

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082120\
 Data File : VN063085.D
 Acq On : 21 Aug 2020 17:03
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

sam
 8/24/2020 5:52:39 PM

Quant Time: Aug 22 01:17:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Aug 20 14:01:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	27748	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	148293	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	138480	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	61413	31.24	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	104.13%
60) 4-Bromofluorobenzene	12.38	95	64688	29.56	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.53%
63) Toluene-d8	10.06	98	192728	30.33	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.10%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	39273	19.796	ug/l 97
3) Chloromethane	2.04	50	42668	19.436	ug/l 99
4) Vinyl Chloride	2.16	62	42427	19.198	ug/l 99
5) Bromomethane	2.49	94	17273	12.680	ug/l 98
6) Chloroethane	2.59	64	17637	13.503	ug/l 99
7) Trichlorofluoromethane	2.93	101	50940	19.114	ug/l 97
8) Diethyl Ether	3.37	74	17570	19.822	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.69	101	25094	17.414	ug/l 100
10) 1,1-Dichloroethene	3.67	96	23602	18.227	ug/l 96
11) Methyl Iodide	3.89	142	28361	15.964	ug/l 99
12) Methyl Acetate	4.28	43	38262	22.168	ug/l 98
13) Acrolein	3.56	56	17264	97.595	ug/l 97
14) Acrylonitrile	4.93	53	74817	98.996	ug/l 99
15) Acetone	3.79	58	16376	74.869	ug/l 88
16) Carbon Disulfide	3.98	76	59066	16.992	ug/l 97
17) Allyl chloride	4.26	41	41977	17.667	ug/l 94
18) Methylene Chloride	4.49	84	32442	17.907	ug/l 97
19) trans-1,2-Dichloroethene	4.98	96	25389	17.831	ug/l 96
20) Diisopropyl ether	5.90	45	107686	19.351	ug/l 95
21) 1,1-Dichloroethane	5.79	63	56979	18.656	ug/l 99
22) cis-1,2-Dichloroethene	6.78	96	32064	18.171	ug/l 97
23) tert-Butyl Alcohol	4.79	59	14238m	57.505	ug/l
24) Methyl tert-Butyl Ether	4.99	73	90012	18.949	ug/l 99
25) Chloroform	7.33	83	57165	18.795	ug/l 99
26) Cyclohexane	7.61	56	44917	17.084	ug/l # 100
29) 1,1-Dichloropropene	7.75	75	36681	17.033	ug/l 99
30) 2-Butanone	6.79	43	84131	83.815	ug/l 100
31) 2,2-Dichloropropane	6.77	77	40788	15.582	ug/l 99
32) 1,1,1-Trichloroethane	7.52	97	45812	17.662	ug/l 99
33) Carbon Tetrachloride	7.73	117	38073	17.237	ug/l 95
34) Benzene	8.00	78	123338	17.872	ug/l 98
35) Methacrylonitrile	7.12	41	16014	16.786	ug/l 92
36) 1,2-Dichloroethane	8.08	62	43772	18.591	ug/l 99
37) Trichloroethene	8.80	130	29554	17.486	ug/l 99
38) Methylcyclohexane	9.05	83	38560	14.275	ug/l 98
39) 1,2-Dichloropropane	9.08	63	37134	18.488	ug/l 98
40) Dibromomethane	9.17	93	21929	18.804	ug/l 97

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	46463	17.979	ug/l	96
42) Vinyl Acetate	5.84	43	330660	86.959	ug/l	99
43) Ethyl Acetate	6.89	43	36860	19.239	ug/l	100
44) Isopropyl Acetate	8.13	43	60903	18.936	ug/l	95
45) 1,4-Dioxane	9.18	88	5046	167.512	ug/l #	92
46) Methyl methacrylate	9.17	41	28722	18.138	ug/l	99
47) n-amyl Acetate	12.05	43	53139	18.615	ug/l	97
48) t-1,3-Dichloropropene	10.36	75	48096	17.622	ug/l	98
49) cis-1,3-Dichloropropene	9.81	75	52035	17.515	ug/l	95
50) 1,1,2-Trichloroethane	10.54	97	33736	18.762	ug/l	98
51) Ethyl methacrylate	10.40	69	43022	17.586	ug/l	99
52) 1,3-Dichloropropane	10.68	76	55254	18.600	ug/l	100
53) Dibromochloromethane	10.87	129	34999	17.738	ug/l	98
54) 1,2-Dibromoethane	10.98	107	31599	18.319	ug/l	99
55) 2-Chloroethyl vinyl ether	9.66	63	58596	116.611	ug/l	100
56) Bromoform	12.10	173	25306	17.514	ug/l	96
58) 4-Methyl-2-Pentanone	9.96	43	196467	98.623	ug/l	100
59) 2-Hexanone	10.73	43	131771	92.727	ug/l	99
61) Tetrachloroethene	10.60	164	26052	17.161	ug/l	98
62) Toluene	10.12	91	132975	18.118	ug/l	99
64) Chlorobenzene	11.41	112	82015	18.060	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.48	131	32833	18.241	ug/l	99
66) Ethyl Benzene	11.49	91	136643	17.080	ug/l	100
67) m/p-Xylenes	11.60	106	105338	35.147	ug/l	97
68) o-Xylene	11.92	106	49473	17.184	ug/l	99
69) Styrene	11.94	104	87001	17.299	ug/l	99
70) Isopropylbenzene	12.23	105	130543	16.668	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.48	83	48008	19.115	ug/l	99
72) 1,2,3-Trichloropropane	12.53	75	40959m	18.379	ug/l	
73) Bromobenzene	12.50	156	36712	17.382	ug/l	96
74) n-propylbenzene	12.57	91	148723	15.831	ug/l	100
75) 2-Chlorotoluene	12.65	91	95298	17.020	ug/l	98
76) 1,3,5-Trimethylbenzene	12.71	105	105546	15.792	ug/l	99
77) t-1,4-Dichloro-2-butene	12.28	75	14304	18.161	ug/l	97
78) 4-Chlorotoluene	12.75	91	96960	16.796	ug/l	99
79) tert-butylbenzene	12.97	119	88022	15.652	ug/l	99
80) 1,2,4-Trimethylbenzene	13.02	105	97300	14.956	ug/l	99
81) sec-Butylbenzene	13.15	105	114657	14.801	ug/l	100
82) p-Isopropyltoluene	13.26	119	94969	13.828	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	62706	17.005	ug/l	100
84) 1,4-Dichlorobenzene	13.34	146	60645	16.827	ug/l	98
85) n-Butylbenzene	13.59	91	74216	13.004	ug/l	99
86) Hexachloroethane	13.85	117	21384	15.809	ug/l	98
87) 1,2-Dichlorobenzene	13.63	146	61947	17.540	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.25	75	7834	19.665	ug/l	96
89) 1,2,4-Trichlorobenzene	14.89	180	27905	16.011	ug/l	100
90) Hexachlorobutadiene	14.99	225	18097	14.028	ug/l	99
91) Naphthalene	15.11	128	63944	16.603	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	27883	16.024	ug/l	100

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ClientSampleId :
VSTDCCC020EC

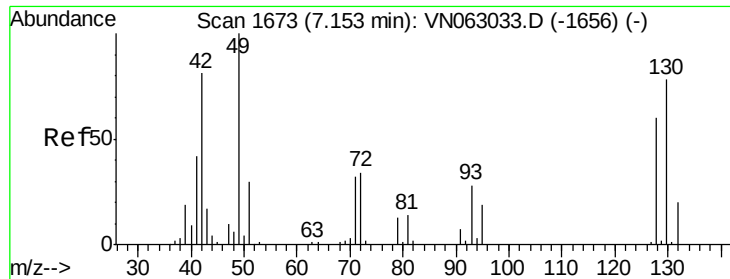
Manual Integrations
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8/24/2020 5:52:39 PM

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



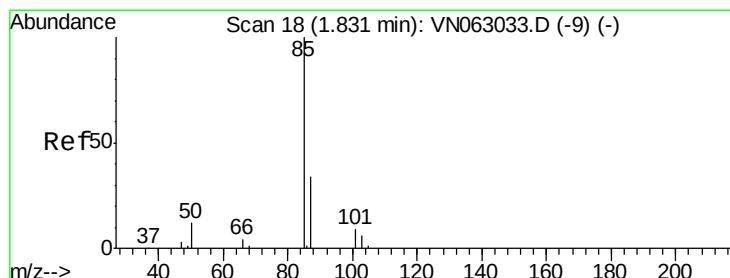
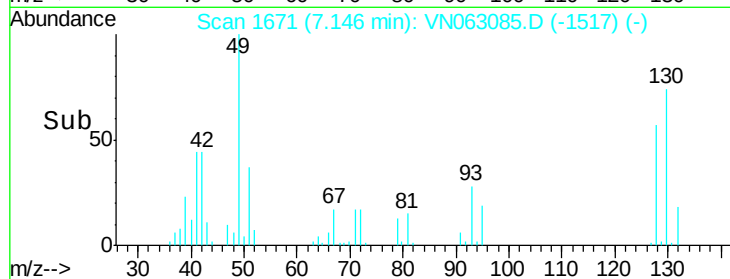
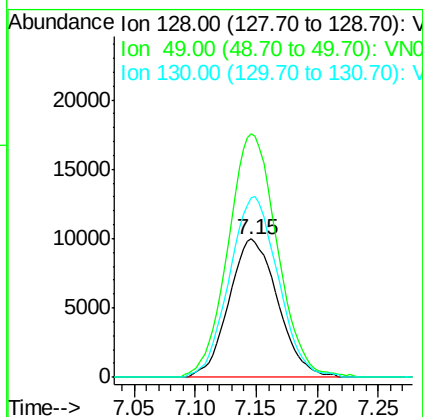
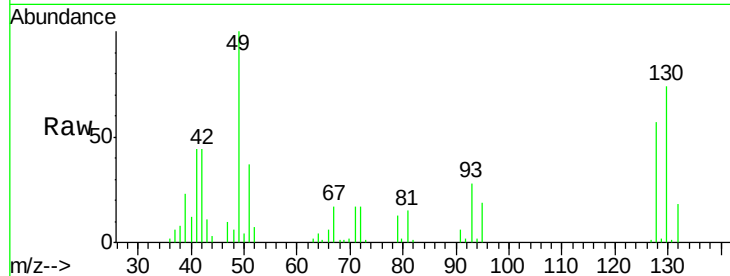
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.15 min Scan# 1671
Delta R.T. -0.01 min
Lab File: VN063085.D
Acq: 21 Aug 2020 17:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
128	100		
49	176.8	0.0	437.5
130	130.1	0.0	327.3

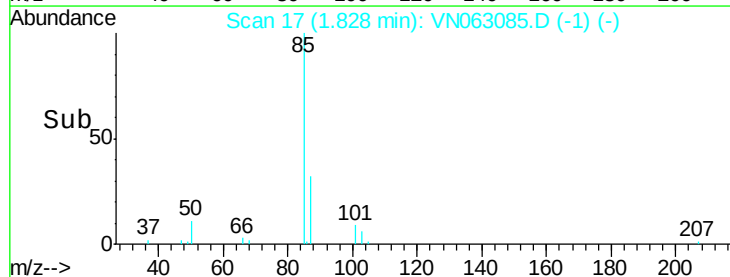
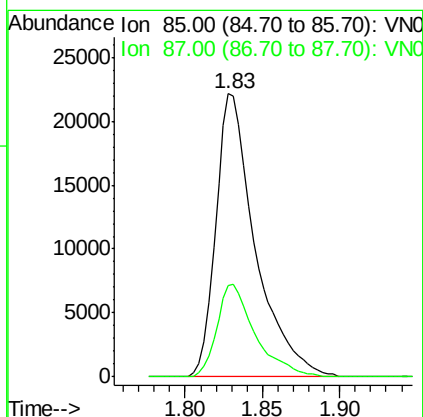
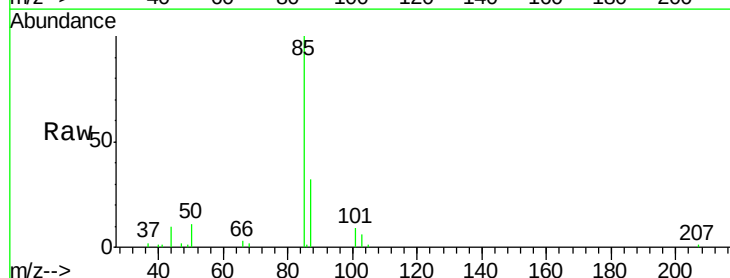
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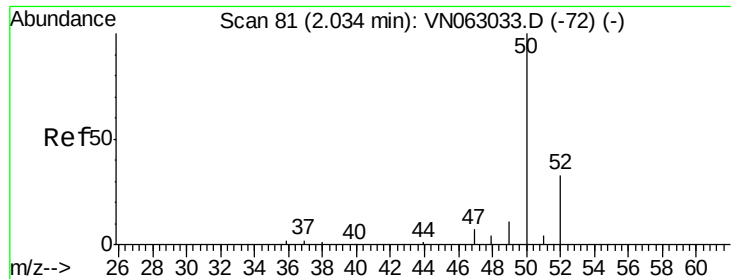
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#2
Dichlorodifluoromethane
Concen: 19.796 ug/l
RT: 1.83 min Scan# 17
Delta R.T. -0.00 min
Lab File: VN063085.D
Acq: 21 Aug 2020 17:03

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.2	16.9	50.6





#3

Chloromethane

Concen: 19.436 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN063085.D

Acq: 21 Aug 2020 17:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 50 Resp: 42668

Ion Ratio Lower Upper

50 100

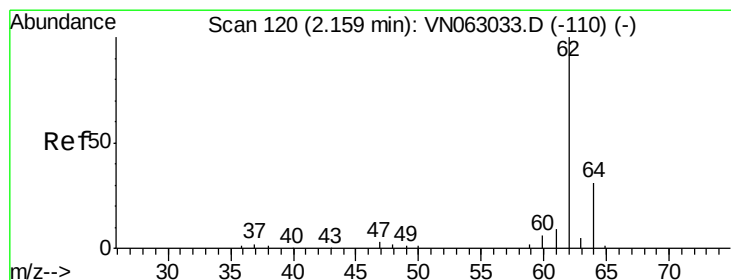
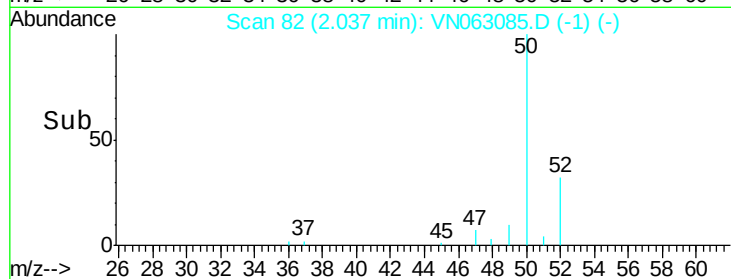
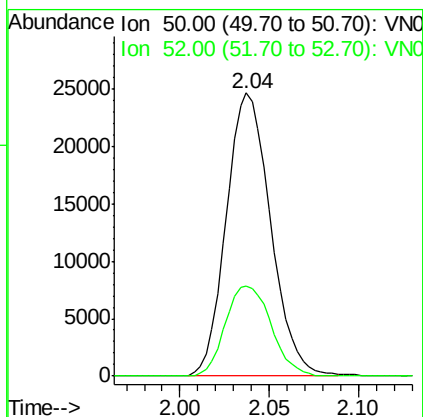
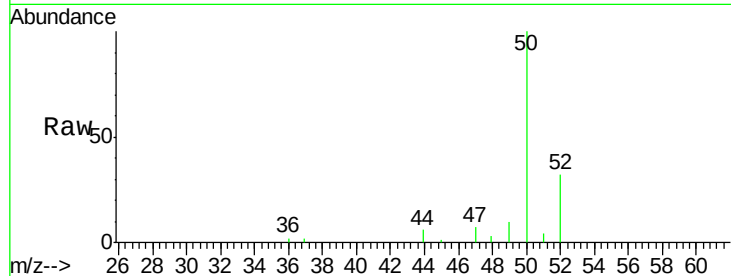
52 32.0 26.0 39.0

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#4

Vinyl Chloride

Concen: 19.198 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN063085.D

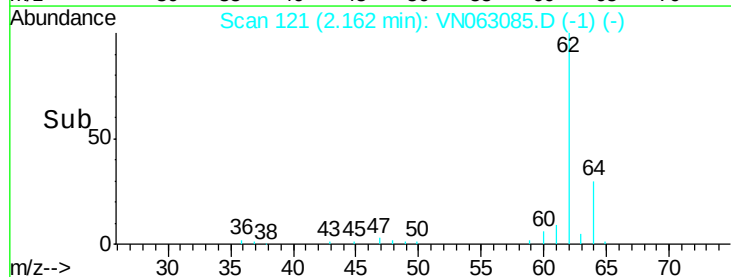
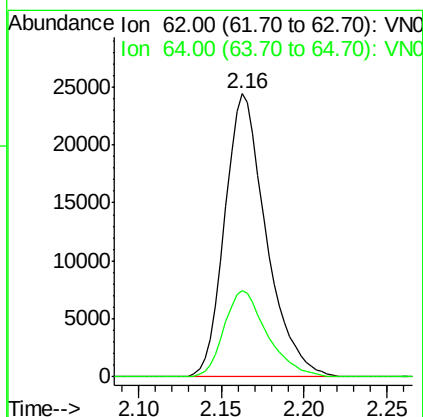
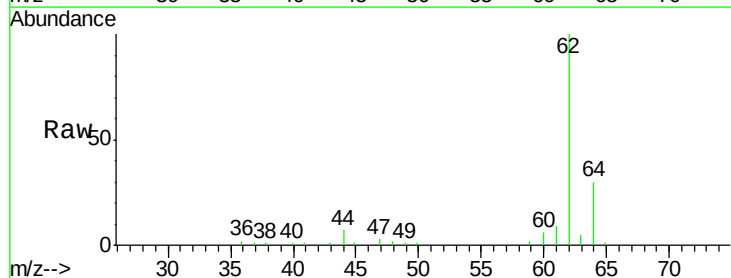
Acq: 21 Aug 2020 17:03

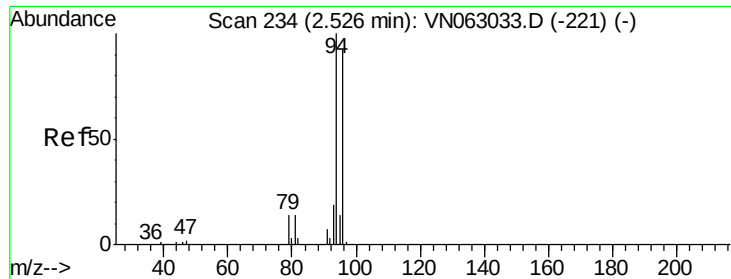
Tgt Ion: 62 Resp: 42427

Ion Ratio Lower Upper

62 100

64 30.5 25.0 37.4





#5

Bromomethane

Concen: 12.680 ug/l

RT: 2.49 min Scan# 222

Delta R.T. -0.04 min

Lab File: VN063085.D

Acq: 21 Aug 2020 17:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 94 Resp: 17273

Ion Ratio Lower Upper

94 100

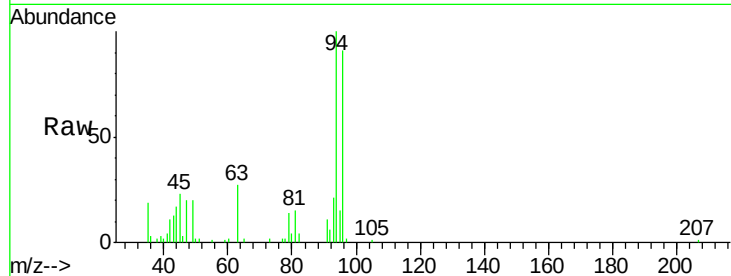
96 90.9 74.0 111.0

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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0

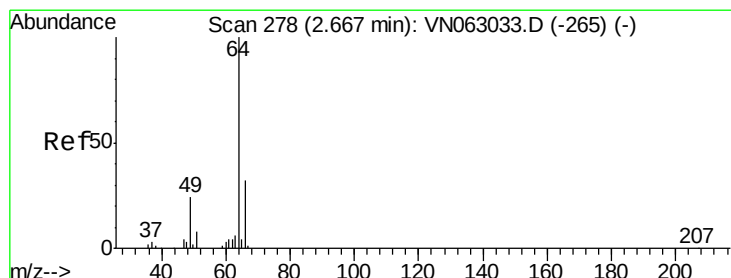
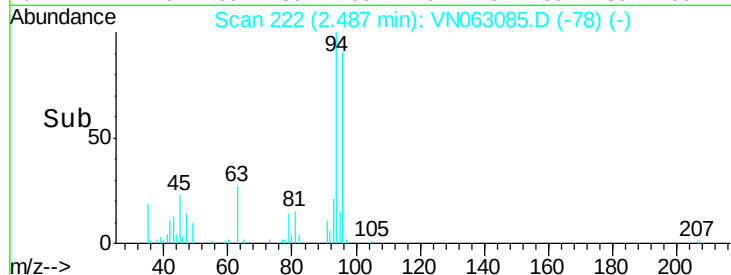
2.49

10000

5000

0

Time-->



#6

Chloroethane

Concen: 13.503 ug/l

RT: 2.59 min Scan# 254

Delta R.T. -0.08 min

Lab File: VN063085.D

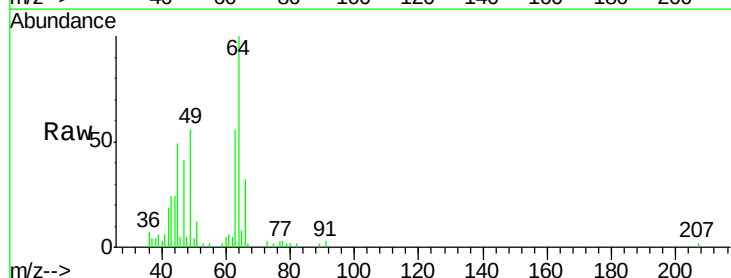
Acq: 21 Aug 2020 17:03

Tgt Ion: 64 Resp: 17637

Ion Ratio Lower Upper

64 100

66 31.7 25.8 38.8



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0

10000

8000

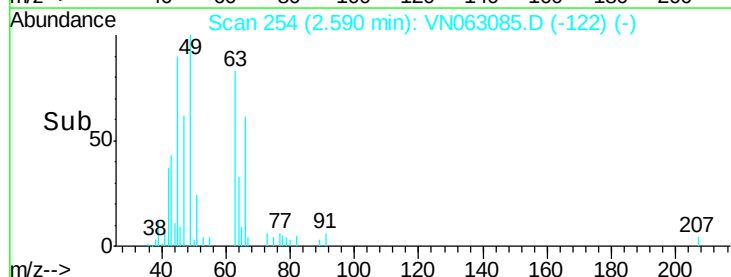
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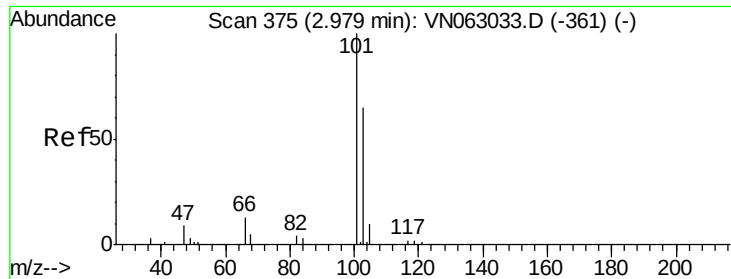
4000

2000

0

Time-->





#7

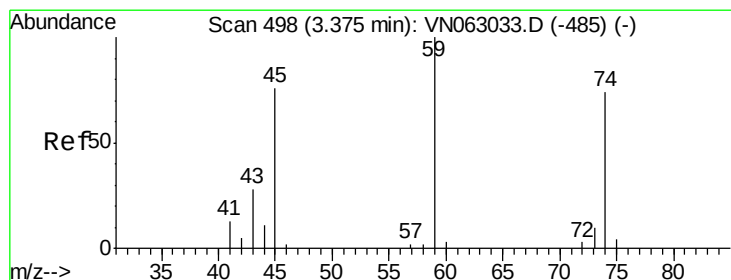
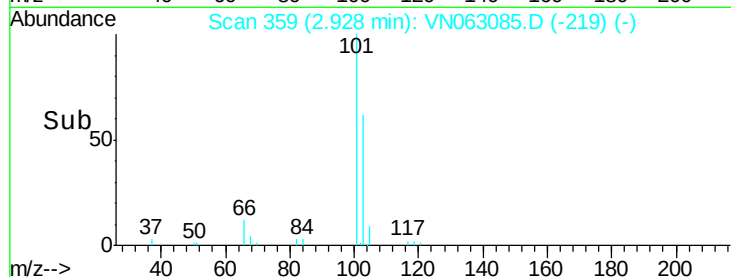
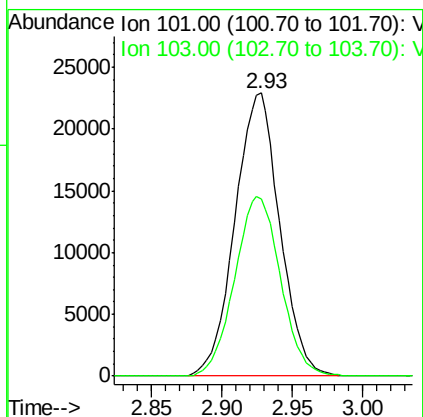
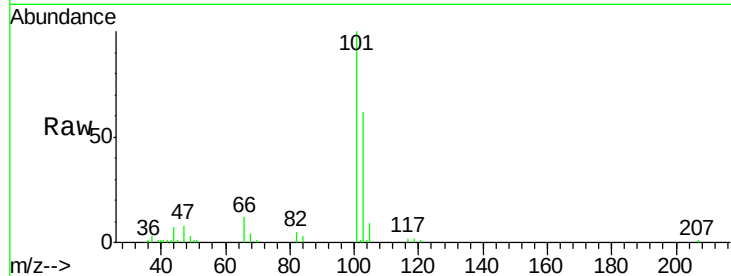
Trichlorofluoromethane
 Concen: 19.114 ug/l
 RT: 2.93 min Scan# 359
 Delta R.T. -0.05 min
 Lab File: VN063085.D
 Acq: 21 Aug 2020 17:03

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		50940		
103	62.4	51.9	77.9		

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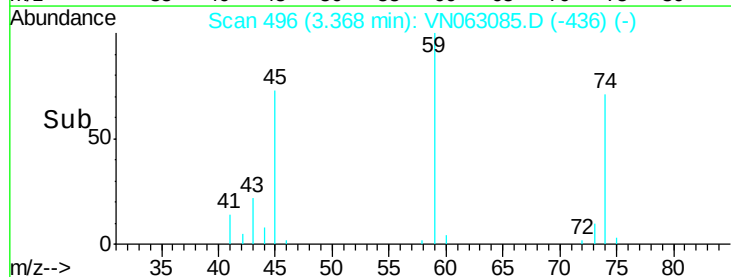
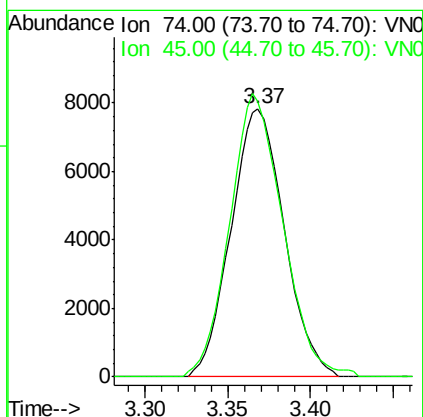
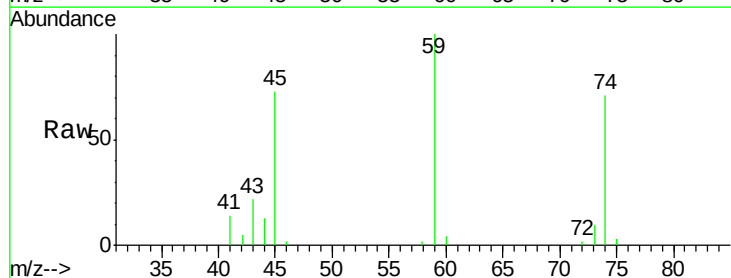
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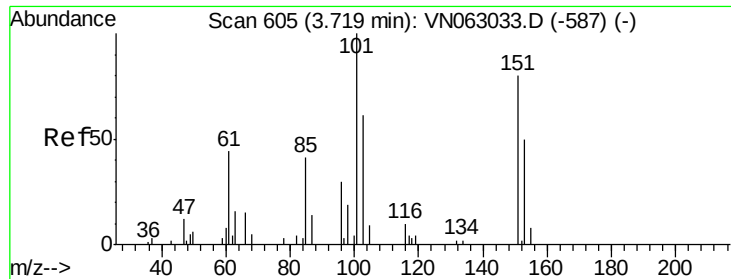


#8

Diethyl Ether
 Concen: 19.822 ug/l
 RT: 3.37 min Scan# 496
 Delta R.T. -0.01 min
 Lab File: VN063085.D
 Acq: 21 Aug 2020 17:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		17570		
45	104.4	20.6	185.4		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.414 ug/l

RT: 3.69 min Scan# 595

Delta R.T. -0.03 min

Lab File: VN063085.D

Acq: 21 Aug 2020 17:03

Instrument :

MSVOA_N

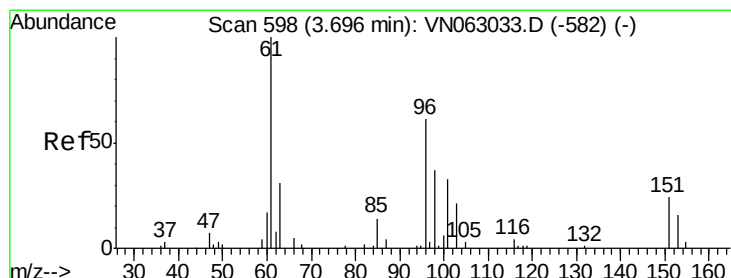
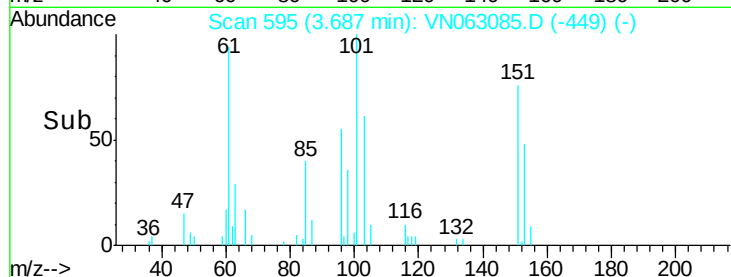
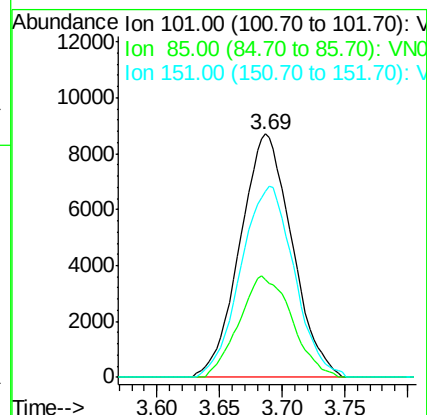
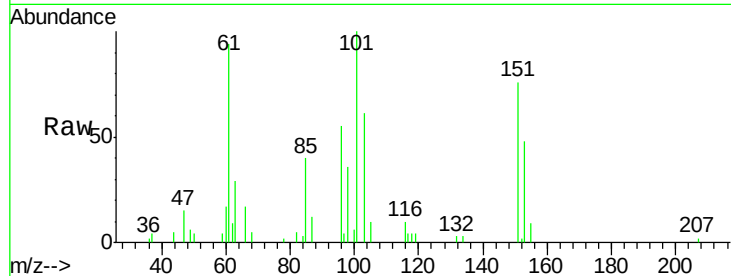
ClientSampleId :

VSTDCCC020EC

Tot Ion:	101	Resp:	25094
Ion Ratio	Lower	Upper	
101	100		
85	42.3	0.0	85.0
151	80.6	0.0	161.6

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 18.227 ug/l

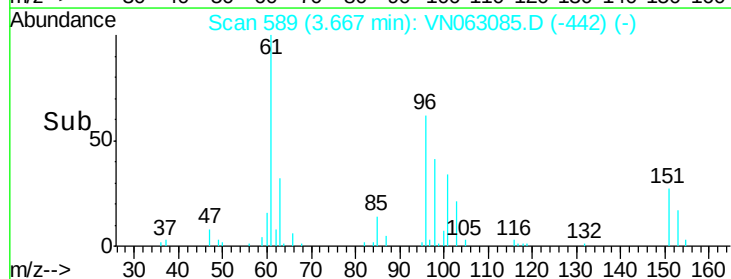
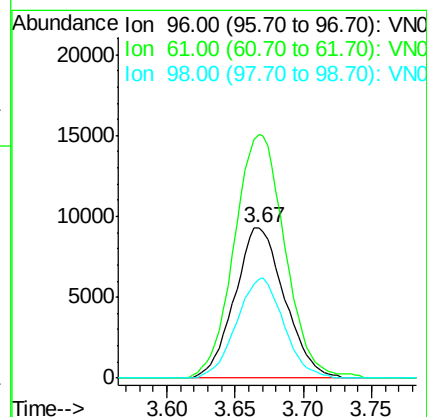
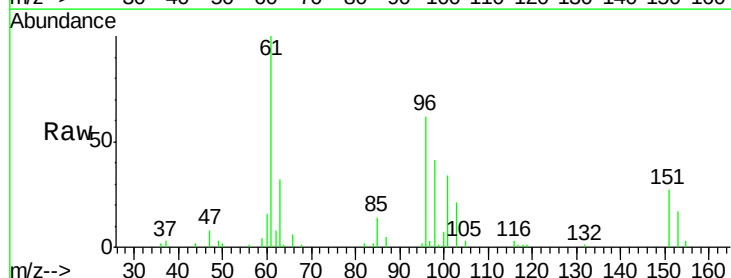
RT: 3.67 min Scan# 589

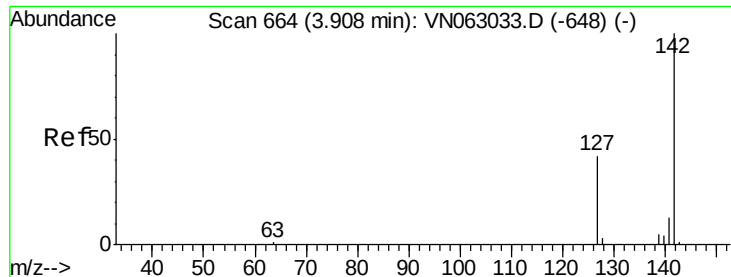
Delta R.T. -0.03 min

Lab File: VN063085.D

Acq: 21 Aug 2020 17:03

Tgt Ion:	96	Resp:	23602
Ion Ratio	Lower	Upper	
96	100		
61	160.2	130.8	196.2
98	66.0	49.0	73.4





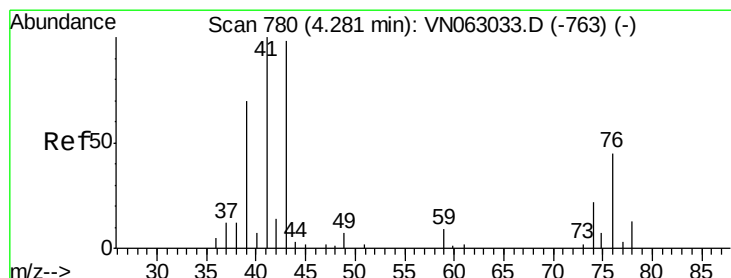
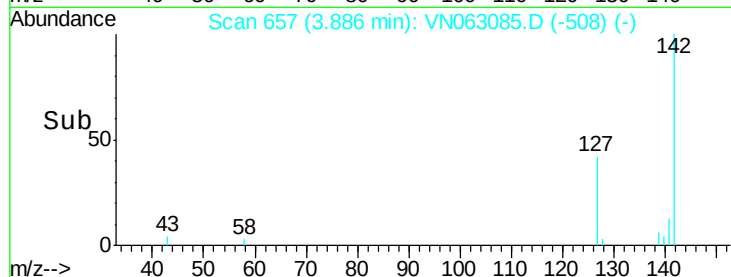
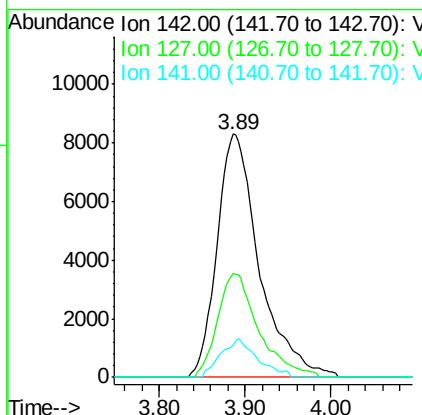
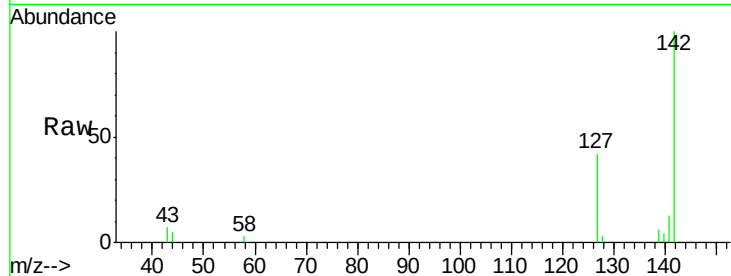
#11
Methyl Iodide
Concen: 15.964 ug/l
RT: 3.89 min Scan# 657
Delta R.T. -0.02 min
Lab File: VN063085.D
Acq: 21 Aug 2020 17:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
142	100		
127	42.5	20.9	62.8
141	13.4	6.7	20.1

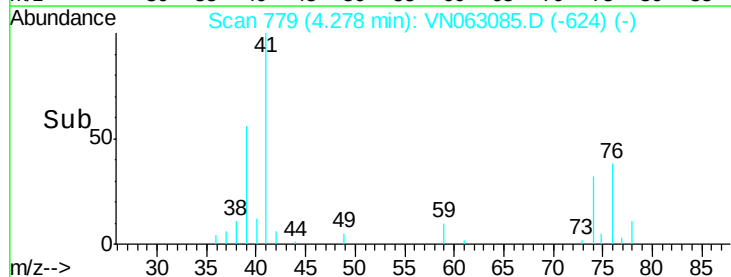
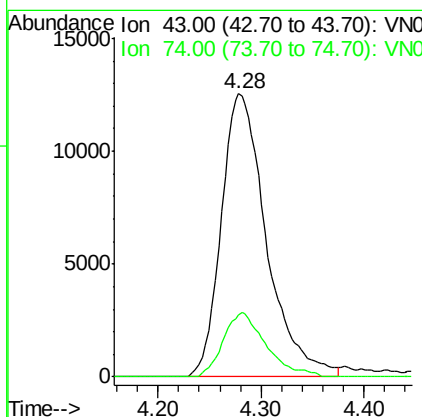
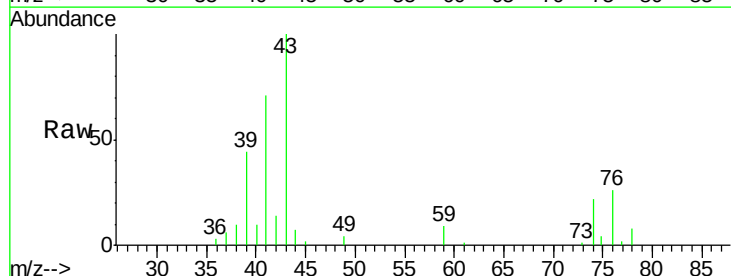
Manual Integrations
APPROVED

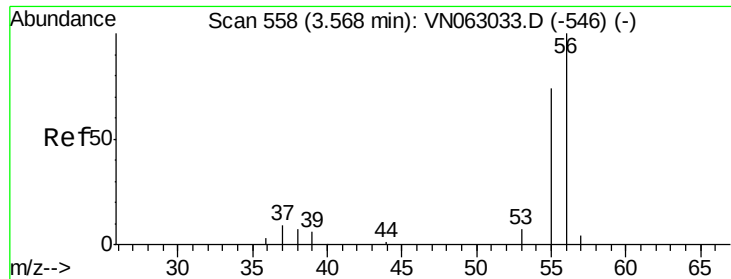
sam
8/24/2020 5:52:39 PM



#12
Methyl Acetate
Concen: 22.168 ug/l
RT: 4.28 min Scan# 779
Delta R.T. -0.00 min
Lab File: VN063085.D
Acq: 21 Aug 2020 17:03

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.2	18.6	27.8





#13

Acrolein

Concen: 97.595 ug/l

RT: 3.56 min Scan# 557

Delta R.T. -0.00 min

Lab File: VN063085.D

Acq: 21 Aug 2020 17:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 56 Resp: 17264

Ion Ratio Lower Upper

56 100

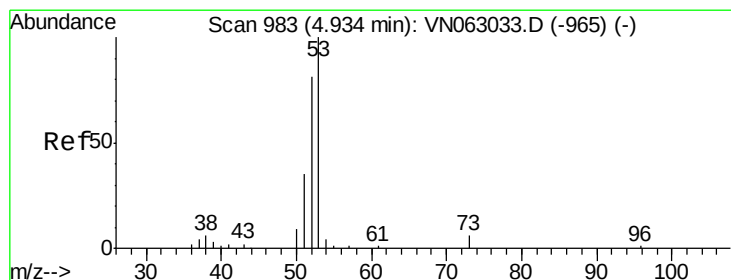
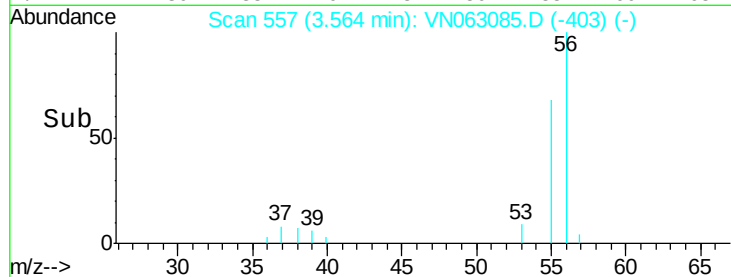
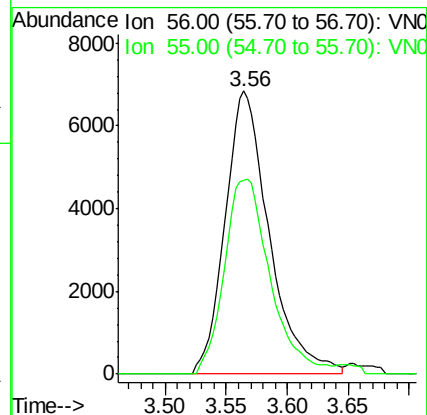
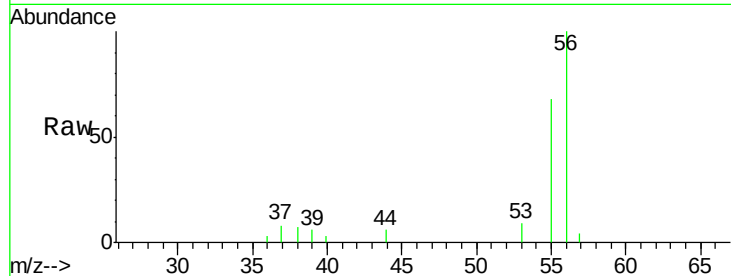
55 70.6 58.7 88.1

Manual Integrations

APPROVED

sam

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#14

Acrylonitrile

Concen: 98.996 ug/l

RT: 4.93 min Scan# 983

Delta R.T. -0.00 min

Lab File: VN063085.D

Acq: 21 Aug 2020 17:03

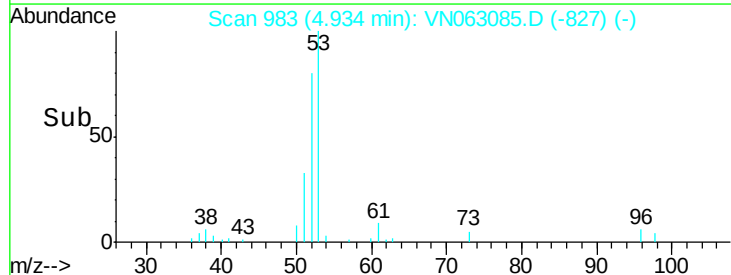
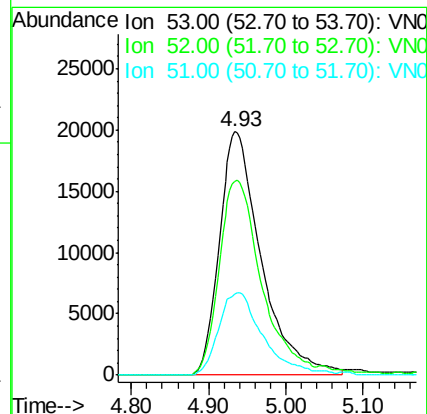
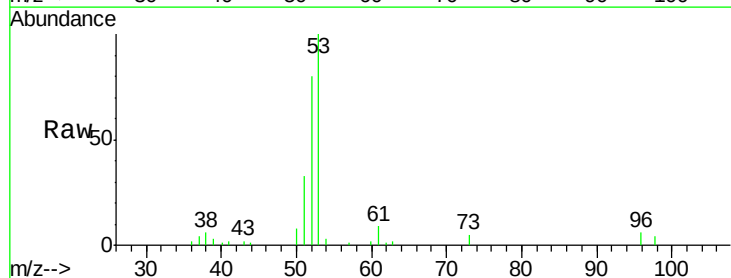
Tgt Ion: 53 Resp: 74817

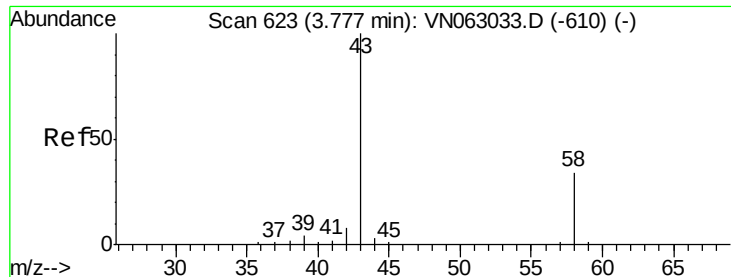
Ion Ratio Lower Upper

53 100

52 80.6 39.9 119.7

51 35.3 17.0 51.0





#15

Acetone

Concen: 74.869 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN063085.D

Acq: 21 Aug 2020 17:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 58 Resp: 16376

Ion Ratio Lower Upper

58 100

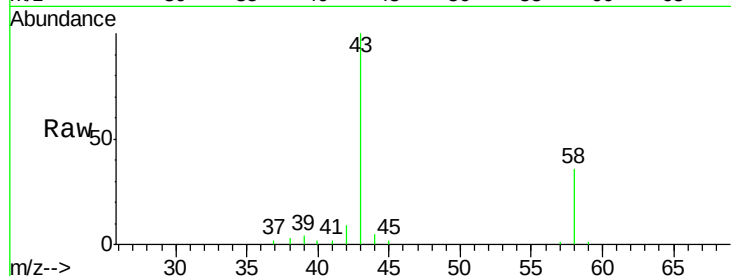
43 268.7 233.2 349.8

Manual Integrations

APPROVED

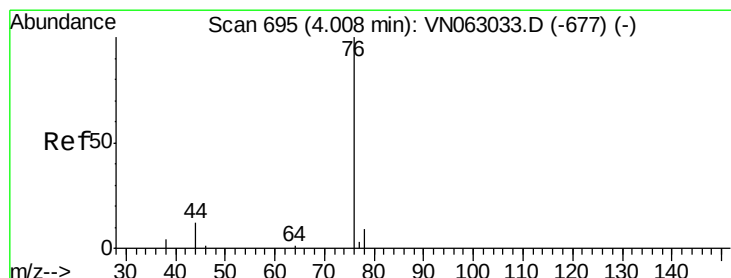
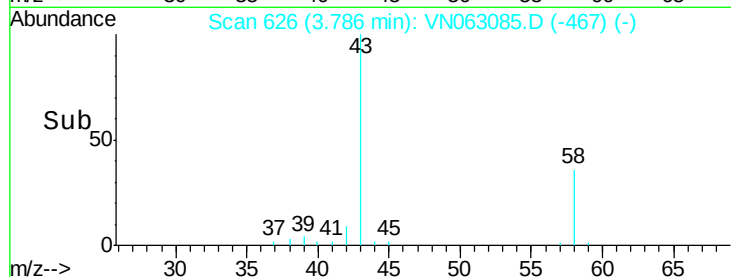
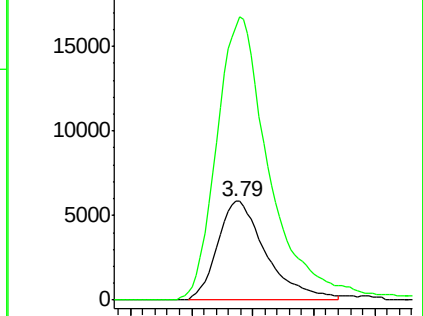
sam

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Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 16.992 ug/l

RT: 3.98 min Scan# 687

Delta R.T. -0.03 min

Lab File: VN063085.D

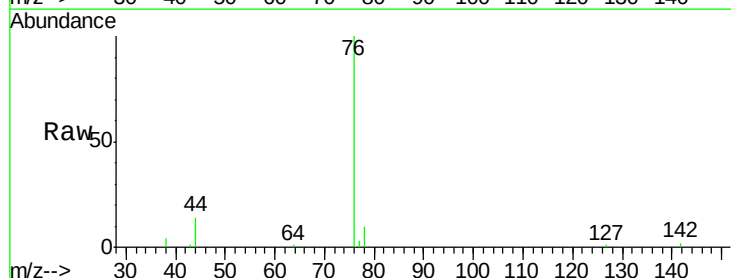
Acq: 21 Aug 2020 17:03

Tgt Ion: 76 Resp: 59066

Ion Ratio Lower Upper

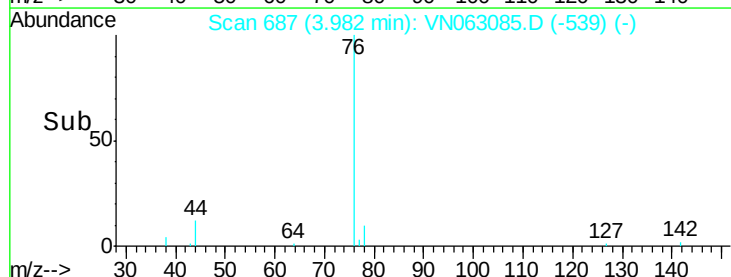
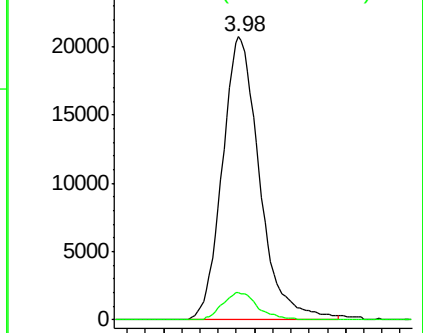
76 100

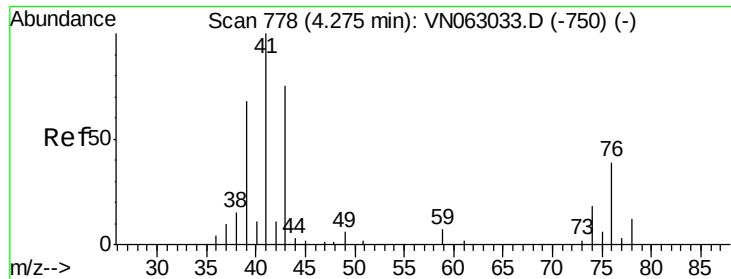
78 9.7 7.0 10.4



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





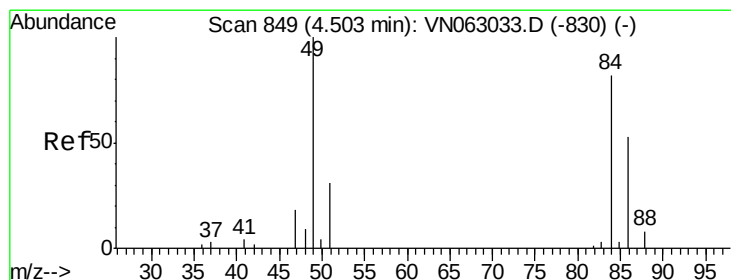
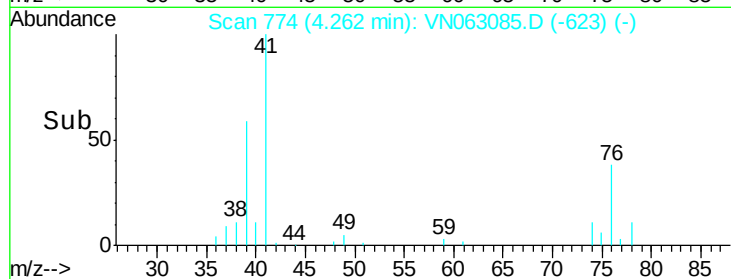
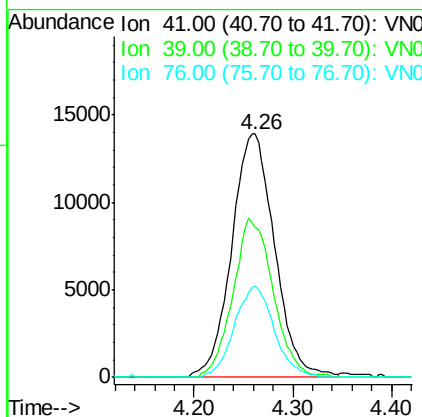
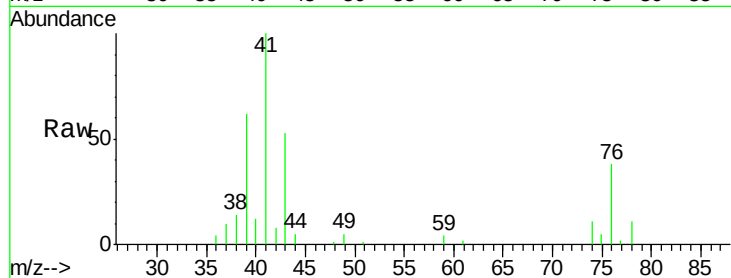
#17
Allvl chloride
Concen: 17.667 ug/l
RT: 4.26 min Scan# 774
Delta R.T. -0.01 min
Lab File: VN063085.D
Acq: 21 Aug 2020 17:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	61.6	33.8	101.4
76	37.5	19.4	58.4

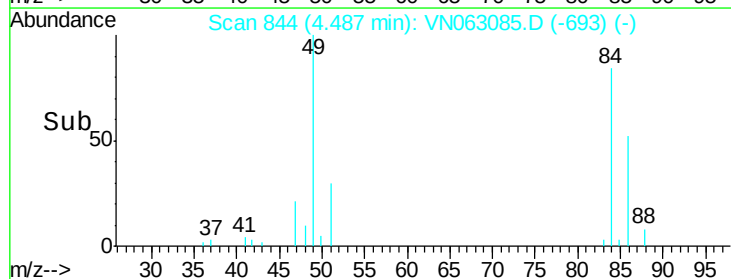
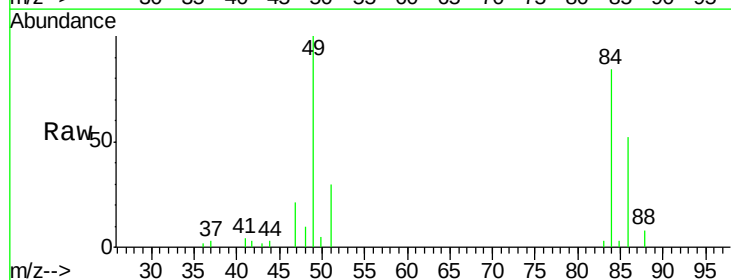
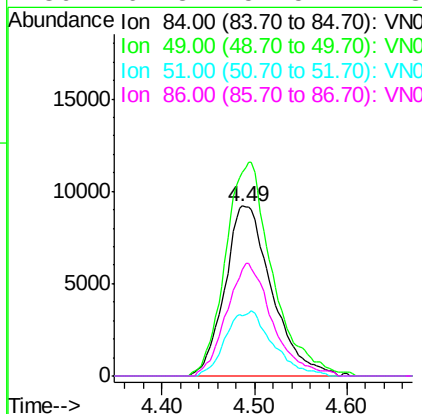
Manual Integrations
APPROVED

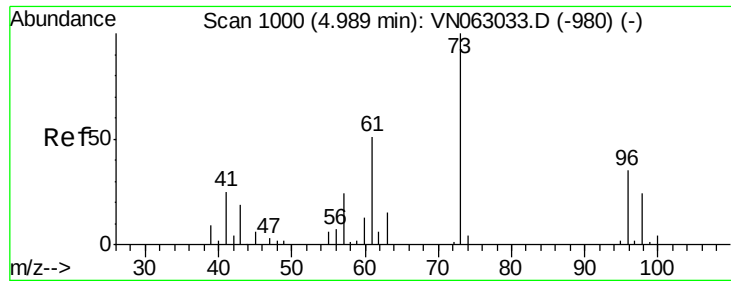
sam
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#18
Methylene Chloride
Concen: 17.907 ug/l
RT: 4.49 min Scan# 844
Delta R.T. -0.02 min
Lab File: VN063085.D
Acq: 21 Aug 2020 17:03

Tgt Ion	Ratio	Lower	Upper
84	100		
49	119.5	97.8	146.8
51	35.6	30.7	46.1
86	62.3	51.5	77.3





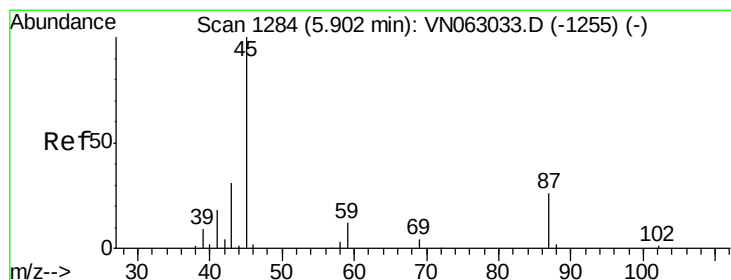
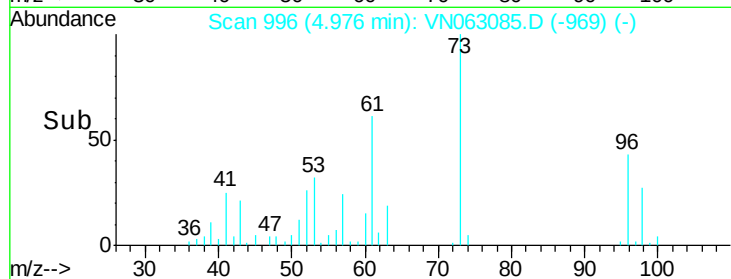
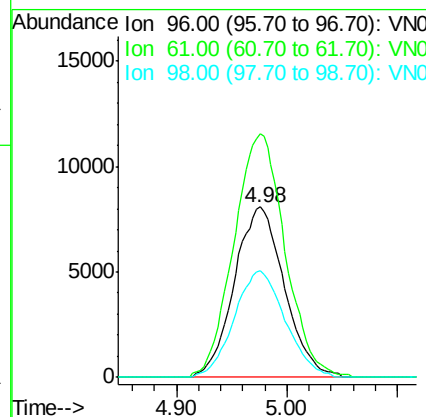
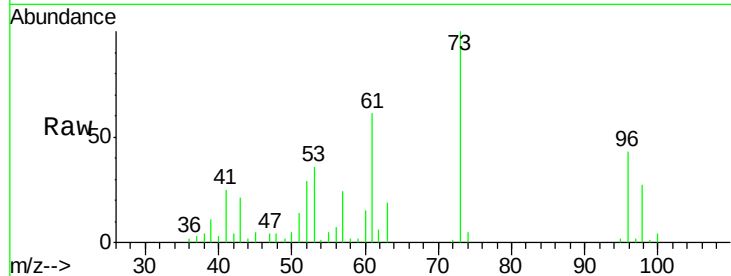
#19
trans-1,2-Dichloroethene
Concen: 17.831 ug/l
RT: 4.98 min Scan# 996
Delta R.T. -0.01 min
Lab File: VN063085.D
Acq: 21 Aug 2020 17:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.0	115.9	173.9
98	62.4	53.3	79.9

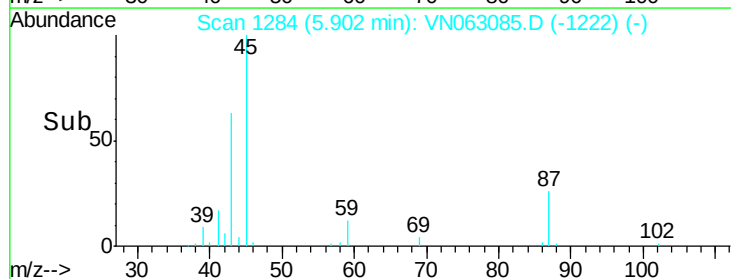
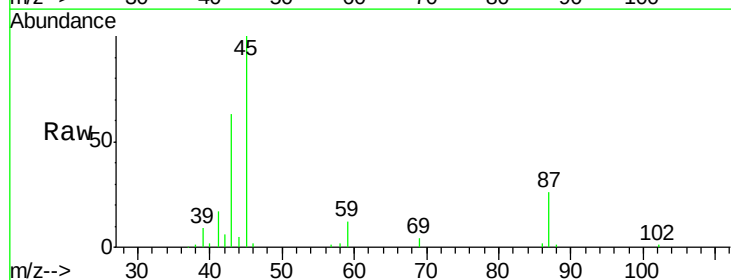
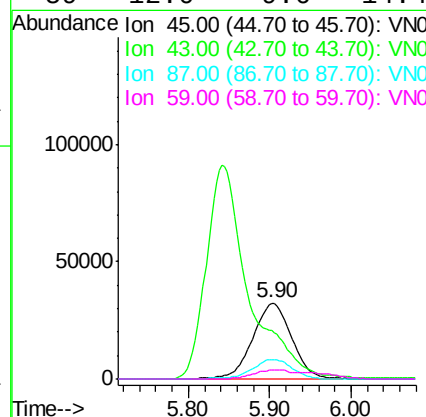
Manual Integrations
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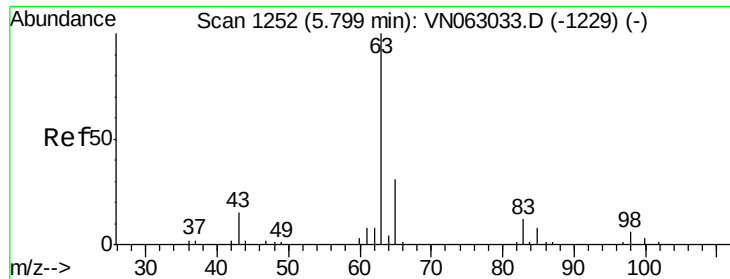
sam
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#20
Diisopropyl ether
Concen: 19.351 ug/l
RT: 5.90 min Scan# 1284
Delta R.T. -0.00 min
Lab File: VN063085.D
Acq: 21 Aug 2020 17:03

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.6	51.8	77.6
87	26.0	21.8	32.6
59	12.0	9.6	14.4





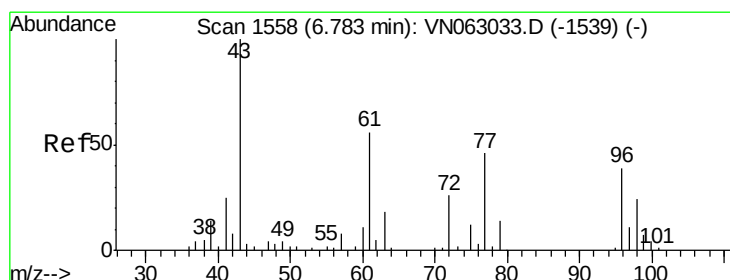
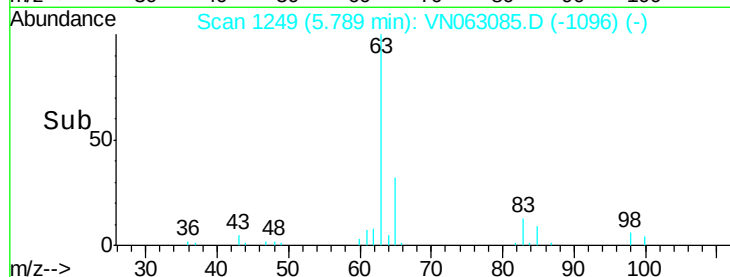
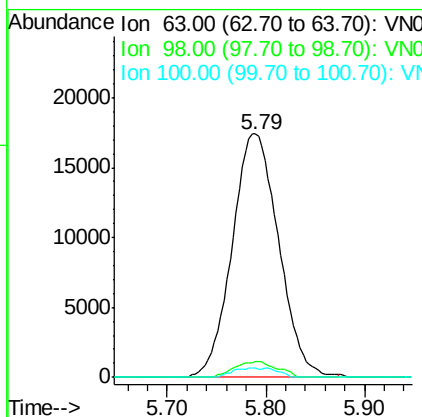
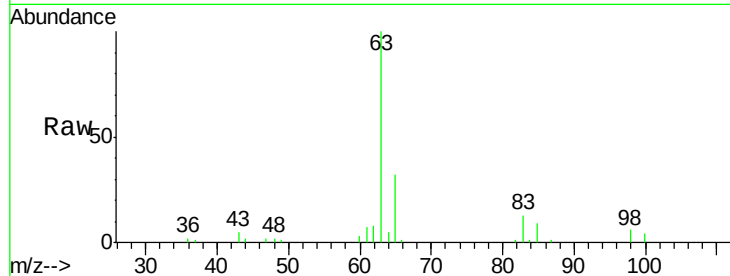
#21
 1,1-Dichloroethane
 Concen: 18.656 ug/l
 RT: 5.79 min Scan# 1249
 Delta R.T. -0.01 min
 Lab File: VN063085.D
 Acq: 21 Aug 2020 17:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:	63	Resp:	56979
Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.1	9.3
100	3.8	1.8	5.3

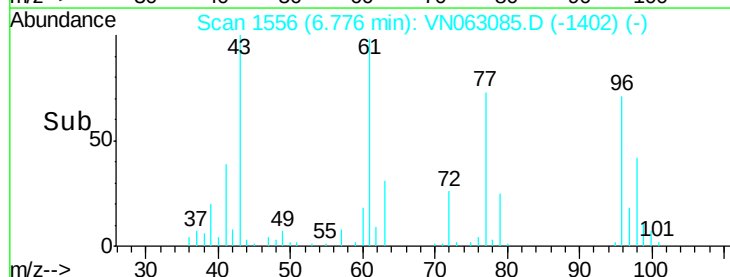
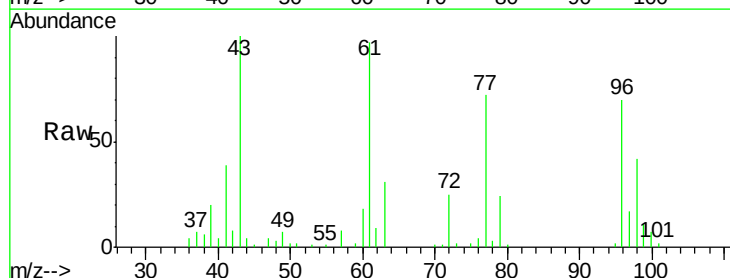
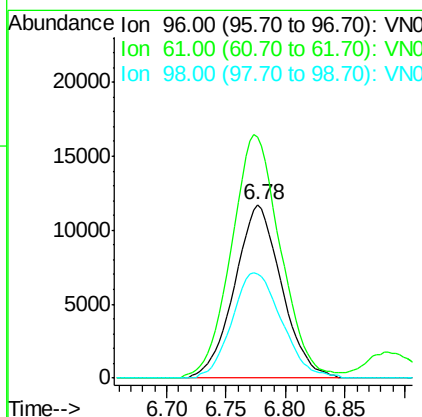
Manual Integrations
 APPROVED

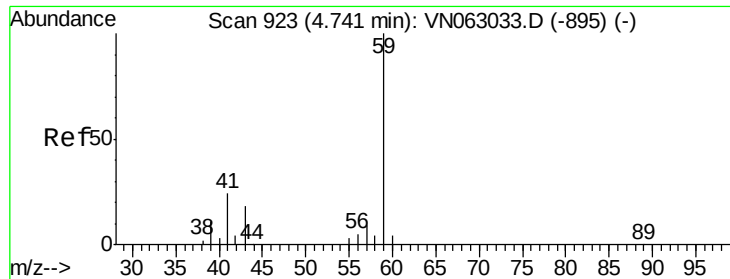
sam
 8/24/2020 5:52:39 PM



#22
 cis-1,2-Dichloroethene
 Concen: 18.171 ug/l
 RT: 6.78 min Scan# 1556
 Delta R.T. -0.01 min
 Lab File: VN063085.D
 Acq: 21 Aug 2020 17:03

Tgt Ion:	96	Resp:	32064
Ion	Ratio	Lower	Upper
96	100		
61	146.9	120.9	181.3
98	64.1	50.3	75.5





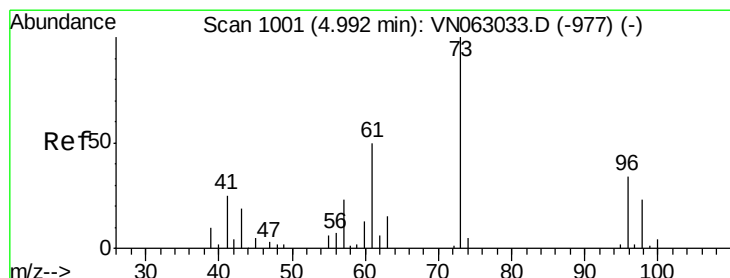
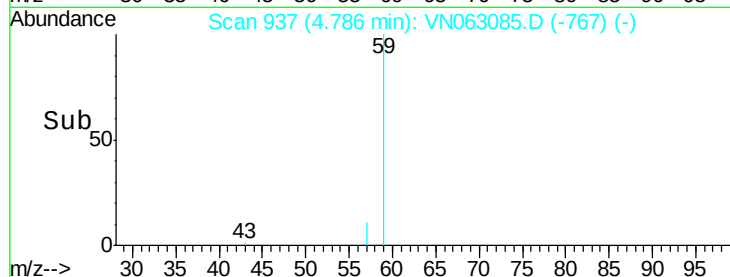
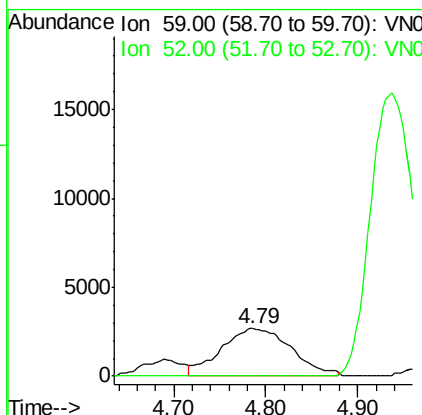
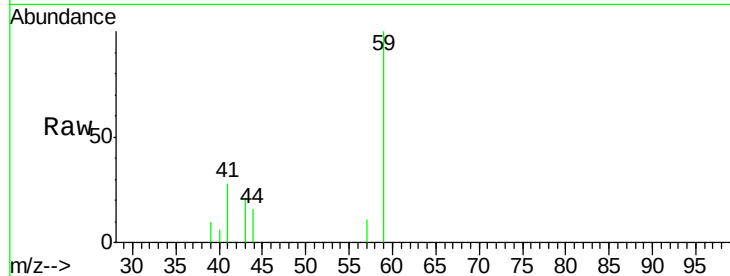
#23
 tert-Butyl Alcohol
 Concen: 57.505 ug/l m
 RT: 4.79 min Scan# 937
 Delta R.T. 0.04 min
 Lab File: VN063085.D
 Acq: 21 Aug 2020 17:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	59	52	Ratio	Lower	Upper
14238	100	0.0	0.0	0.0	

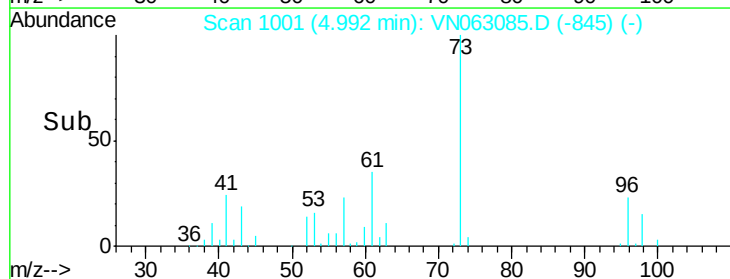
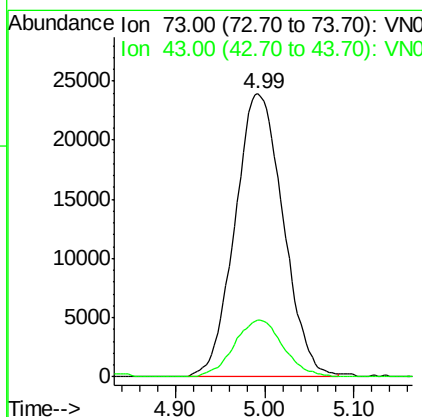
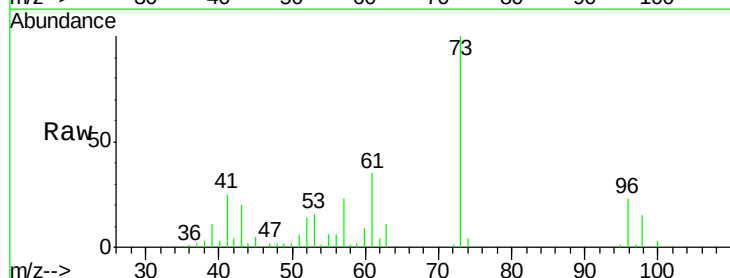
Manual Integrations
 APPROVED

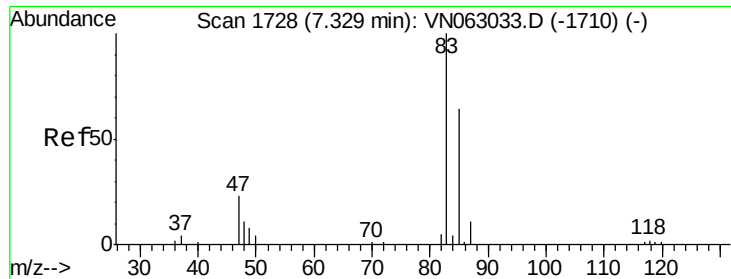
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#24
 Methyl tert-Butyl Ether
 Concen: 18.949 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VN063085.D
 Acq: 21 Aug 2020 17:03

Tgt Ion	73	43	Ratio	Lower	Upper
90012	100	20.3	15.8	23.6	





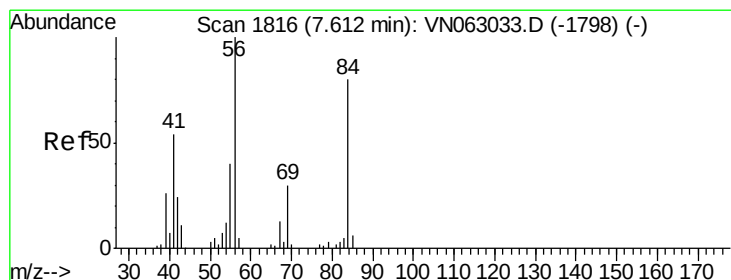
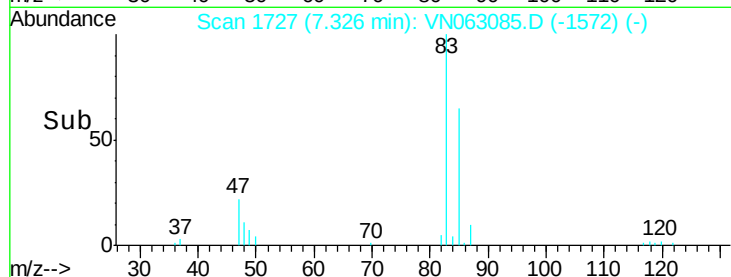
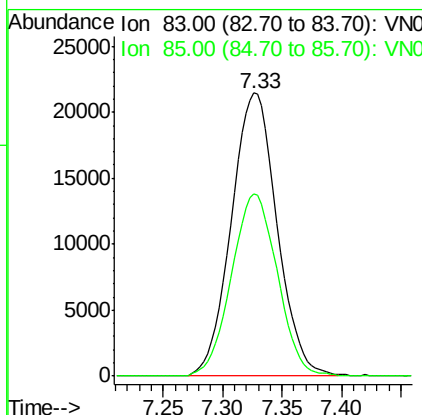
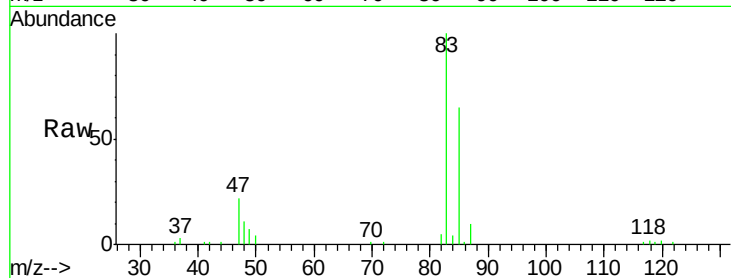
#25
Chloroform
Concen: 18.795 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN063085.D
Acq: 21 Aug 2020 17:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	83	Resp	57165
Ion Ratio	100	Lower	Upper
85	64.6	51.0	76.4

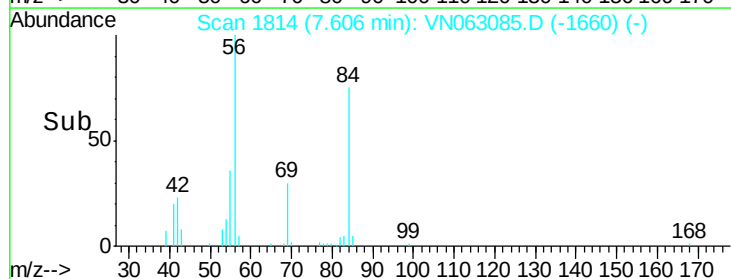
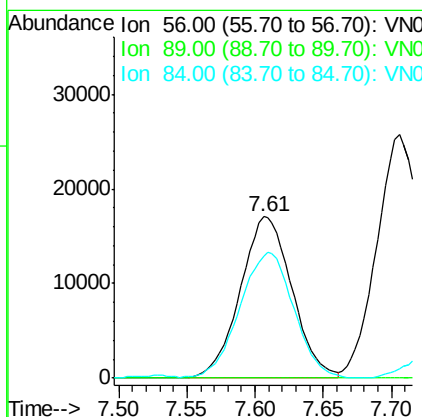
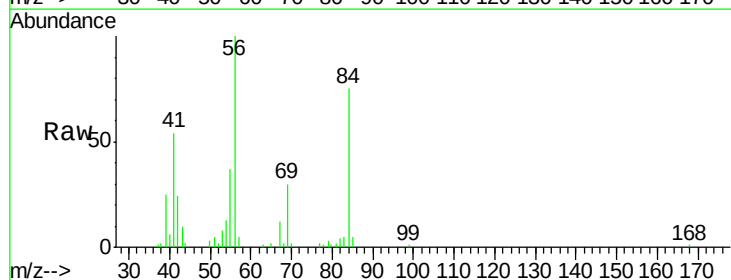
Manual Integrations
APPROVED

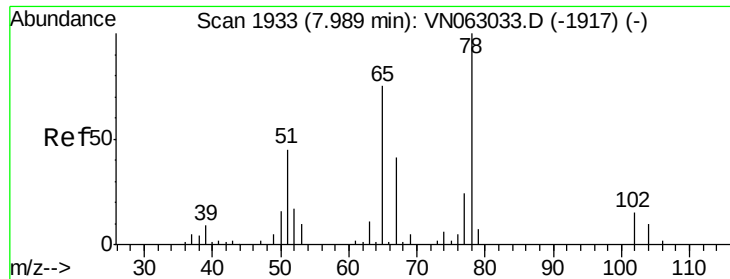
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#26
Cyclohexane
Concen: 17.084 ug/l
RT: 7.61 min Scan# 1814
Delta R.T. -0.01 min
Lab File: VN063085.D
Acq: 21 Aug 2020 17:03

Tgt Ion	56	Resp	44917
Ion Ratio	100	Lower	Upper
89	0.0	0.0	0.0
84	81.4	65.0	97.4





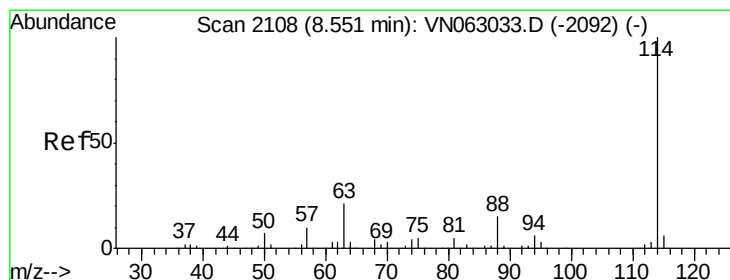
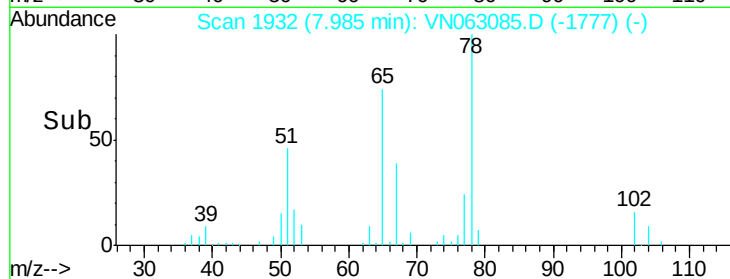
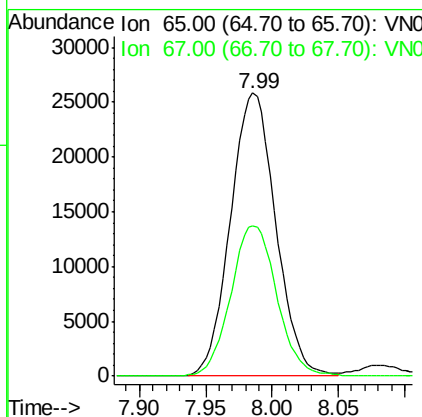
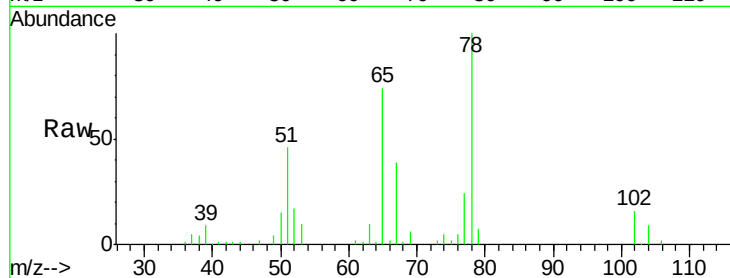
#27
 1,2-Dichloroethane-d4
 Concen: 31.237 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN063085.D
 Acq: 21 Aug 2020 17:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.8	43.8	65.6

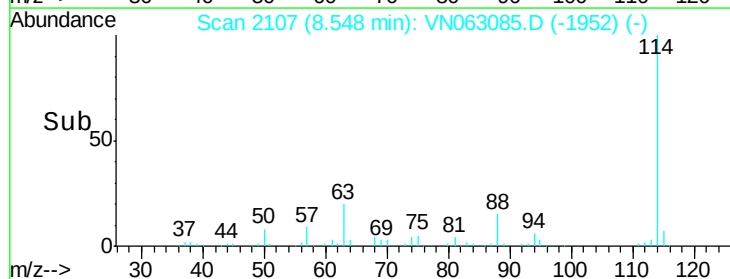
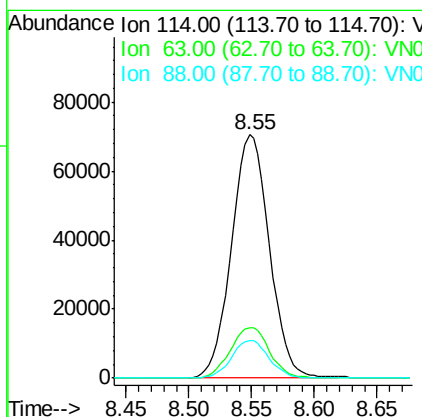
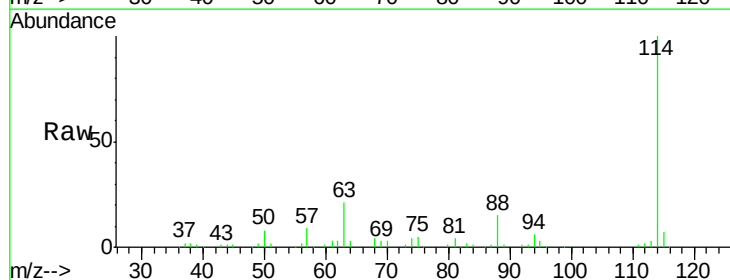
Manual Integrations
 APPROVED

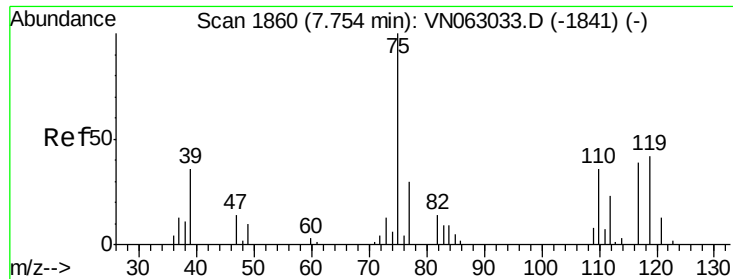
sam
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#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN063085.D
 Acq: 21 Aug 2020 17:03

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.4	17.0	25.6
88	15.3	12.6	18.8





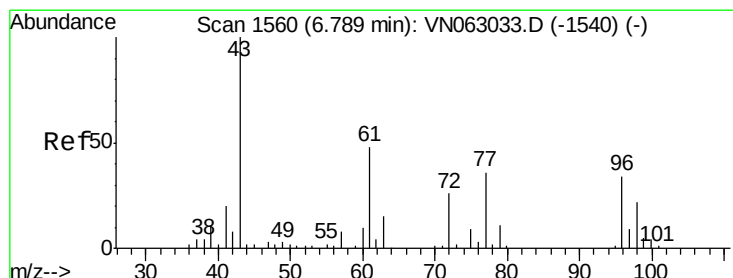
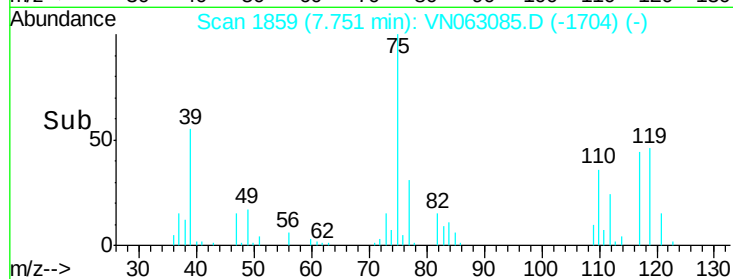
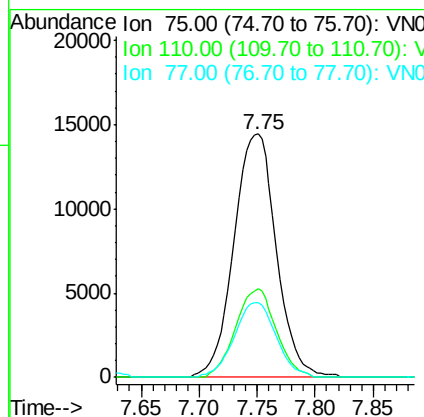
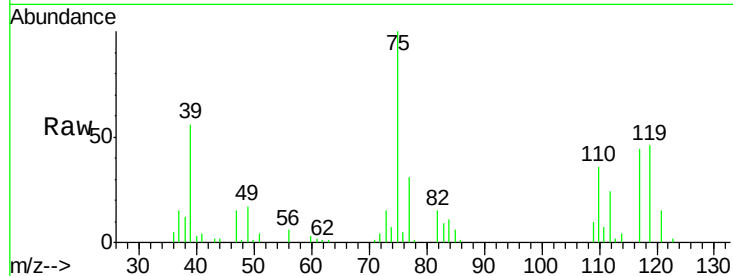
#29
 1,1-Dichloropropene
 Concen: 17.033 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN063085.D
 Acq: 21 Aug 2020 17:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
110	34.7	0.0	70.6
77	30.4	0.0	60.2

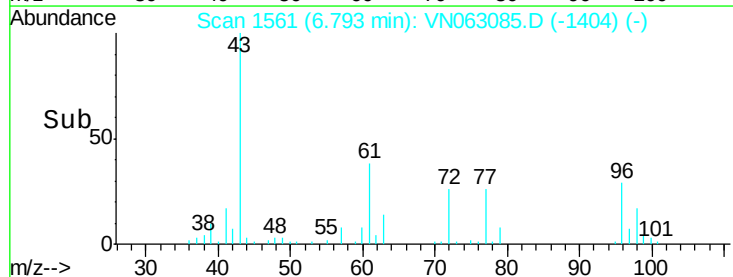
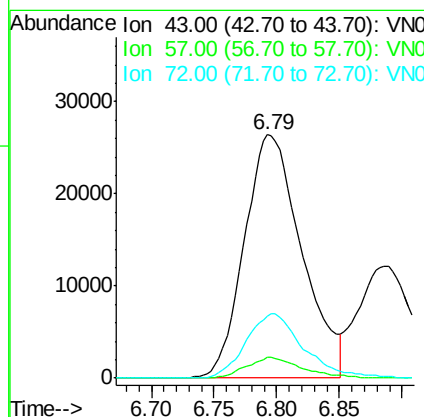
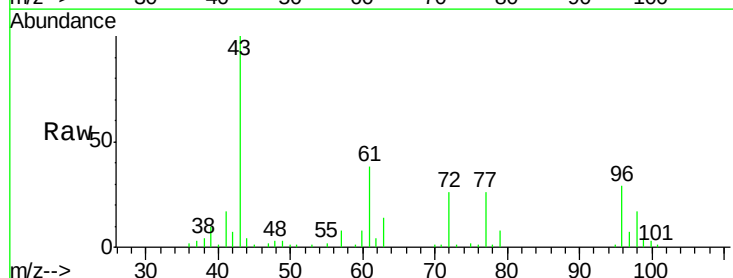
Manual Integrations
 APPROVED

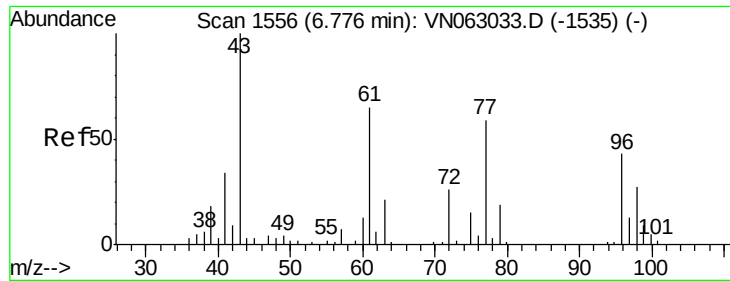
sam
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#30
 2-Butanone
 Concen: 83.815 ug/l
 RT: 6.79 min Scan# 1561
 Delta R.T. 0.00 min
 Lab File: VN063085.D
 Acq: 21 Aug 2020 17:03

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.2	6.6	9.8
72	26.6	21.3	31.9





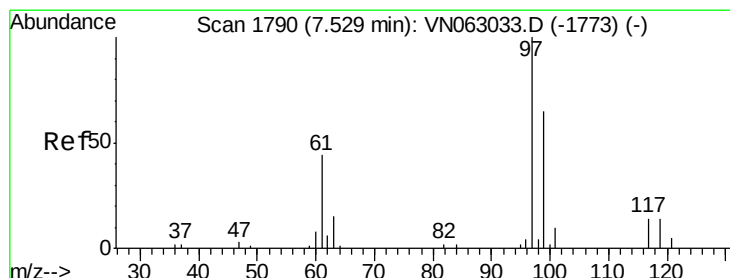
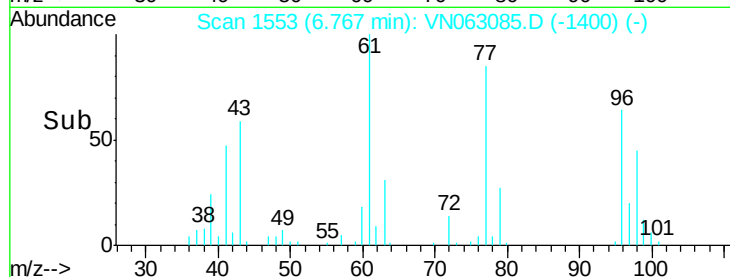
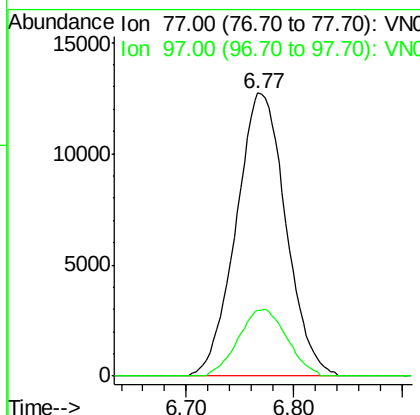
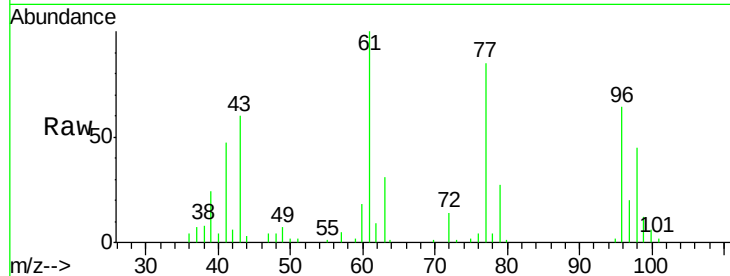
#31
 2,2-Dichloropropane
 Concen: 15.582 ug/l
 RT: 6.77 min Scan# 1553
 Delta R.T. -0.01 min
 Lab File: VN063085.D
 Acq: 21 Aug 2020 17:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 77 Resp: 40788
 Ion Ratio Lower Upper
 77 100
 97 23.1 18.2 27.4

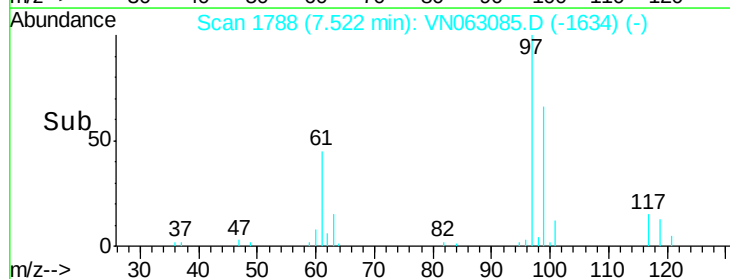
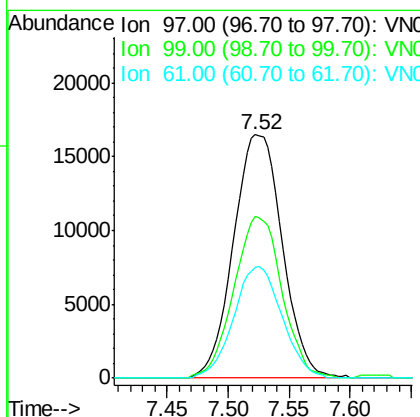
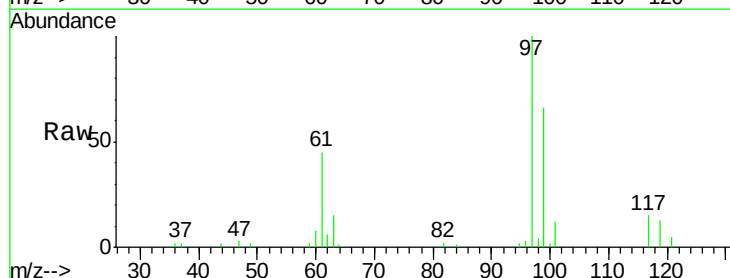
Manual Integrations
 APPROVED

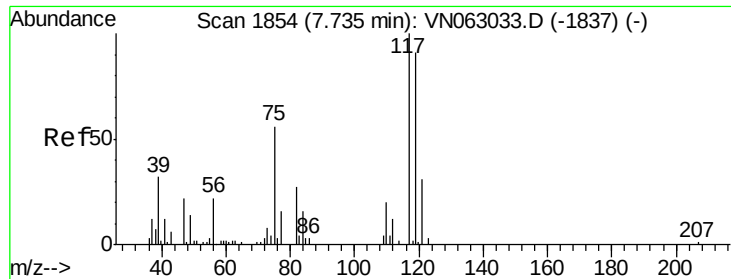
sam
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#32
 1,1,1-Trichloroethane
 Concen: 17.662 ug/l
 RT: 7.52 min Scan# 1788
 Delta R.T. -0.01 min
 Lab File: VN063085.D
 Acq: 21 Aug 2020 17:03

Tgt Ion: 97 Resp: 45812
 Ion Ratio Lower Upper
 97 100
 99 65.1 51.7 77.5
 61 45.3 35.3 52.9





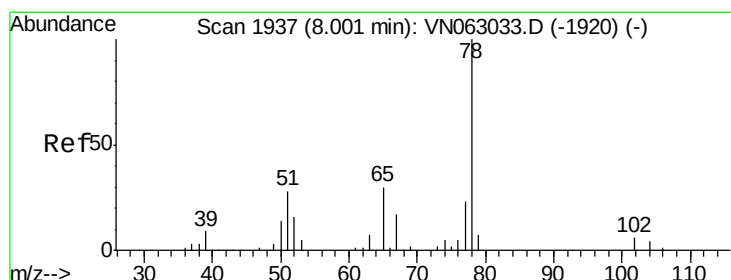
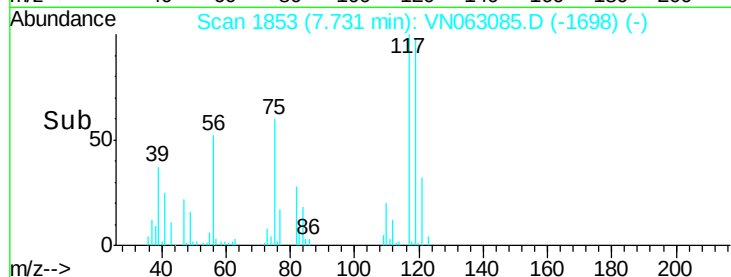
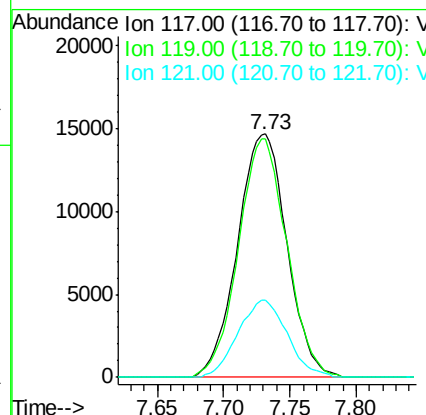
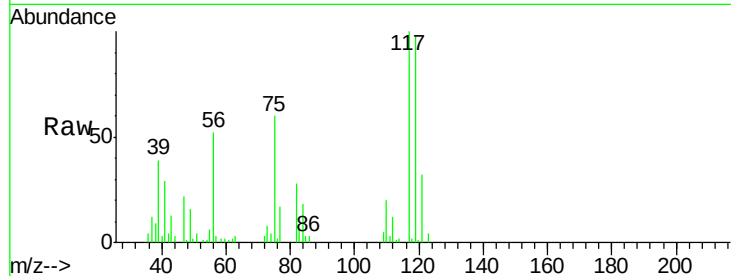
#33
Carbon Tetrachloride
Concen: 17.237 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN063085.D
Acq: 21 Aug 2020 17:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
119	97.8	73.0	109.4
121	31.7	24.9	37.3

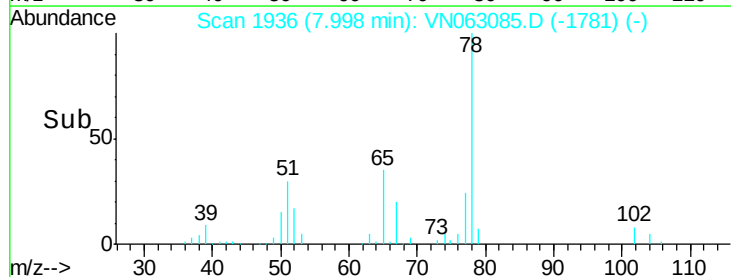
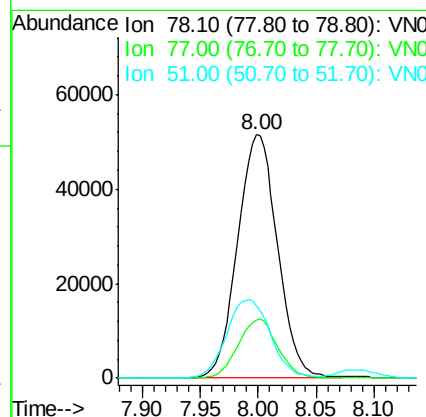
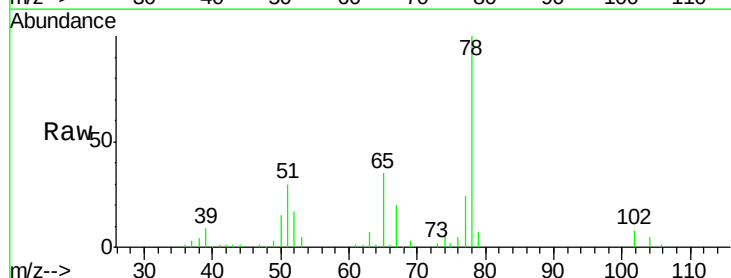
Manual Integrations
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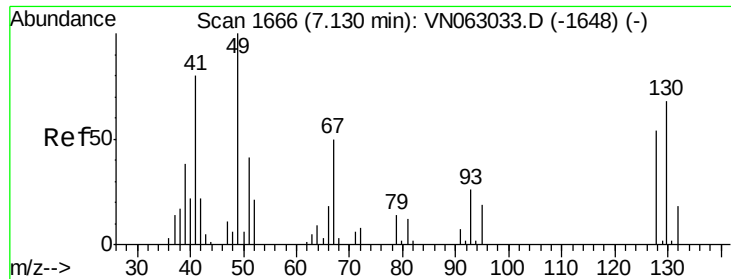
sam
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#34
Benzene
Concen: 17.872 ug/l
RT: 8.00 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VN063085.D
Acq: 21 Aug 2020 17:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.6	27.8
51	29.4	22.2	33.2





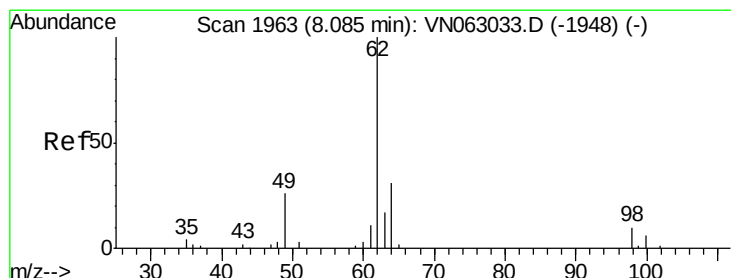
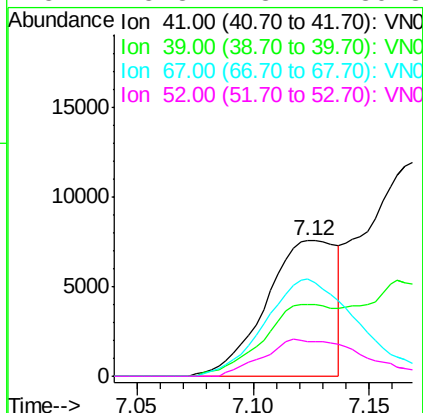
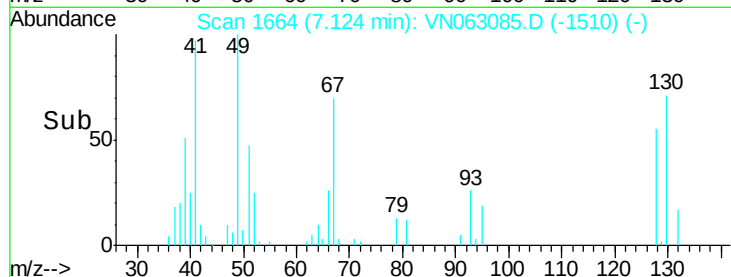
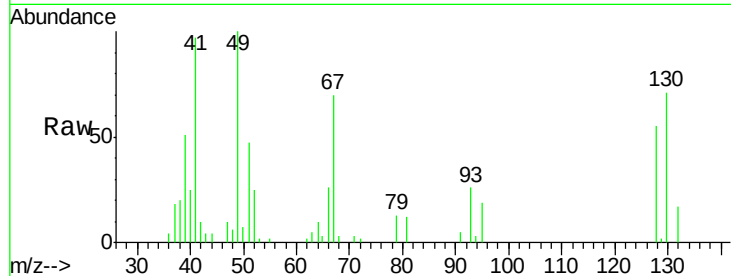
#35
Methacrylonitrile
Concen: 16.786 ug/l
RT: 7.12 min Scan# 1664
Delta R.T. -0.01 min
Lab File: VN063085.D
Acq: 21 Aug 2020 17:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:	41	Resp:	16014
Ion	Ratio	Lower	Upper
41	100		
39	52.9	23.7	71.1
67	71.7	31.6	94.7
52	25.8	13.1	39.3

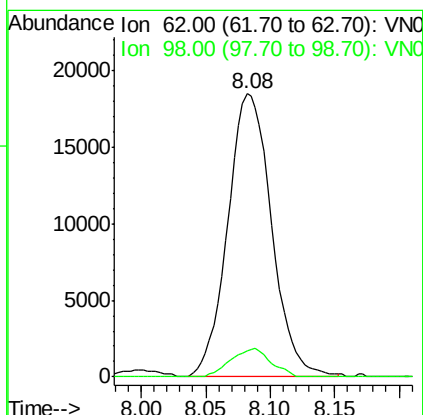
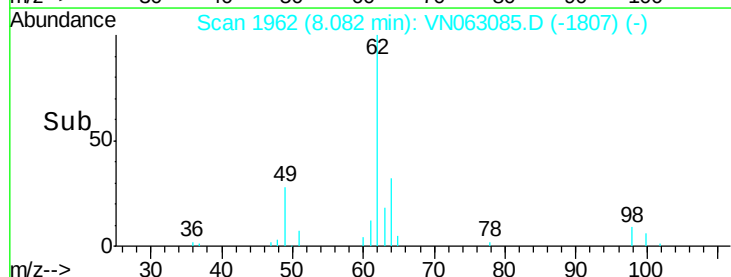
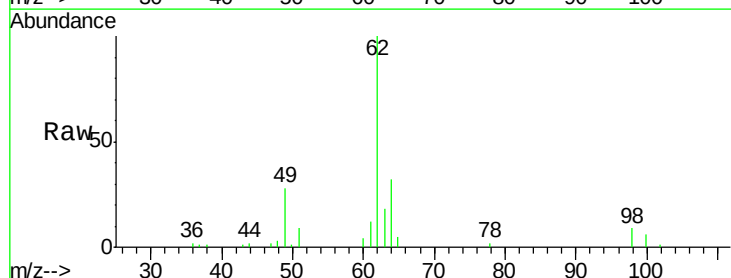
Manual Integrations
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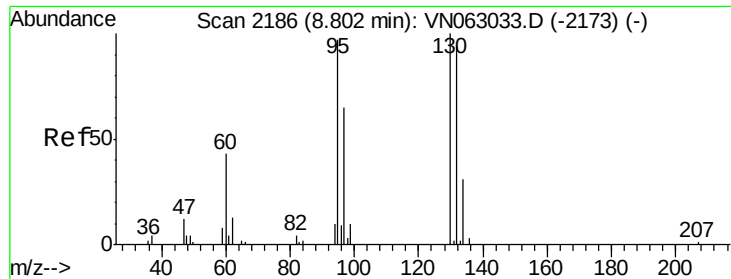
sam
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#36
1,2-Dichloroethane
Concen: 18.591 ug/l
RT: 8.08 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VN063085.D
Acq: 21 Aug 2020 17:03

Tgt Ion:	62	Resp:	43772
Ion	Ratio	Lower	Upper
62	100		
98	9.2	7.6	11.4





#37

Trichloroethene

Concen: 17.486 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VN063085.D

Acq: 21 Aug 2020 17:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:130 Resp: 29554

Ion Ratio Lower Upper

130 100

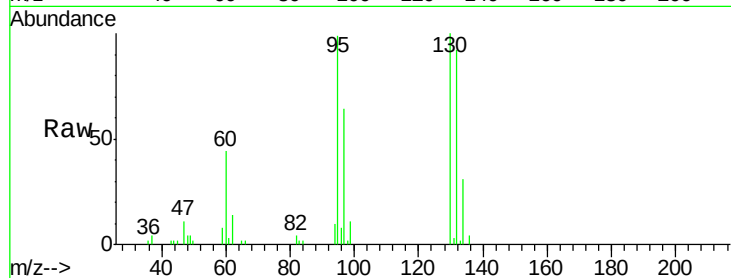
95 99.5 78.9 118.3

Manual Integrations

APPROVED

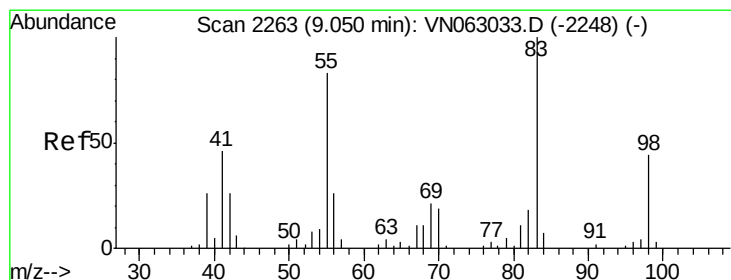
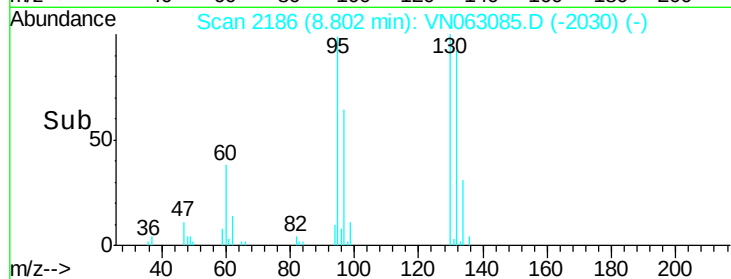
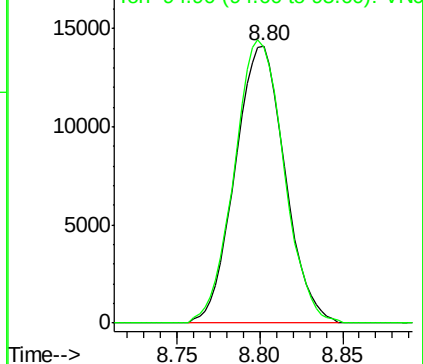
sam

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN



#38

Methylcyclohexane

Concen: 14.275 ug/l

RT: 9.05 min Scan# 2262

Delta R.T. -0.00 min

Lab File: VN063085.D

Acq: 21 Aug 2020 17:03

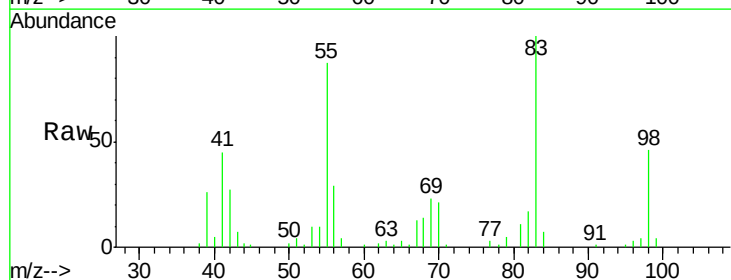
Tgt Ion: 83 Resp: 38560

Ion Ratio Lower Upper

83 100

55 86.3 41.9 125.7

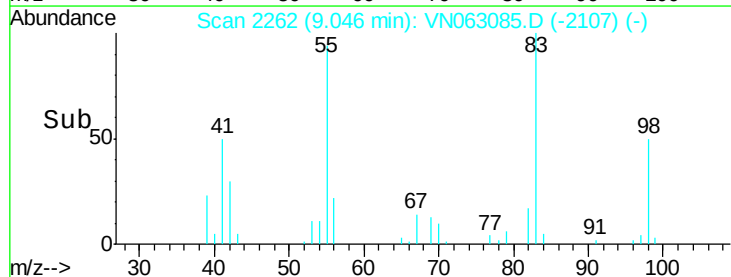
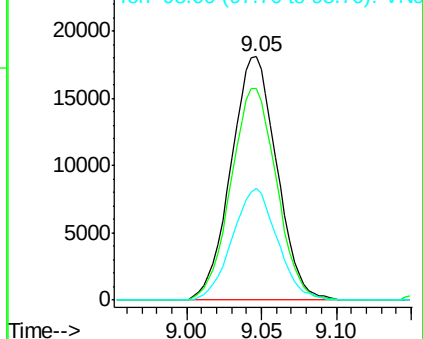
98 45.2 22.2 66.6

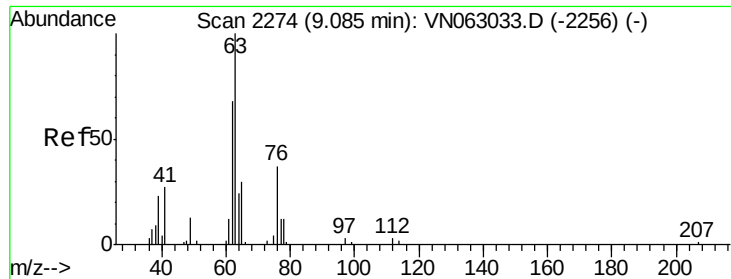


Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN





#39

1,2-Dichloropropane

Concen: 18.488 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VN063085.D

Acq: 21 Aug 2020 17:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 63 Resp: 37134

Ion Ratio Lower Upper

63 100

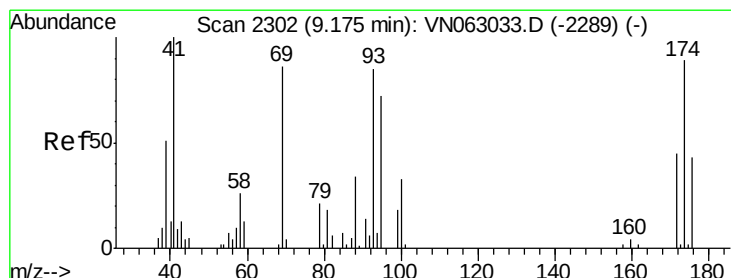
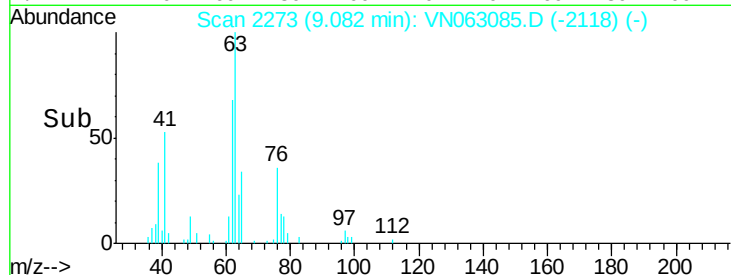
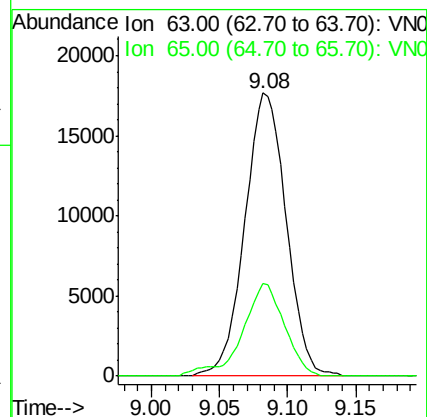
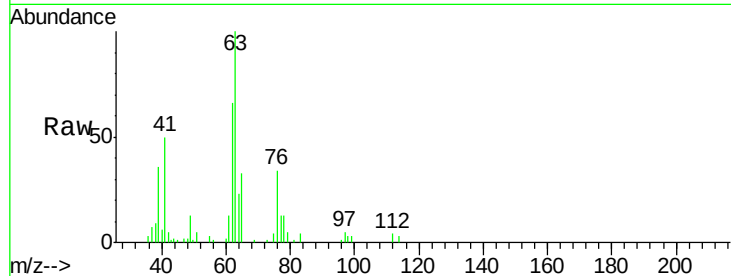
65 32.6 25.1 37.7

Manual Integrations

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#40

Dibromomethane

Concen: 18.804 ug/l

RT: 9.17 min Scan# 2301

Delta R.T. -0.00 min

Lab File: VN063085.D

Acq: 21 Aug 2020 17:03

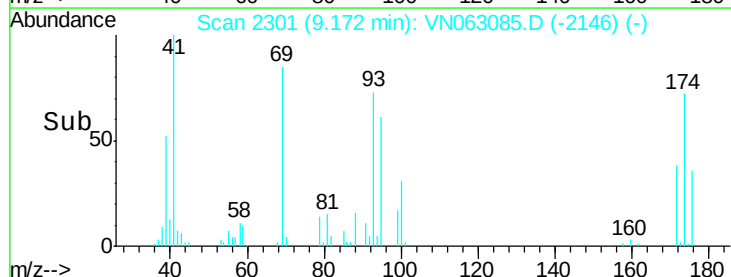
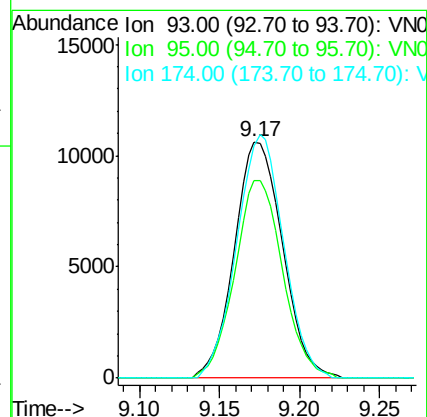
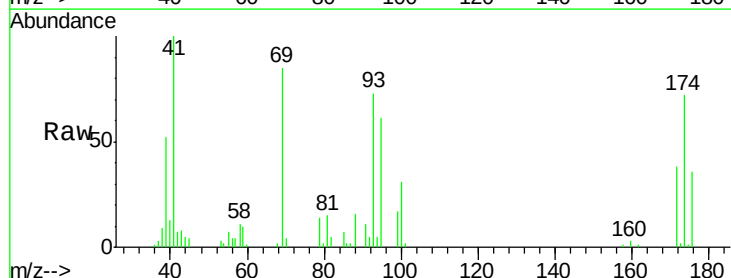
Tgt Ion: 93 Resp: 21929

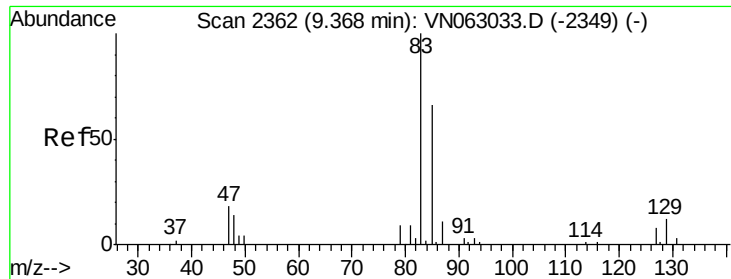
Ion Ratio Lower Upper

93 100

95 82.9 0.0 168.2

174 100.0 0.0 208.4





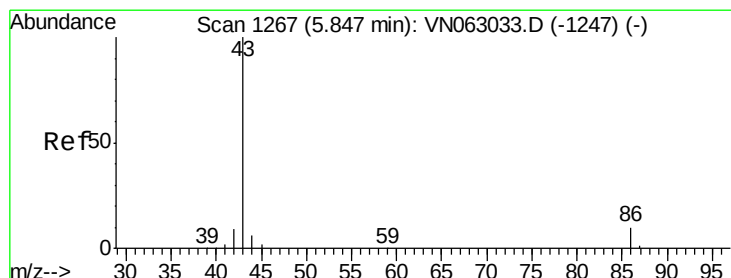
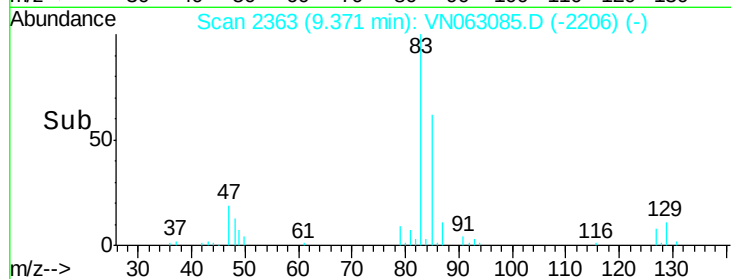
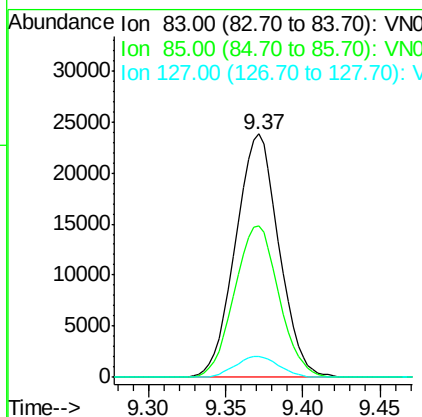
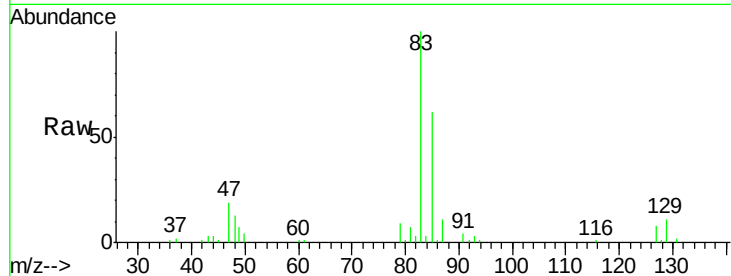
#41
 Bromodichloromethane
 Concen: 17.979 ug/l
 RT: 9.37 min Scan# 2363
 Delta R.T. 0.00 min
 Lab File: VN063085.D
 Acq: 21 Aug 2020 17:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	83	Resp	46463
Ion Ratio	100	Lower	Upper
83	100		
85	62.5	52.6	79.0
127	8.4	7.4	11.0

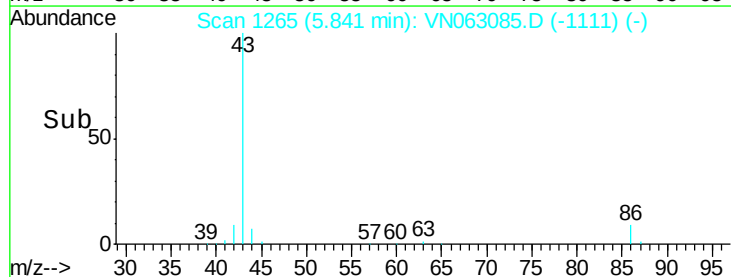
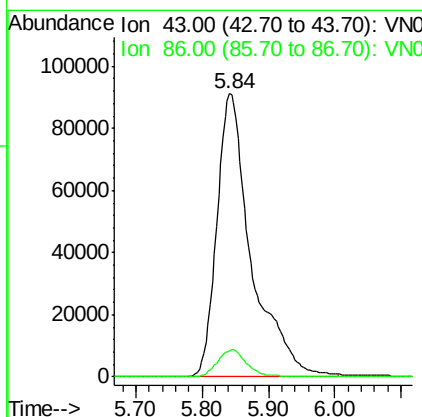
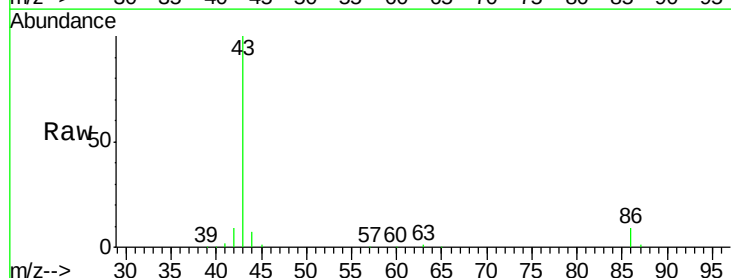
Manual Integrations
 APPROVED

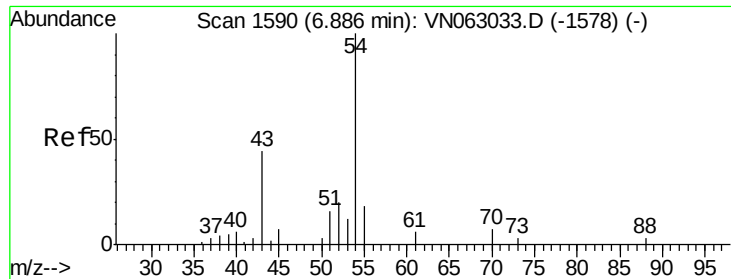
sam
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#42
 Vinyl Acetate
 Concen: 86.959 ug/l
 RT: 5.84 min Scan# 1265
 Delta R.T. -0.01 min
 Lab File: VN063085.D
 Acq: 21 Aug 2020 17:03

Tgt Ion	43	Resp	330660
Ion Ratio	100	Lower	Upper
43	100		
86	8.1	6.7	10.1





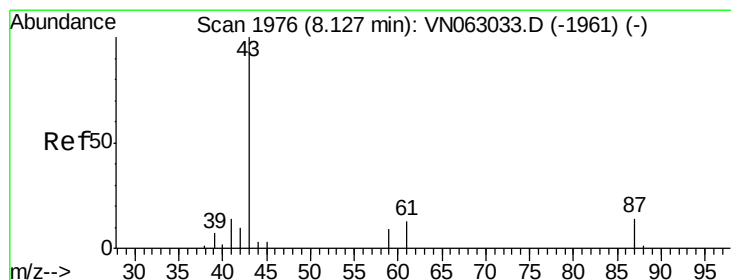
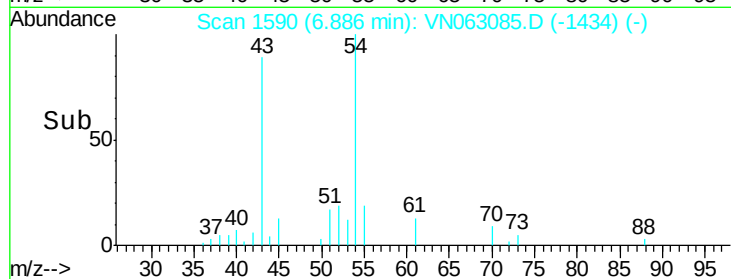
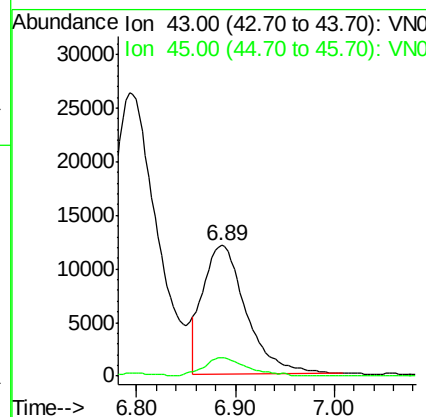
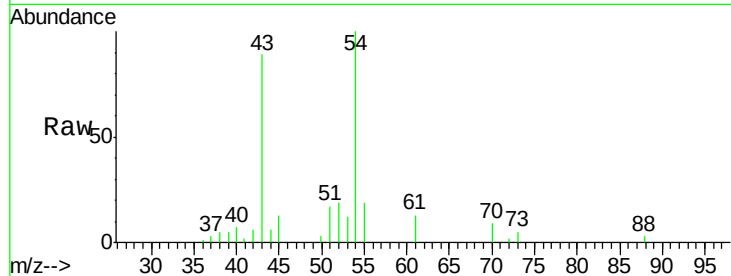
#43
Ethyl Acetate
Concen: 19.239 ug/l
RT: 6.89 min Scan# 1590
Delta R.T. -0.00 min
Lab File: VN063085.D
Acq: 21 Aug 2020 17:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	43	Resp	36860
Ion Ratio	100	Lower	Upper
43	100	11.3	16.9
45	14.0		

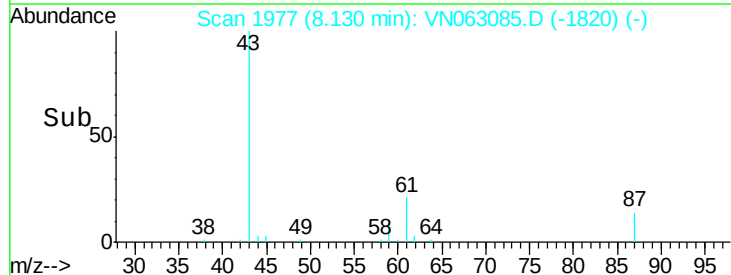
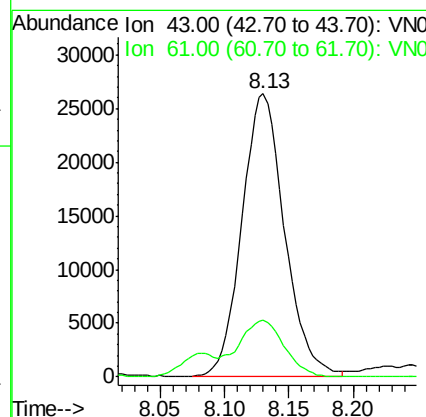
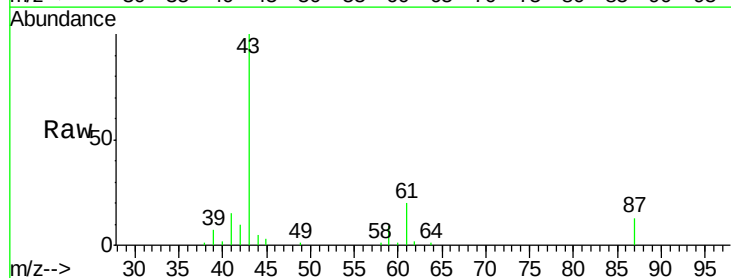
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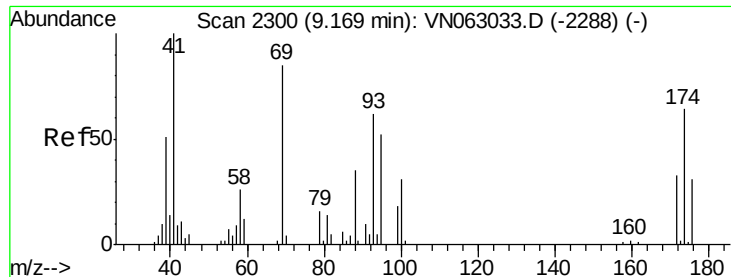
sam
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#44
Isopropyl Acetate
Concen: 18.936 ug/l
RT: 8.13 min Scan# 1977
Delta R.T. 0.00 min
Lab File: VN063085.D
Acq: 21 Aug 2020 17:03

Tgt Ion	43	Resp	60903
Ion Ratio	100	Lower	Upper
43	100	17.5	26.3
61	19.7		





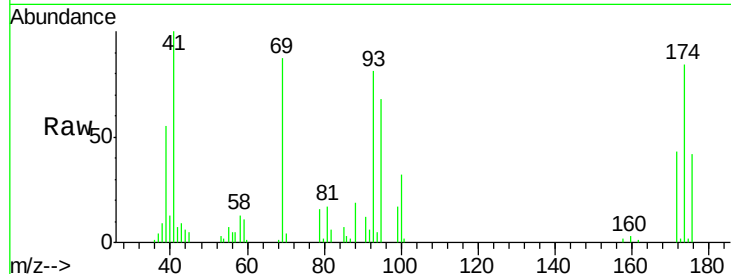
#45
 1,4-Dioxane
 Concen: 167.512 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. 0.01 min
 Lab File: VN063085.D
 Acq: 21 Aug 2020 17:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

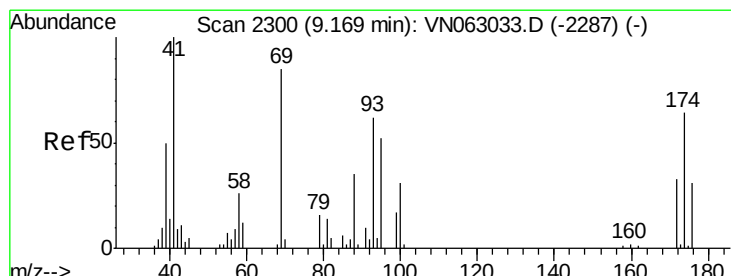
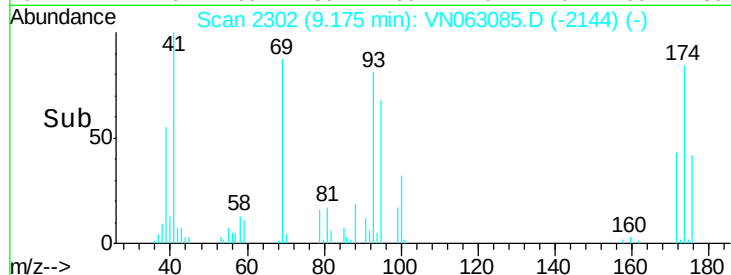
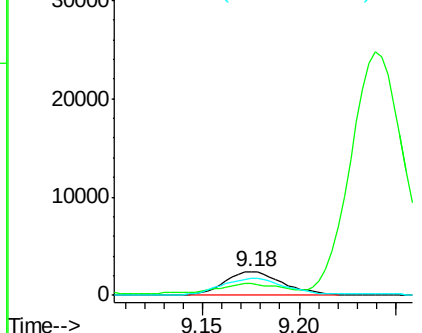
Tot Ion	Ratio	Lower	Upper
88	100		
43	45.1	28.5	42.7#
58	78.1	59.6	89.4

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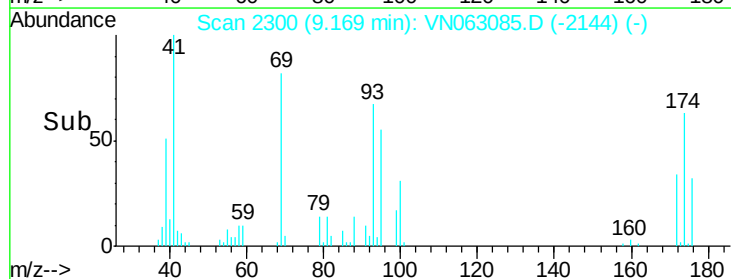
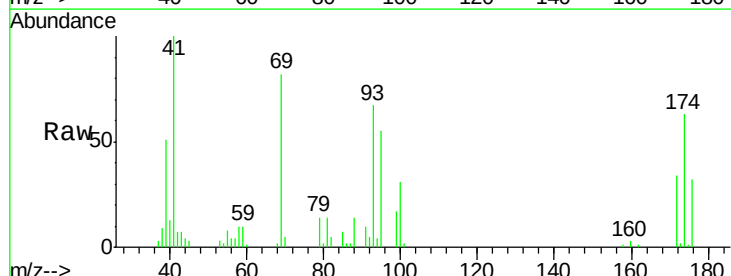
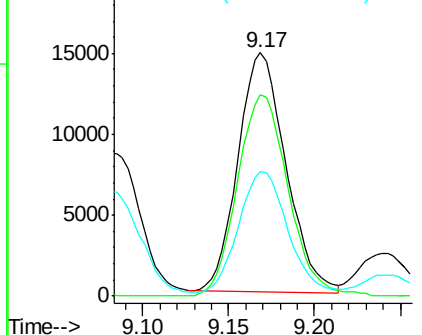
Abundance Ion 88.00 (87.70 to 88.70): VN063033.D (-2288) (-)
 Ion 43.00 (42.70 to 43.70): VN063033.D (-2288) (-)
 Ion 58.00 (57.70 to 58.70): VN063033.D (-2288) (-)

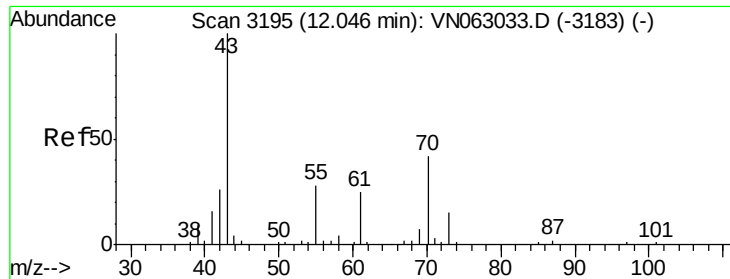


#46
 Methyl methacrylate
 Concen: 18.138 ug/l
 RT: 9.17 min Scan# 2300
 Delta R.T. -0.00 min
 Lab File: VN063085.D
 Acq: 21 Aug 2020 17:03

Tgt Ion	Ratio	Lower	Upper
41	100		
69	84.3	42.6	128.0
39	50.5	25.1	75.4

Abundance Ion 41.00 (40.70 to 41.70): VN063033.D (-2287) (-)
 Ion 69.00 (68.70 to 69.70): VN063033.D (-2287) (-)
 Ion 39.00 (38.70 to 39.70): VN063033.D (-2287) (-)





#47

n-amvl Acetate

Concen: 18.615 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. -0.00 min

Lab File: VN063085.D

Acq: 21 Aug 2020 17:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 43 Resp: 53139

Ion Ratio Lower Upper

43 100

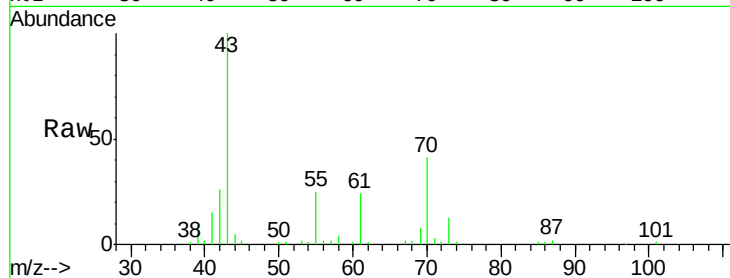
55 25.1 21.2 31.8

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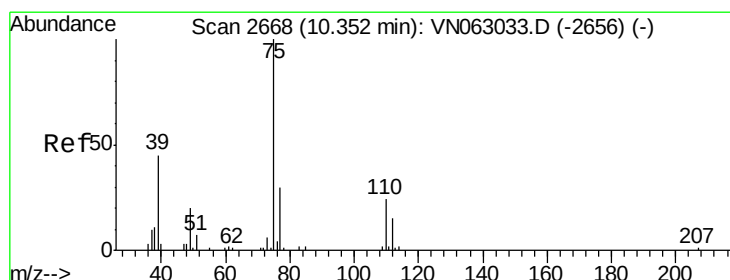
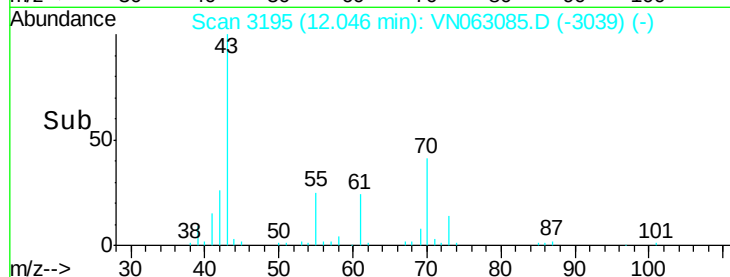
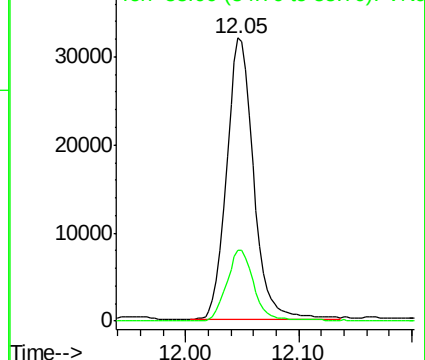
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#48

t-1,3-Dichloropropene

Concen: 17.622 ug/l

RT: 10.36 min Scan# 2669

Delta R.T. 0.00 min

Lab File: VN063085.D

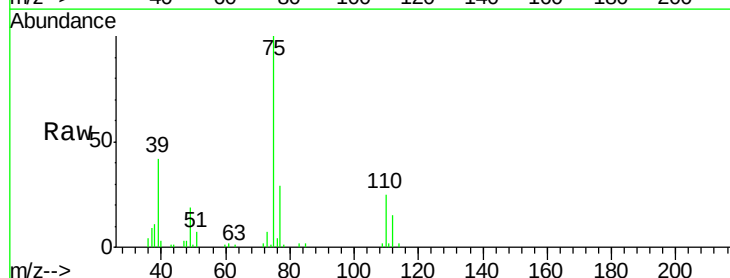
Acq: 21 Aug 2020 17:03

Tgt Ion: 75 Resp: 48096

Ion Ratio Lower Upper

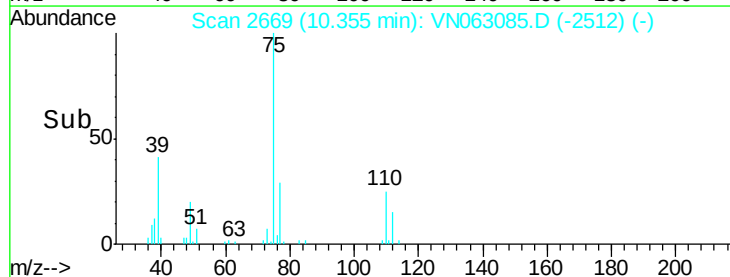
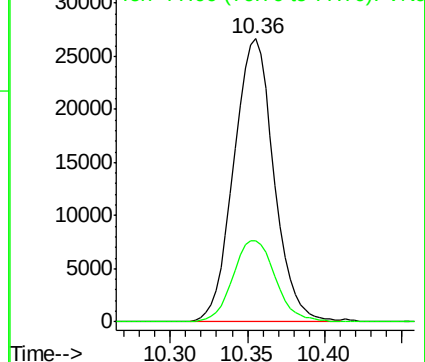
75 100

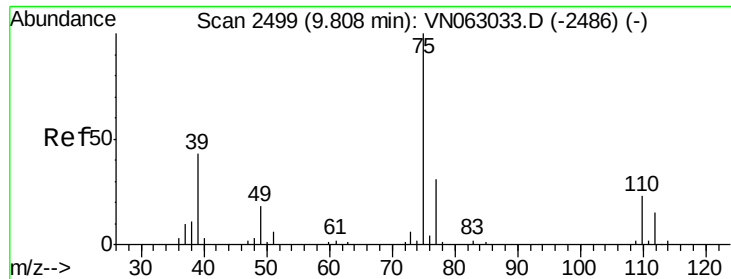
77 28.8 23.8 35.8



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





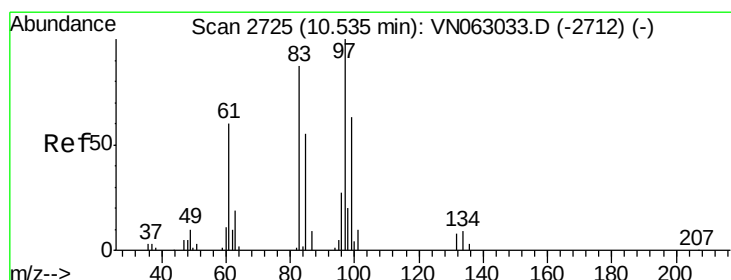
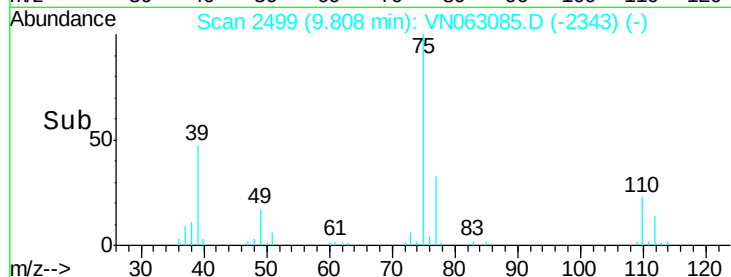
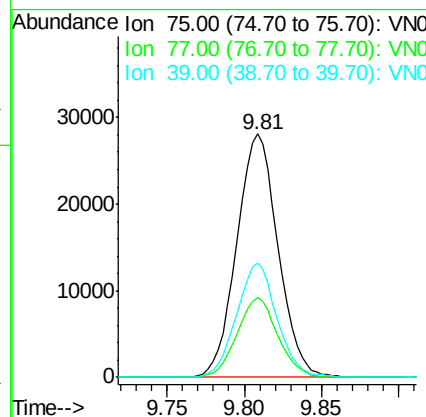
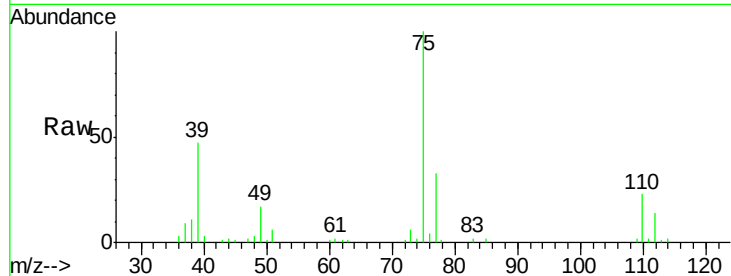
#49
 cis-1,3-Dichloropropene
 Concen: 17.515 ug/l
 RT: 9.81 min Scan# 2499
 Delta R.T. -0.00 min
 Lab File: VN063085.D
 Acq: 21 Aug 2020 17:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:	75	Resp:	52035
Ion Ratio	Lower	Upper	
75	100		
77	32.7	24.8	37.2
39	46.8	34.5	51.7

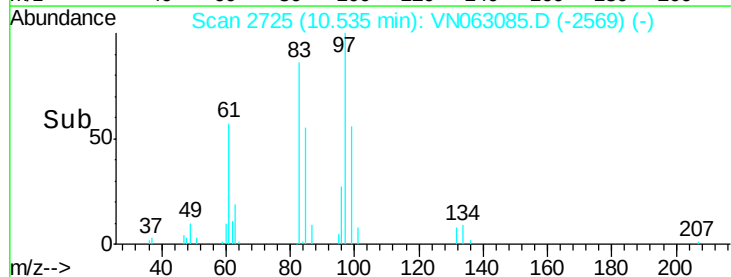
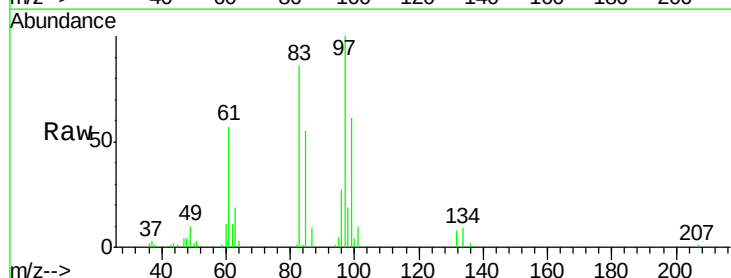
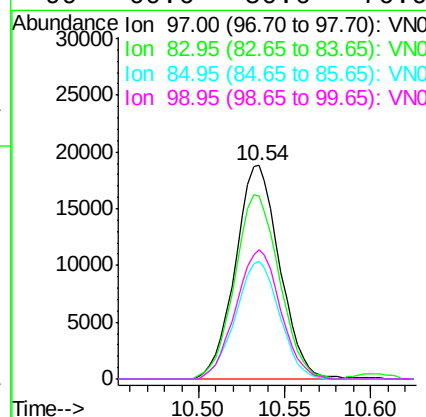
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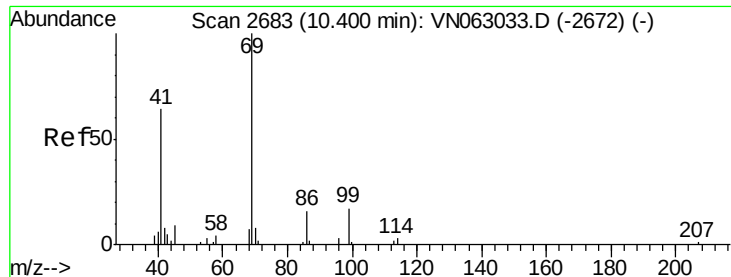
sam
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#50
 1,1,2-Trichloroethane
 Concen: 18.762 ug/l
 RT: 10.54 min Scan# 2725
 Delta R.T. 0.00 min
 Lab File: VN063085.D
 Acq: 21 Aug 2020 17:03

Tgt Ion:	97	Resp:	33736
Ion Ratio	Lower	Upper	
97	100		
83	85.8	69.9	104.9
85	55.3	44.0	66.0
99	60.6	50.6	76.0





#51

Ethyl methacrylate

Concen: 17.586 ug/l

RT: 10.40 min Scan# 2684

Delta R.T. 0.00 min

Lab File: VN063085.D

Acq: 21 Aug 2020 17:03

Instrument :

MSVOA_N

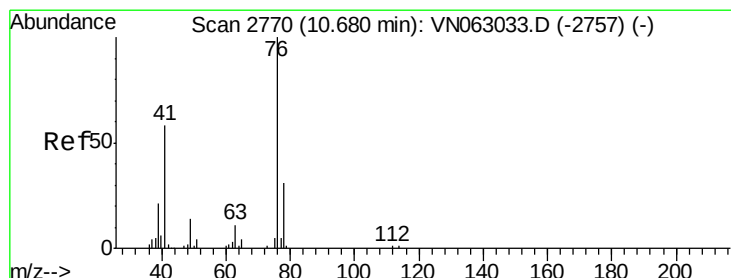
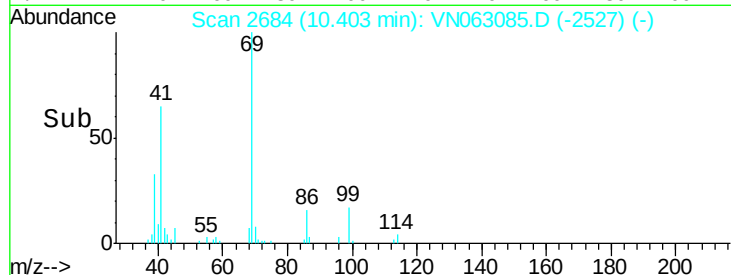
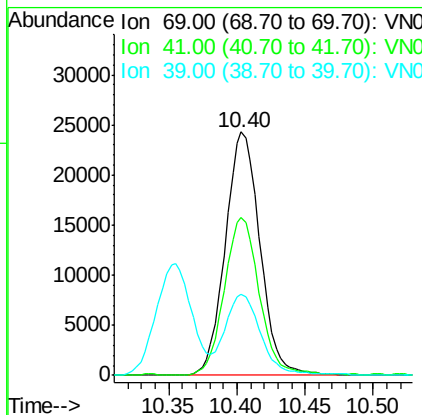
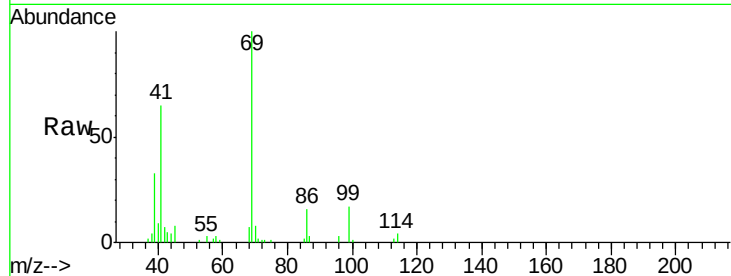
ClientSampleId :

VSTDCCC020EC

Tot Ion:	69	Resp:	43022
Ion	Ratio	Lower	Upper
69	100		
41	65.0	32.1	96.5
39	32.6	16.1	48.3

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#52

1,3-Dichloropropane

Concen: 18.600 ug/l

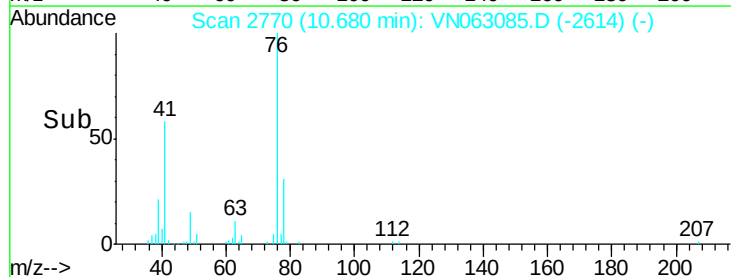
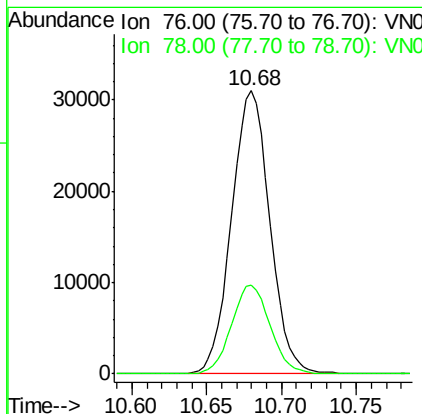
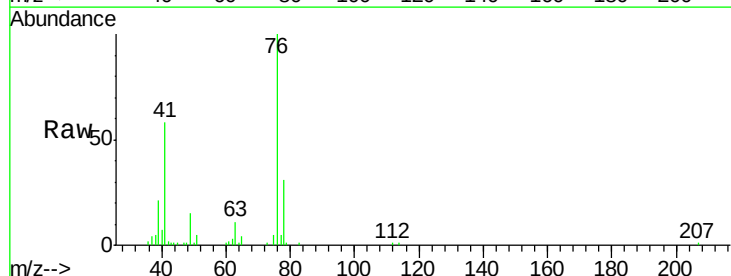
RT: 10.68 min Scan# 2770

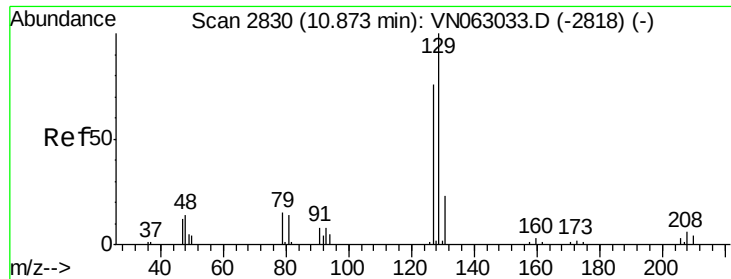
Delta R.T. -0.00 min

Lab File: VN063085.D

Acq: 21 Aug 2020 17:03

Tgt Ion:	76	Resp:	55254
Ion	Ratio	Lower	Upper
76	100		
78	31.5	0.0	63.2





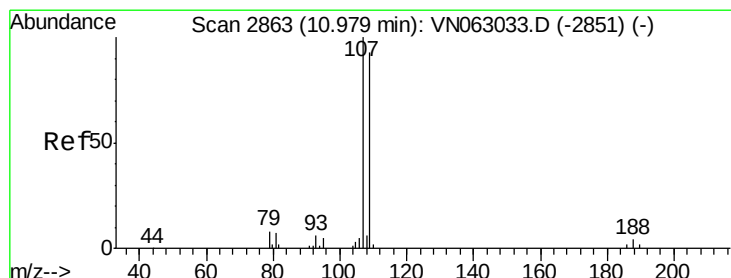
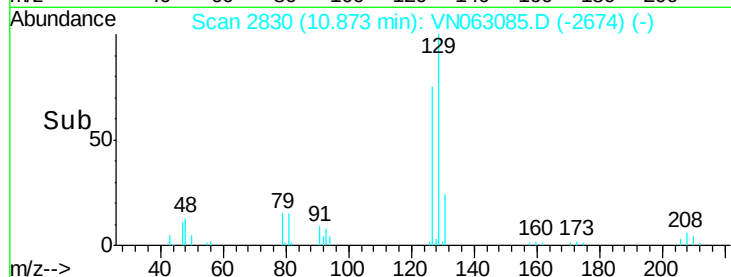
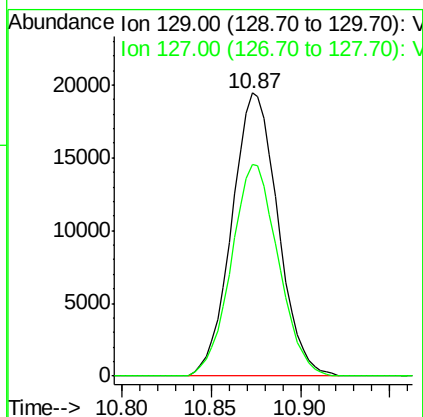
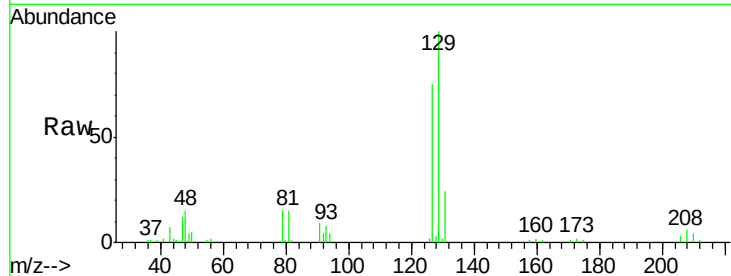
#53
 Dibromochloromethane
 Concen: 17.738 ug/l
 RT: 10.87 min Scan# 2830
 Delta R.T. -0.00 min
 Lab File: VN063085.D
 Acq: 21 Aug 2020 17:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:129 Resp: 34999
 Ion Ratio Lower Upper
 129 100
 127 76.0 38.7 116.1

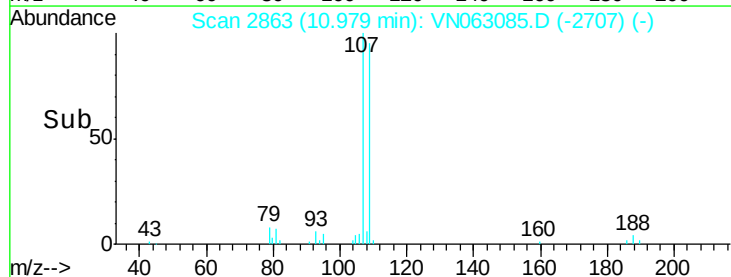
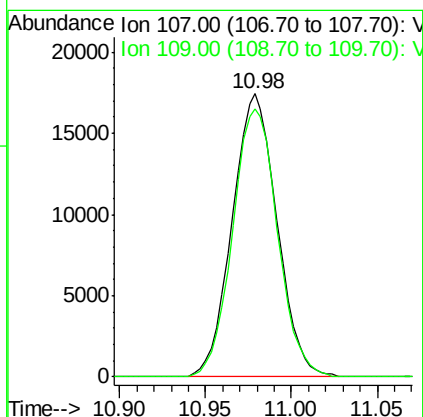
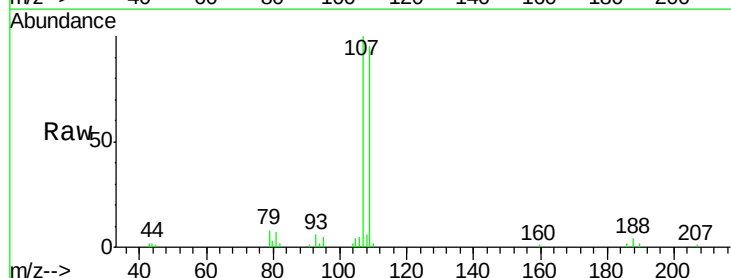
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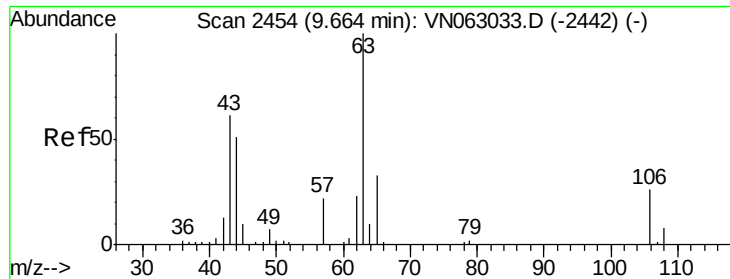
sam
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#54
 1,2-Dibromoethane
 Concen: 18.319 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. -0.00 min
 Lab File: VN063085.D
 Acq: 21 Aug 2020 17:03

Tgt Ion:107 Resp: 31599
 Ion Ratio Lower Upper
 107 100
 109 94.8 76.3 114.5





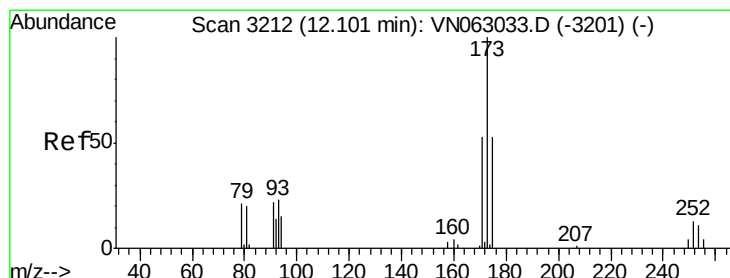
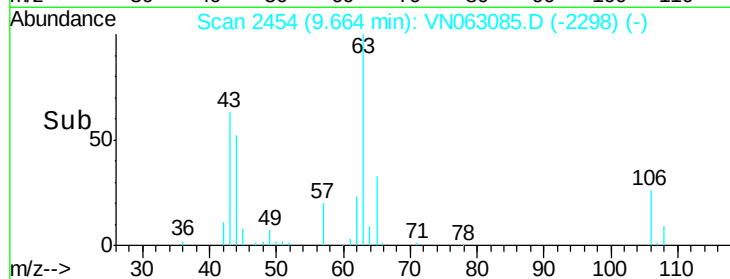
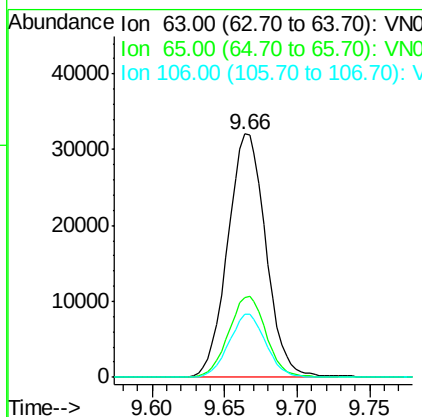
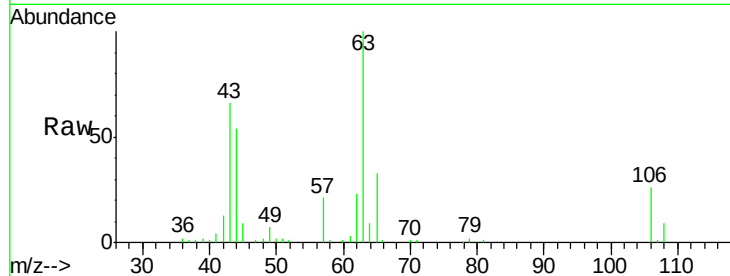
#55
2-Chloroethyl vinyl ether
Concen: 116.611 ug/l
RT: 9.66 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VN063085.D
Acq: 21 Aug 2020 17:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.5	25.9	38.9
106	24.8	19.9	29.9

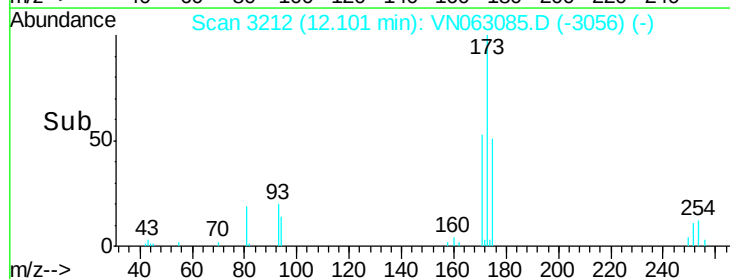
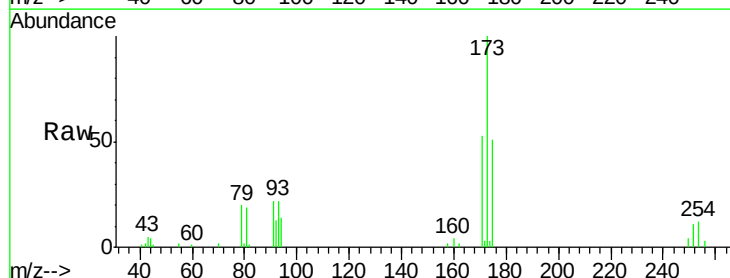
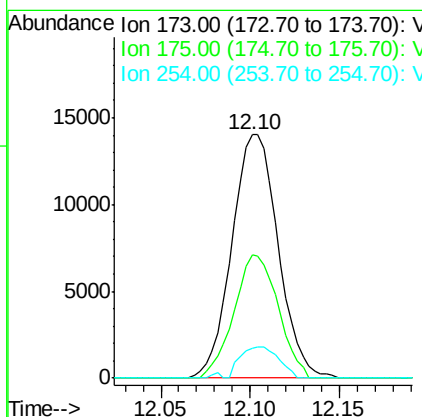
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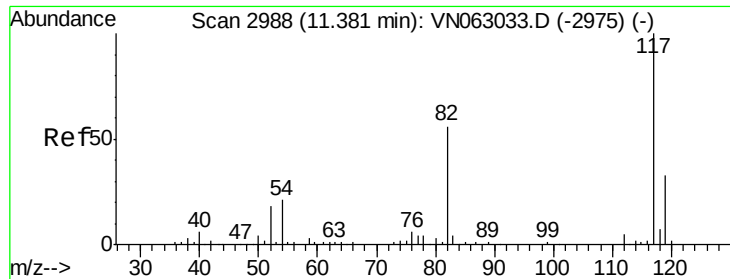
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#56
Bromoform
Concen: 17.514 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. -0.00 min
Lab File: VN063085.D
Acq: 21 Aug 2020 17:03

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.3	41.2	61.8
254	10.8	9.0	13.4





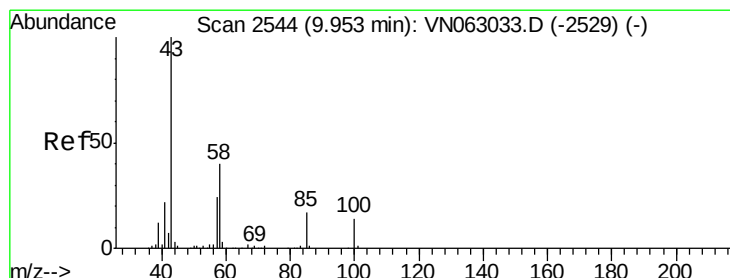
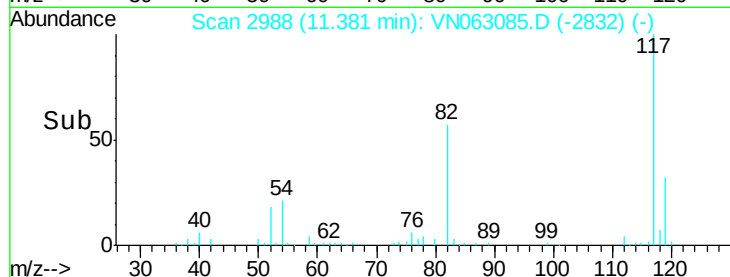
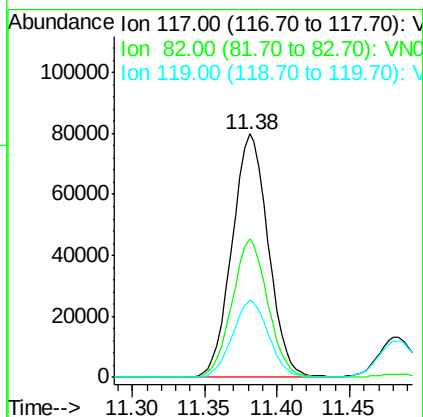
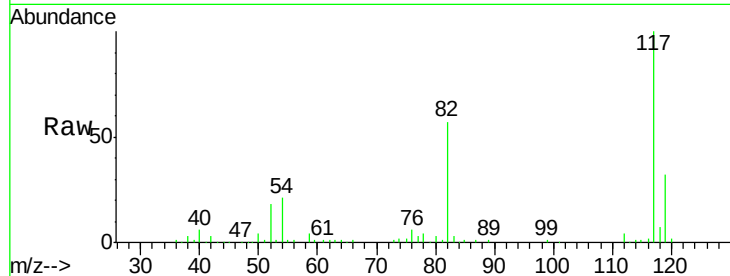
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN063085.D
Acq: 21 Aug 2020 17:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.0	44.9	67.3
119	31.4	26.0	39.0

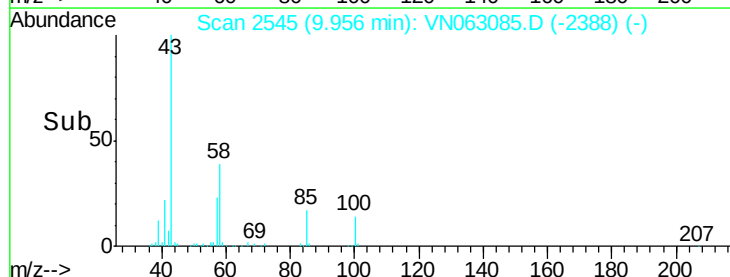
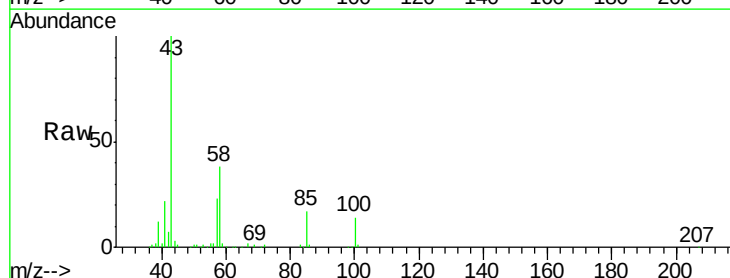
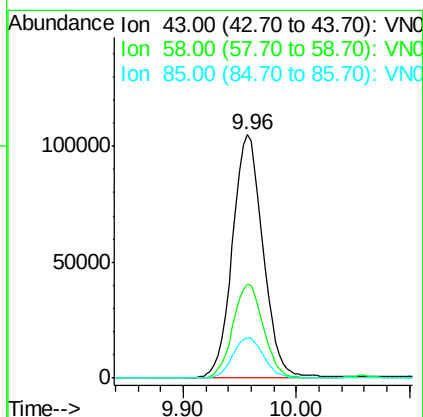
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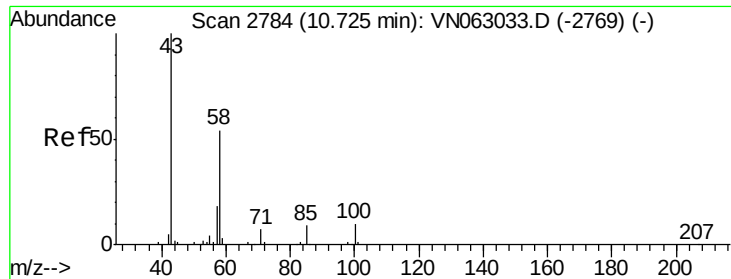
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#58
4-Methyl-2-Pentanone
Concen: 98.623 ug/l
RT: 9.96 min Scan# 2545
Delta R.T. 0.00 min
Lab File: VN063085.D
Acq: 21 Aug 2020 17:03

Tgt Ion	Ratio	Lower	Upper
43	100		
58	38.8	31.4	47.0
85	16.8	13.4	20.2





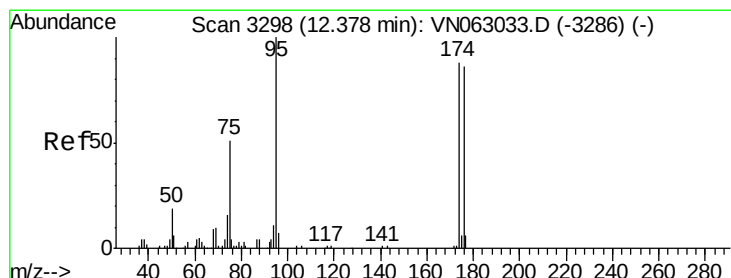
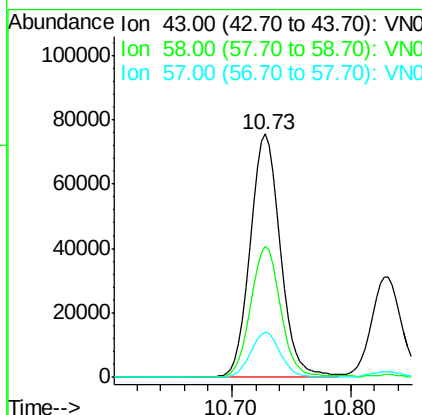
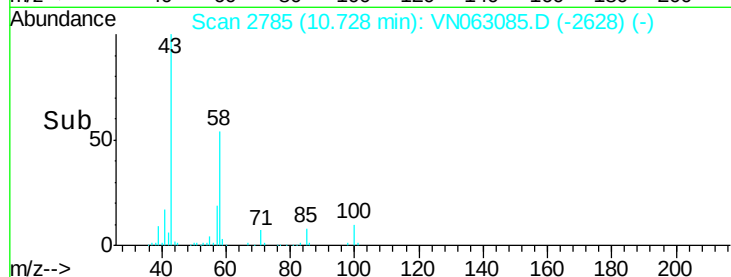
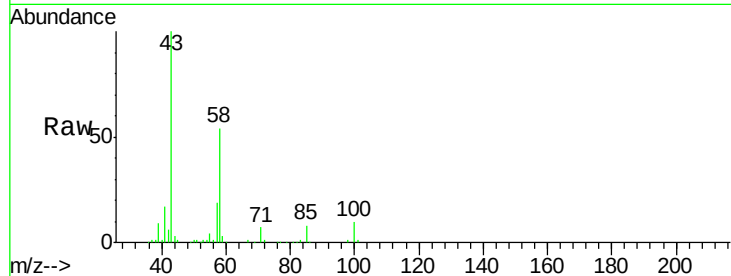
#59
2-Hexanone
Concen: 92.727 ug/l
RT: 10.73 min Scan# 2785
Delta R.T. 0.00 min
Lab File: VN063085.D
Acq: 21 Aug 2020 17:03

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.1	42.6	64.0
57	18.5	14.6	21.8

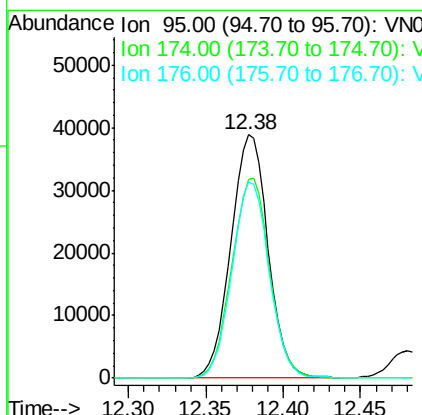
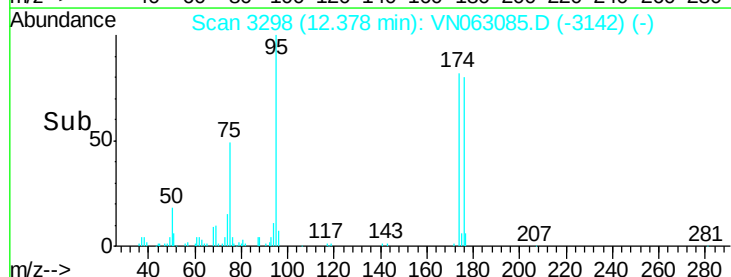
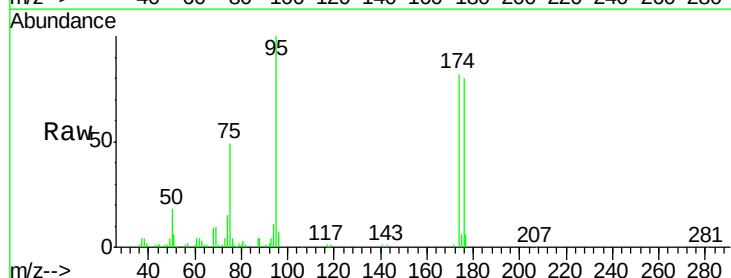
Manual Integrations
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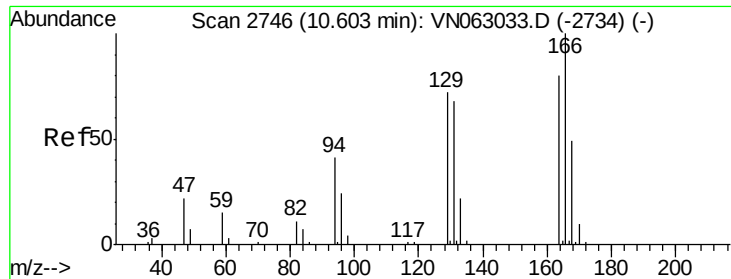
sam
8/24/2020 5:52:39 PM



#60
4-Bromofluorobenzene
Concen: 29.562 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN063085.D
Acq: 21 Aug 2020 17:03

Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.8	70.1	105.1
176	80.5	66.8	100.2





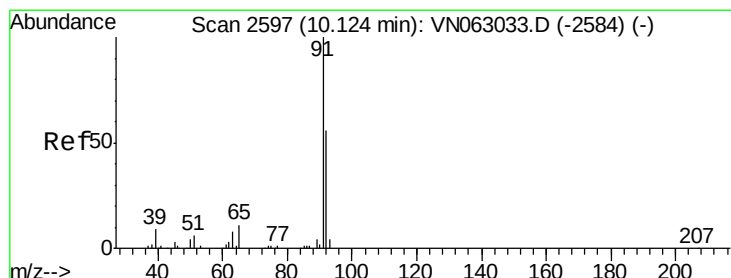
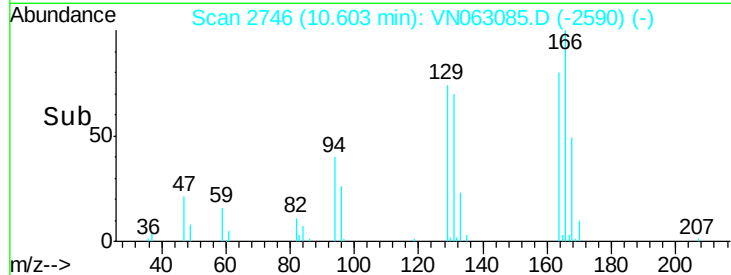
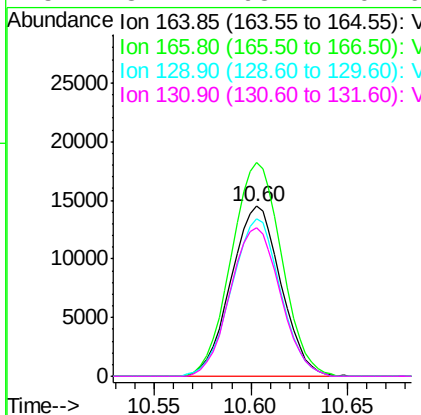
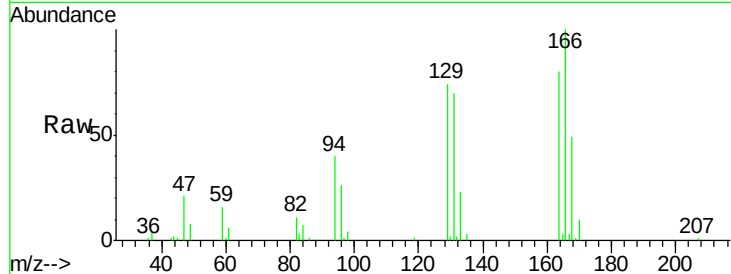
#61
 Tetrachloroethene
 Concen: 17.161 ug/l
 RT: 10.60 min Scan# 2746
 Delta R.T. -0.00 min
 Lab File: VN063085.D
 Acq: 21 Aug 2020 17:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	164	Resp	26052
Ion	Ratio	Lower	Upper
164	100		
166	125.8	100.1	150.1
129	92.7	72.5	108.7
131	87.7	68.4	102.6

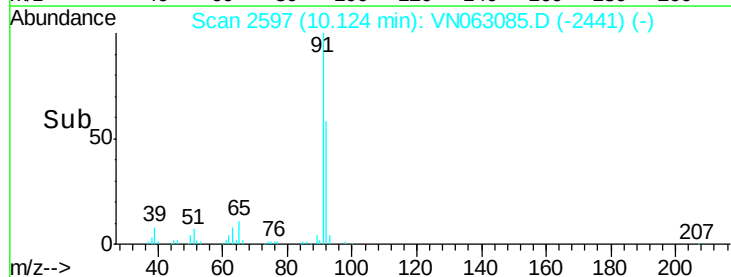
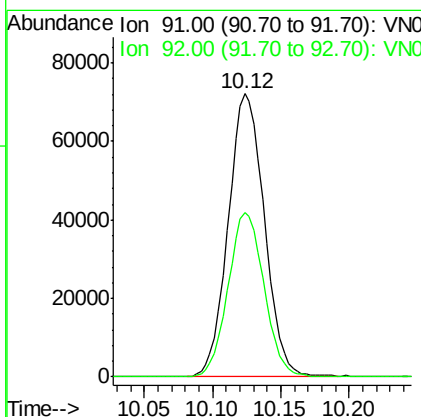
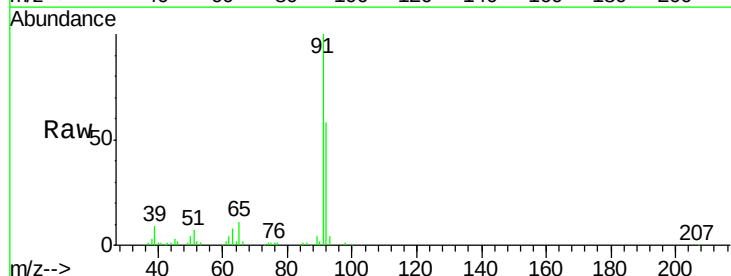
Manual Integrations
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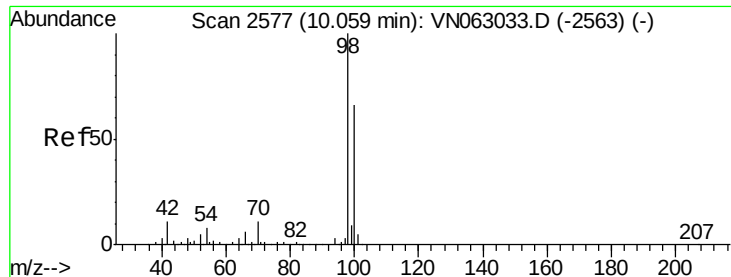
sam
 8/24/2020 5:52:39 PM



#62
 Toluene
 Concen: 18.118 ug/l
 RT: 10.12 min Scan# 2597
 Delta R.T. -0.00 min
 Lab File: VN063085.D
 Acq: 21 Aug 2020 17:03

Tgt Ion	91	Resp	132975
Ion	Ratio	Lower	Upper
91	100		
92	57.7	45.5	68.3





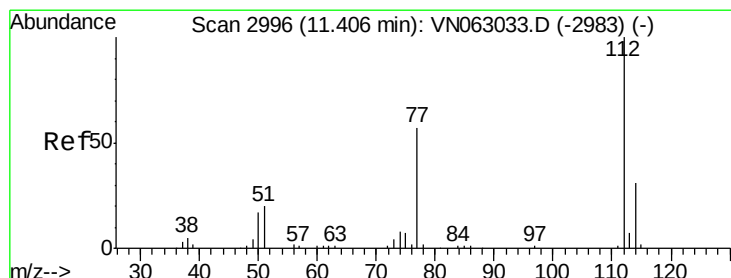
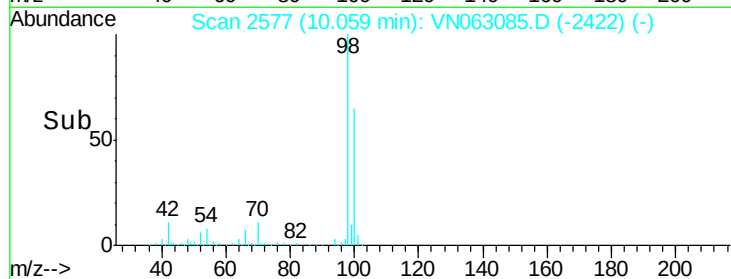
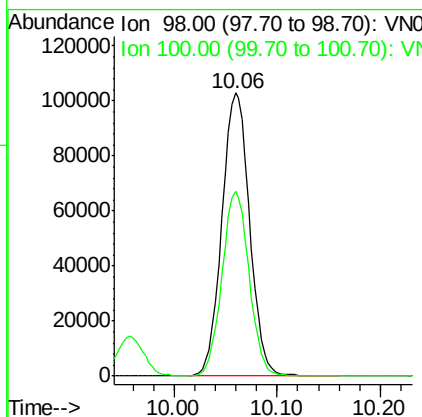
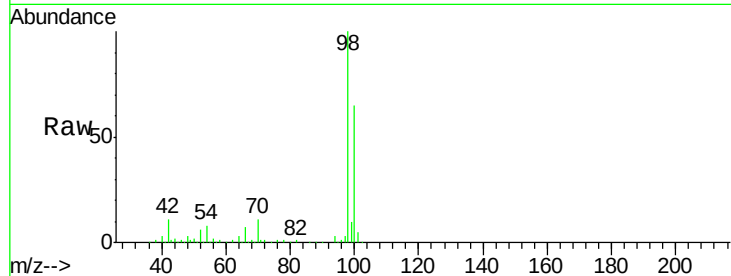
#63
Toluene-d8
Concen: 30.325 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN063085.D
Acq: 21 Aug 2020 17:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 98 Resp: 192728
Ion Ratio Lower Upper
98 100
100 63.3 51.4 77.2

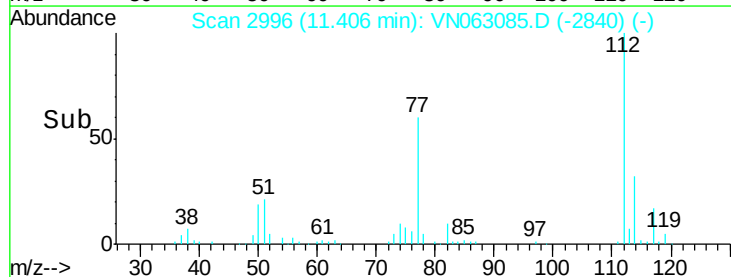
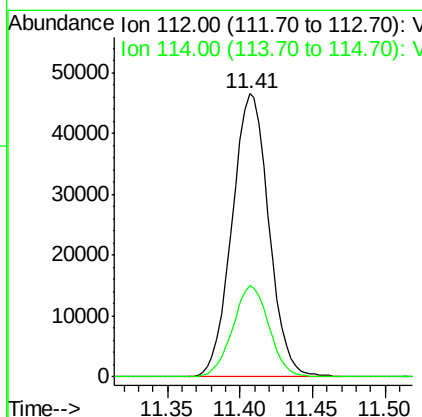
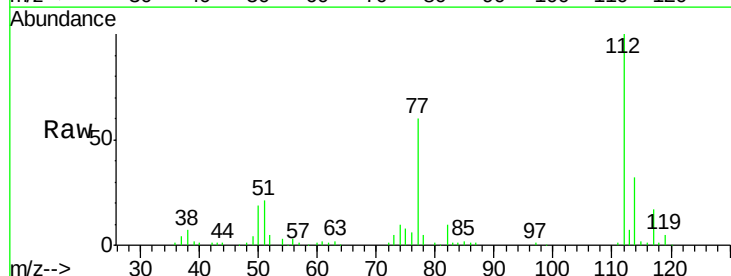
Manual Integrations
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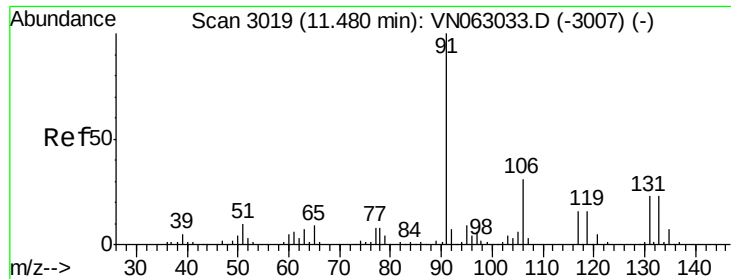
sam
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#64
Chlorobenzene
Concen: 18.060 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN063085.D
Acq: 21 Aug 2020 17:03

Tgt Ion: 112 Resp: 82015
Ion Ratio Lower Upper
112 100
114 32.2 25.1 37.7





#65

1,1,1,2-Tetrachloroethane

Concen: 18.241 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. 0.00 min

Lab File: VN063085.D

Acq: 21 Aug 2020 17:03

Instrument :

MSVOA_N

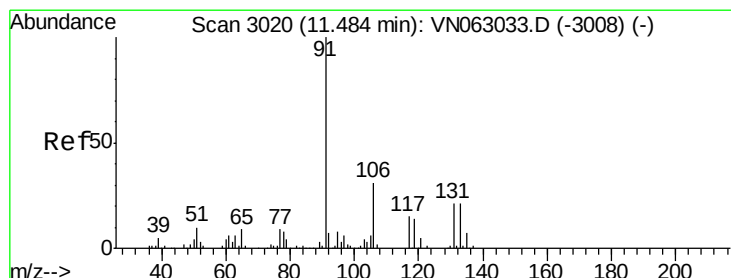
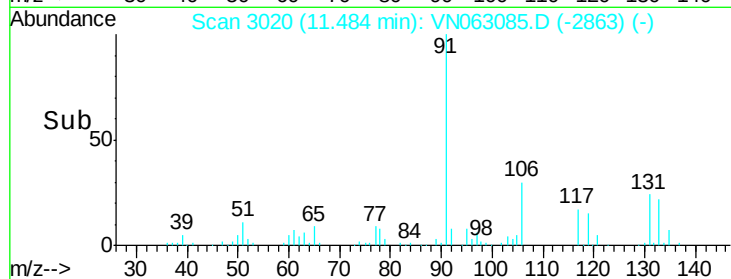
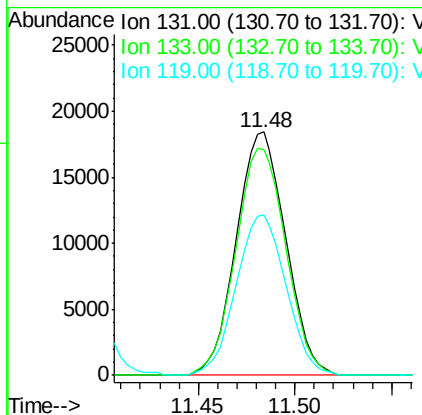
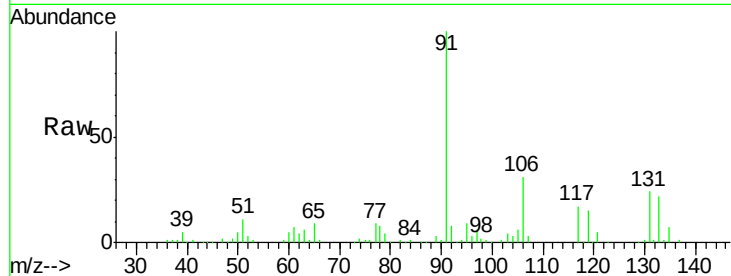
ClientSampleId :

VSTDCCC020EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
131	100		32833		
133	94.6	0.0	191.2		
119	66.5	0.0	134.2		

Manual Integrations
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#66

Ethyl Benzene

Concen: 17.080 ug/l

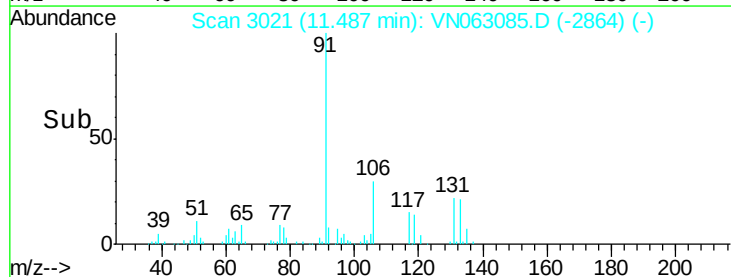
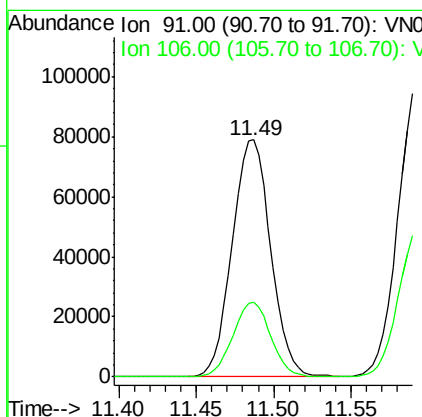
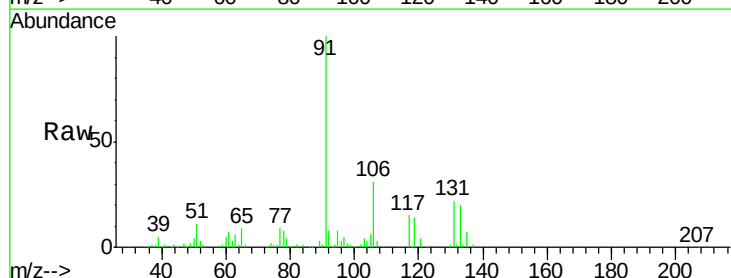
RT: 11.49 min Scan# 3021

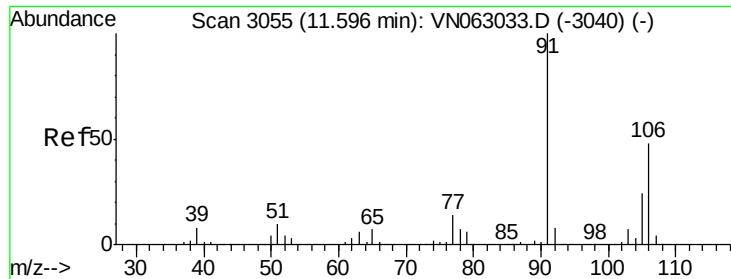
Delta R.T. 0.00 min

Lab File: VN063085.D

Acq: 21 Aug 2020 17:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		136643		
106	31.3	25.0	37.4		





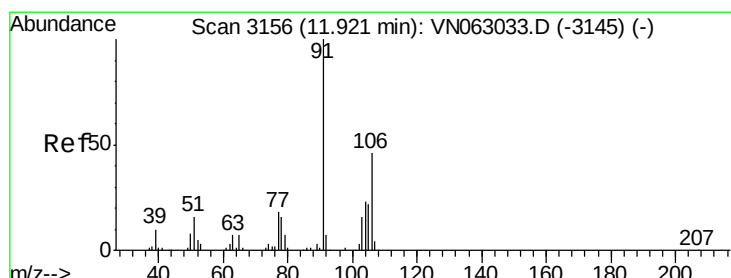
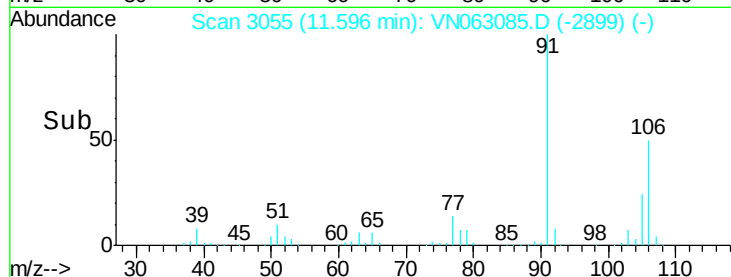
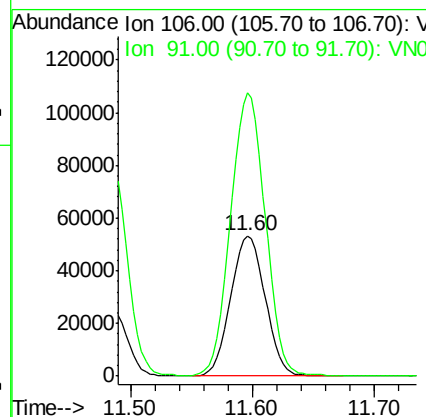
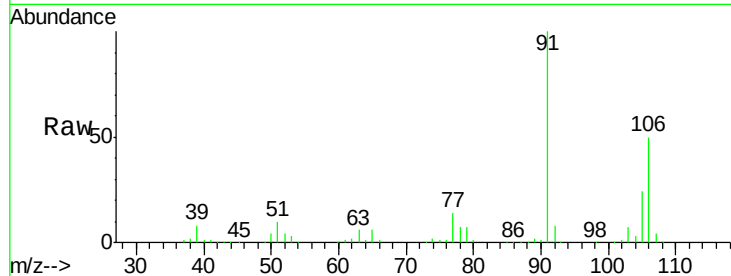
#67
m/p-Xylenes
Concen: 35.147 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN063085.D
Acq: 21 Aug 2020 17:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:106 Resp: 105338
Ion Ratio Lower Upper
106 100
91 201.0 164.9 247.3

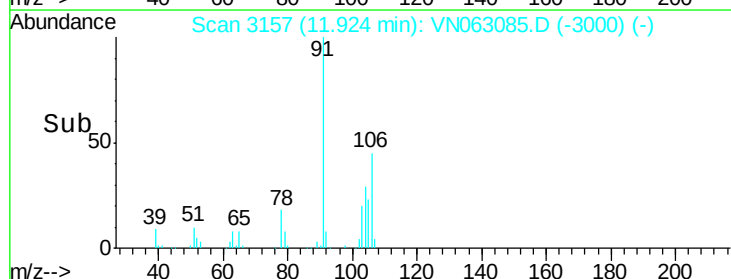
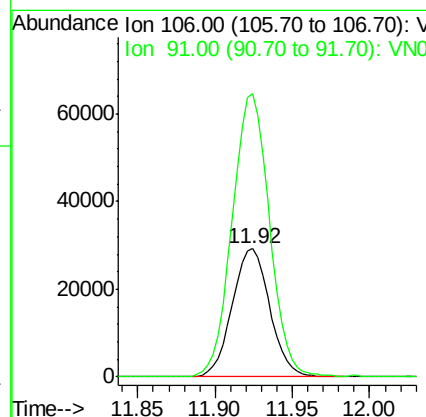
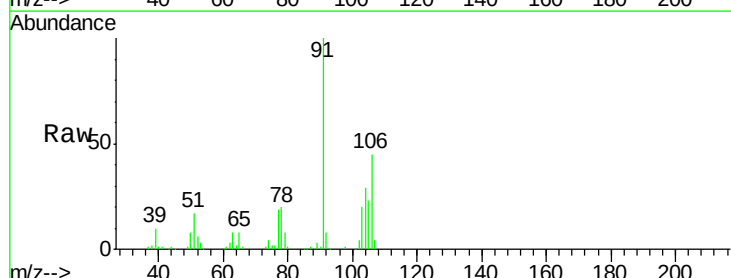
Manual Integrations
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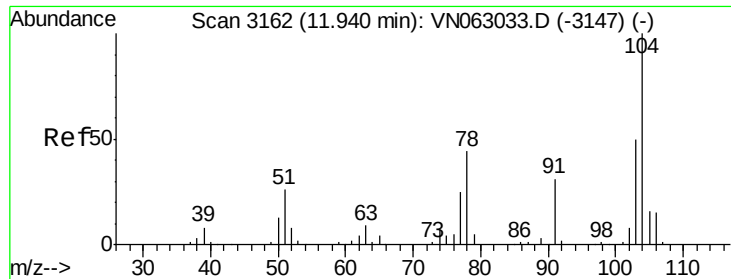
sam
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#68
o-Xylene
Concen: 17.184 ug/l
RT: 11.92 min Scan# 3157
Delta R.T. 0.00 min
Lab File: VN063085.D
Acq: 21 Aug 2020 17:03

Tgt Ion:106 Resp: 49473
Ion Ratio Lower Upper
106 100
91 218.2 108.0 324.0





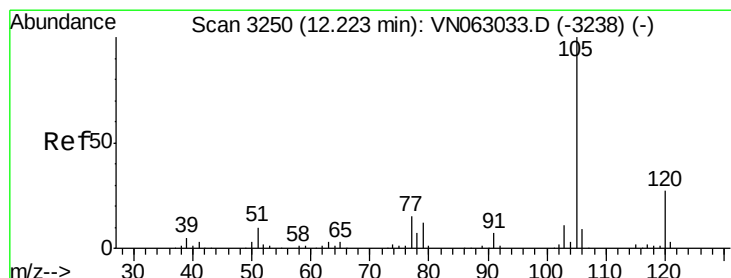
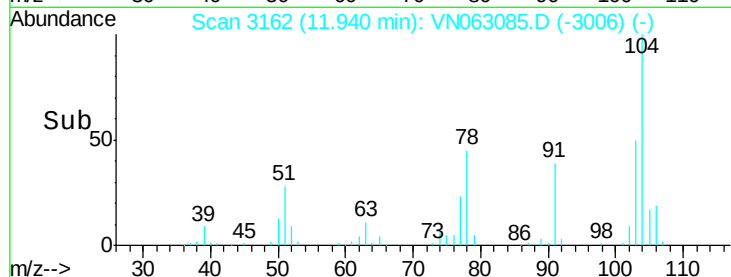
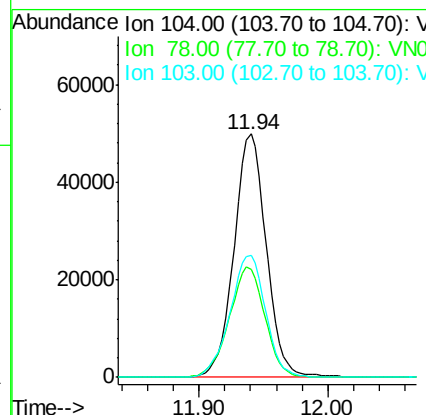
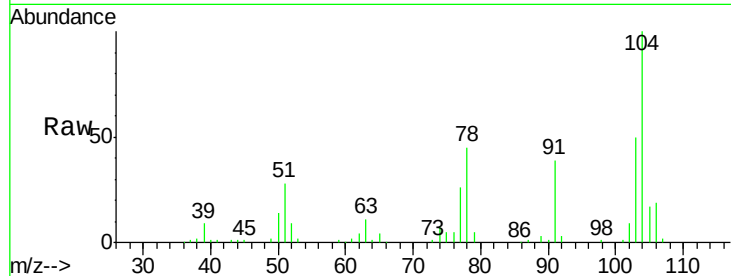
#69
Stvrene
Concen: 17.299 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN063085.D
Acq: 21 Aug 2020 17:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	49.9	39.6	59.4
103	54.8	44.4	66.6

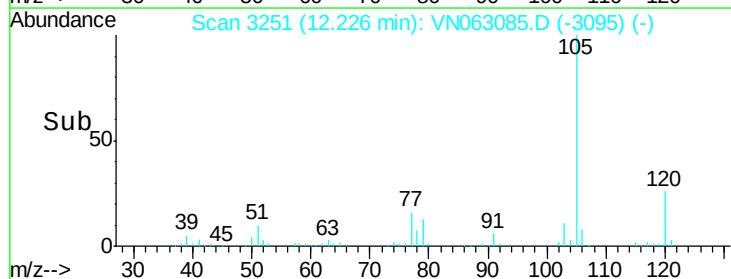
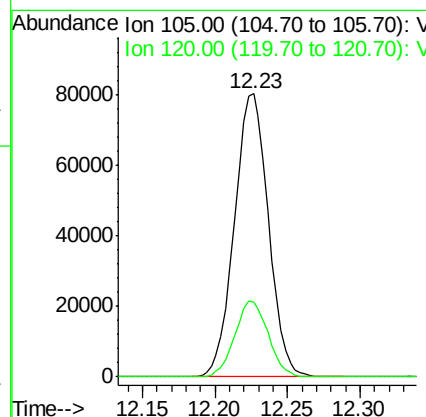
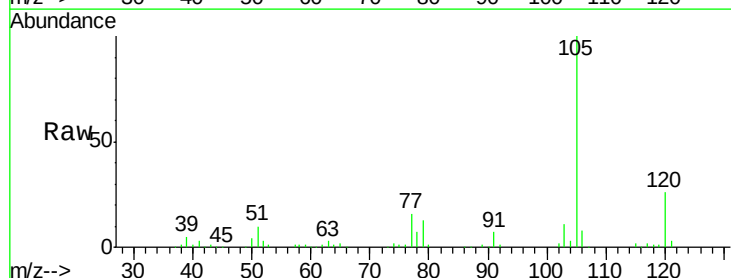
Manual Integrations
APPROVED

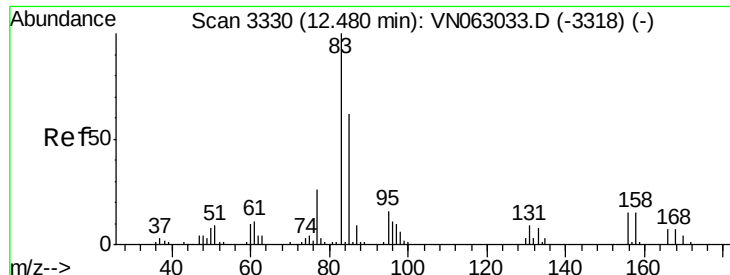
sam
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#70
Isopropylbenzene
Concen: 16.668 ug/l
RT: 12.23 min Scan# 3251
Delta R.T. 0.00 min
Lab File: VN063085.D
Acq: 21 Aug 2020 17:03

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.3	18.5	34.3





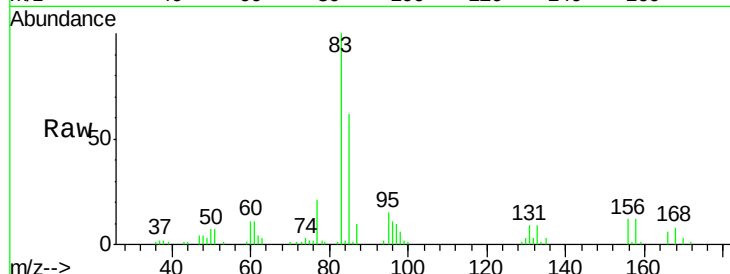
#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.115 ug/l
 RT: 12.48 min Scan# 3330
 Delta R.T. -0.00 min
 Lab File: VN063085.D
 Acq: 21 Aug 2020 17:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

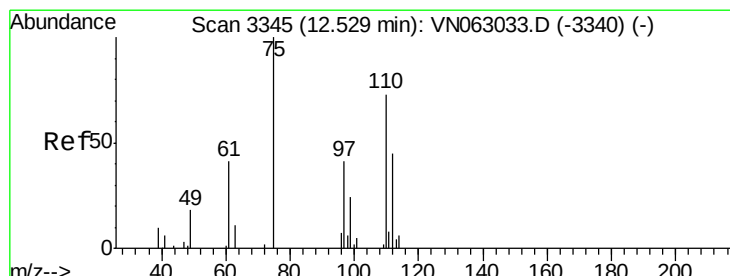
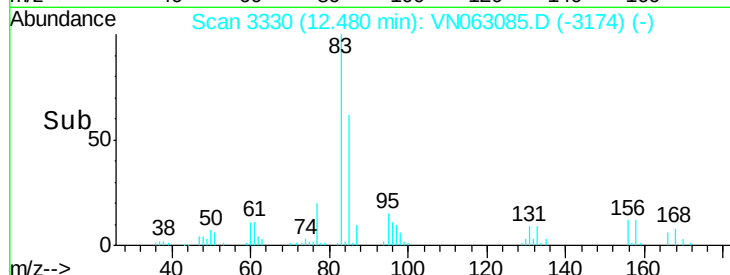
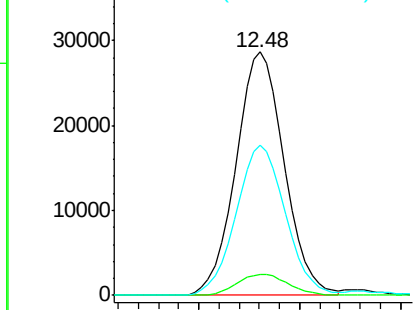
Tot Ion	83	Resp	48008
Ion Ratio	100	Lower	Upper
83	100		
131	9.1	4.5	13.7
85	62.9	31.8	95.3

Manual Integrations
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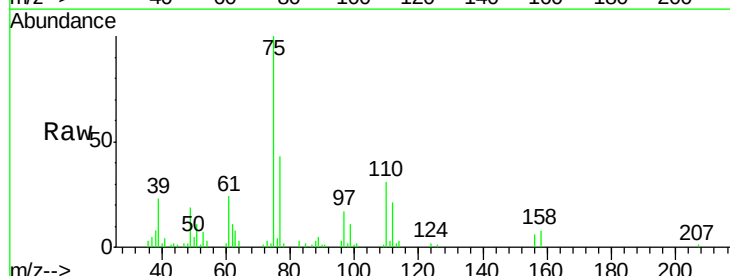


Abundance Ion 83.00 (82.70 to 83.70): VN063085.D (-3174) (-)
 Ion 131.00 (130.70 to 131.70): VN063085.D (-3174) (-)
 Ion 85.00 (84.70 to 85.70): VN063085.D (-3174) (-)

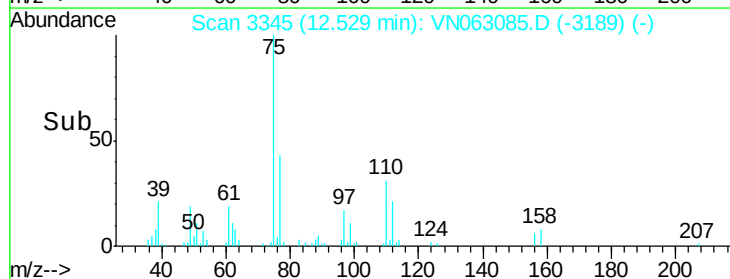
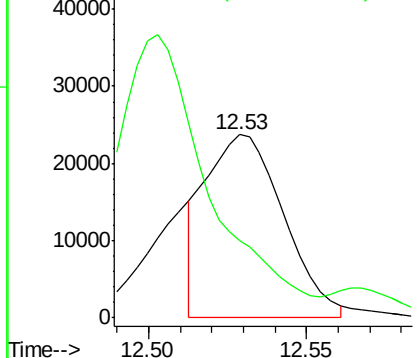


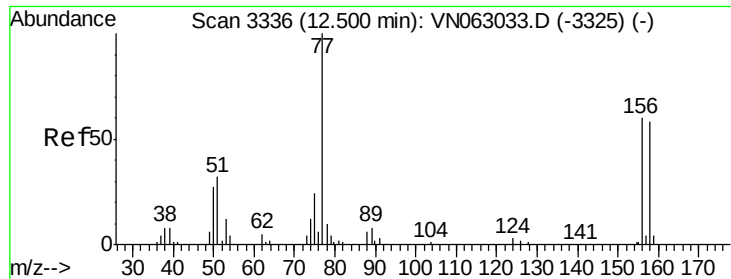
#72
 1,2,3-Trichloropropane
 Concen: 18.379 ug/l m
 RT: 12.53 min Scan# 3345
 Delta R.T. -0.00 min
 Lab File: VN063085.D
 Acq: 21 Aug 2020 17:03

Tgt Ion	75	Resp	40959
Ion Ratio	100	Lower	Upper
75	100		
77	186.2	0.0	387.8



Abundance Ion 75.00 (74.70 to 75.70): VN063085.D (-3189) (-)
 Ion 77.00 (76.70 to 77.70): VN063085.D (-3189) (-)





#73

Bromobenzene

Concen: 17.382 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN063085.D

Acq: 21 Aug 2020 17:03

Instrument :

MSVOA_N

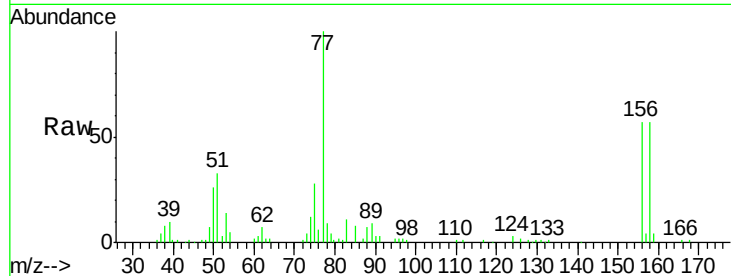
ClientSampleId :

VSTDCCC020EC

Tot Ion:	156	Resp:	36712
Ion Ratio	Lower	Upper	
156	100		
77	207.8	0.0	398.6
158	98.0	0.0	195.4

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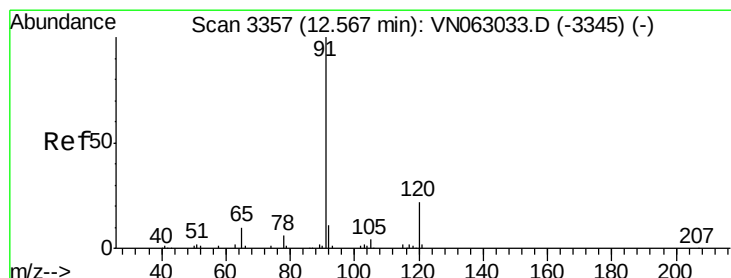
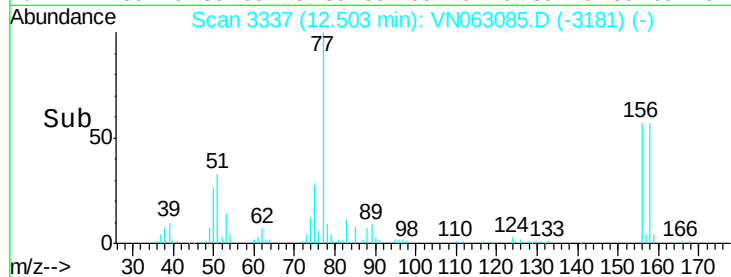
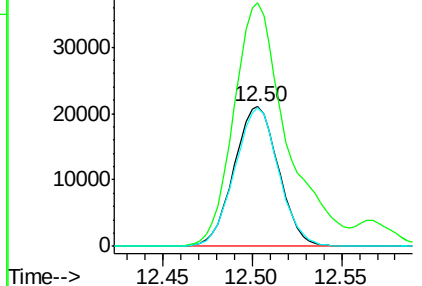
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Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 15.831 ug/l

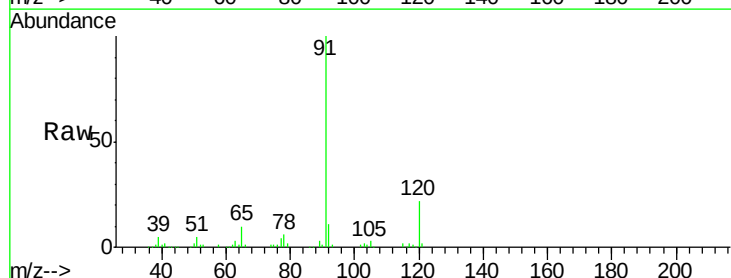
RT: 12.57 min Scan# 3357

Delta R.T. -0.00 min

Lab File: VN063085.D

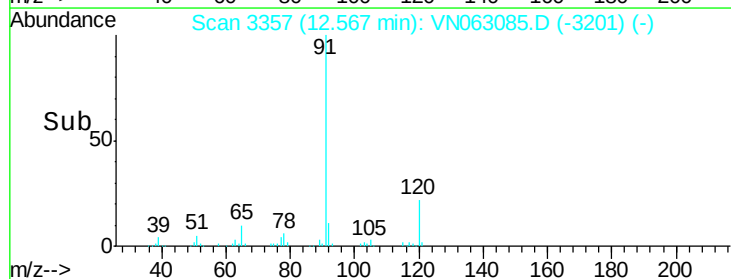
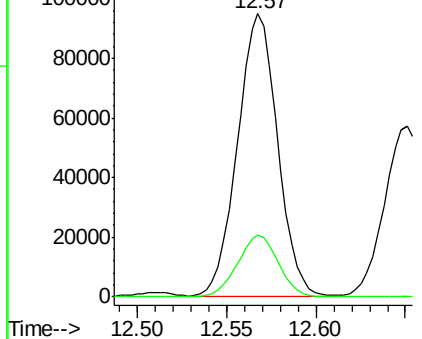
Acq: 21 Aug 2020 17:03

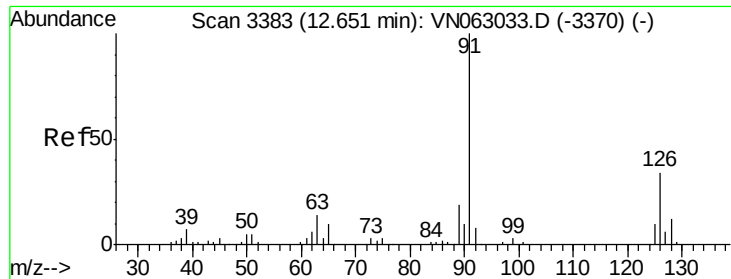
Tgt Ion:	91	Resp:	148723
Ion Ratio	Lower	Upper	
91	100		
120	22.0	0.0	44.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 17.020 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. -0.00 min

Lab File: VN063085.D

Acq: 21 Aug 2020 17:03

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020EC

Tot Ion: 91 Resp: 95298

Ion Ratio Lower Upper

91 100

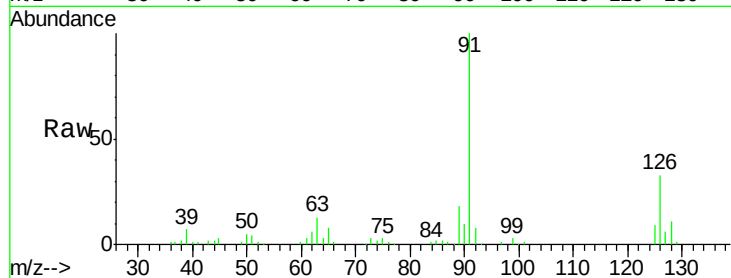
126 32.8 0.0 68.0

Manual Integrations

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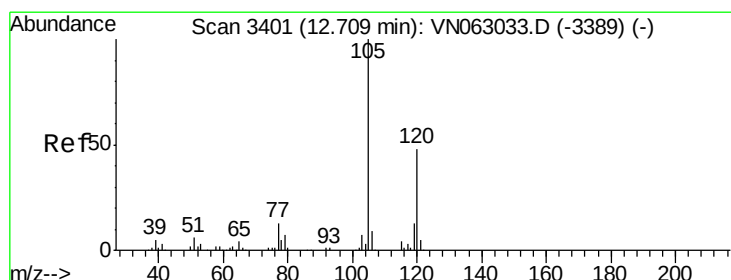
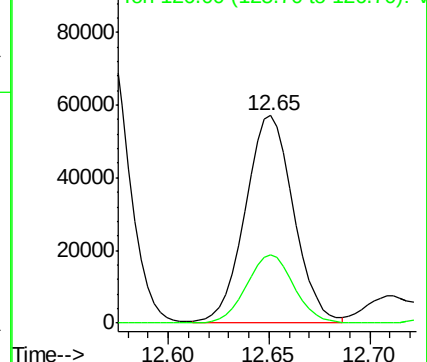
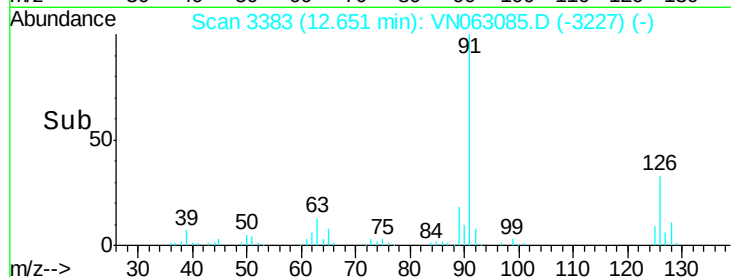
Sam

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Abundance Ion 91.00 (90.70 to 91.70): VN063085.D (-3227) (-)

Ion 126.00 (125.70 to 126.70): VN063085.D (-3227) (-)



#76

1,3,5-Trimethylbenzene

Concen: 15.792 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN063085.D

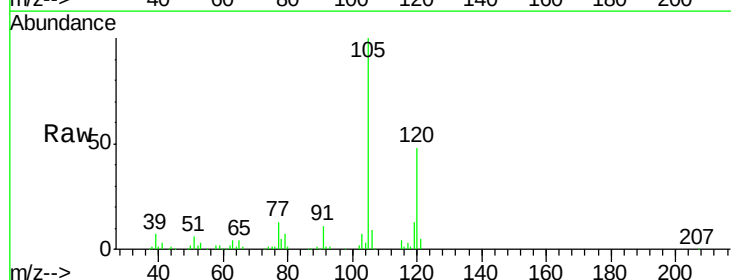
Acq: 21 Aug 2020 17:03

Tgt Ion: 105 Resp: 105546

Ion Ratio Lower Upper

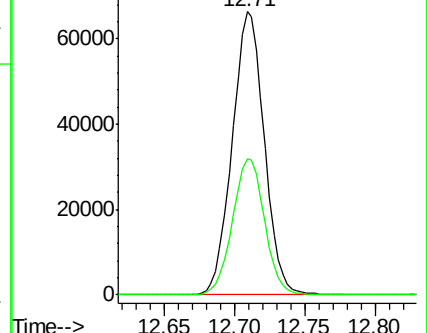
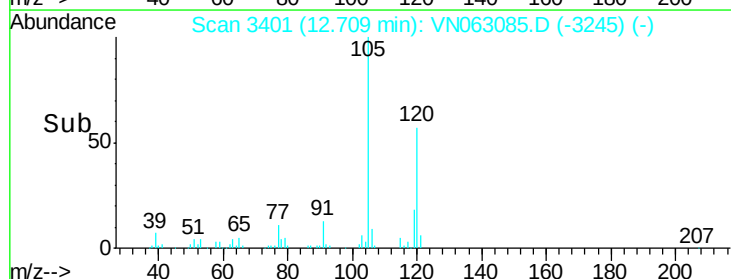
105 100

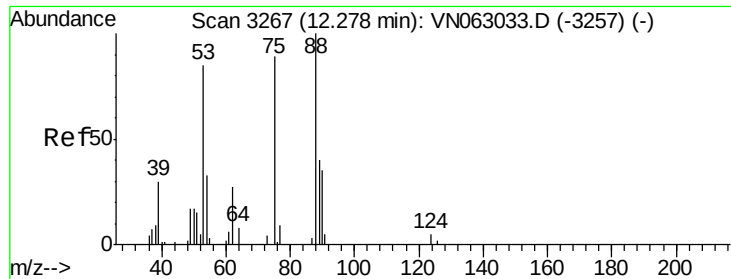
120 48.2 0.0 95.0



Abundance Ion 105.00 (104.70 to 105.70): VN063085.D (-3245) (-)

Ion 120.00 (119.70 to 120.70): VN063085.D (-3245) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 18.161 ug/l

RT: 12.28 min Scan# 3267

Delta R.T. -0.00 min

Lab File: VN063085.D

Acq: 21 Aug 2020 17:03

Instrument :

MSVOA_N

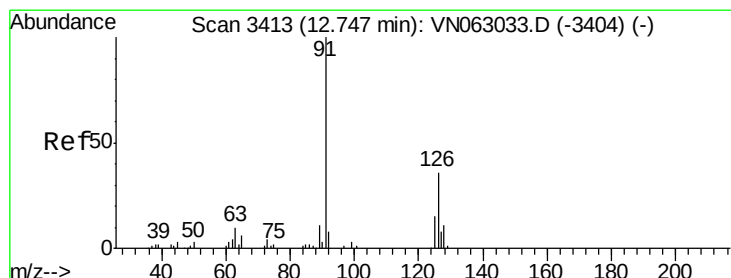
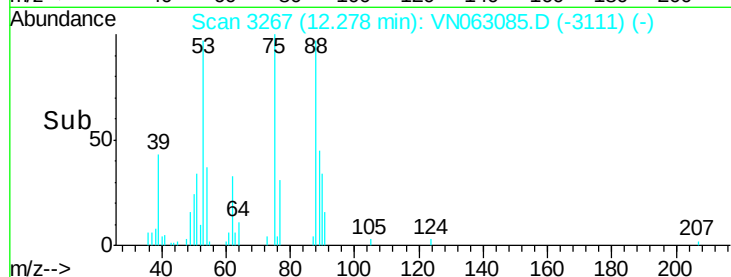
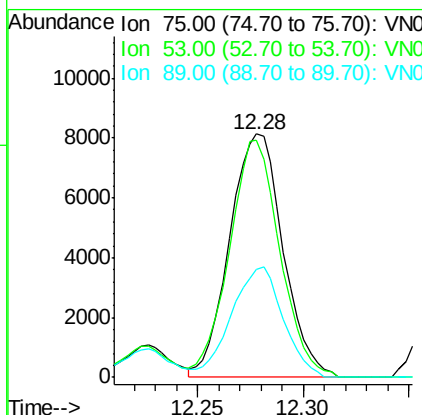
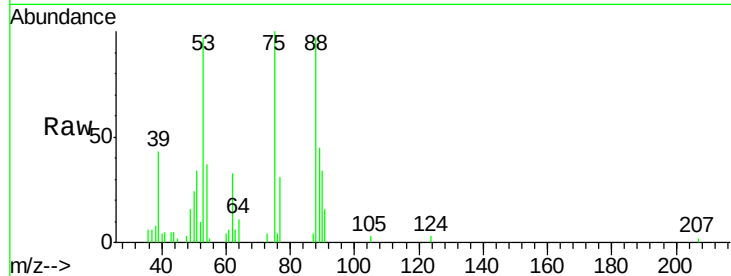
ClientSampleId :

VSTDCCC020EC

Tot Ion:	75	Resp:	14304
Ion Ratio	Lower	Upper	
75	100		
53	97.4	47.0	141.0
89	44.6	22.9	68.7

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#78

4-Chlorotoluene

Concen: 16.796 ug/l

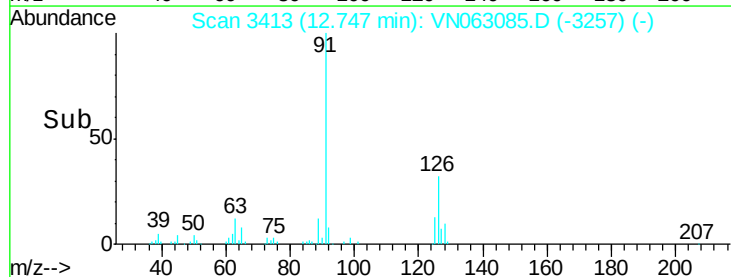
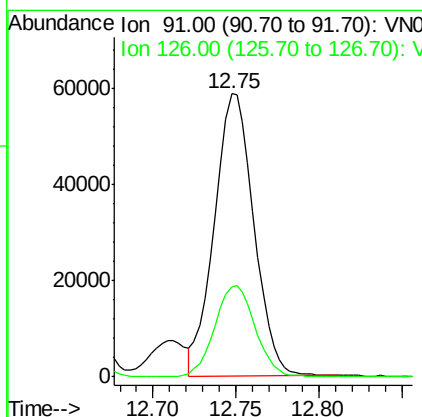
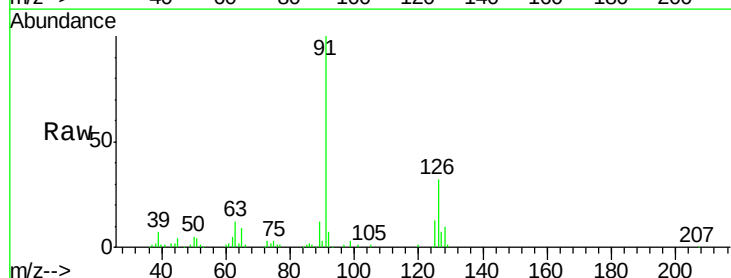
RT: 12.75 min Scan# 3413

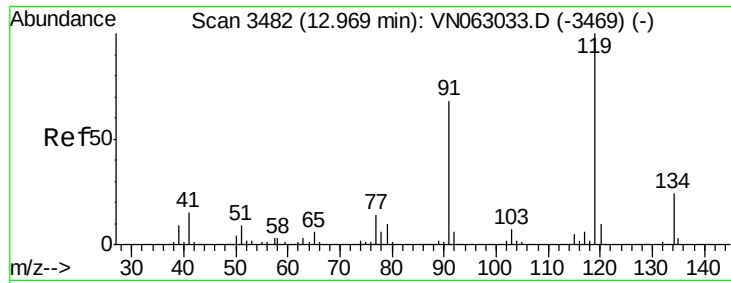
Delta R.T. -0.00 min

Lab File: VN063085.D

Acq: 21 Aug 2020 17:03

Tgt Ion:	91	Resp:	96960
Ion Ratio	Lower	Upper	
91	100		
126	33.3	0.0	65.0





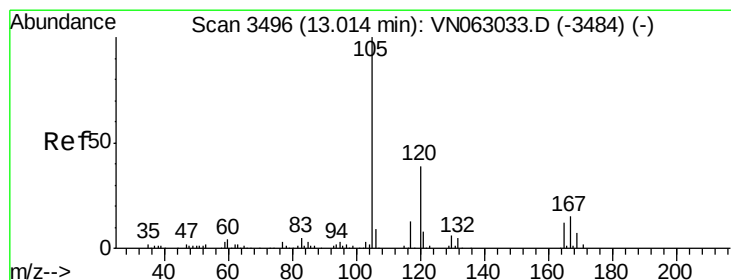
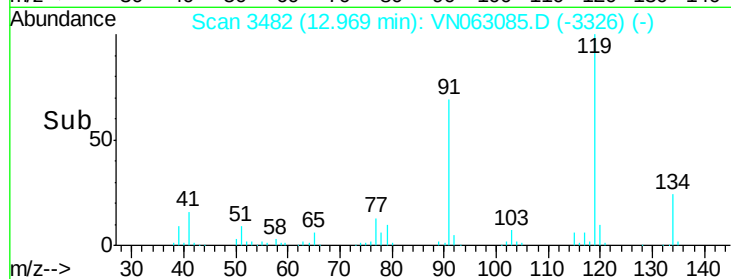
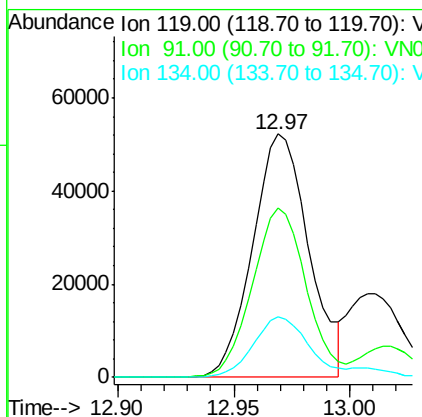
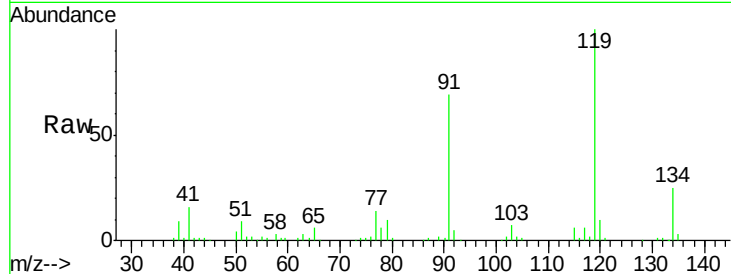
#79
 tert-butylbenzene
 Concen: 15.652 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN063085.D
 Acq: 21 Aug 2020 17:03

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.0	0.0	136.8
134	24.3	0.0	48.8

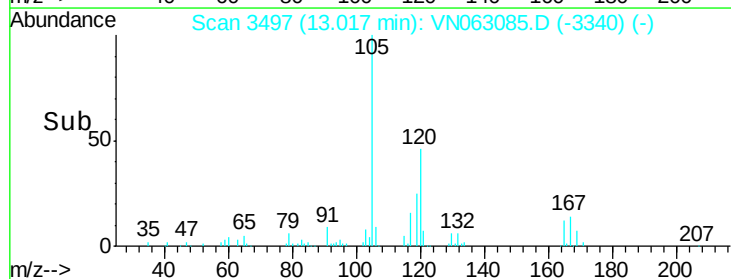
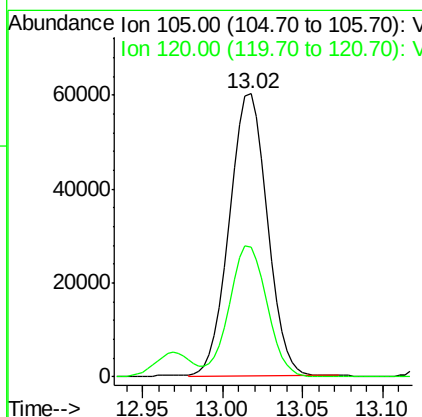
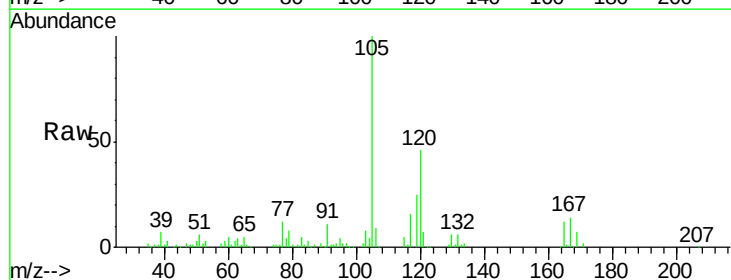
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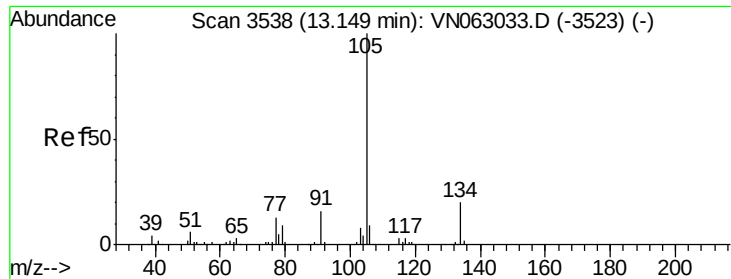
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#80
 1,2,4-Trimethylbenzene
 Concen: 14.956 ug/l
 RT: 13.02 min Scan# 3497
 Delta R.T. 0.00 min
 Lab File: VN063085.D
 Acq: 21 Aug 2020 17:03

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.9	0.0	90.4





#81

sec-Butylbenzene

Concen: 14.801 ug/l

RT: 13.15 min Scan# 3538

Delta R.T. -0.00 min

Lab File: VN063085.D

Acq: 21 Aug 2020 17:03

Instrument :

MSVOA_N

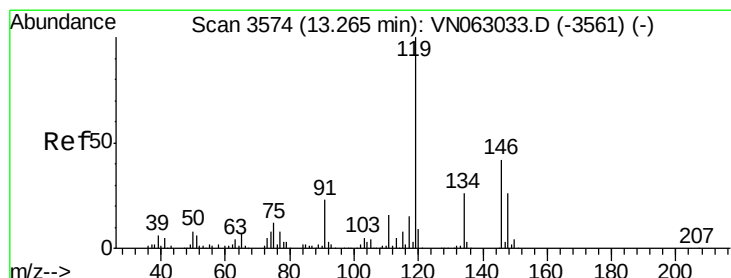
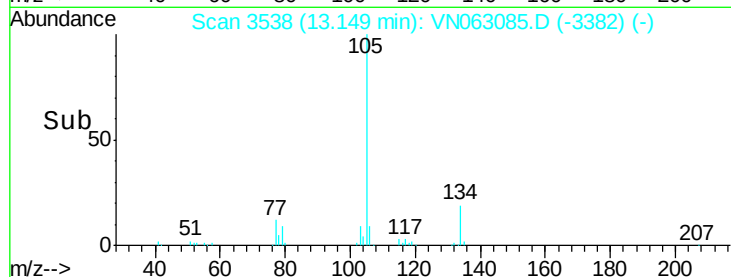
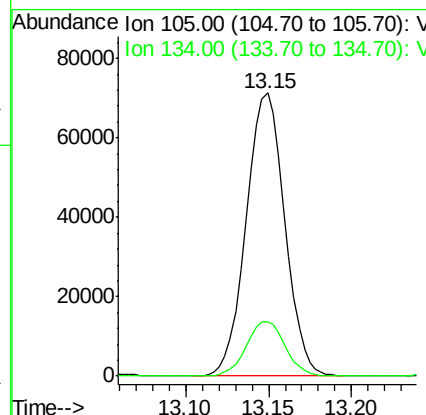
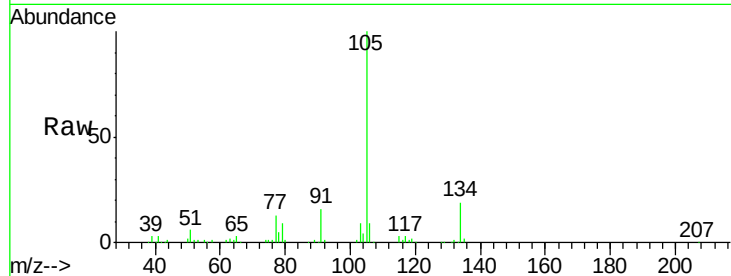
ClientSampleId :

VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
105	100	114657		
134	19.5	0.0	39.4	

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#82

p-Isopropyltoluene

Concen: 13.828 ug/l

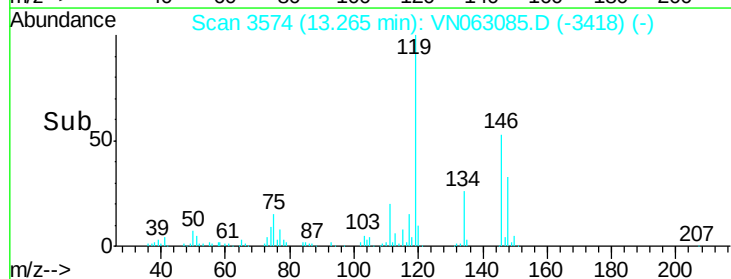
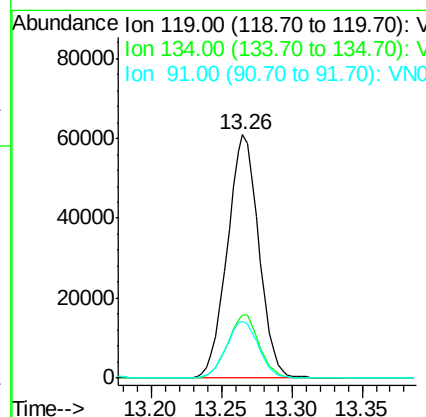
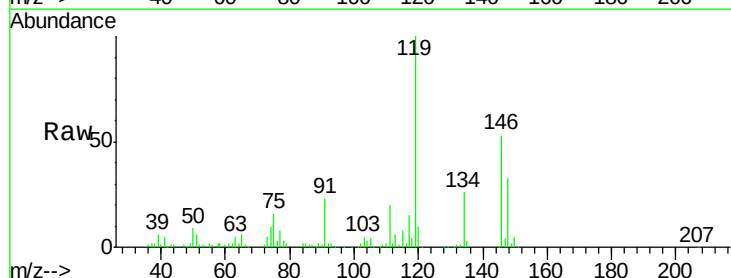
RT: 13.26 min Scan# 3574

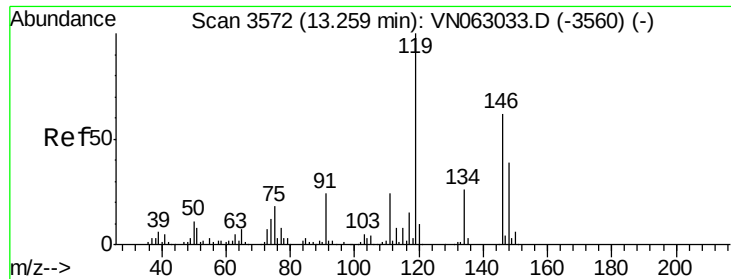
Delta R.T. -0.00 min

Lab File: VN063085.D

Acq: 21 Aug 2020 17:03

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	94969		
134	25.8	0.0	52.2	
91	23.9	0.0	46.2	





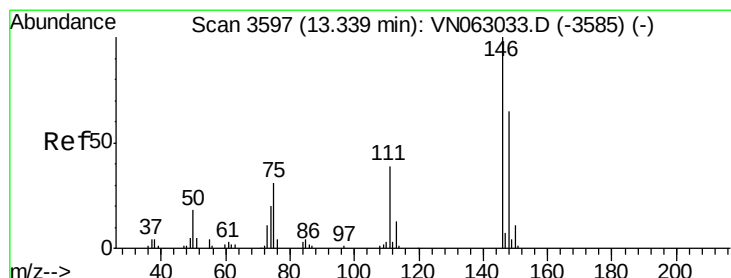
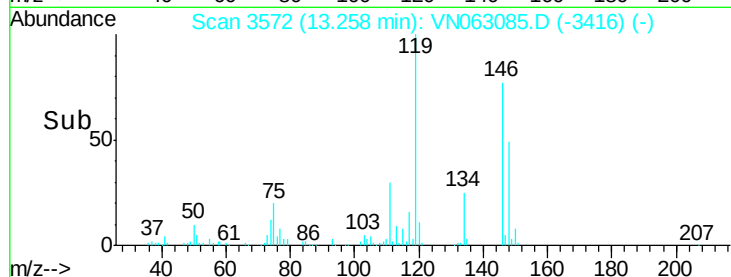
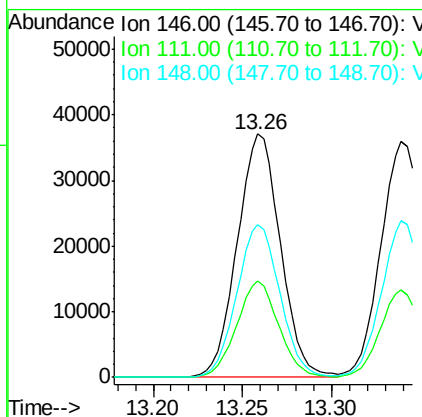
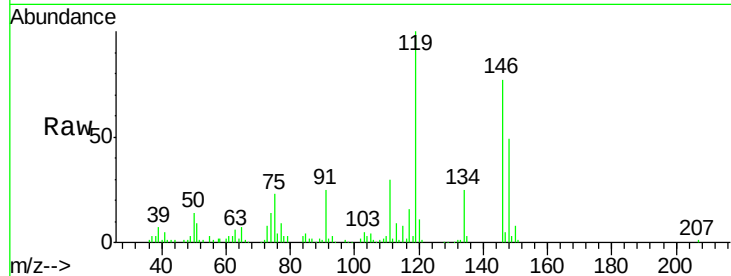
#83
 1,3-Dichlorobenzene
 Concen: 17.005 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN063085.D
 Acq: 21 Aug 2020 17:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.4	58.1
148	62.7	31.5	94.5

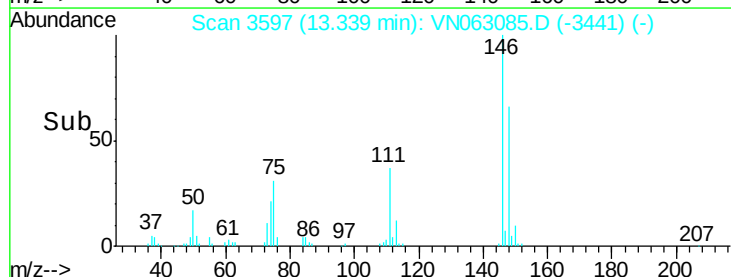
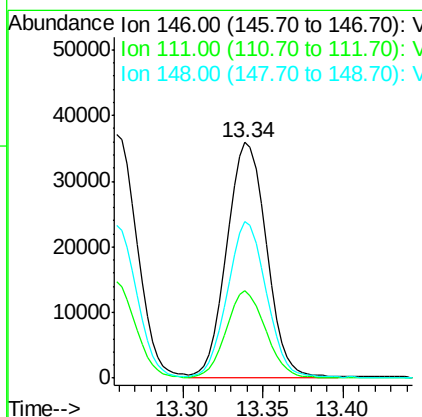
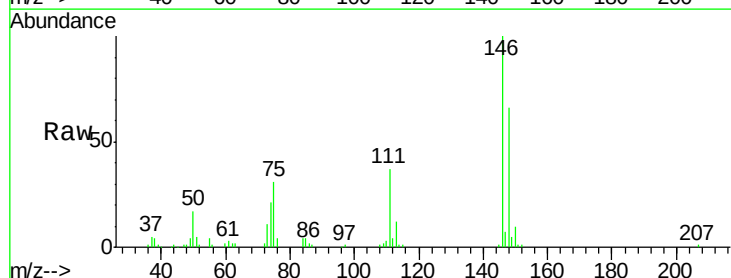
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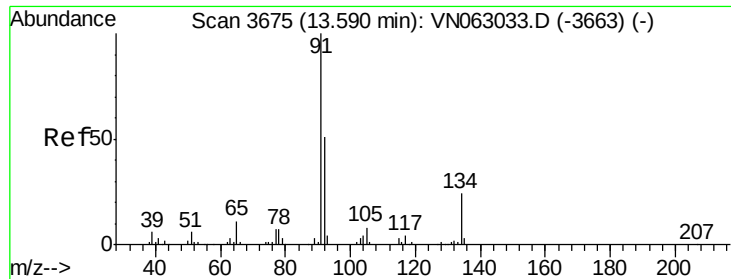
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#84
 1,4-Dichlorobenzene
 Concen: 16.827 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN063085.D
 Acq: 21 Aug 2020 17:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.6	55.8
148	65.9	31.6	94.8





#85

n-Butylbenzene

Concen: 13.004 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. -0.00 min

Lab File: VN063085.D

Acq: 21 Aug 2020 17:03

Instrument :

MSVOA_N

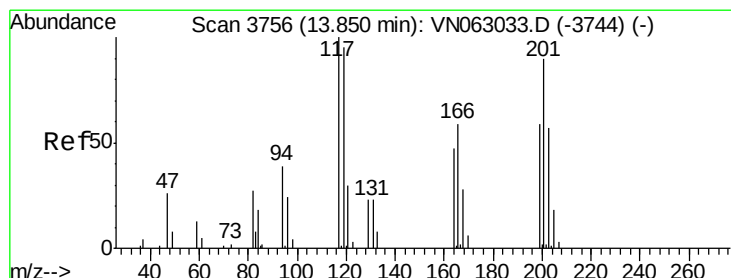
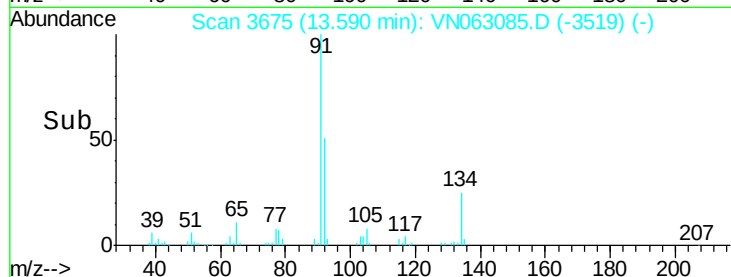
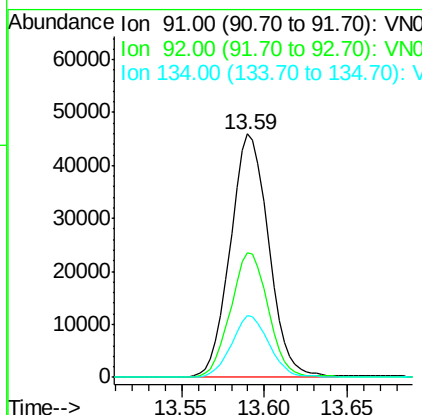
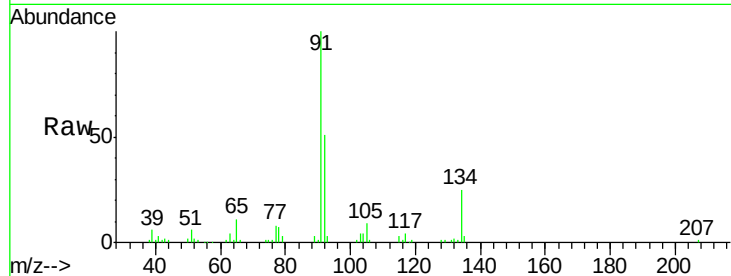
ClientSampleId :

VSTDCCC020EC

Tot Ion:	91	Resp:	74216
Ion	Ratio	Lower	Upper
91	100		
92	50.1	0.0	100.6
134	24.7	0.0	47.4

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#86

Hexachloroethane

Concen: 15.809 ug/l

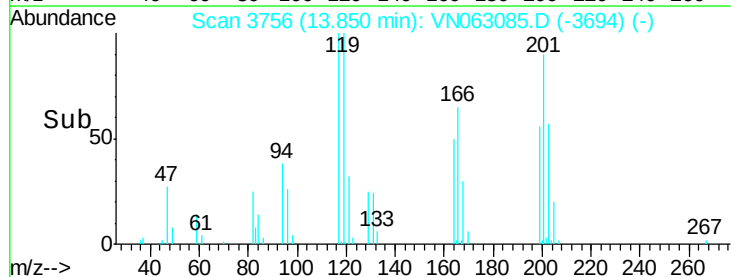
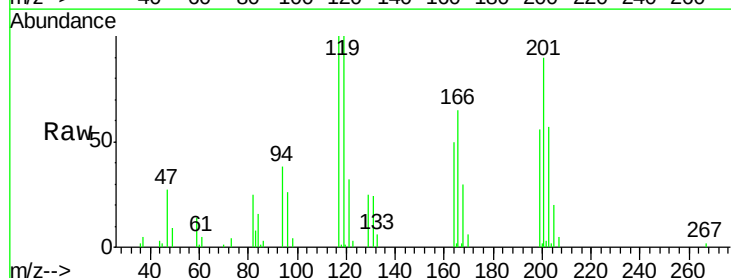
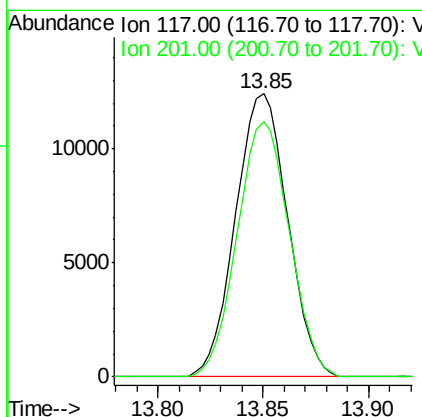
RT: 13.85 min Scan# 3756

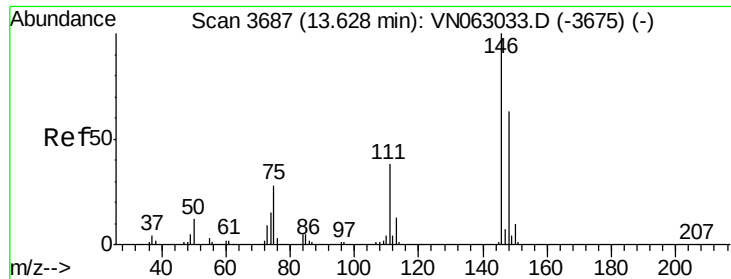
Delta R.T. -0.00 min

Lab File: VN063085.D

Acq: 21 Aug 2020 17:03

Tgt Ion:	117	Resp:	21384
Ion	Ratio	Lower	Upper
117	100		
201	90.1	46.1	138.3





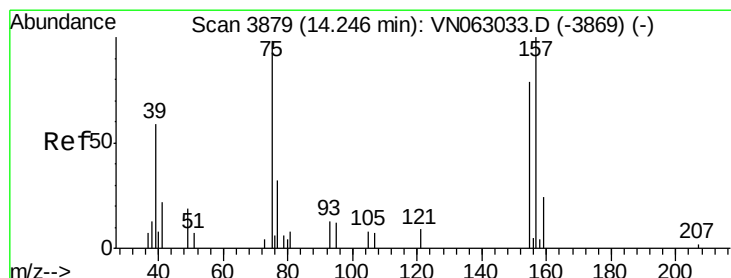
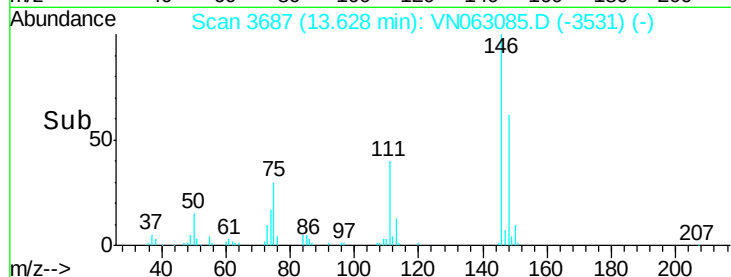
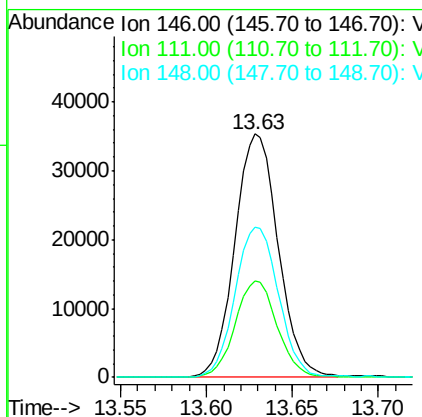
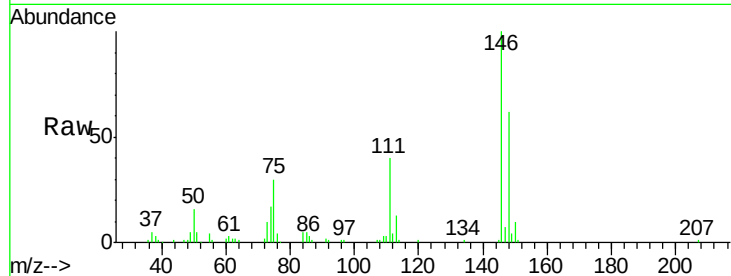
#87
 1,2-Dichlorobenzene
 Concen: 17.540 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN063085.D
 Acq: 21 Aug 2020 17:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.1	57.3
148	62.0	31.8	95.4

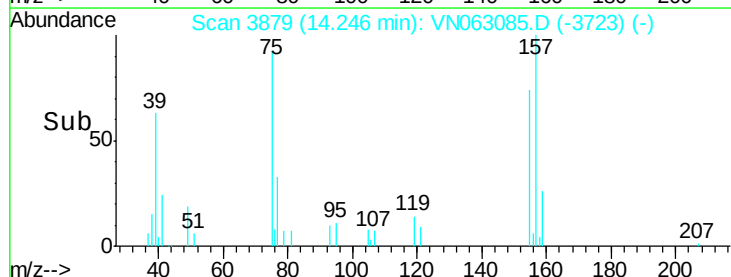
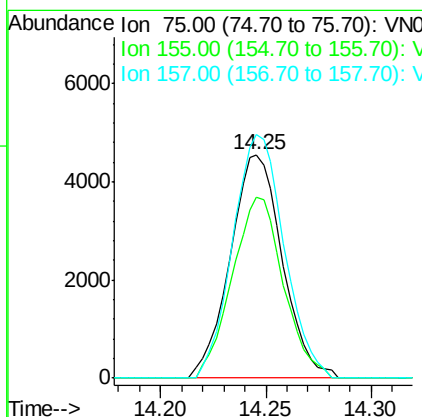
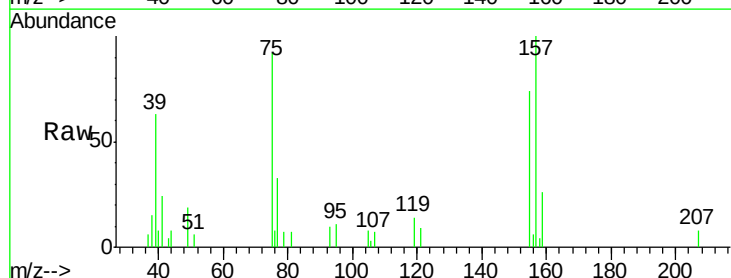
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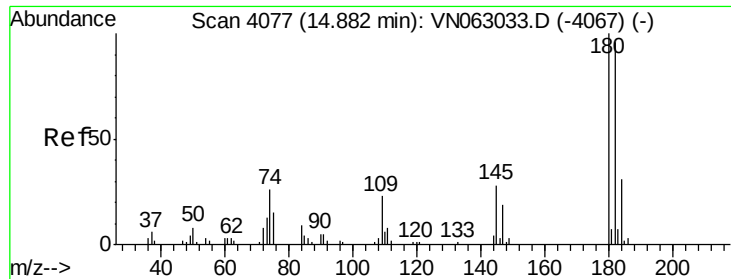
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.665 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. -0.00 min
 Lab File: VN063085.D
 Acq: 21 Aug 2020 17:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.4	64.8	97.2
157	107.5	81.2	121.8





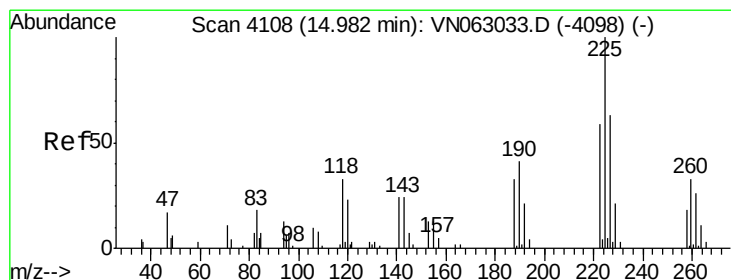
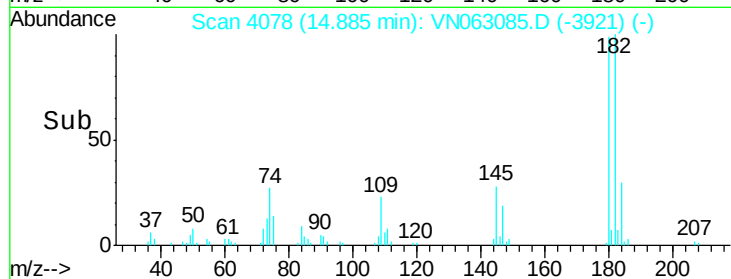
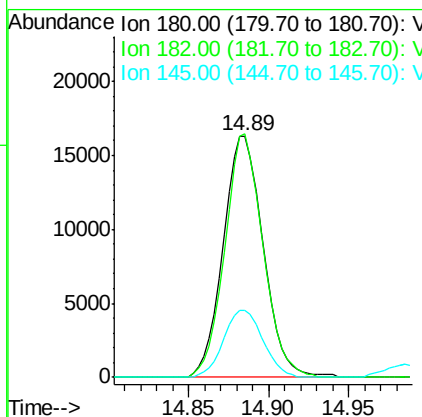
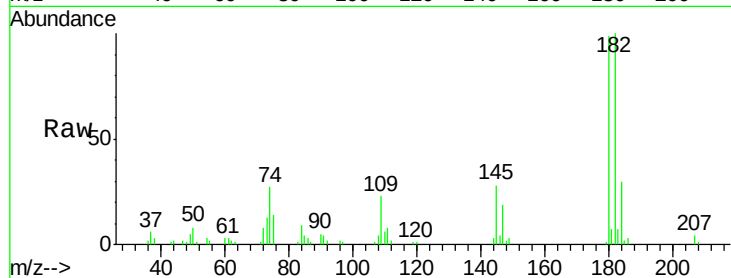
#89
 1,2,4-Trichlorobenzene
 Concen: 16.011 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN063085.D
 Acq: 21 Aug 2020 17:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.9	115.3
145	27.3	21.9	32.9

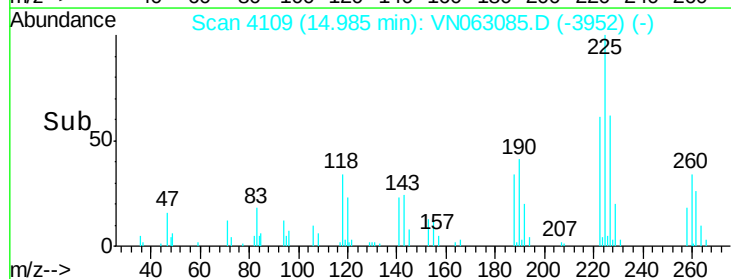
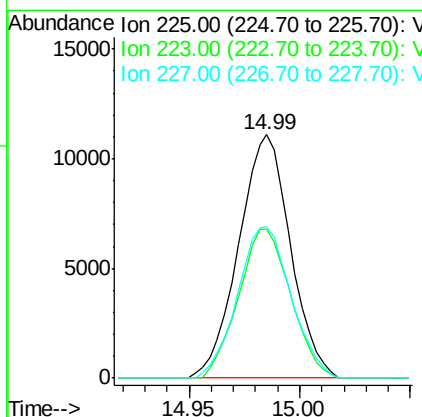
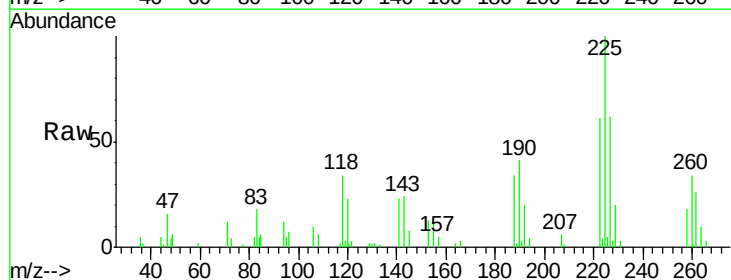
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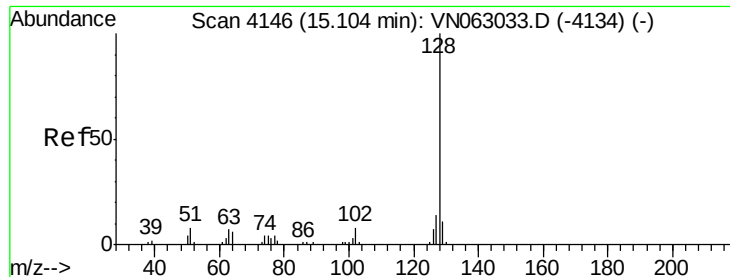
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#90
 Hexachlorobutadiene
 Concen: 14.028 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN063085.D
 Acq: 21 Aug 2020 17:03

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.4	0.0	122.8
227	64.4	0.0	125.6





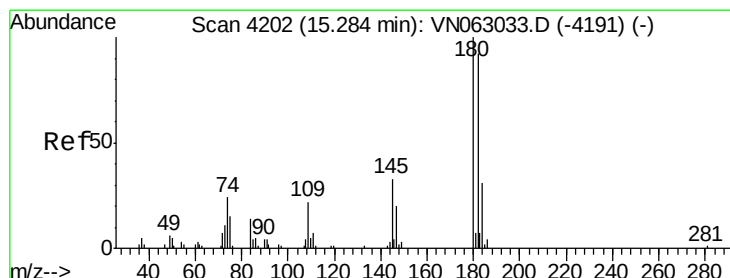
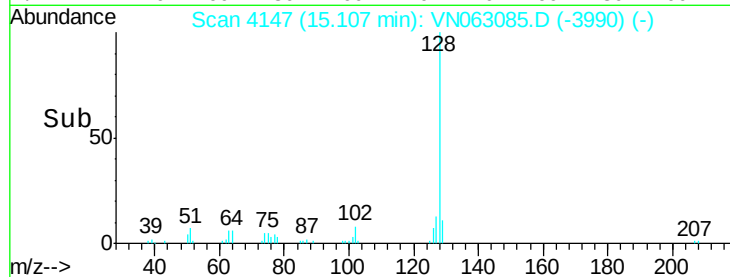
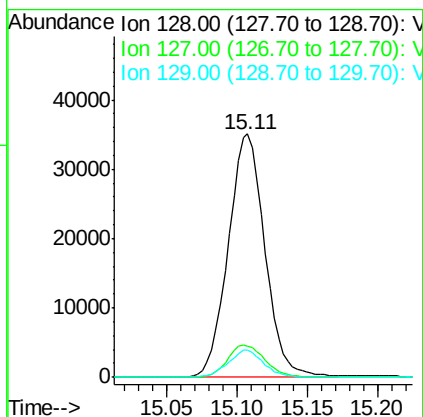
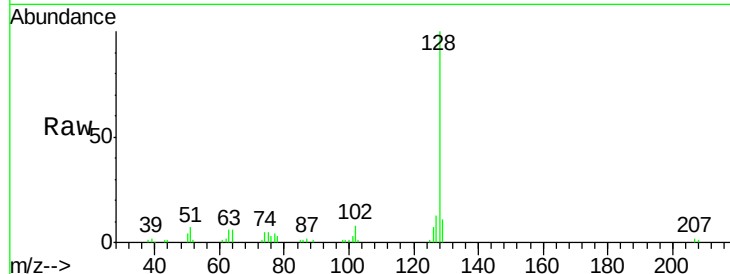
#91
Naphthalene
Concen: 16.603 ug/l
RT: 15.11 min Scan# 4147
Delta R.T. 0.00 min
Lab File: VN063085.D
Acq: 21 Aug 2020 17:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:	128	Resp:	63944
Ion	Ratio	Lower	Upper
128	100		
127	13.5	11.1	16.7
129	10.7	8.4	12.6

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#92
1,2,3-Trichlorobenzene
Concen: 16.024 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. -0.00 min
Lab File: VN063085.D
Acq: 21 Aug 2020 17:03

Tgt Ion:	180	Resp:	27883
Ion	Ratio	Lower	Upper
180	100		
182	94.5	0.0	188.0
145	30.9	0.0	62.0

