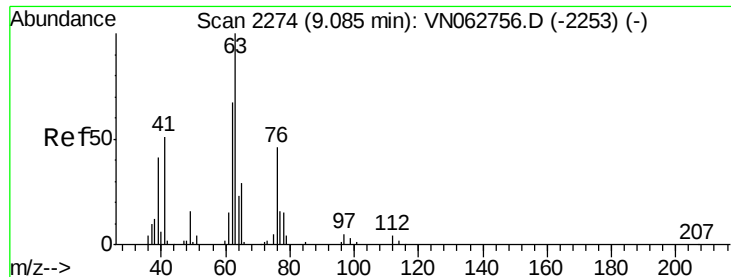


Abundance

Ion 129.80 (129.50 to 130.50): VN062820.D (-2093) (-)

Ion 94.90 (94.60 to 95.60): VN062820.D (-2093) (-)





#45

1,2-Dichloropropane

Concen: 46.085 ug/l

RT: 9.09 min Scan# 2274

Delta R.T. 0.00 min

Lab File: VN062820.D

Acq: 10 Aug 2020 20:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 94647

Ion Ratio Lower Upper

63 100

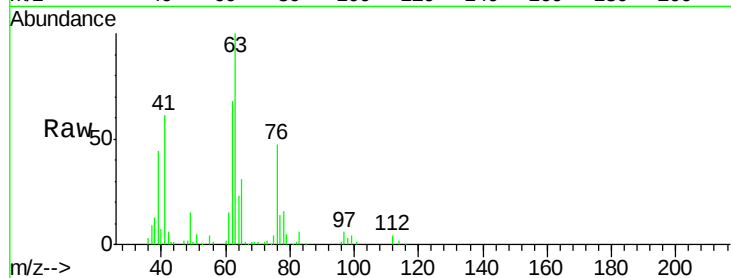
65 31.2 23.5 35.3

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Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO

9.09

50000

40000

30000

20000

10000

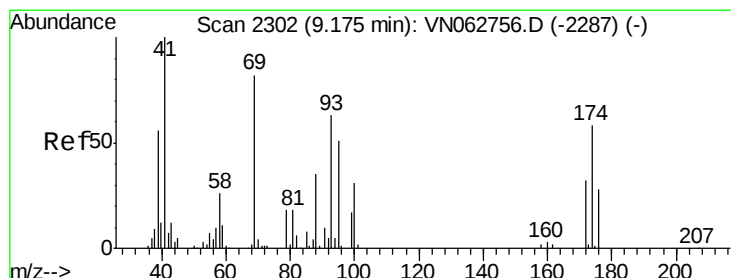
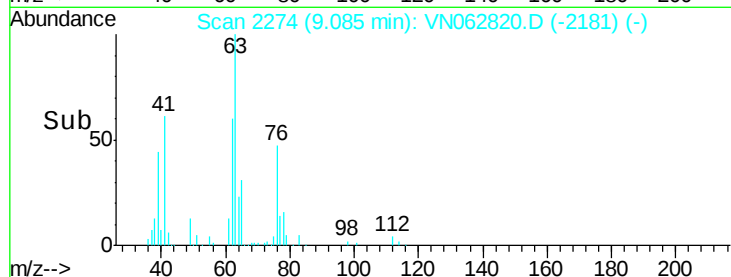
0

Time-->

9.00

9.10

9.20



#46

Dibromomethane

Concen: 47.260 ug/l

RT: 9.18 min Scan# 2302

Delta R.T. 0.00 min

Lab File: VN062820.D

Acq: 10 Aug 2020 20:14

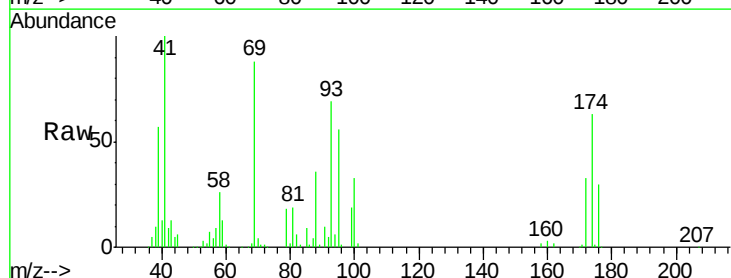
Tgt Ion: 93 Resp: 63595

Ion Ratio Lower Upper

93 100

95 81.4 65.1 97.7

174 92.1 73.9 110.9



Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO

9.18

40000

30000

20000

10000

0

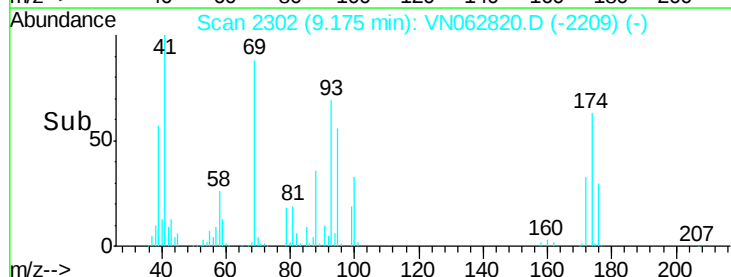
Time-->

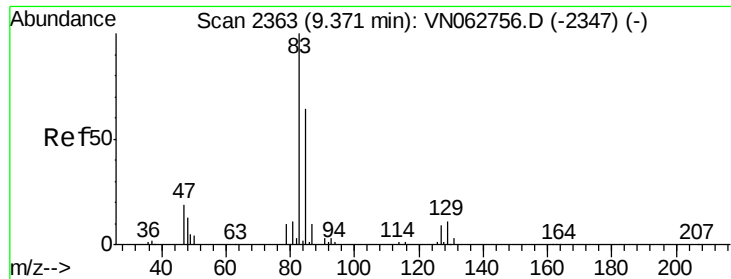
9.10

9.15

9.20

9.25





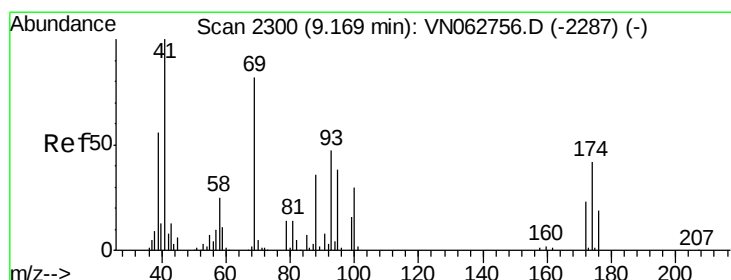
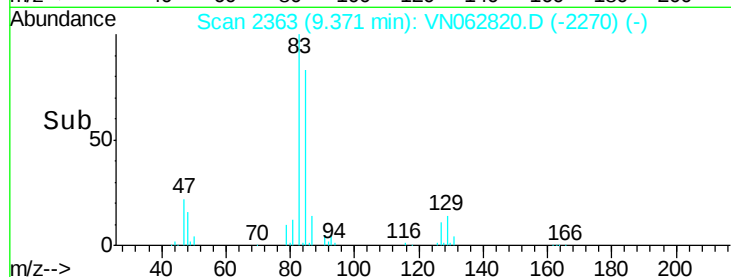
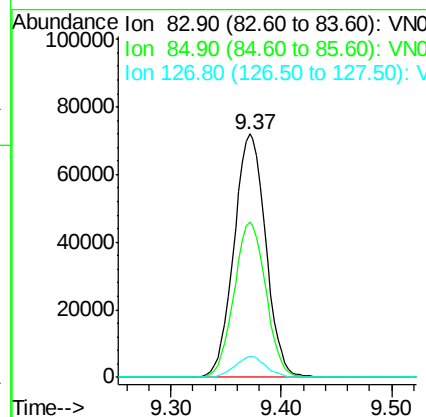
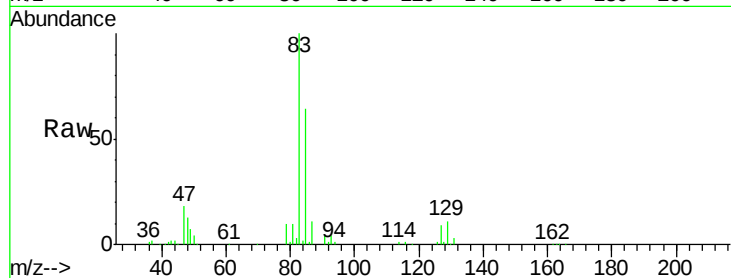
#47
Bromodichloromethane
Concen: 47.560 ug/l
RT: 9.37 min Scan# 2363
Delta R.T. 0.00 min
Lab File: VN062820.D
Acq: 10 Aug 2020 20:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	143740
Ion Ratio	100	Lower	Upper
83	100		
85	63.9	51.4	77.0
127	8.8	6.9	10.3

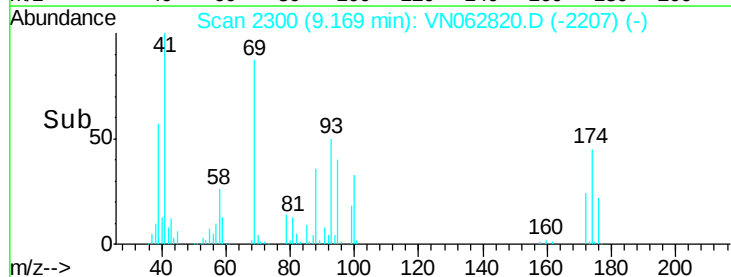
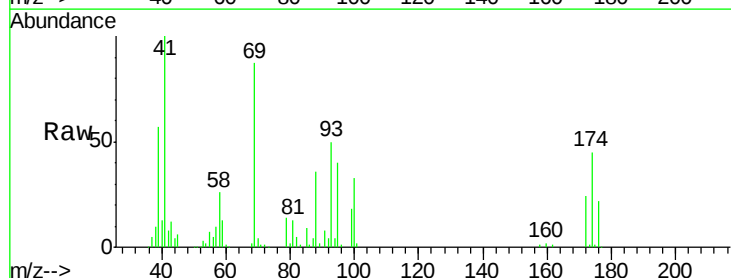
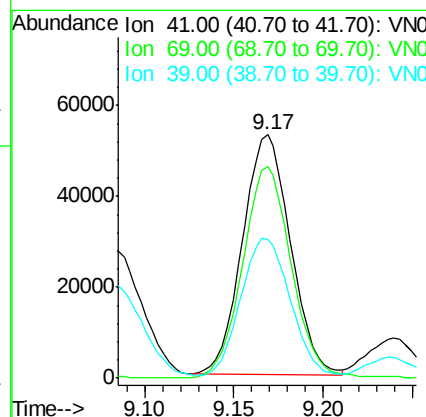
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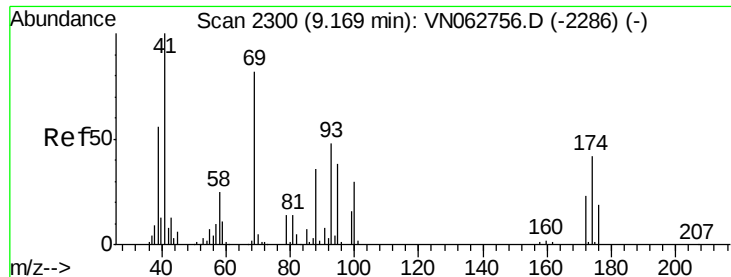
sam
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#48
Methyl methacrylate
Concen: 45.686 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. 0.00 min
Lab File: VN062820.D
Acq: 10 Aug 2020 20:14

Tgt Ion	41	Resp	99564
Ion Ratio	100	Lower	Upper
41	100		
69	89.5	67.4	101.2
39	58.8	47.6	71.4





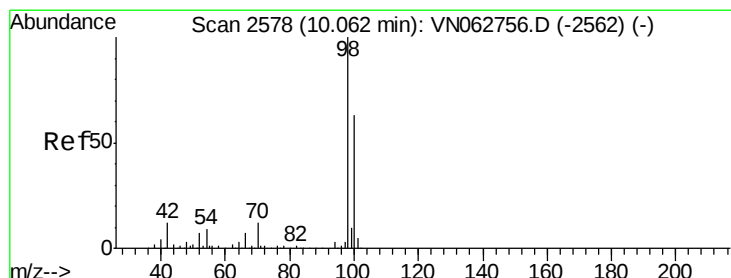
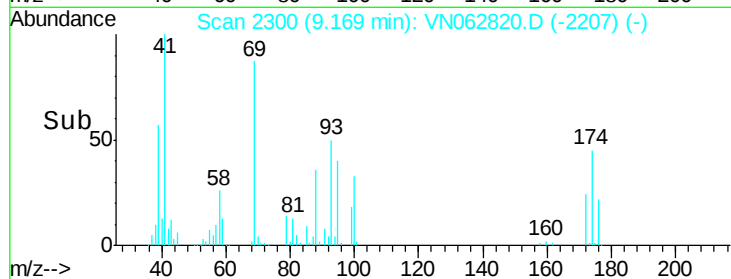
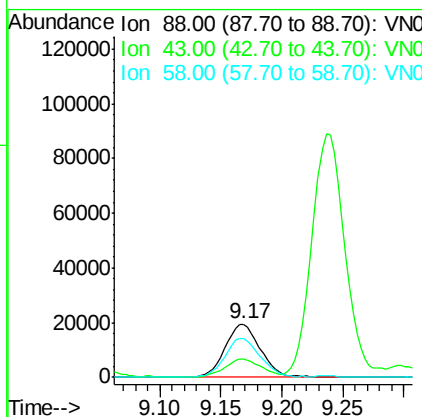
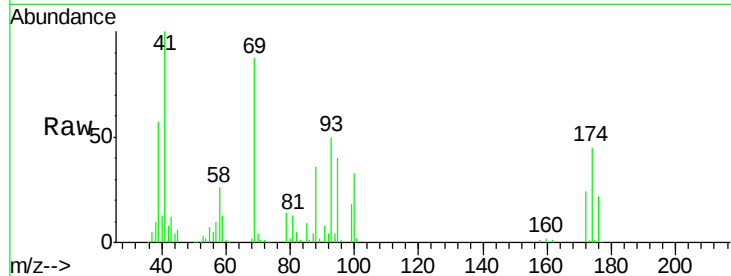
#49
1,4-Dioxane
Concen: 978.368 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. 0.00 min
Lab File: VN062820.D
Acq: 10 Aug 2020 20:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.8	29.5	44.3
58	72.1	59.8	89.8

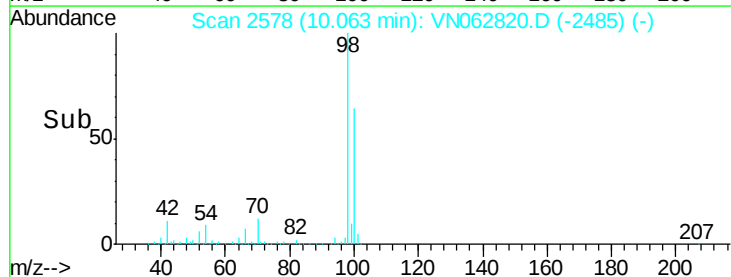
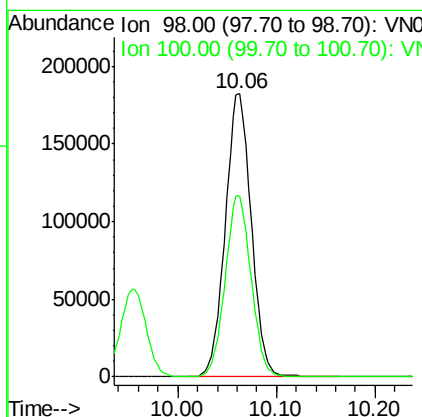
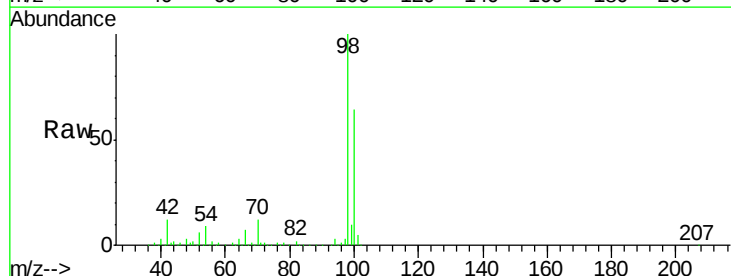
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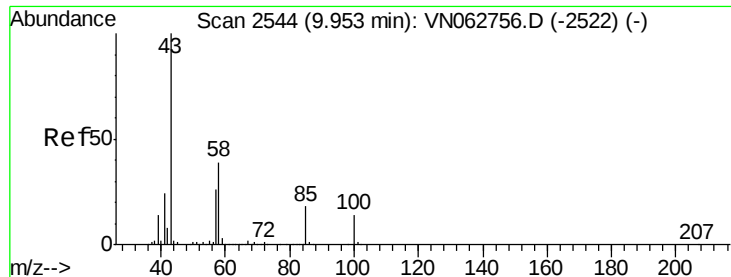
sam
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#50
Toluene-d8
Concen: 48.256 ug/l
RT: 10.06 min Scan# 2578
Delta R.T. 0.00 min
Lab File: VN062820.D
Acq: 10 Aug 2020 20:14

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.3	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 237.924 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. 0.00 min

Lab File: VN062820.D

Acq: 10 Aug 2020 20:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 682069

Ion Ratio Lower Upper

43 100

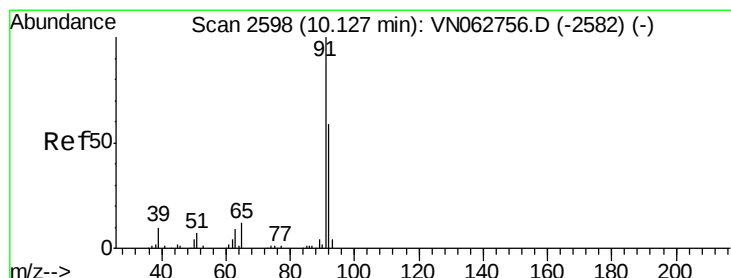
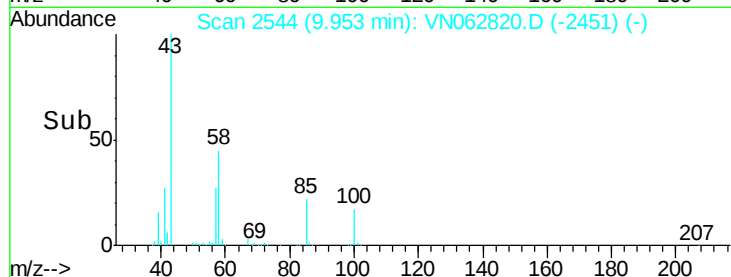
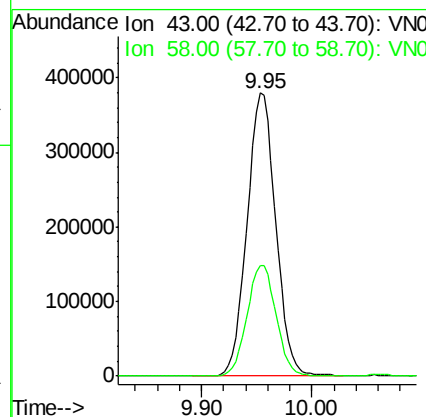
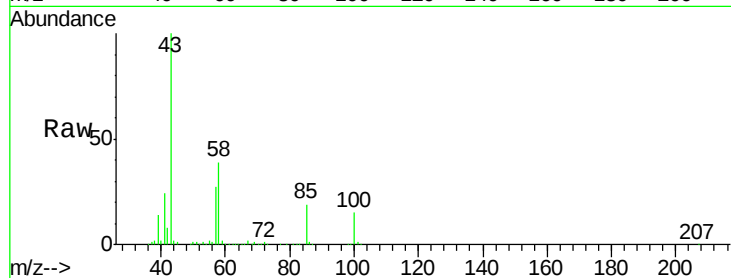
58 39.7 31.1 46.7

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#52

Toluene

Concen: 47.771 ug/l

RT: 10.13 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VN062820.D

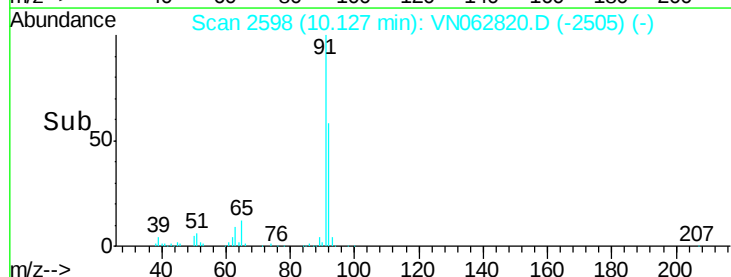
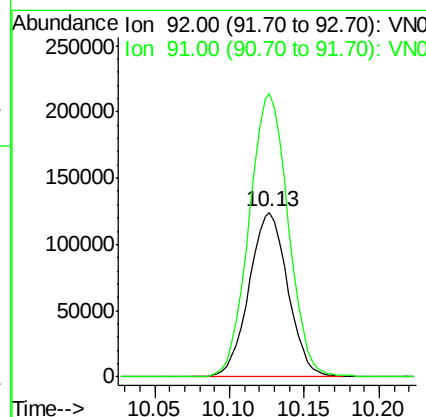
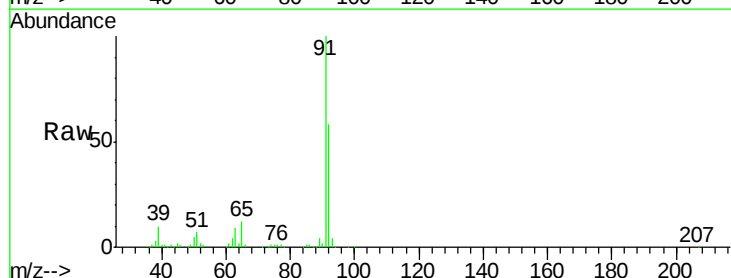
Acq: 10 Aug 2020 20:14

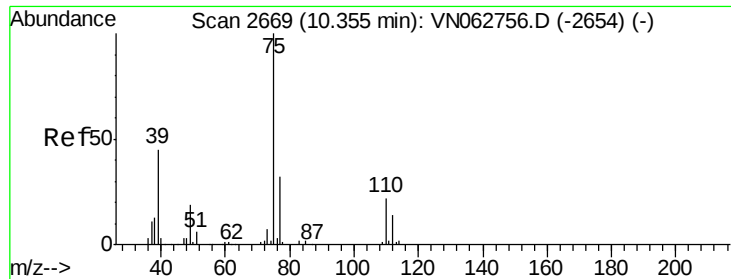
Tgt Ion: 92 Resp: 223813

Ion Ratio Lower Upper

92 100

91 174.1 138.9 208.3





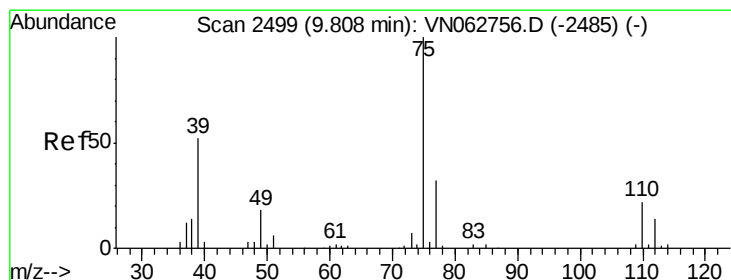
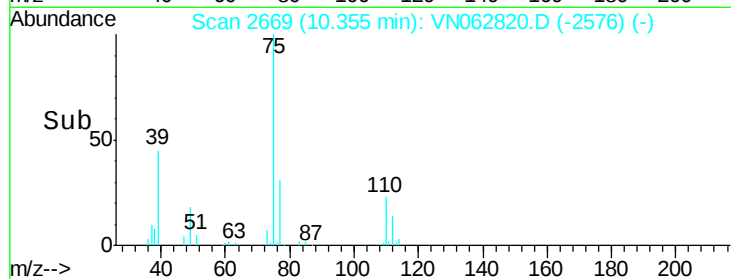
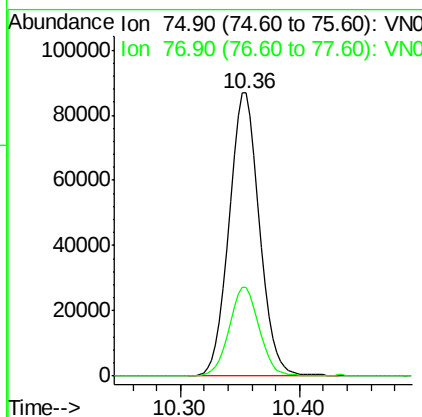
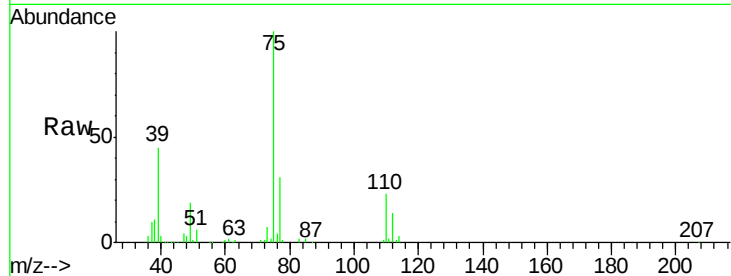
#53
t-1,3-Dichloropropene
Concen: 46.190 ug/l
RT: 10.36 min Scan# 2669
Delta R.T. 0.00 min
Lab File: VN062820.D
Acq: 10 Aug 2020 20:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.4	38.2

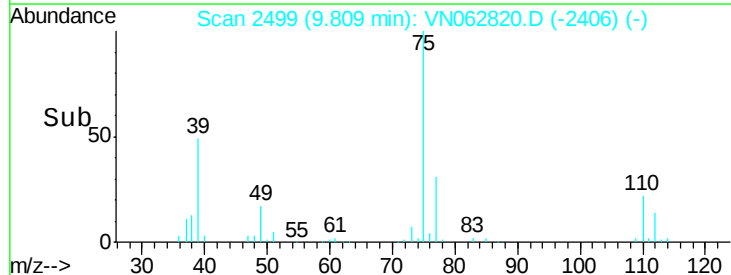
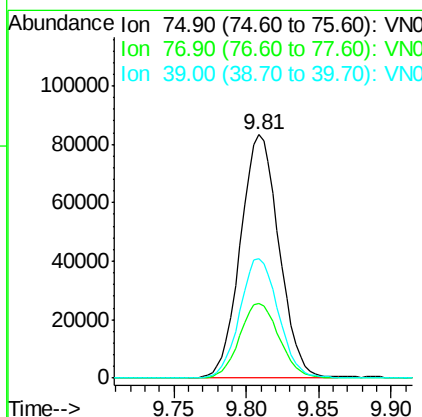
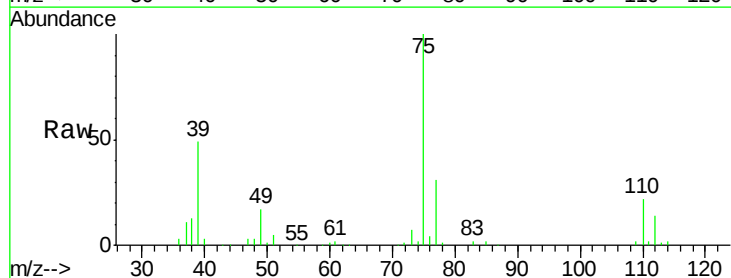
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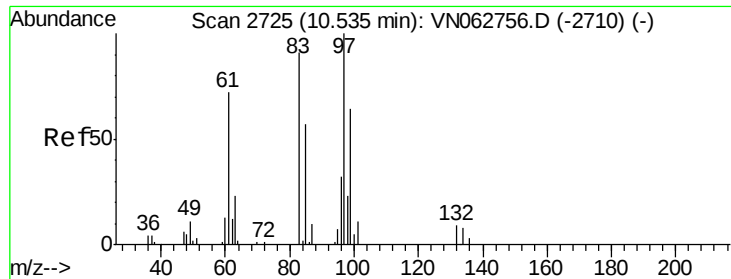
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#54
cis-1,3-Dichloropropene
Concen: 46.356 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VN062820.D
Acq: 10 Aug 2020 20:14

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.5	38.3
39	49.2	41.9	62.9





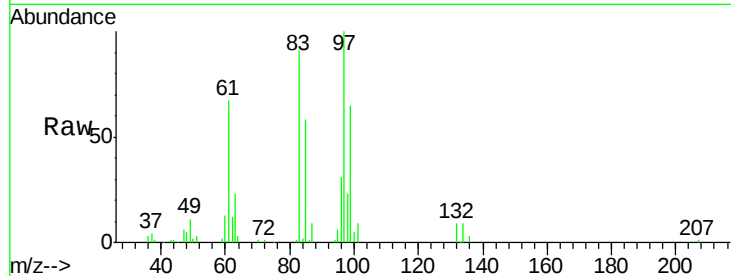
#55
 1,1,2-Trichloroethane
 Concen: 46.433 ug/l
 RT: 10.54 min Scan# 2725
 Delta R.T. 0.00 min
 Lab File: VN062820.D
 Acq: 10 Aug 2020 20:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

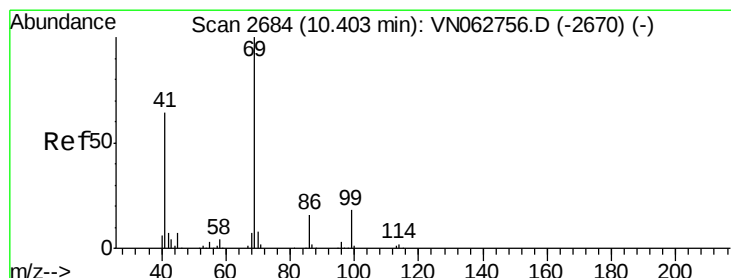
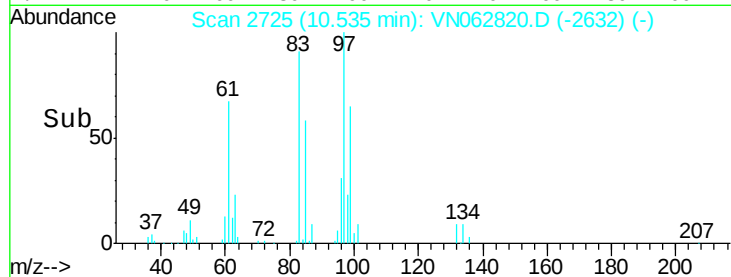
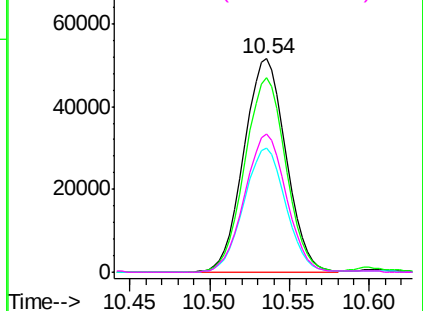
Tot Ion:	97	Resp:	92913
Ion	Ratio	Lower	Upper
97	100		
83	91.1	72.6	108.8
85	58.1	46.0	69.0
99	64.9	51.1	76.7

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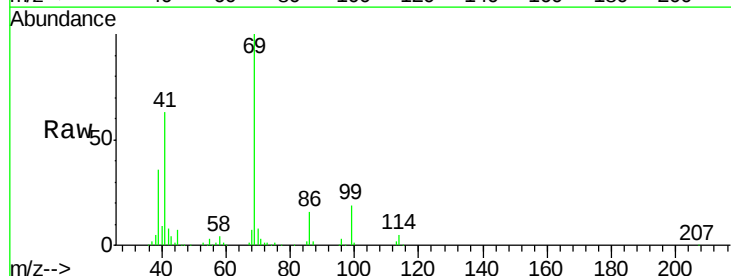


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

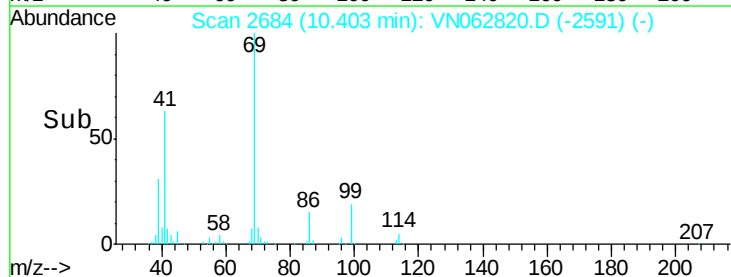
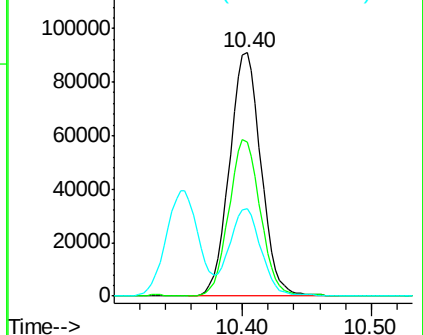


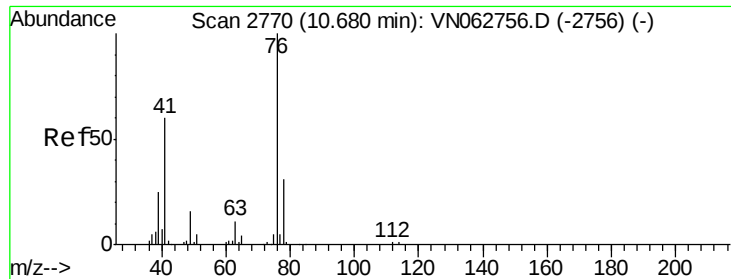
#56
 Ethyl methacrylate
 Concen: 51.161 ug/l
 RT: 10.40 min Scan# 2684
 Delta R.T. 0.00 min
 Lab File: VN062820.D
 Acq: 10 Aug 2020 20:14

Tgt Ion:	69	Resp:	154091
Ion	Ratio	Lower	Upper
69	100		
41	63.7	52.2	78.2
39	36.5	30.9	46.3



Abundance Ion 69.00 (68.70 to 69.70): VN0
 Ion 41.00 (40.70 to 41.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 47.587 ug/l

RT: 10.68 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VN062820.D

Acq: 10 Aug 2020 20:14

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 76 Resp: 161792

Ion Ratio Lower Upper

76 100

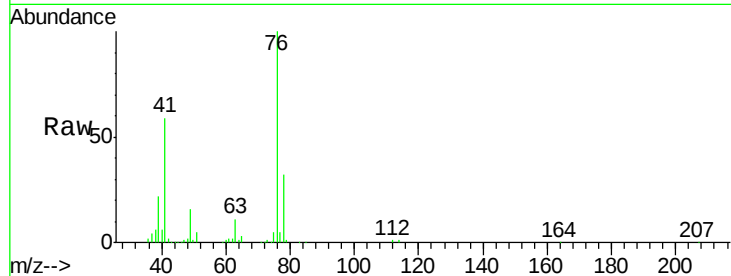
78 32.3 25.4 38.0

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.68

80000

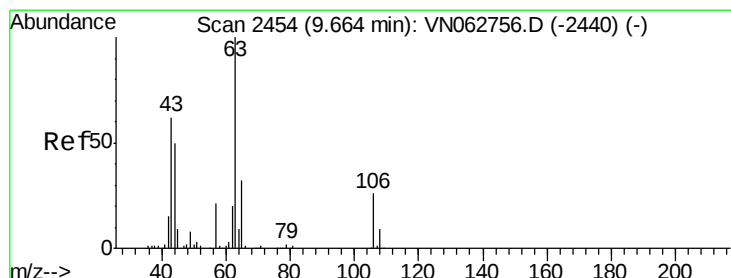
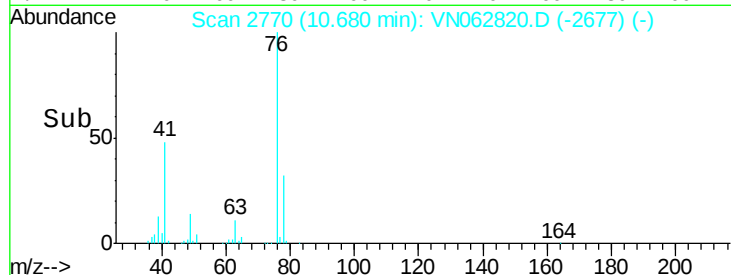
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 244.349 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VN062820.D

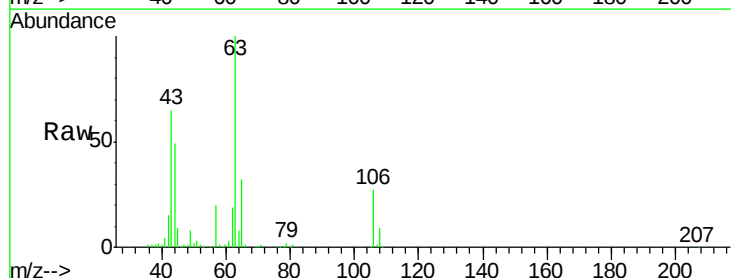
Acq: 10 Aug 2020 20:14

Tgt Ion: 63 Resp: 208027

Ion Ratio Lower Upper

63 100

106 26.5 20.9 31.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

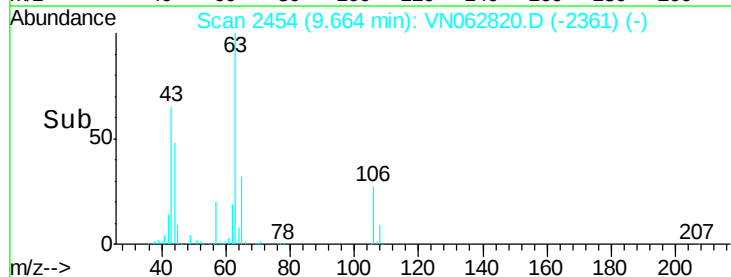
9.66

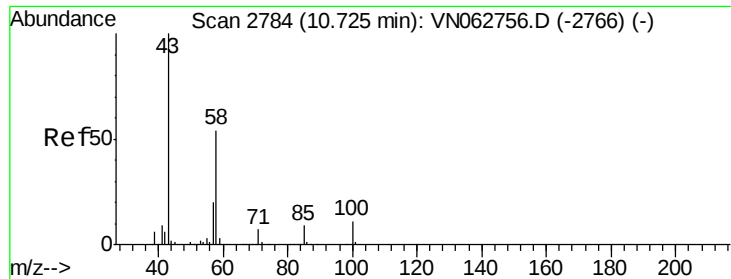
100000

50000

0

Time-->





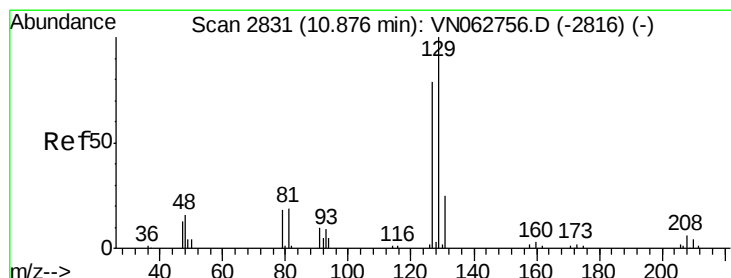
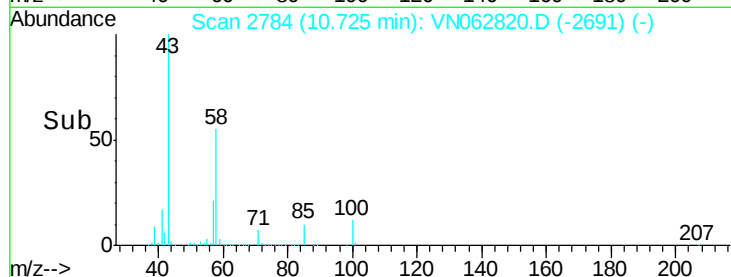
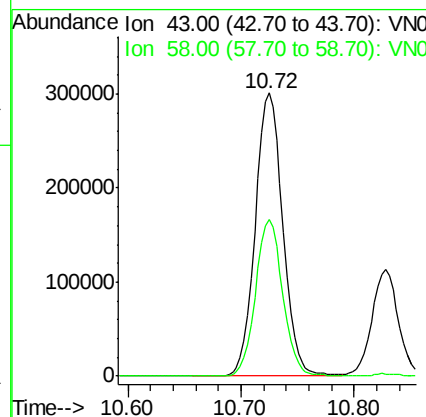
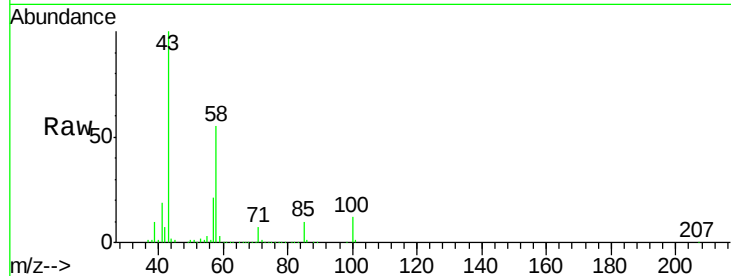
#59
2-Hexanone
Concen: 238.750 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN062820.D
Acq: 10 Aug 2020 20:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 510549
Ion Ratio Lower Upper
43 100
58 54.5 26.7 80.1

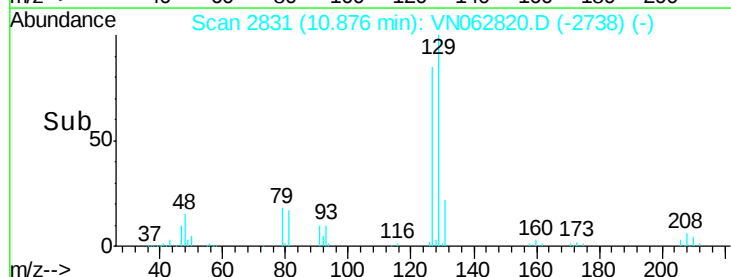
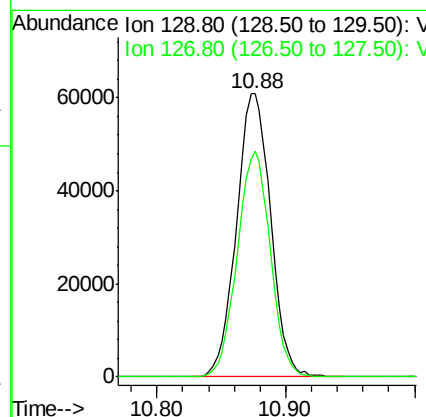
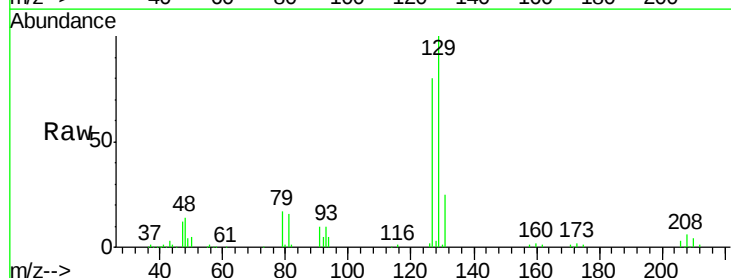
Manual Integrations
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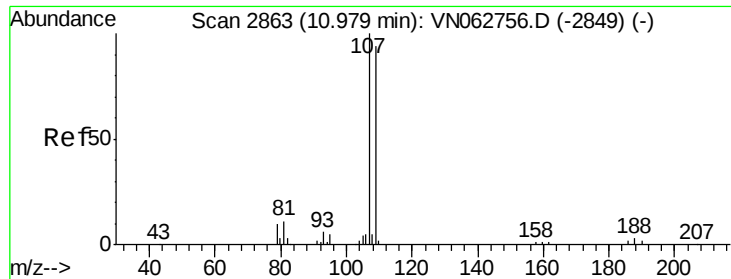
sam
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#60
Dibromochloromethane
Concen: 49.068 ug/l
RT: 10.88 min Scan# 2831
Delta R.T. 0.00 min
Lab File: VN062820.D
Acq: 10 Aug 2020 20:14

Tgt Ion: 129 Resp: 112047
Ion Ratio Lower Upper
129 100
127 77.1 39.1 117.2





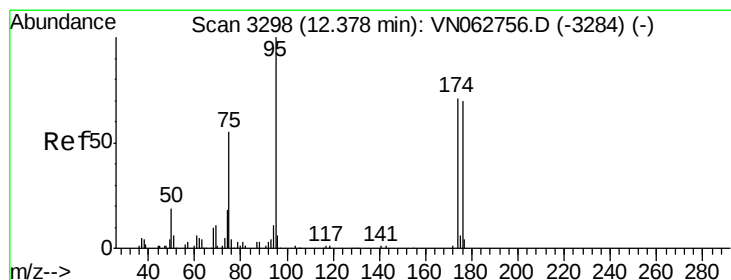
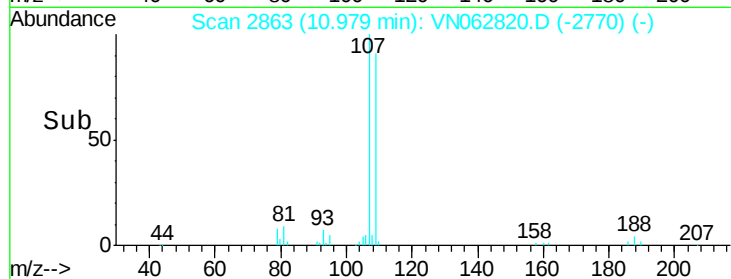
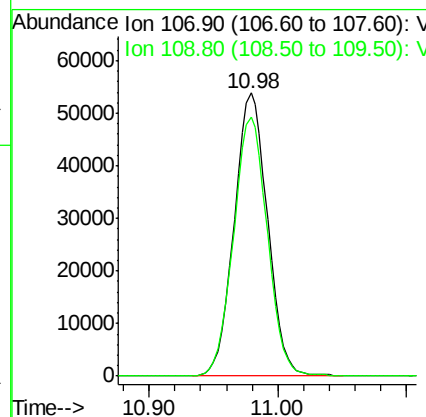
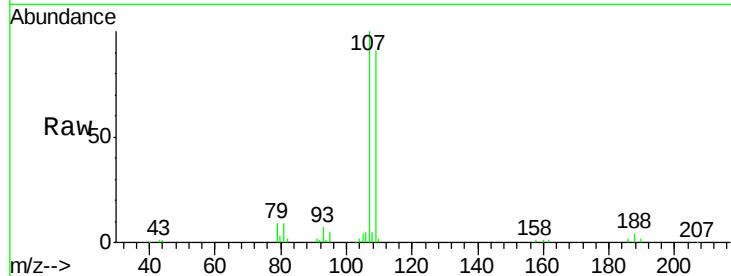
#61
 1,2-Dibromoethane
 Concen: 49.024 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VN062820.D
 Acq: 10 Aug 2020 20:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.8	76.1	114.1

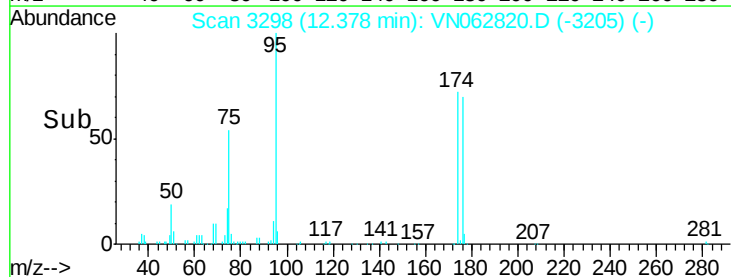
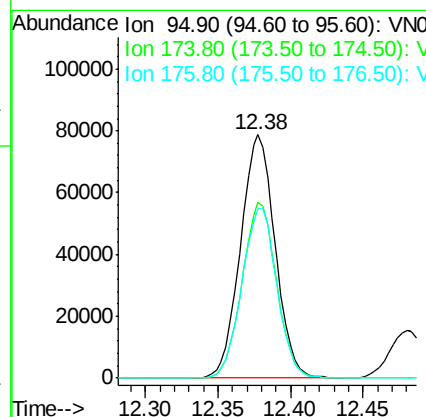
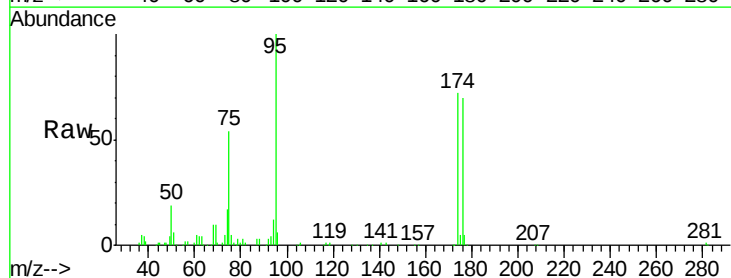
Manual Integrations
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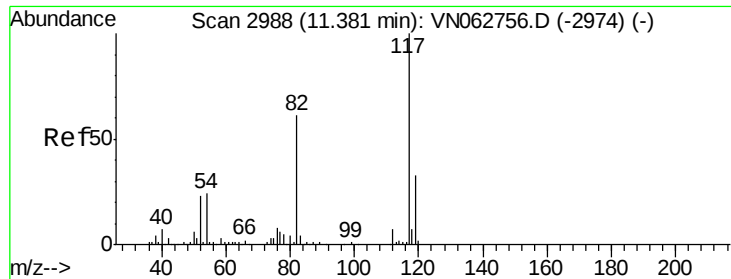
sam
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#62
 4-Bromofluorobenzene
 Concen: 49.390 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VN062820.D
 Acq: 10 Aug 2020 20:14

Tgt Ion	Ratio	Lower	Upper
95	100		
174	72.2	0.0	144.8
176	70.9	0.0	142.2





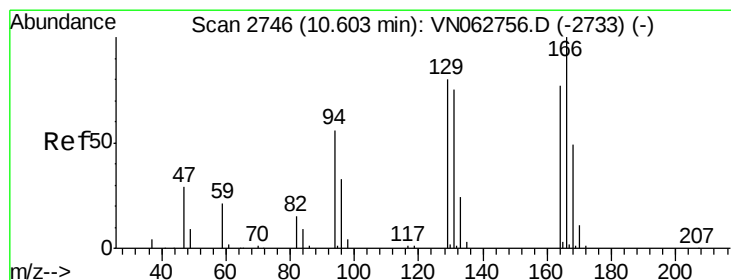
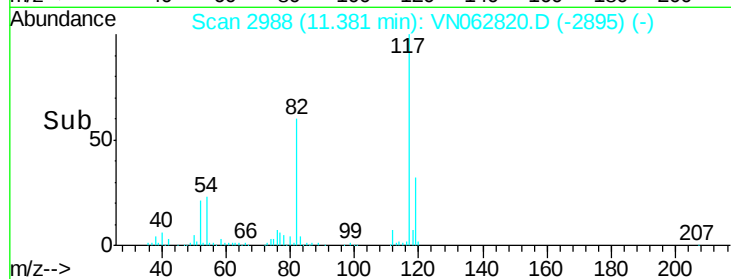
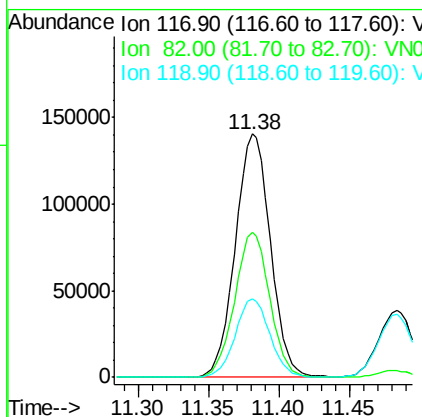
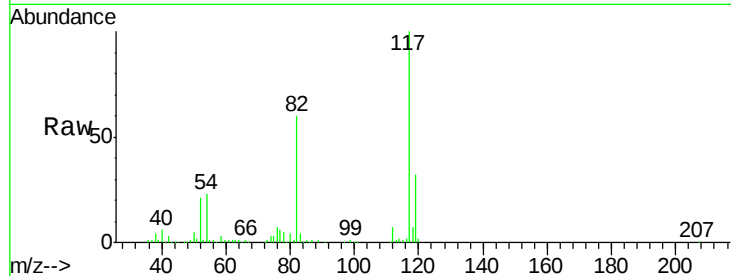
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062820.D
Acq: 10 Aug 2020 20:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	245168		
82	59.8	49.0	73.4	
119	32.3	26.2	39.2	

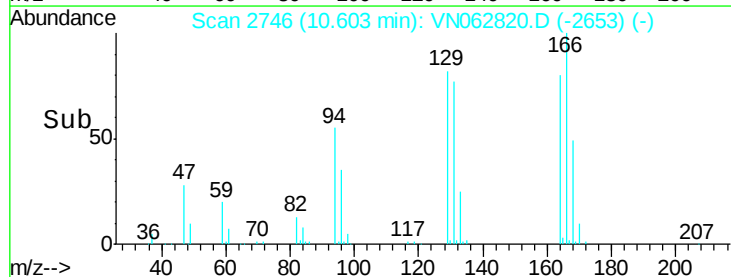
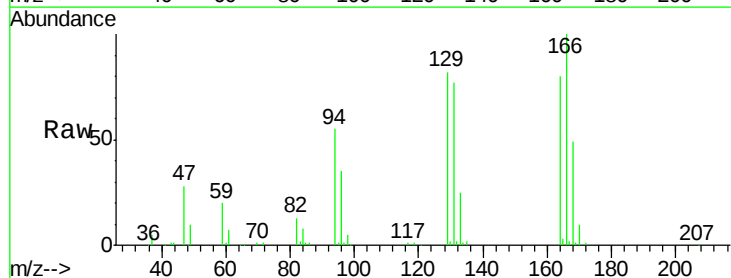
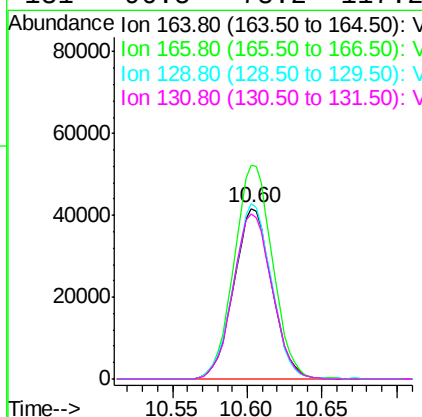
Manual Integrations
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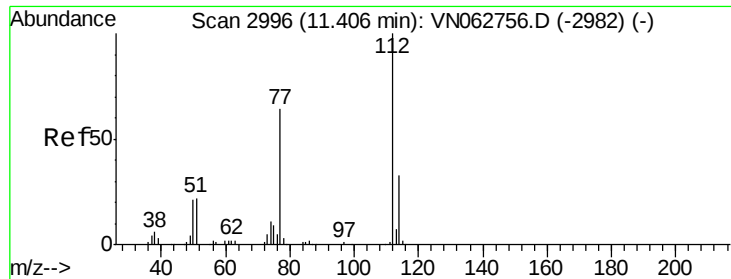
sam
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#64
Tetrachloroethene
Concen: 46.699 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN062820.D
Acq: 10 Aug 2020 20:14

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	73871		
166	125.0	103.8	155.8	
129	102.8	82.7	124.1	
131	96.5	78.2	117.2	





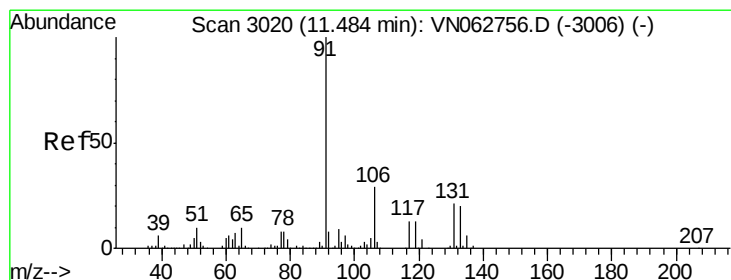
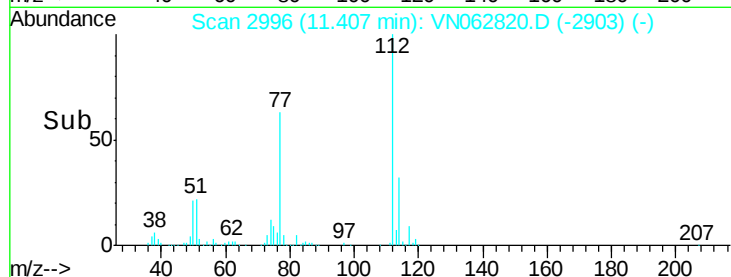
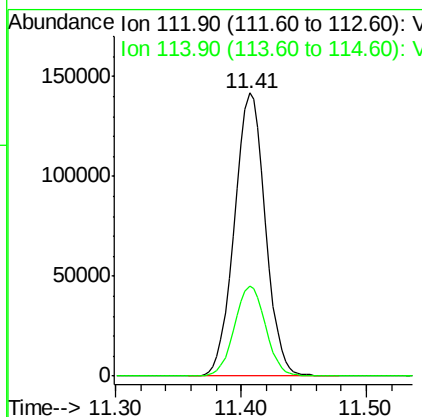
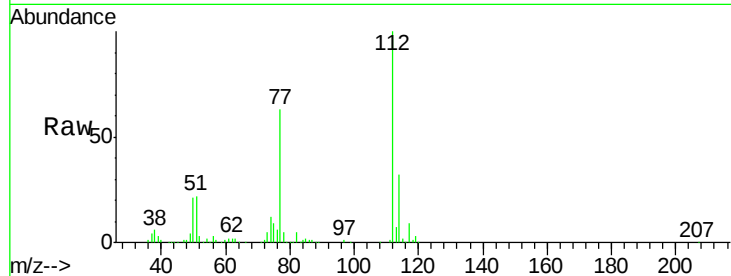
#65
Chlorobenzene
Concen: 47.474 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN062820.D
Acq: 10 Aug 2020 20:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.8	26.2	39.4

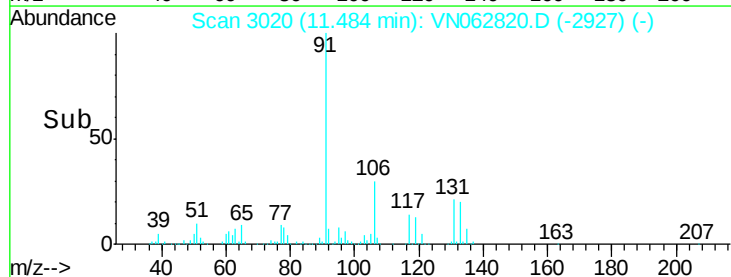
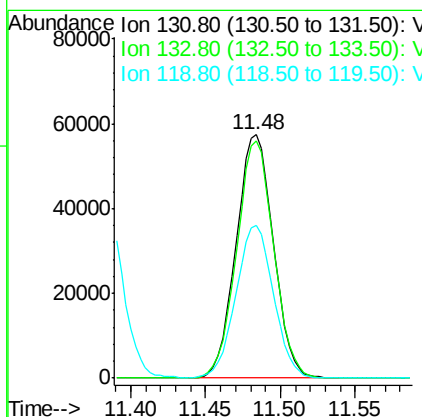
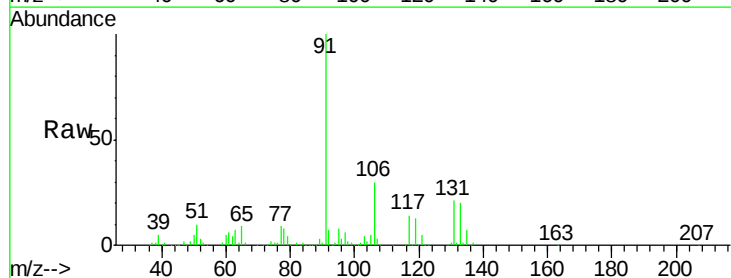
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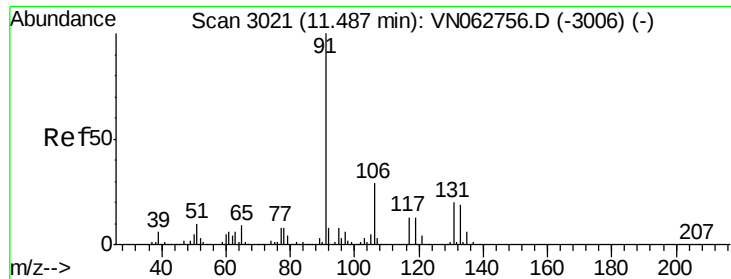
sam
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#66
1,1,1,2-Tetrachloroethane
Concen: 48.439 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN062820.D
Acq: 10 Aug 2020 20:14

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.9	48.6	145.8
119	63.3	32.2	96.6





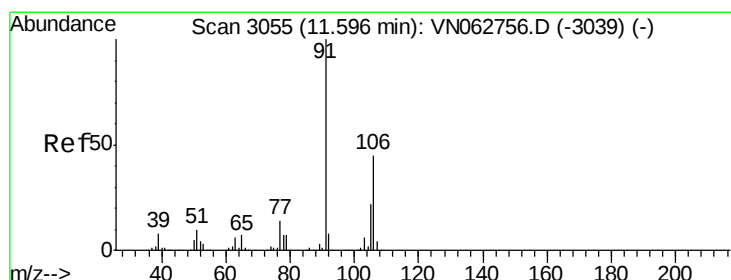
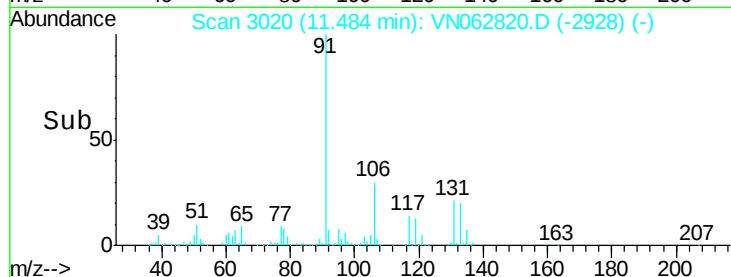
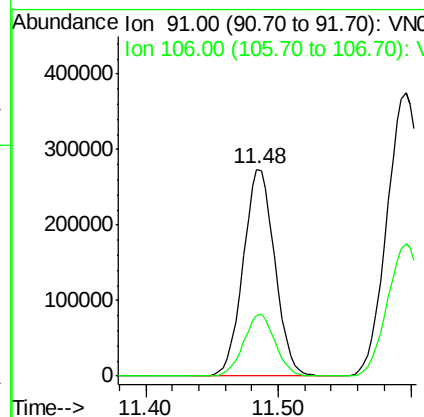
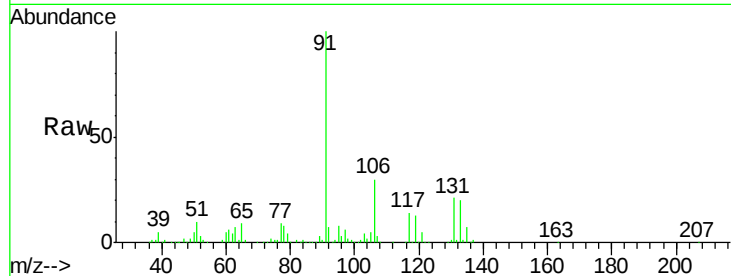
#67
Ethyl Benzene
Concen: 49.349 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN062820.D
Acq: 10 Aug 2020 20:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 452580
Ion Ratio Lower Upper
91 100
106 29.5 23.2 34.8

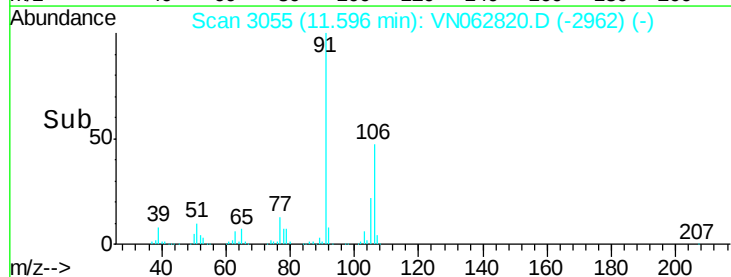
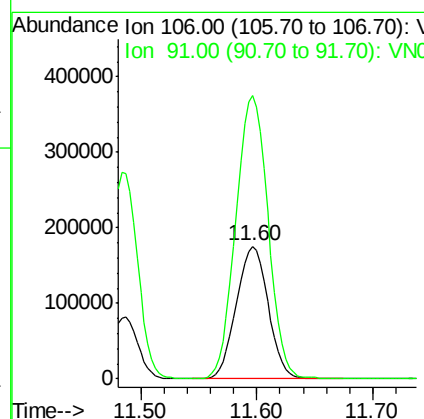
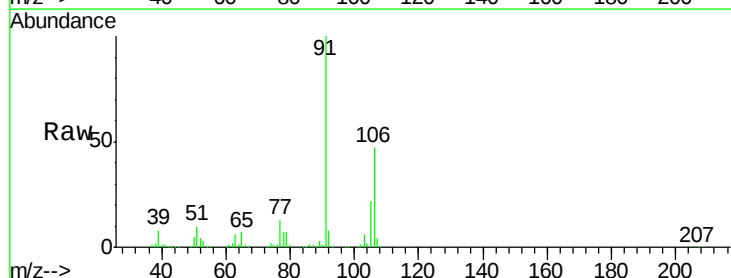
Manual Integrations
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#68
m/p-Xylenes
Concen: 100.123 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN062820.D
Acq: 10 Aug 2020 20:14

Tgt Ion: 106 Resp: 333319
Ion Ratio Lower Upper
106 100
91 216.3 175.9 263.9





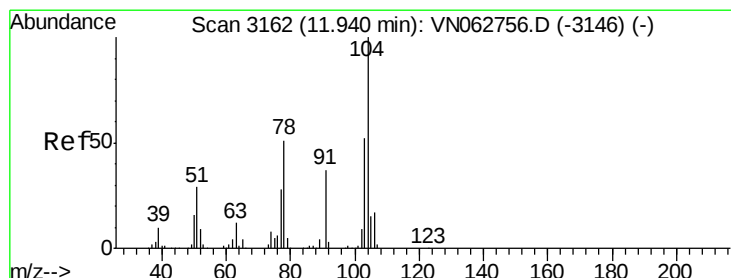
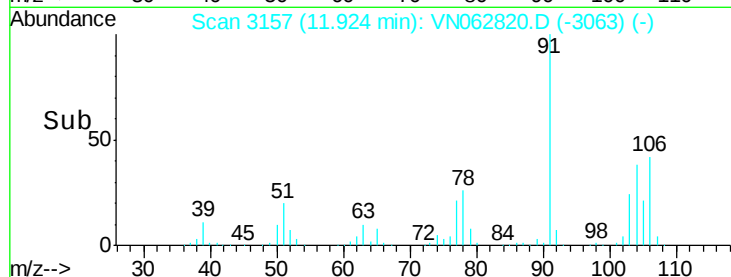
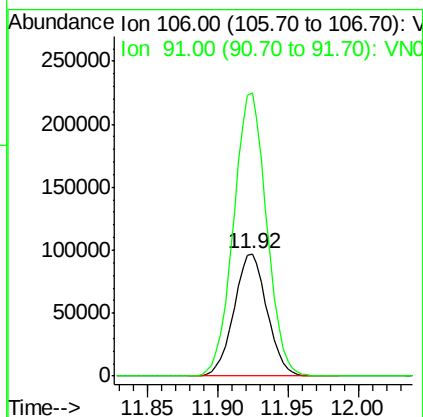
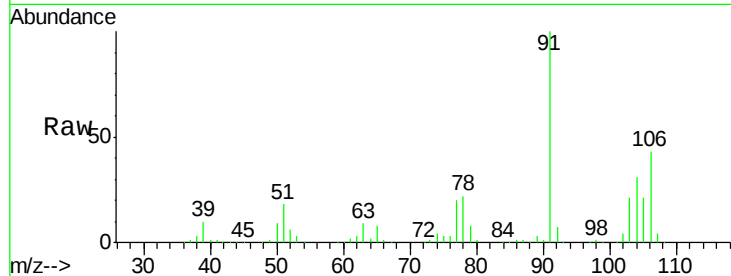
#69
o-Xylene
Concen: 51.338 ug/l
RT: 11.92 min Scan# 3157
Delta R.T. 0.00 min
Lab File: VN062820.D
Acq: 10 Aug 2020 20:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 160166
Ion Ratio Lower Upper
106 100
91 231.3 115.8 347.4

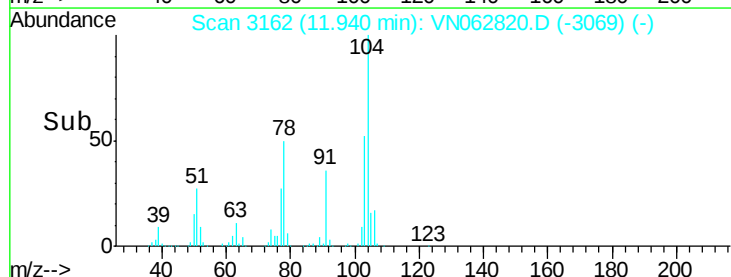
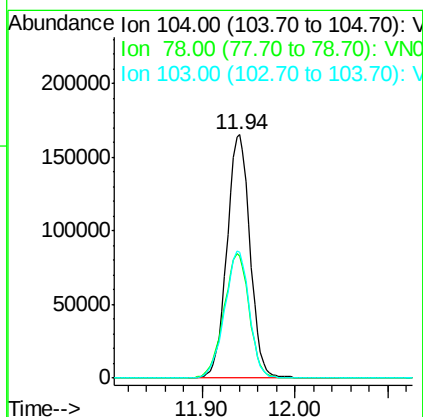
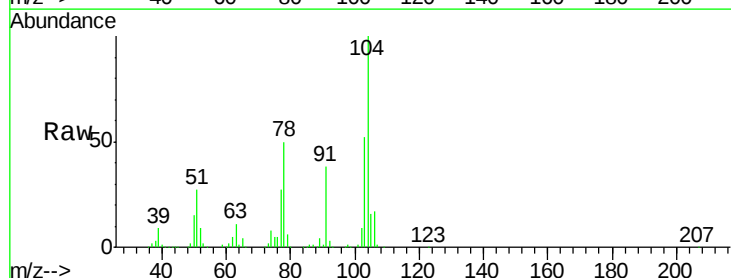
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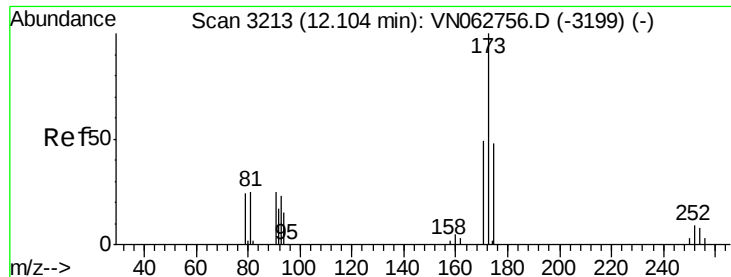
sam
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#70
Styrene
Concen: 52.149 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN062820.D
Acq: 10 Aug 2020 20:14

Tgt Ion:104 Resp: 285977
Ion Ratio Lower Upper
104 100
78 55.8 45.9 68.9
103 55.5 45.1 67.7





#71

Bromoform

Concen: 47.345 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN062820.D

Acq: 10 Aug 2020 20:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 79723

Ion Ratio Lower Upper

173 100

175 48.9 24.0 72.0

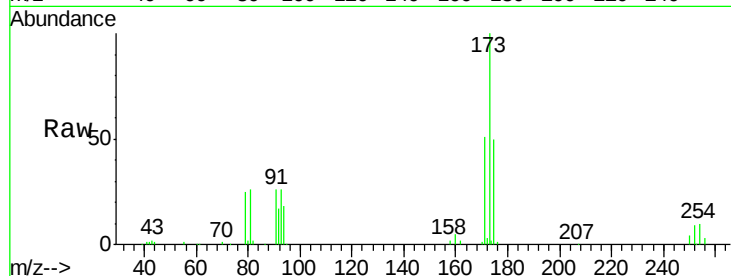
254 0.0 0.0 0.0

Manual Integrations

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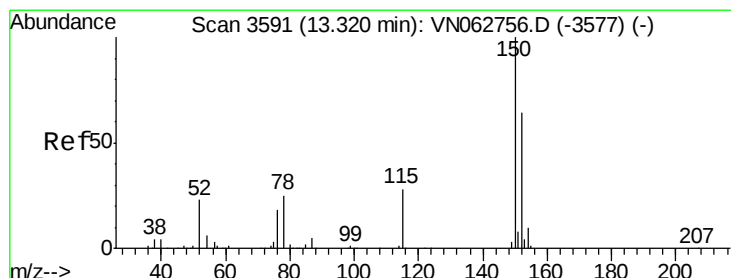
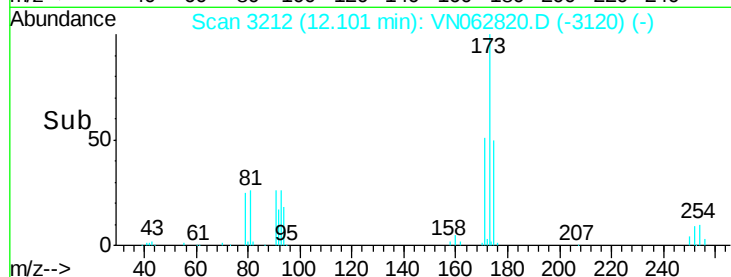
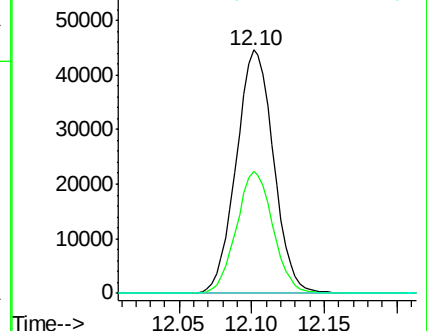
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VN062820.D

Acq: 10 Aug 2020 20:14

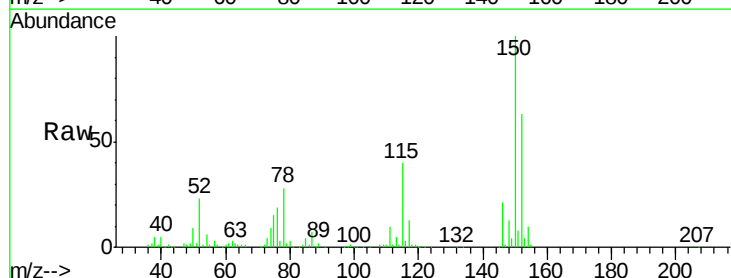
Tgt Ion:152 Resp: 117301

Ion Ratio Lower Upper

152 100

115 65.6 31.6 94.8

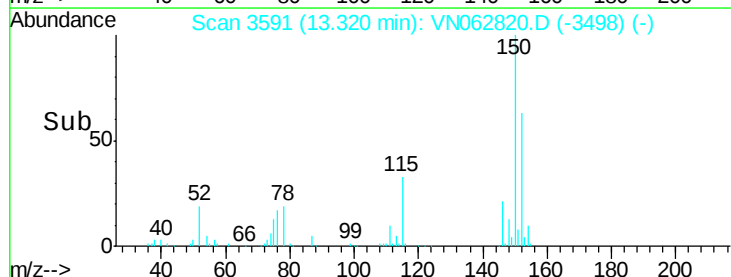
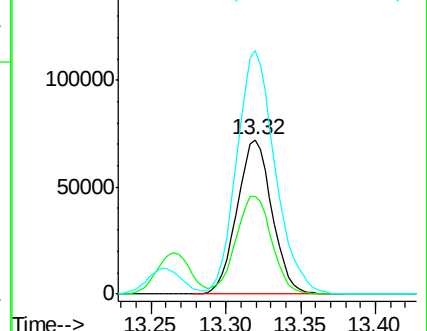
150 173.3 0.0 349.2

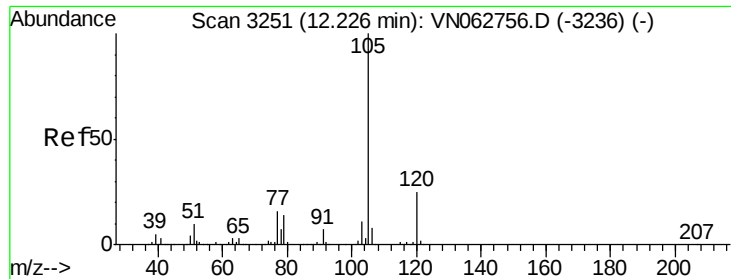


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





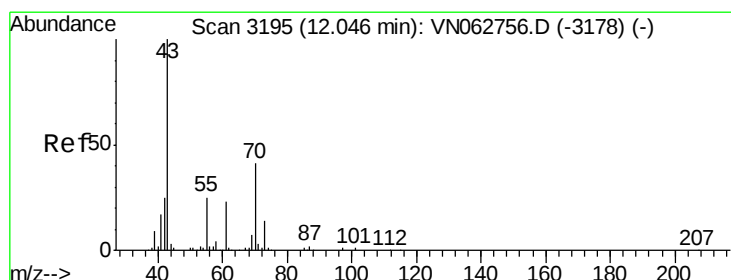
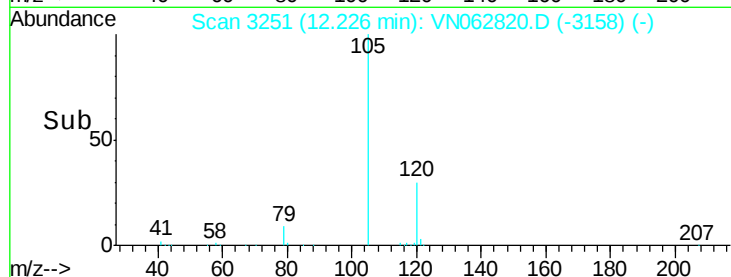
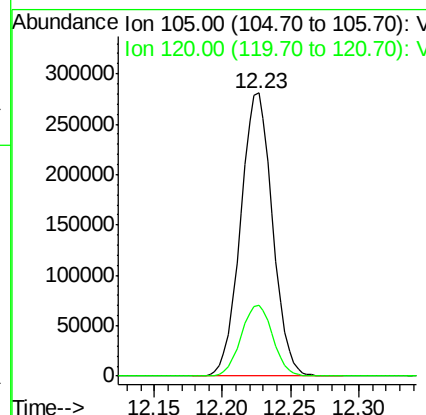
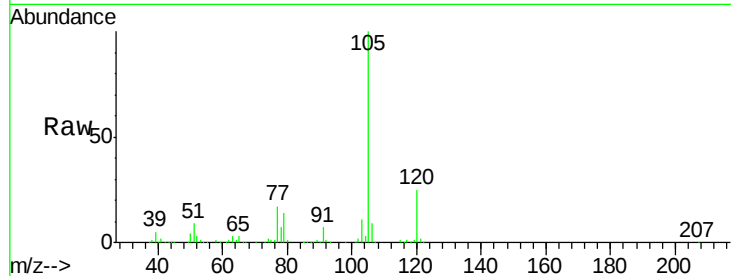
#73
Isopropylbenzene
Concen: 51.647 ug/l
RT: 12.23 min Scan# 3251
Delta R.T. 0.00 min
Lab File: VN062820.D
Acq: 10 Aug 2020 20:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.1	12.6	37.8

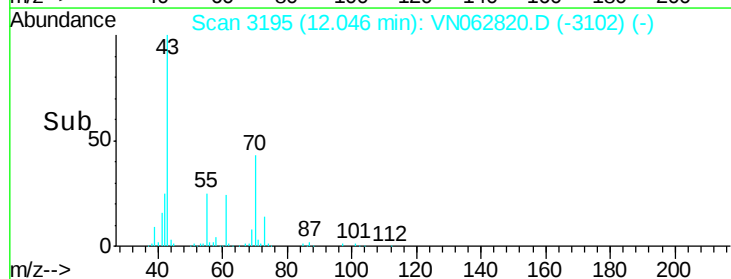
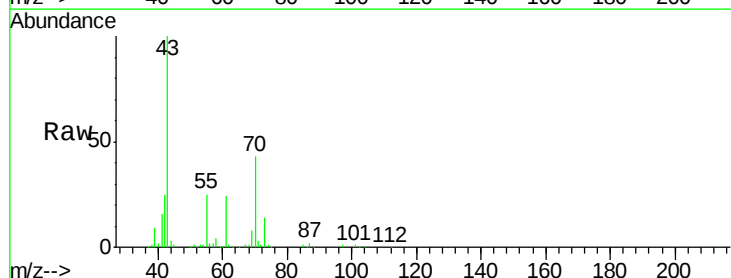
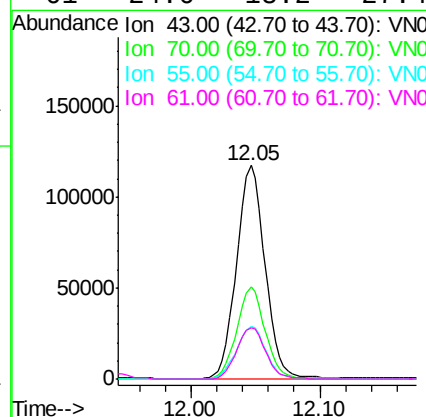
Manual Integrations
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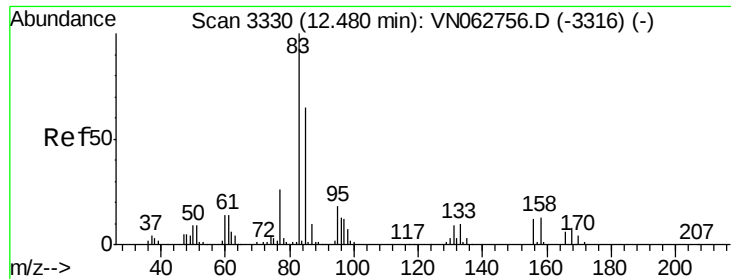
sam
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#74
N-ethyl acetate
Concen: 50.281 ug/l
RT: 12.05 min Scan# 3195
Delta R.T. 0.00 min
Lab File: VN062820.D
Acq: 10 Aug 2020 20:14

Tgt Ion	Ratio	Lower	Upper
43	100		
70	43.4	32.3	48.5
55	25.9	20.2	30.2
61	24.6	18.2	27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 47.152 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN062820.D

Acq: 10 Aug 2020 20:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 146612

Ion Ratio Lower Upper

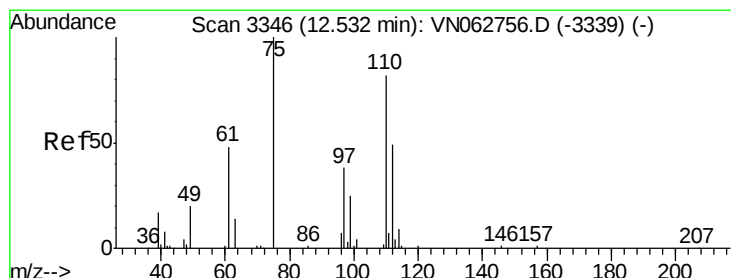
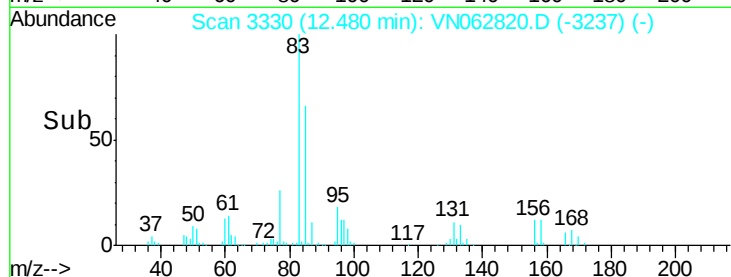
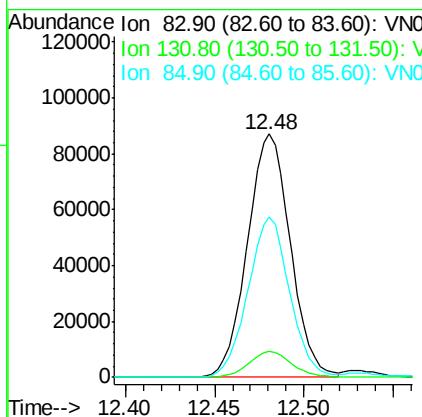
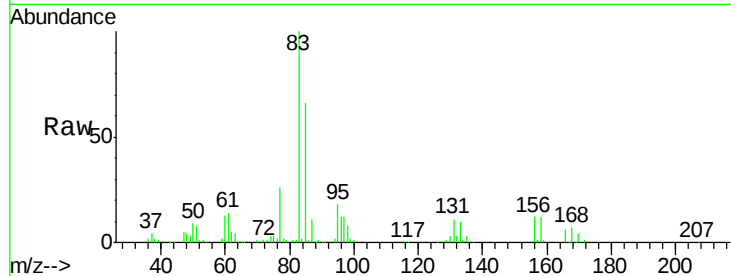
83 100

131 10.6 5.1 15.4

85 63.9 31.9 95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 42.780 ug/l m

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN062820.D

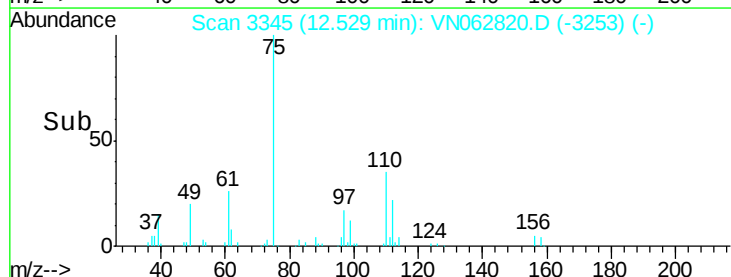
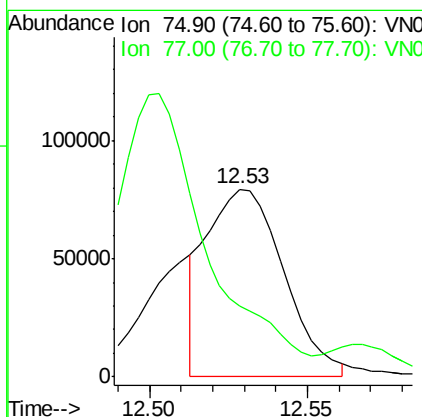
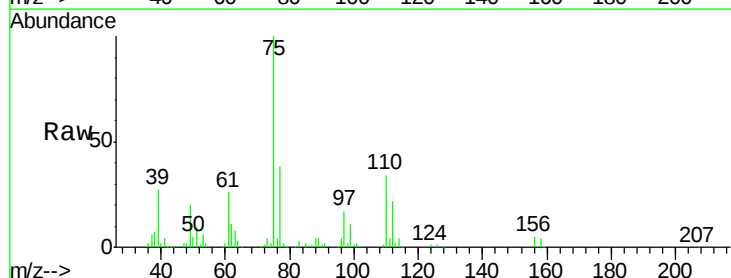
Acq: 10 Aug 2020 20:14

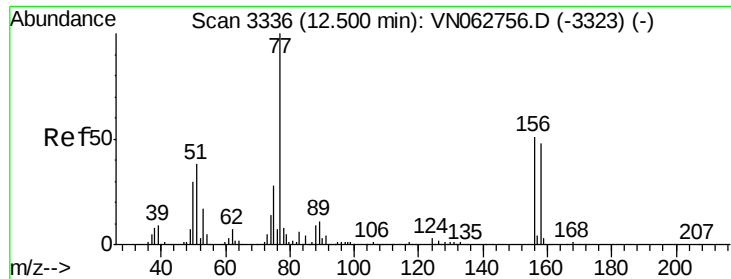
Tgt Ion: 75 Resp: 135333

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





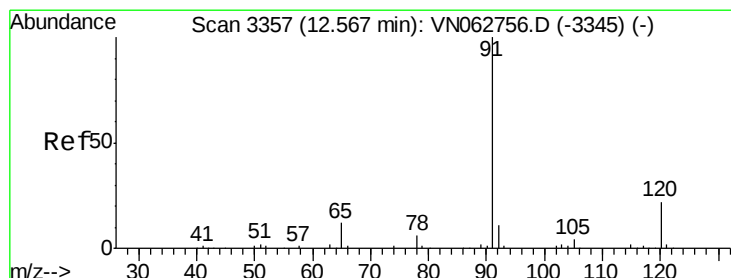
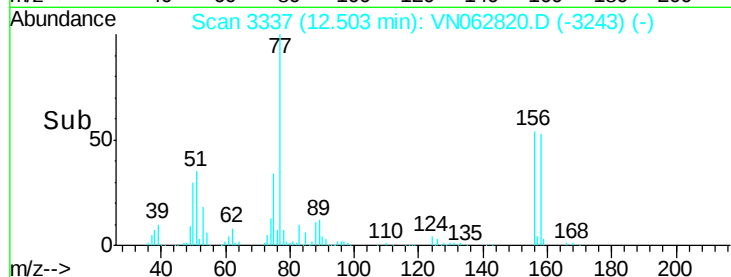
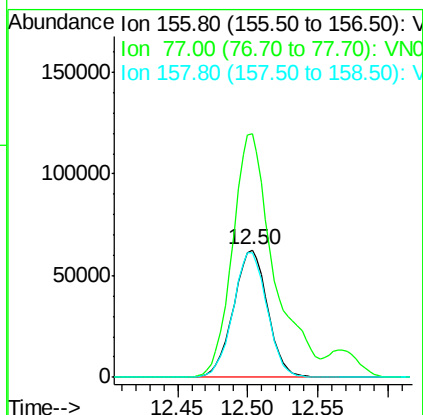
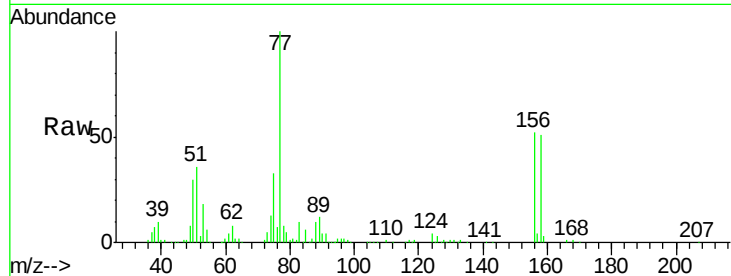
#77
Bromobenzene
Concen: 48.662 ug/l
RT: 12.50 min Scan# 3337
Delta R.T. 0.00 min
Lab File: VN062820.D
Acq: 10 Aug 2020 20:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	229.8	119.7	359.1
158	97.1	48.1	144.3

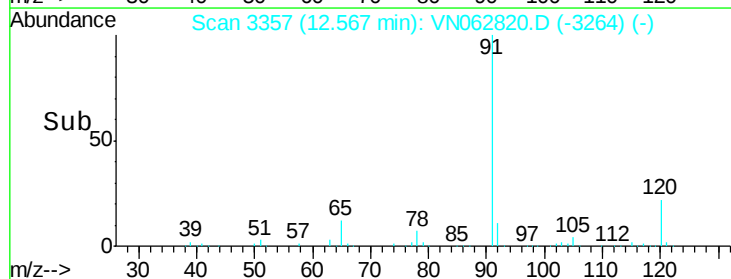
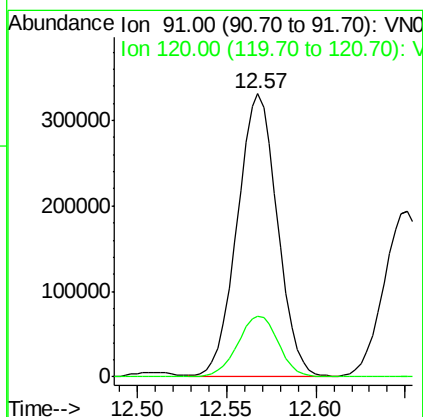
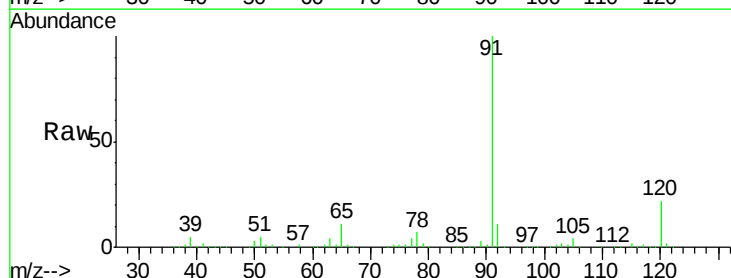
Manual Integrations
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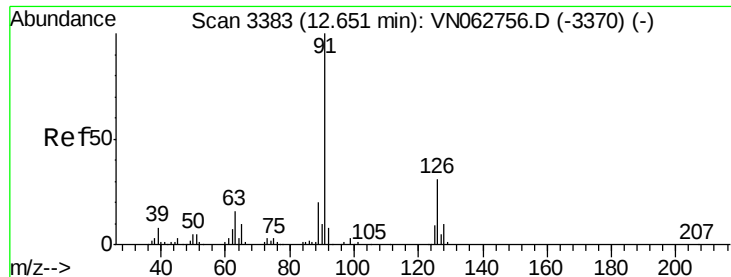
sam
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#78
n-propylbenzene
Concen: 49.731 ug/l
RT: 12.57 min Scan# 3357
Delta R.T. 0.00 min
Lab File: VN062820.D
Acq: 10 Aug 2020 20:14

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.0	10.9	32.9





#79

2-Chlorotoluene

Concen: 49.058 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. 0.00 min

Lab File: VN062820.D

Acq: 10 Aug 2020 20:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 318972

Ion Ratio Lower Upper

91 100

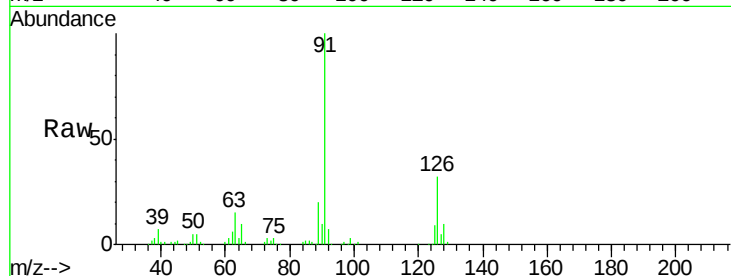
126 31.8 15.6 46.7

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN062820.D (-3290) (-)

Ion 125.90 (125.60 to 126.60): VN062820.D (-3290) (-)

250000

200000

150000

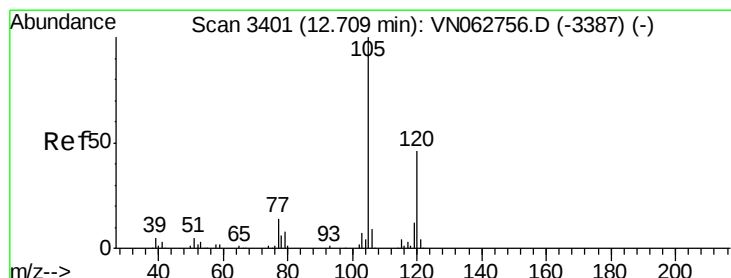
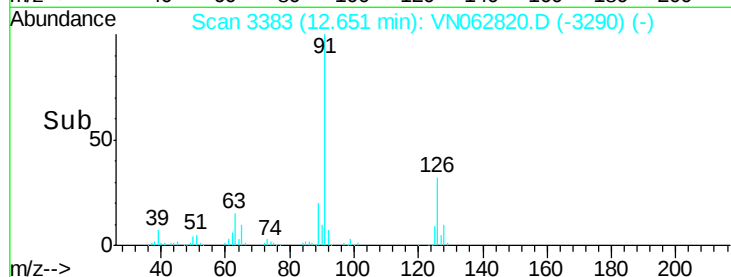
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 51.952 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN062820.D

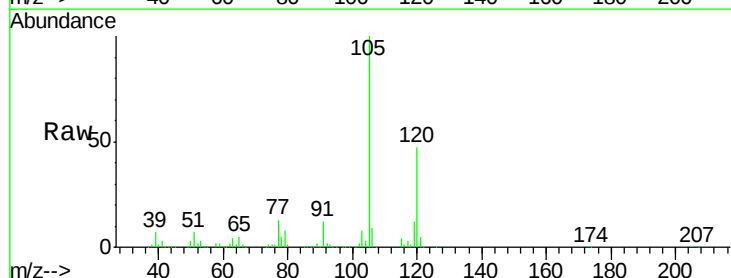
Acq: 10 Aug 2020 20:14

Tgt Ion: 105 Resp: 398095

Ion Ratio Lower Upper

105 100

120 46.3 22.9 68.5



Abundance Ion 105.00 (104.70 to 105.70): VN062820.D (-3308) (-)

Ion 120.00 (119.70 to 120.70): VN062820.D (-3308) (-)

250000

200000

150000

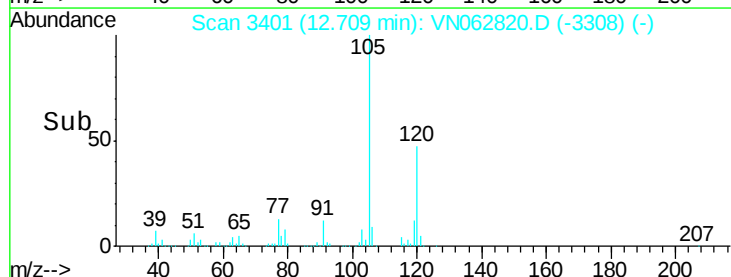
100000

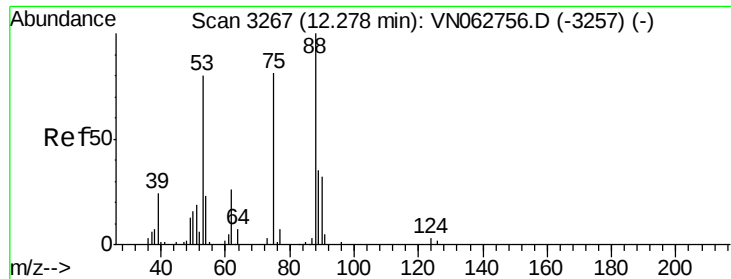
50000

0

12.60 12.70 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 47.525 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN062820.D

Acq: 10 Aug 2020 20:14

Instrument :

MSVOA_N

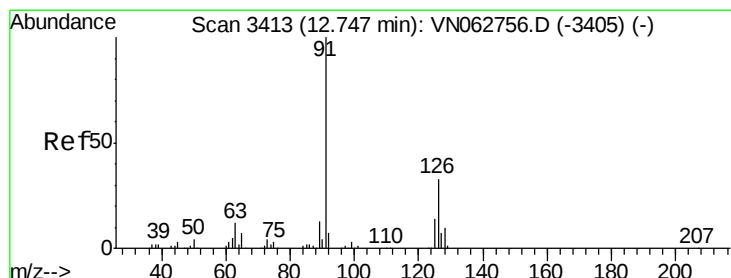
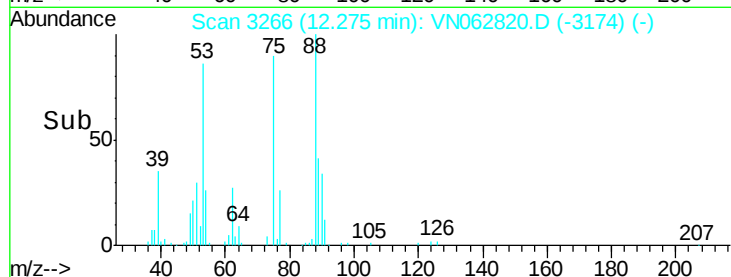
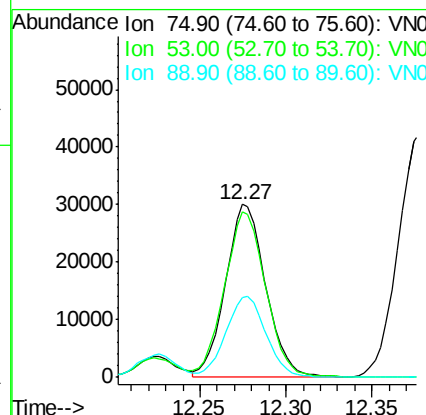
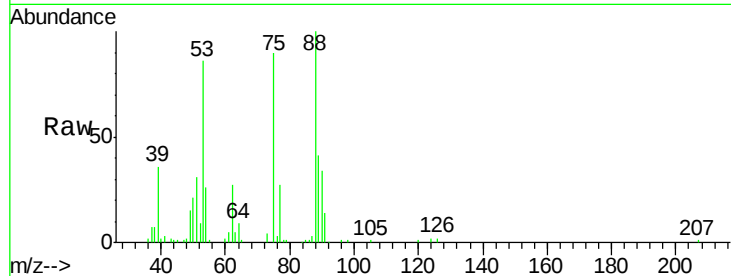
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	49249
Ion	Ratio	Lower	Upper
75	100		
53	98.5	79.1	118.7
89	46.5	36.2	54.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 49.373 ug/l

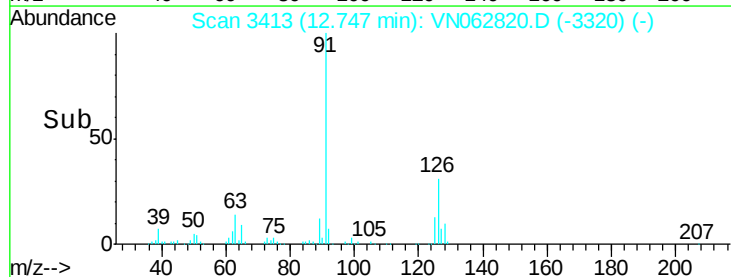
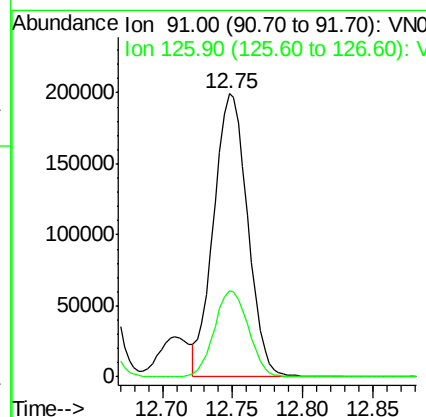
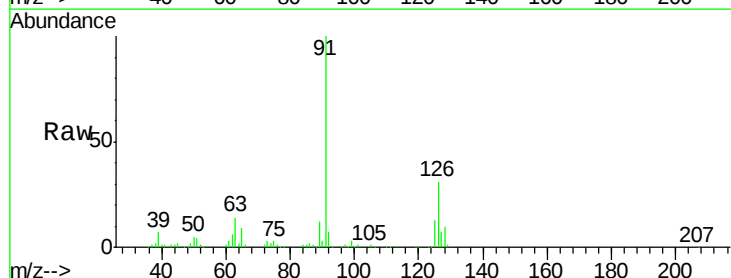
RT: 12.75 min Scan# 3413

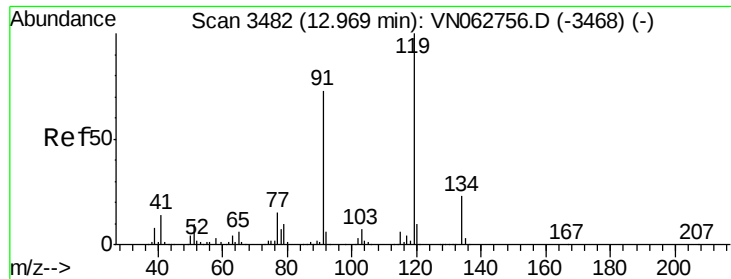
Delta R.T. 0.00 min

Lab File: VN062820.D

Acq: 10 Aug 2020 20:14

Tgt Ion:	91	Resp:	330815
Ion	Ratio	Lower	Upper
91	100		
126	30.6	15.3	45.9





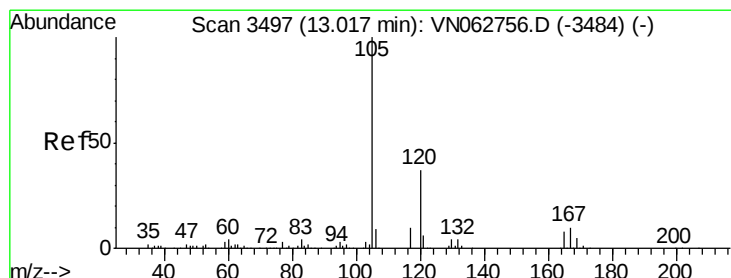
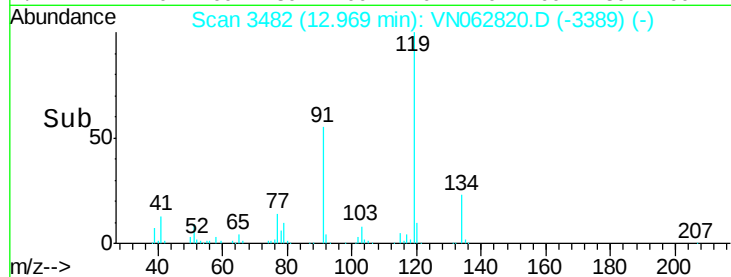
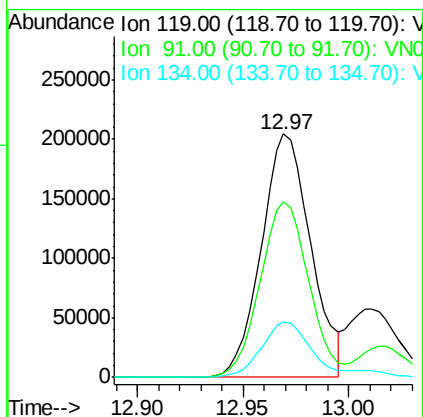
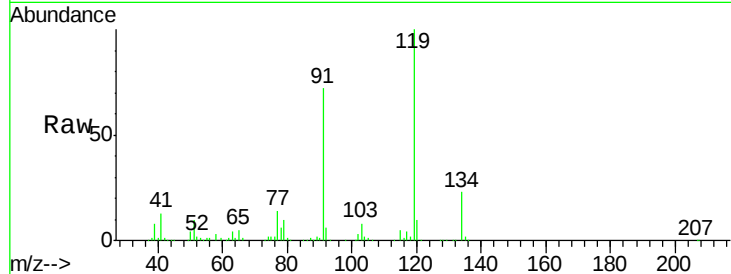
#83
 tert-Butylbenzene
 Concen: 51.563 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. 0.00 min
 Lab File: VN062820.D
 Acq: 10 Aug 2020 20:14

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	71.0	36.5	109.5
134	22.5	11.3	33.8

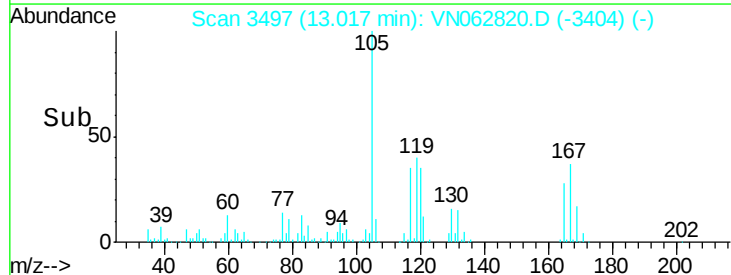
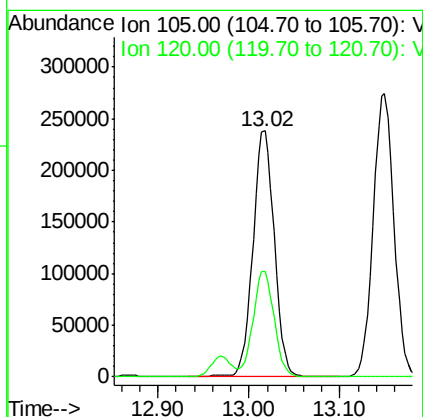
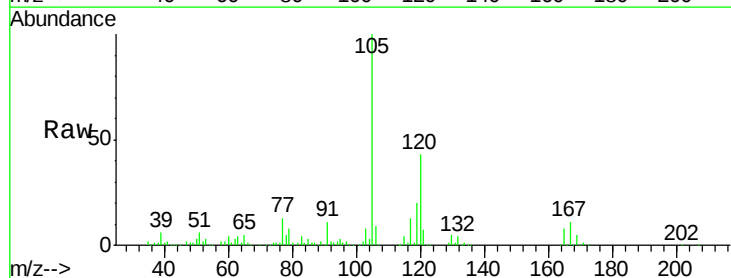
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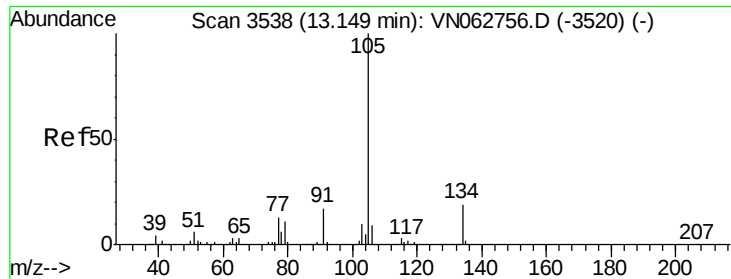
sam
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#84
 1,2,4-Trimethylbenzene
 Concen: 53.088 ug/l
 RT: 13.02 min Scan# 3497
 Delta R.T. 0.00 min
 Lab File: VN062820.D
 Acq: 10 Aug 2020 20:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.2	21.4	64.2





#85

sec-Butylbenzene

Concen: 51.014 ug/l

RT: 13.15 min Scan# 3538

Delta R.T. 0.00 min

Lab File: VN062820.D

Acq: 10 Aug 2020 20:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 434370

Ion Ratio Lower Upper

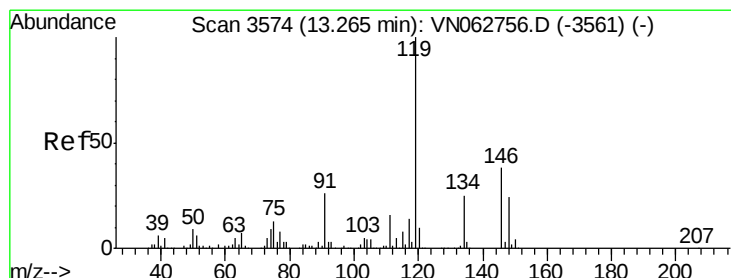
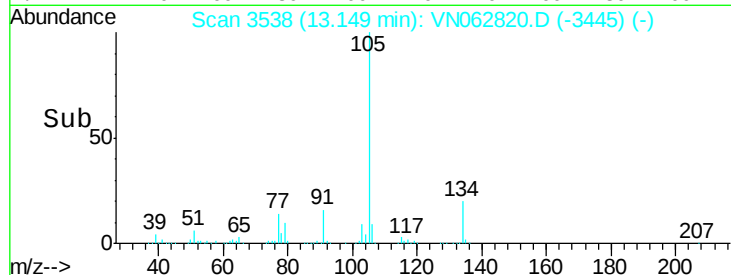
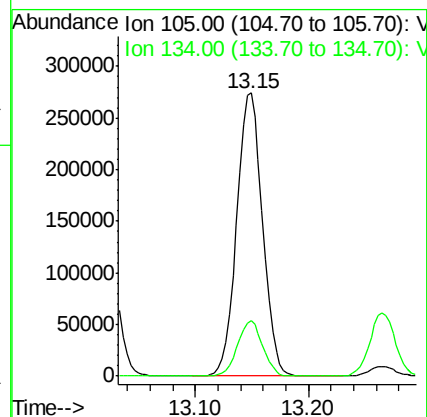
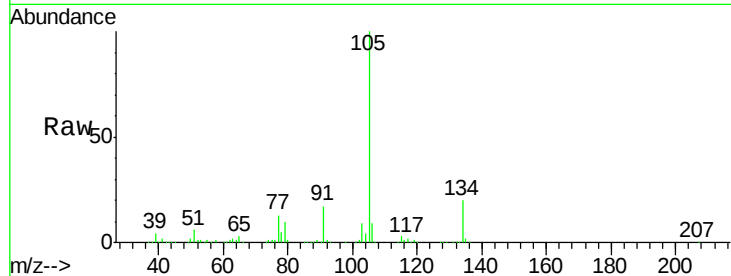
105 100

134 19.1 9.6 28.6

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 51.087 ug/l

RT: 13.27 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN062820.D

Acq: 10 Aug 2020 20:14

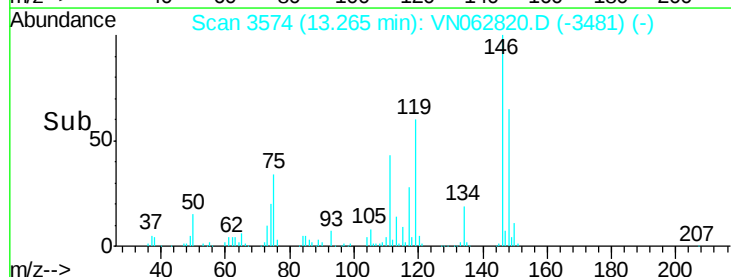
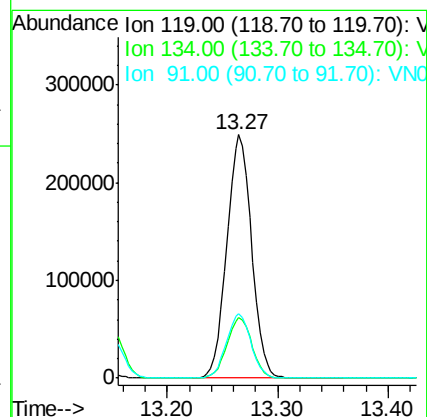
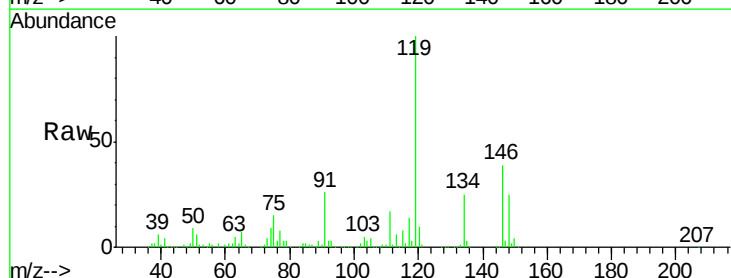
Tgt Ion:119 Resp: 386119

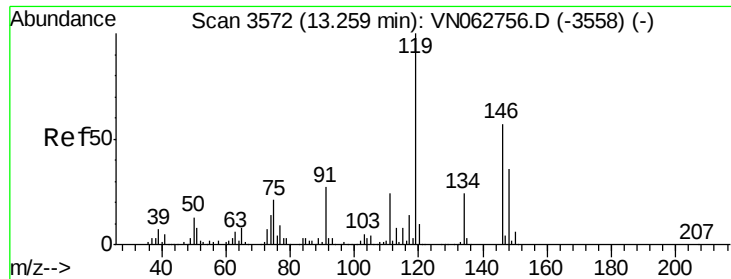
Ion Ratio Lower Upper

119 100

134 24.9 12.6 37.8

91 26.2 13.4 40.2





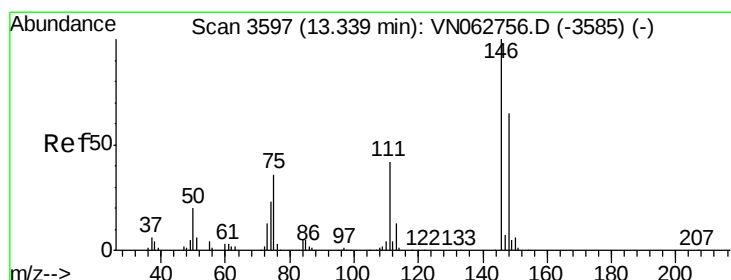
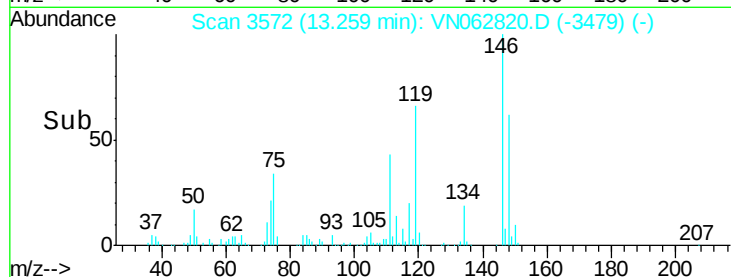
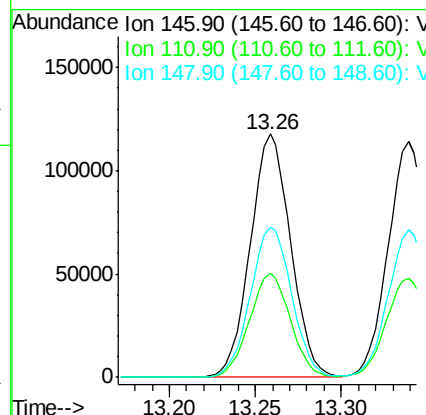
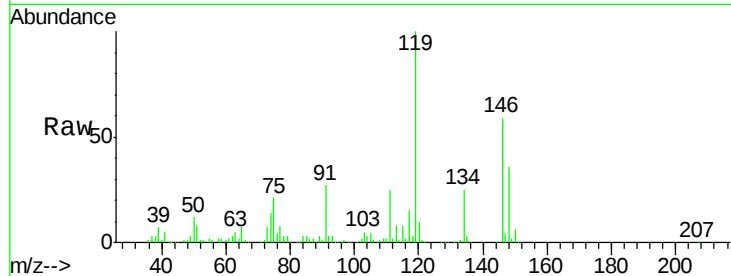
#87
 1,3-Dichlorobenzene
 Concen: 48.806 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN062820.D
 Acq: 10 Aug 2020 20:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	191353		
111	43.3	21.7	65.1	
148	63.2	31.4	94.2	

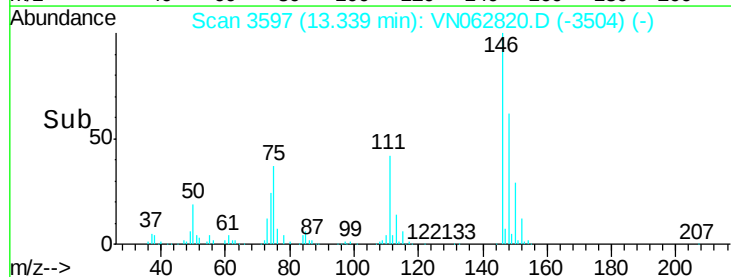
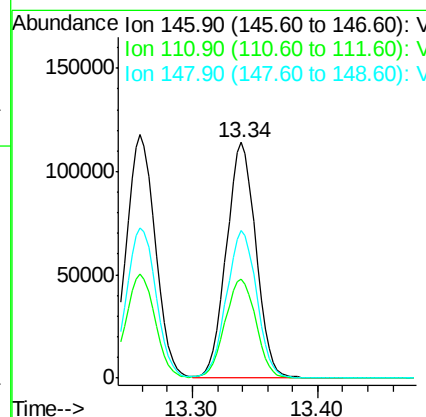
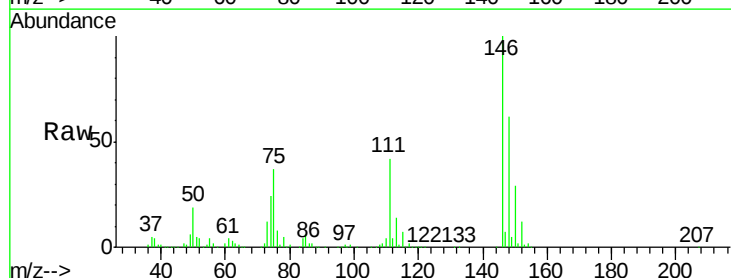
Manual Integrations
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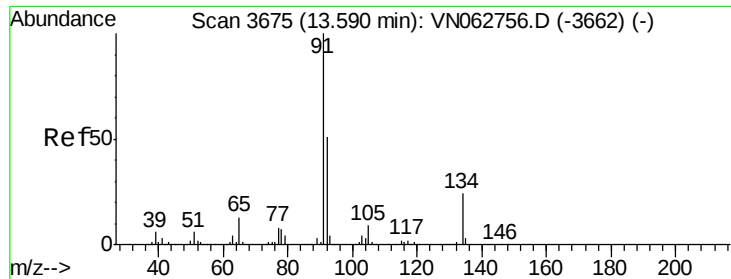
sam
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#88
 1,4-Dichlorobenzene
 Concen: 47.312 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN062820.D
 Acq: 10 Aug 2020 20:14

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	186047		
111	43.6	21.6	64.6	
148	64.4	32.6	97.8	





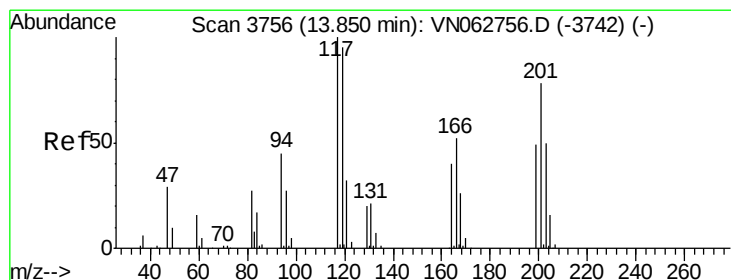
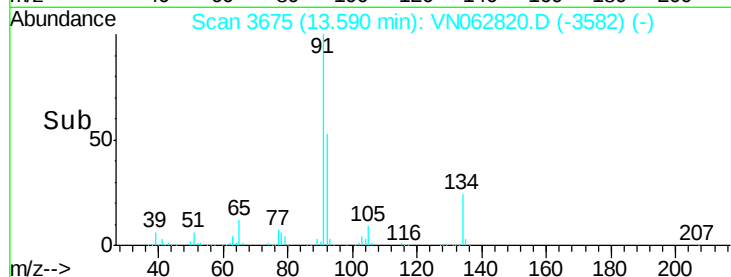
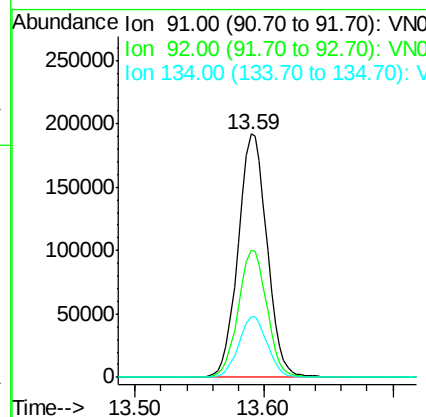
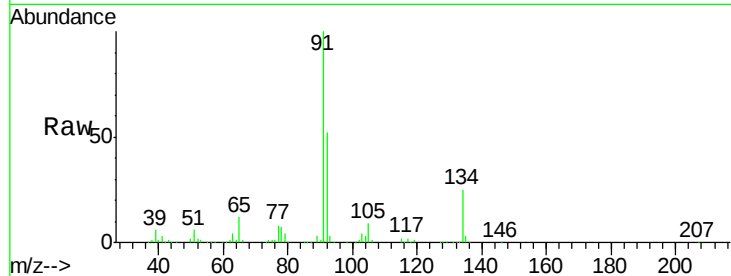
#89
n-Butylbenzene
Concen: 46.792 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN062820.D
Acq: 10 Aug 2020 20:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	25.7	77.0
134	24.7	12.2	36.6

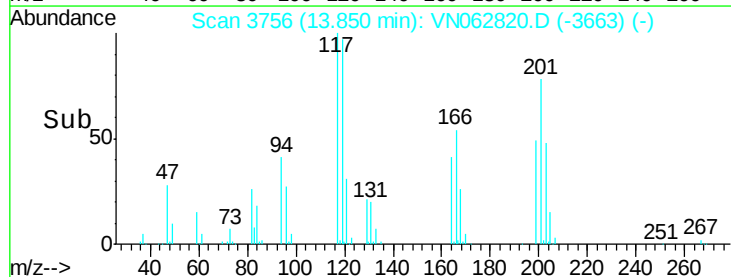
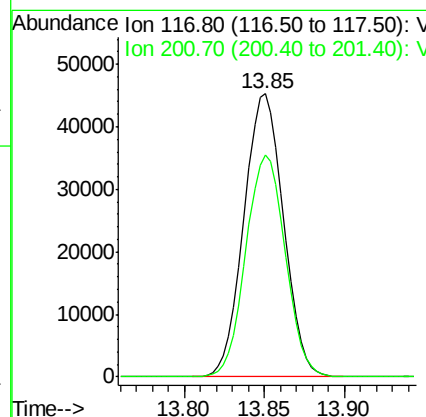
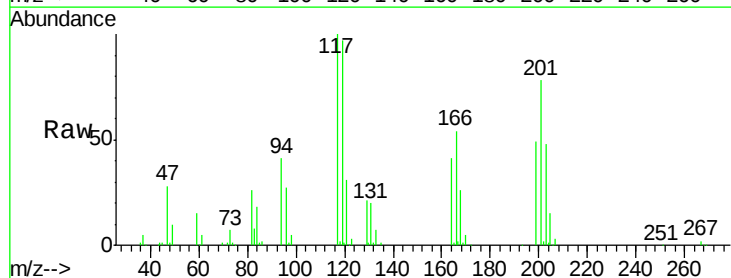
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#90
Hexachloroethane
Concen: 47.058 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. 0.00 min
Lab File: VN062820.D
Acq: 10 Aug 2020 20:14

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.9	39.2	117.6





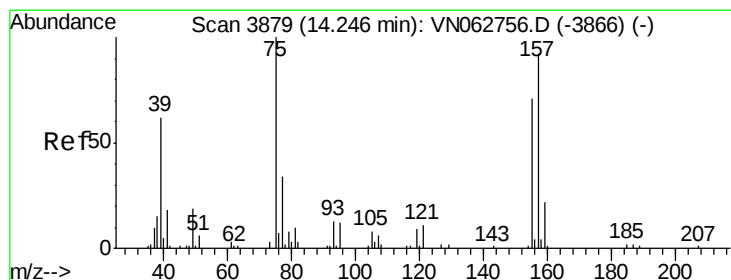
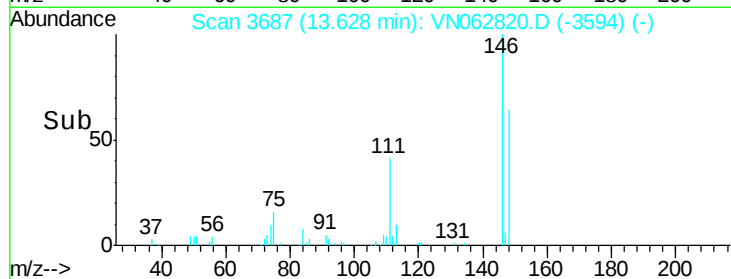
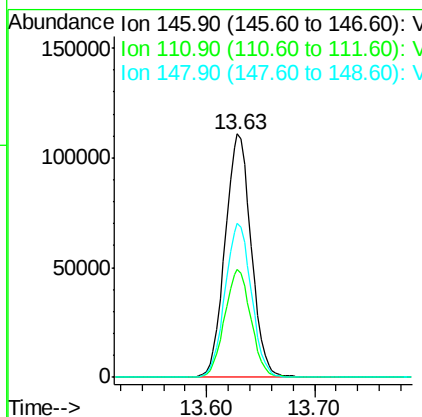
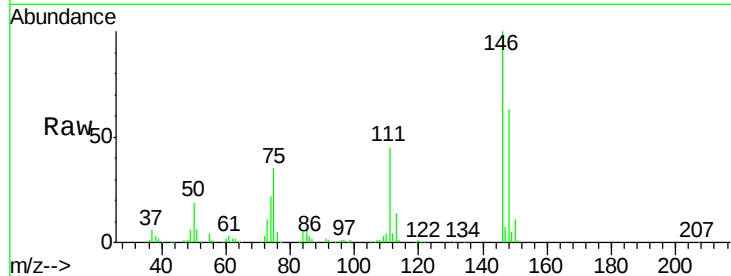
#91
 1,2-Dichlorobenzene
 Concen: 50.834 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN062820.D
 Acq: 10 Aug 2020 20:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.4	22.8	68.4
148	63.8	31.9	95.5

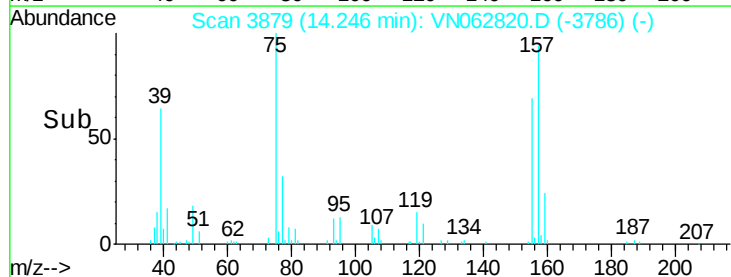
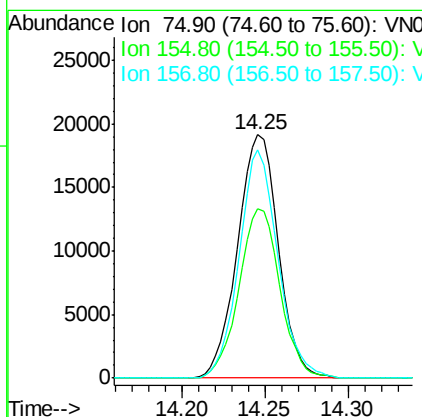
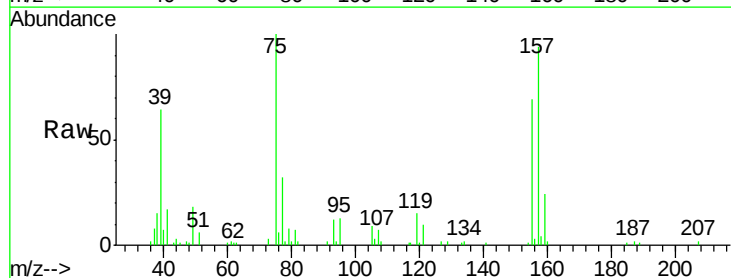
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.090 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN062820.D
 Acq: 10 Aug 2020 20:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	70.0	35.0	105.1
157	89.4	43.2	129.6





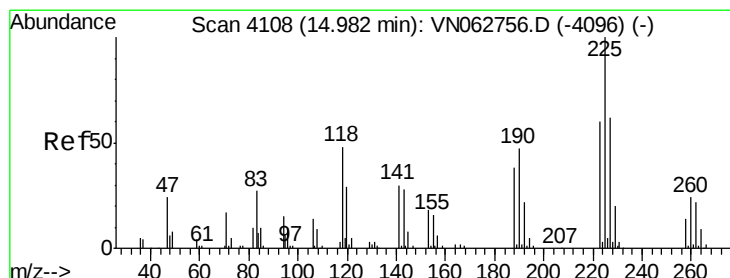
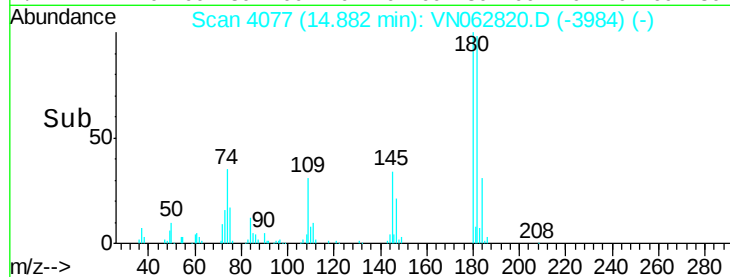
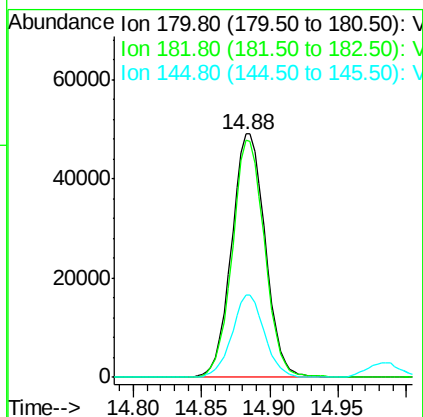
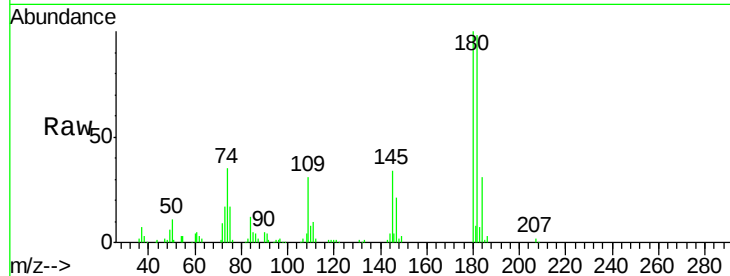
#93
 1,2,4-Trichlorobenzene
 Concen: 42.970 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN062820.D
 Acq: 10 Aug 2020 20:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	93.7	49.1	147.4	
145	32.7	16.3	48.8	

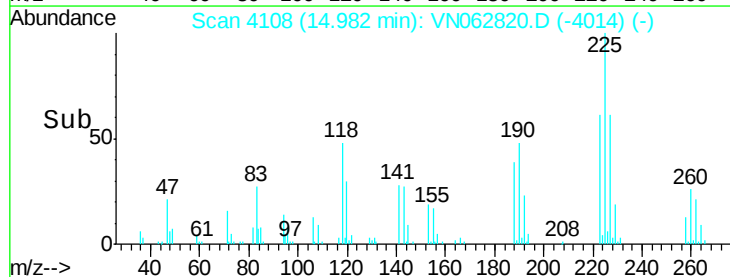
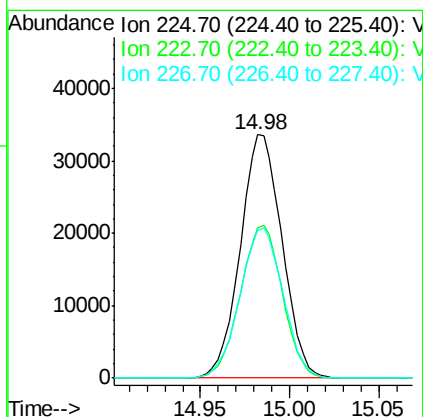
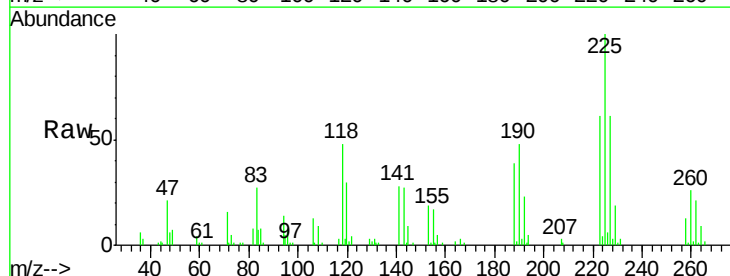
Manual Integrations
 APPROVED

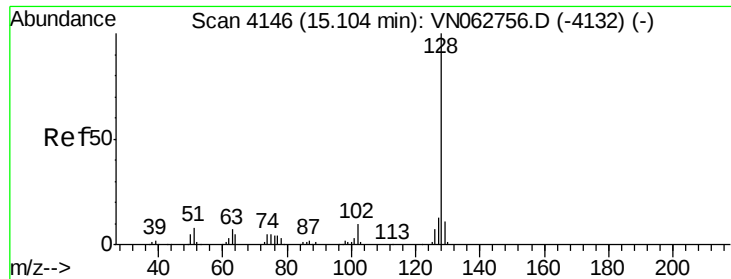
sam
 8/11/2020 3:25:11 PM



#94
 Hexachlorobutadiene
 Concen: 47.481 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. 0.00 min
 Lab File: VN062820.D
 Acq: 10 Aug 2020 20:14

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.3	30.6	92.0	
227	63.4	31.6	95.0	





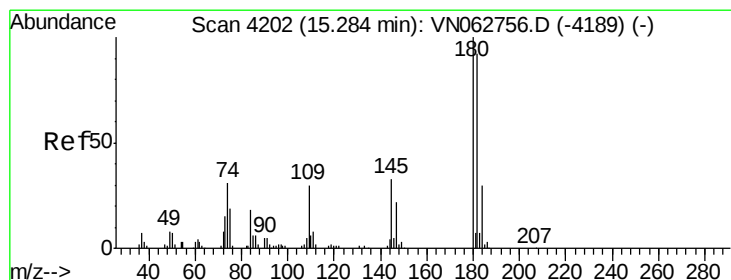
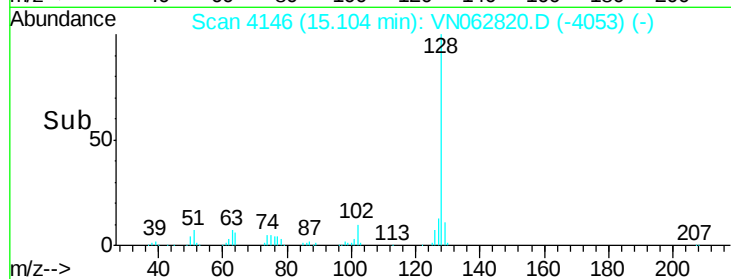
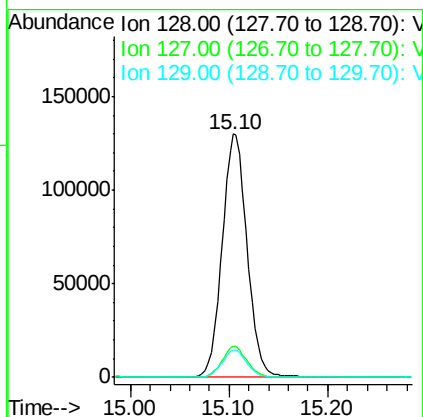
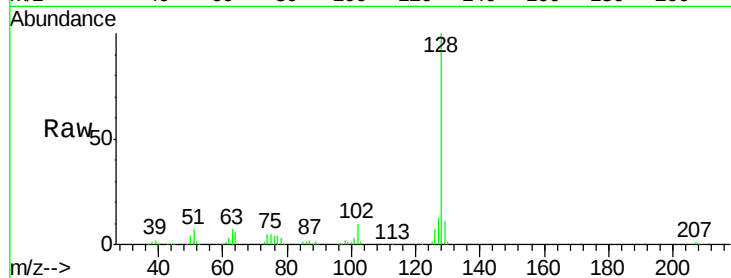
#95
Naphthalene
Concen: 43.254 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. 0.00 min
Lab File: VN062820.D
Acq: 10 Aug 2020 20:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.8	16.2
129	11.1	8.8	13.2

Manual Integrations
APPROVED

sam
8/11/2020 3:25:11 PM



#96
1,2,3-Trichlorobenzene
Concen: 44.488 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. 0.00 min
Lab File: VN062820.D
Acq: 10 Aug 2020 20:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.9	143.6
145	34.6	17.3	51.7

