

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082120\
 Data File : VN063071.D
 Acq On : 21 Aug 2020 9:55
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

sam
 8/24/2020 5:51:51 PM

Quant Time: Aug 22 01:26:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 19 06:09:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	183913	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	268655	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	259059	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	132080	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.98	65	105640	48.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.94%	
35) Dibromofluoromethane	7.54	113	87048	49.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.46%	
50) Toluene-d8	10.06	98	331782	49.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.68%	
62) 4-Bromofluorobenzene	12.37	95	121222	51.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.18%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	128976	53.657	ug/l	98
3) Chloromethane	2.03	50	138244	54.822	ug/l	99
4) Vinyl Chloride	2.16	62	136148	55.828	ug/l	97
5) Bromomethane	2.52	94	81928	56.600	ug/l	98
6) Chloroethane	2.66	64	80311	55.778	ug/l	100
7) Trichlorofluoromethane	2.98	101	164098	53.958	ug/l	98
8) Diethyl Ether	3.37	74	56552	52.563	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	85209	51.996	ug/l	98
10) Methyl Iodide	3.91	142	112099	53.967	ug/l	99
11) Tert butyl alcohol	4.73	59	69501	225.107	ug/l	100
12) 1,1-Dichloroethene	3.69	96	75753	48.525	ug/l	96
13) Acrolein	3.57	56	18147	187.619	ug/l	99
14) Allyl chloride	4.27	41	143785	52.237	ug/l	99
15) Acrylonitrile	4.93	53	246568	271.711	ug/l	99
16) Acetone	3.77	43	223728	330.410	ug/l	97
17) Carbon Disulfide	4.00	76	196277	48.008	ug/l	98
18) Methyl Acetate	4.27	43	115384	53.267	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	313730	57.625	ug/l	100
20) Methylene Chloride	4.50	84	103254	53.831	ug/l	100
21) trans-1,2-Dichloroethene	4.99	96	86235	52.784	ug/l	99
22) Diisopropyl ether	5.90	45	365154	58.460	ug/l	99
23) Vinyl Acetate	5.84	43	1165190	276.436	ug/l	100
24) 1,1-Dichloroethane	5.79	63	184449	52.844	ug/l	99
25) 2-Butanone	6.78	43	315316	272.478	ug/l	99
26) 2,2-Dichloropropane	6.77	77	148688	54.166	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	108496	52.984	ug/l	98
28) Bromochloromethane	7.15	49	93156	51.008	ug/l	97
29) Tetrahydrofuran	7.16	42	199049	266.512	ug/l	100
30) Chloroform	7.32	83	186744	53.123	ug/l	100
31) Cyclohexane	7.61	56	167100	52.014	ug/l	100
32) 1,1,1-Trichloroethane	7.53	97	151234	52.697	ug/l	98
36) 1,1-Dichloropropene	7.75	75	126439	53.405	ug/l	99
37) Ethyl Acetate	6.88	43	116369	52.456	ug/l	99
38) Carbon Tetrachloride	7.73	117	126146	52.776	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	165121	51.607	ug/l	99
40) Benzene	8.00	78	405499	54.002	ug/l	99
41) Methacrylonitrile	7.12	41	57927	54.805	ug/l	94
42) 1,2-Dichloroethane	8.08	62	141181	55.995	ug/l	99
43) Isopropyl Acetate	8.12	43	202773	55.173	ug/l #	90
44) Trichloroethene	8.80	130	98535	52.754	ug/l	96
45) 1,2-Dichloropropane	9.08	63	122172	56.287	ug/l	97
46) Dibromomethane	9.17	93	71681	57.166	ug/l	99
47) Bromodichloromethane	9.37	83	154981	56.432	ug/l	100
48) Methyl methacrylate	9.17	41	101297	58.253	ug/l	98
49) 1,4-Dioxane	9.16	88	33498	877.309	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	653237	281.197	ug/l	99
52) Toluene	10.12	92	254055	56.087	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	169300	59.612	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	184087	59.087	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	108930	56.241	ug/l	99
56) Ethyl methacrylate	10.40	69	158994	53.040	ug/l	99
57) 1,3-Dichloropropane	10.68	76	182195	56.649	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	181130	249.104	ug/l	98
59) 2-Hexanone	10.72	43	465027	286.985	ug/l	99
60) Dibromochloromethane	10.87	129	122755	57.270	ug/l	99
61) 1,2-Dibromoethane	10.98	107	106276	57.105	ug/l	100
64) Tetrachloroethene	10.60	164	89715	52.683	ug/l	97
65) Chlorobenzene	11.40	112	284049	54.595	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	112250	55.468	ug/l	99
67) Ethyl Benzene	11.48	91	502251	57.130	ug/l	100
68) m/p-Xylenes	11.59	106	384546	117.690	ug/l	100
69) o-Xylene	11.92	106	183387	58.447	ug/l	100
70) Styrene	11.94	104	330738	52.997	ug/l	99
71) Bromoform	12.10	173	91684	56.919	ug/l #	100
73) Isopropylbenzene	12.22	105	498406	55.104	ug/l	99
74) N-amyl acetate	12.04	43	185360	57.220	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	160084	55.017	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	131392m	51.178	ug/l	
77) Bromobenzene	12.50	156	132972	53.454	ug/l	99
78) n-propylbenzene	12.56	91	596373	57.847	ug/l	99
79) 2-Chlorotoluene	12.65	91	351168	54.155	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	430005	57.511	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	52430	56.088	ug/l	96
82) 4-Chlorotoluene	12.75	91	370207	56.067	ug/l	100
83) tert-Butylbenzene	12.97	119	359908	55.770	ug/l	100
84) 1,2,4-Trimethylbenzene	13.01	105	429659	58.986	ug/l	99
85) sec-Butylbenzene	13.15	105	496431	56.920	ug/l	100
86) p-Isopropyltoluene	13.26	119	443657	58.380	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	238106	55.695	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	236654	54.539	ug/l	99
89) n-Butylbenzene	13.59	91	364103	50.521	ug/l	99
90) Hexachloroethane	13.85	117	85822	53.133	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	228715	55.384	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	25465	55.903	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	114774	50.127	ug/l	99
94) Hexachlorobutadiene	14.98	225	76278	49.986	ug/l	99
95) Naphthalene	15.10	128	251869	48.043	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	111077	49.540	ug/l	98

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

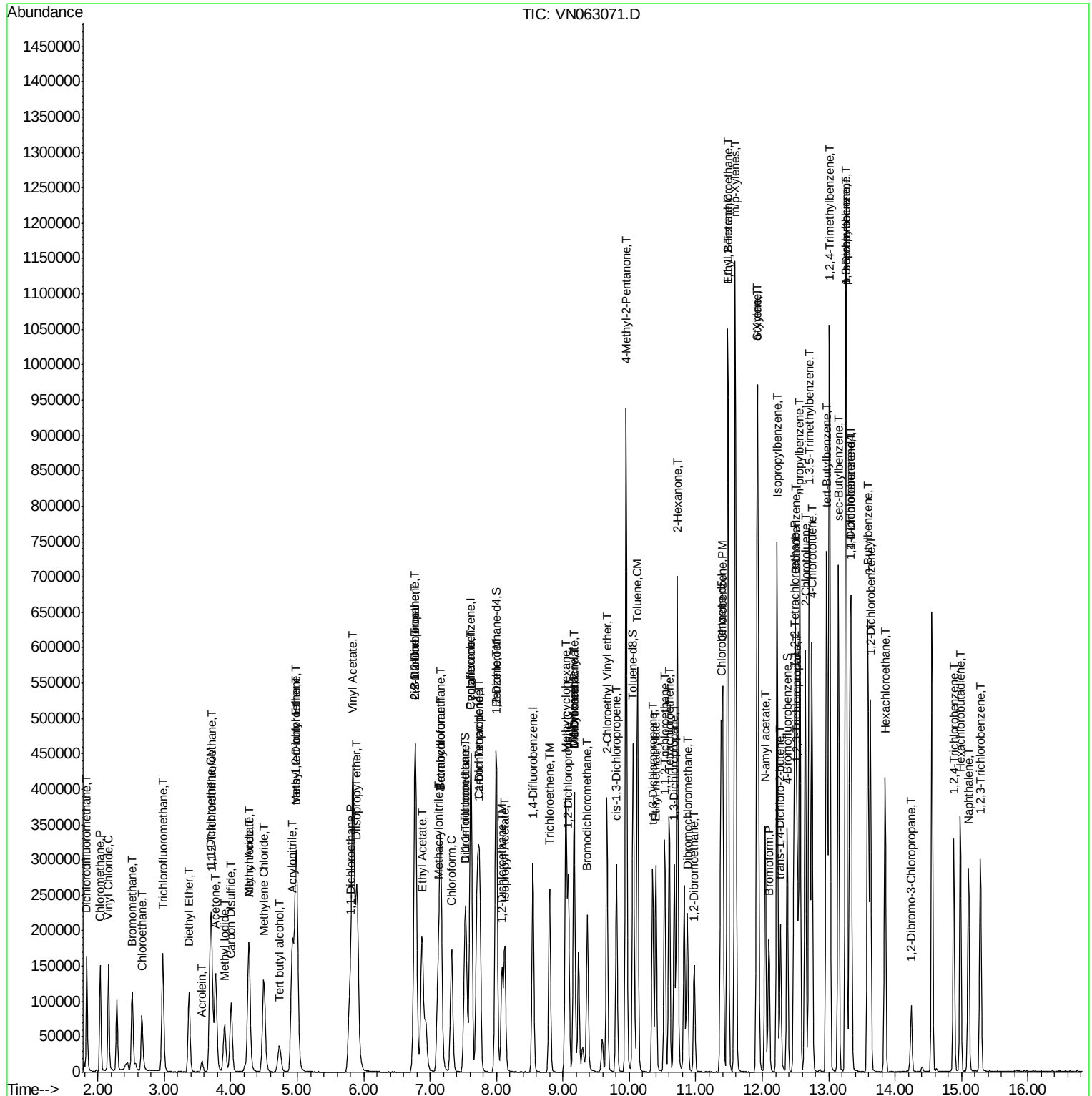
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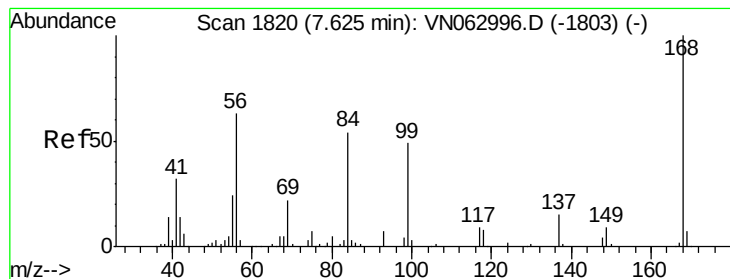
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN063071.D

Acq: 21 Aug 2020 9:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 183913

Ion Ratio Lower Upper

168 100

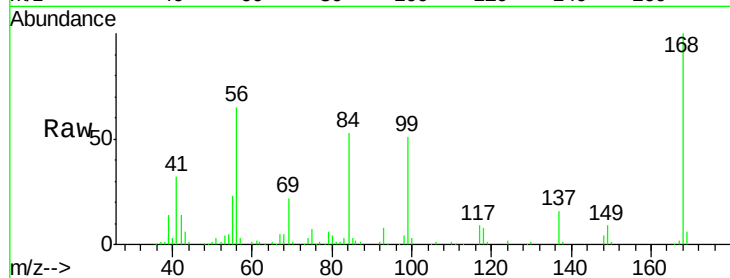
99 51.1 42.0 63.0

Manual Integrations

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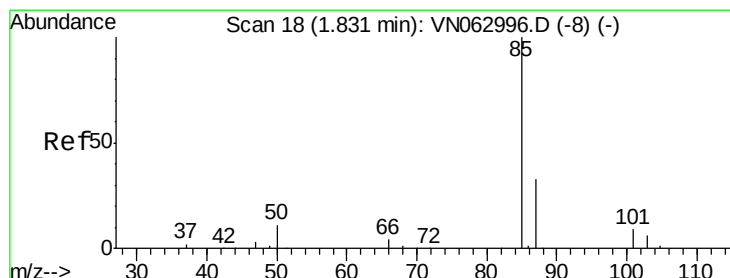
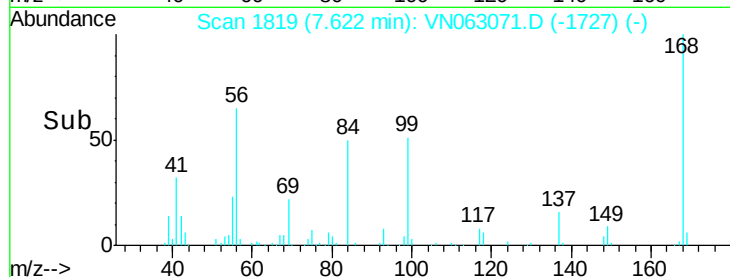
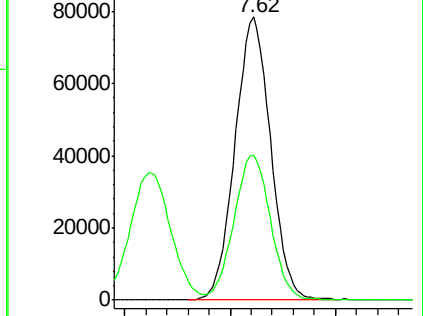
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 53.657 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN063071.D

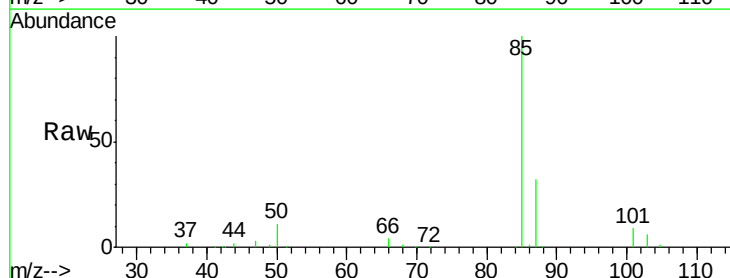
Acq: 21 Aug 2020 9:55

Tgt Ion: 85 Resp: 128976

Ion Ratio Lower Upper

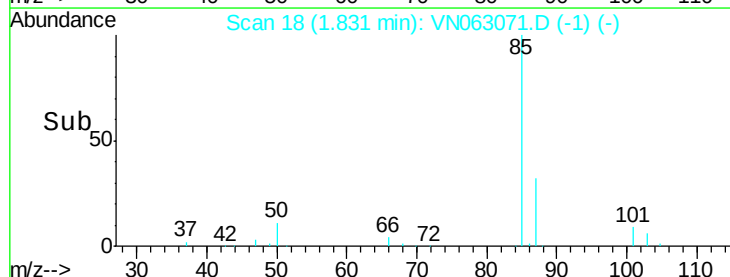
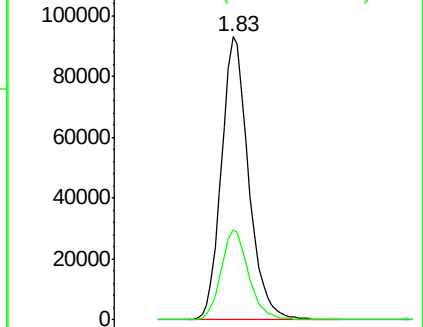
85 100

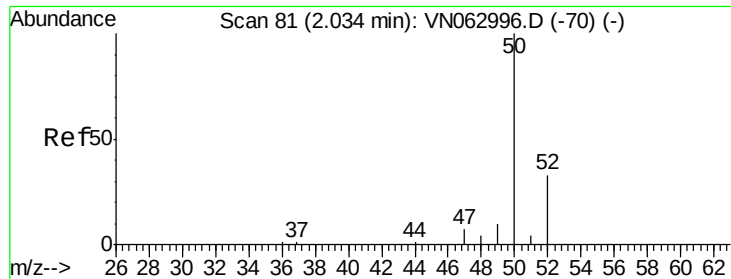
87 31.9 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 54.822 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN063071.D

Acq: 21 Aug 2020 9:55

Tot Ion: 50 Resp: 138244

Ion Ratio Lower Upper

50 100

52 32.9 26.0 39.0

Instrument :

MSVOA_N

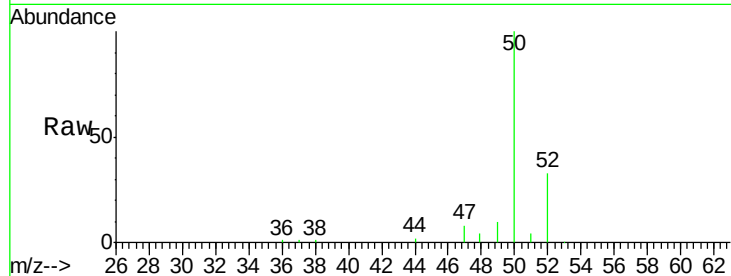
ClientSampleId :

VSTDCCC050

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.03

100000

80000

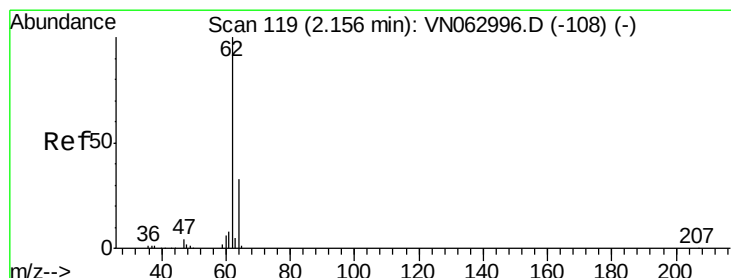
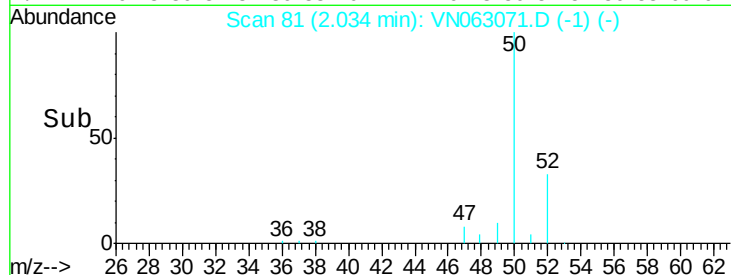
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 55.828 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN063071.D

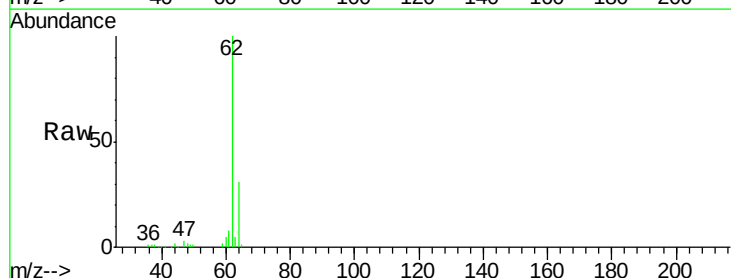
Acq: 21 Aug 2020 9:55

Tgt Ion: 62 Resp: 136148

Ion Ratio Lower Upper

62 100

64 31.0 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.16

100000

80000

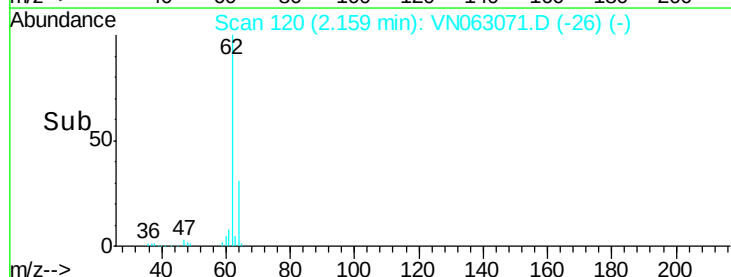
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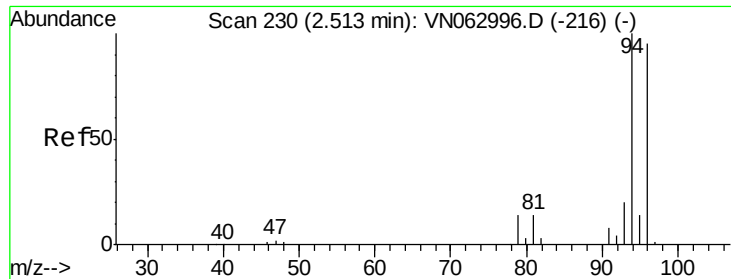
40000

20000

0

Time-->





#5

Bromomethane

Concen: 56.600 ug/l

RT: 2.52 min Scan# 231

Delta R.T. 0.00 min

Lab File: VN063071.D

Acq: 21 Aug 2020 9:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 81928

Ion Ratio Lower Upper

94 100

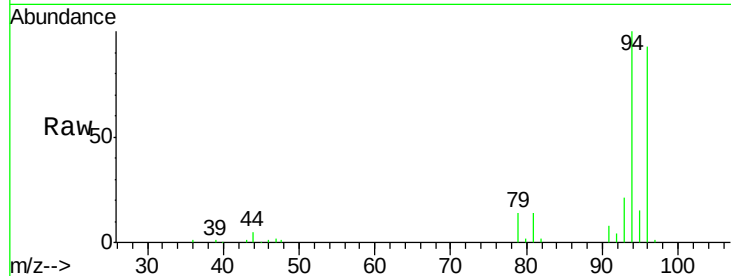
96 92.9 75.8 113.8

Manual Integrations

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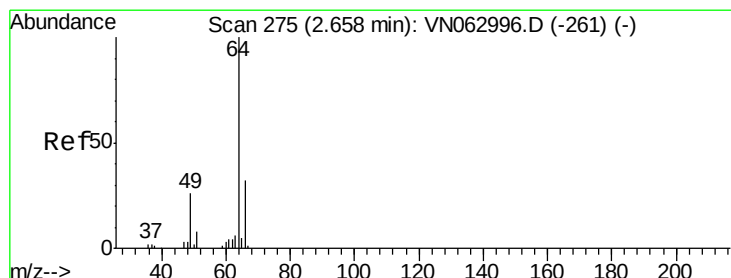
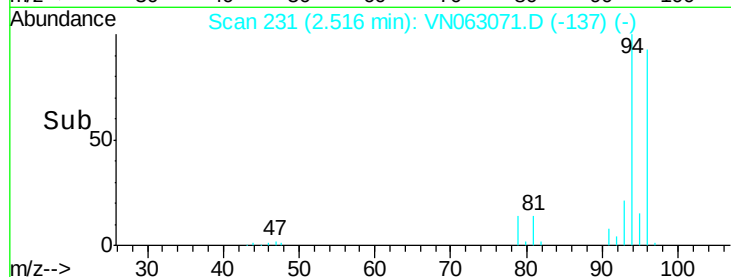
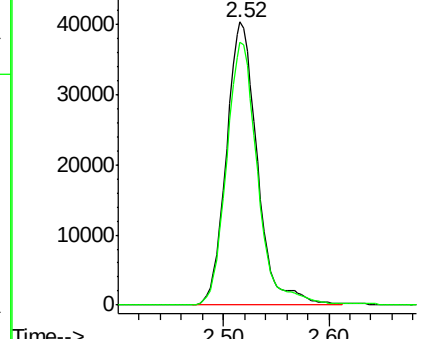
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Abundance Ion 93.90 (93.60 to 94.60): VN062996.D (-216) (-)

Ion 95.90 (95.60 to 96.60): VN062996.D (-216) (-)



#6

Chloroethane

Concen: 55.778 ug/l

RT: 2.66 min Scan# 276

Delta R.T. 0.00 min

Lab File: VN063071.D

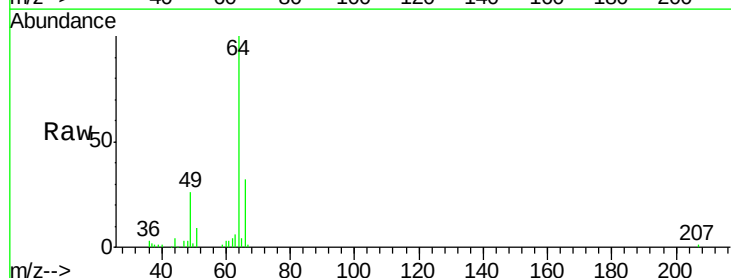
Acq: 21 Aug 2020 9:55

Tgt Ion: 64 Resp: 80311

Ion Ratio Lower Upper

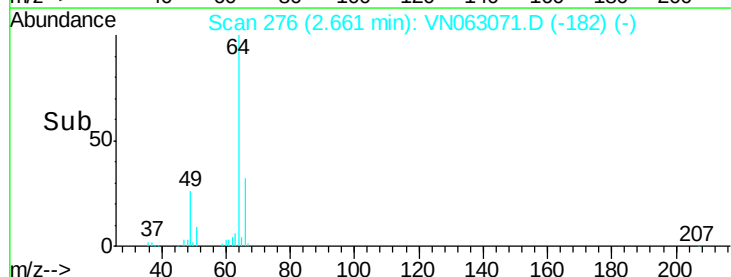
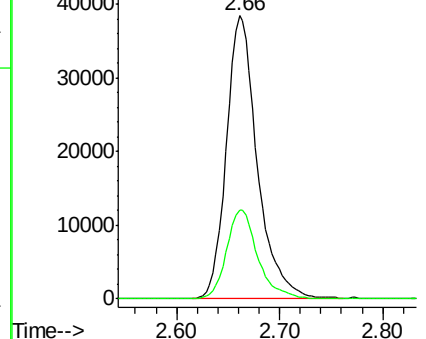
64 100

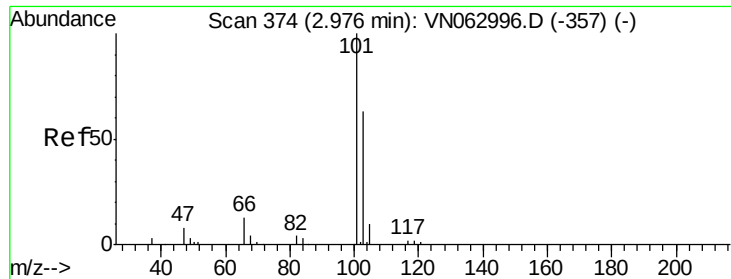
66 31.5 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN062996.D (-261) (-)

Ion 65.90 (65.60 to 66.60): VN062996.D (-261) (-)





#7

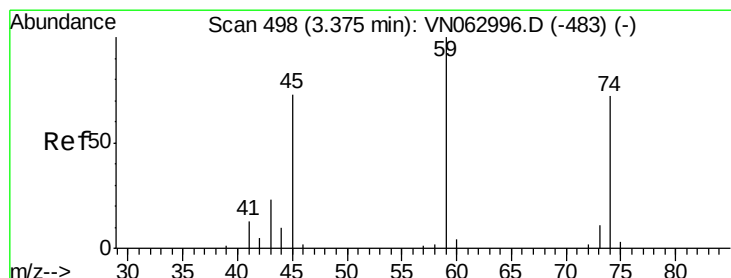
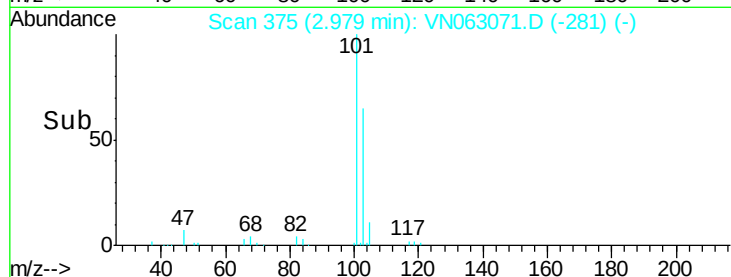
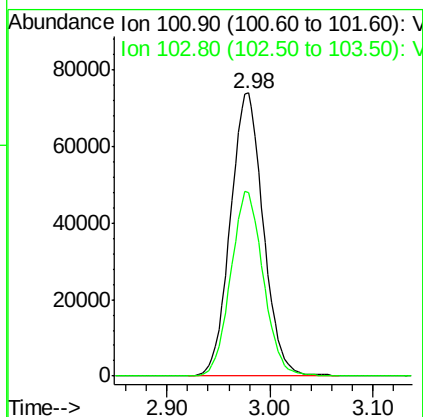
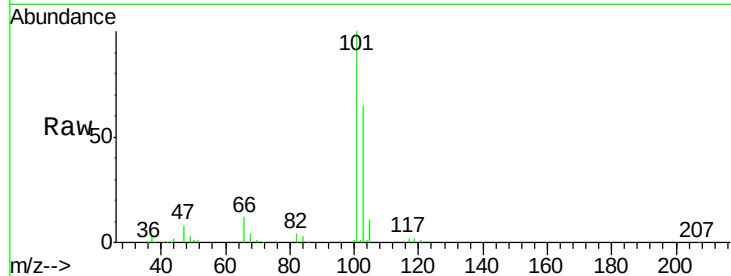
Trichlorofluoromethane
Concen: 53.958 ug/l
RT: 2.98 min Scan# 375
Delta R.T. 0.00 min
Lab File: VN063071.D
Acq: 21 Aug 2020 9:55

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	164098		
103	64.9	50.5	75.7	

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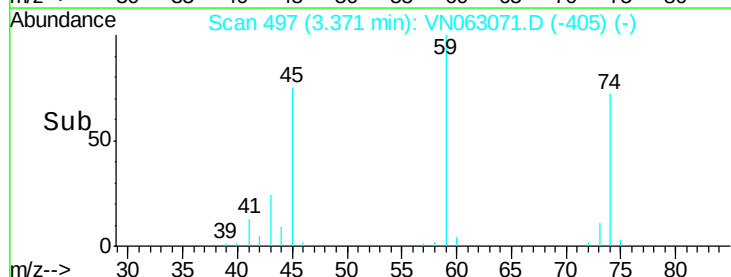
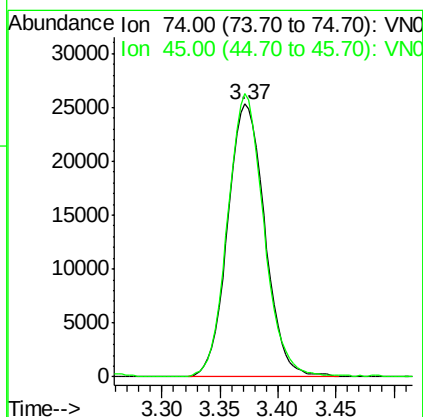
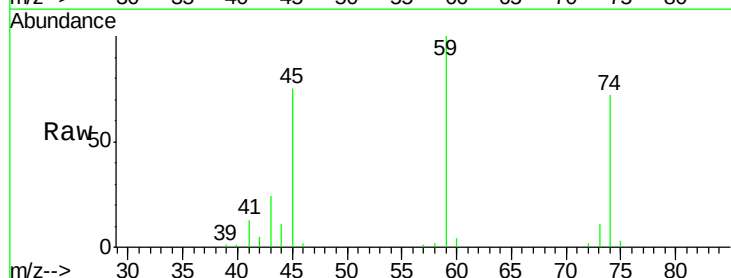
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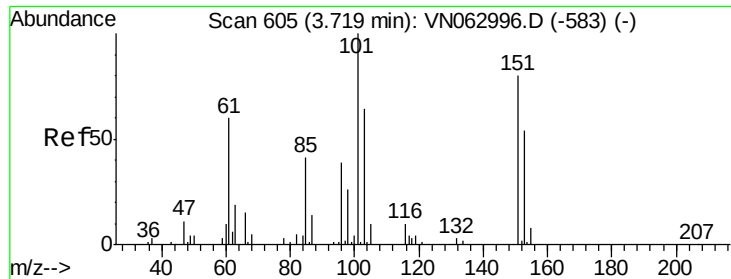


#8

Diethyl Ether
Concen: 52.563 ug/l
RT: 3.37 min Scan# 497
Delta R.T. -0.00 min
Lab File: VN063071.D
Acq: 21 Aug 2020 9:55

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	56552		
45	101.0	49.9	149.7	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.996 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN063071.D

Acq: 21 Aug 2020 9:55

Instrument :

MSVOA_N

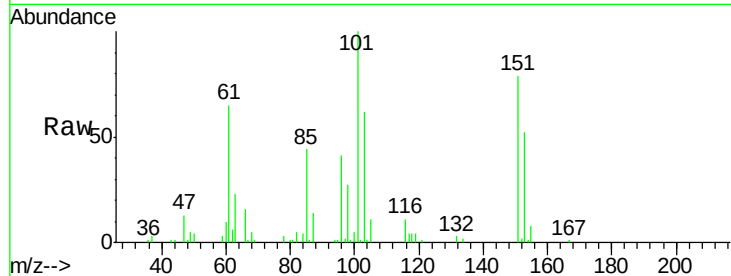
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	85209
Ion Ratio	Lower	Upper	
101	100		
85	42.7	34.0	51.0
151	80.2	65.8	98.8

Manual Integrations
APPROVED

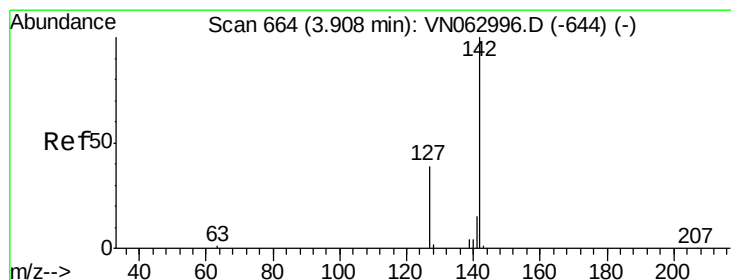
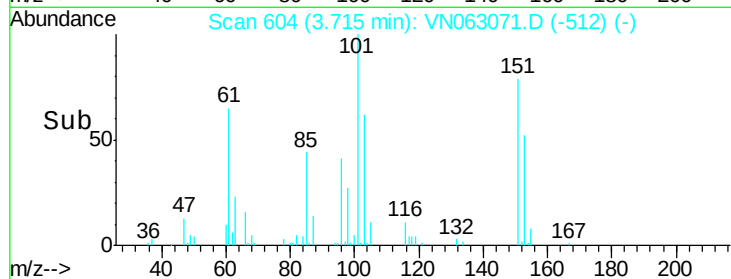
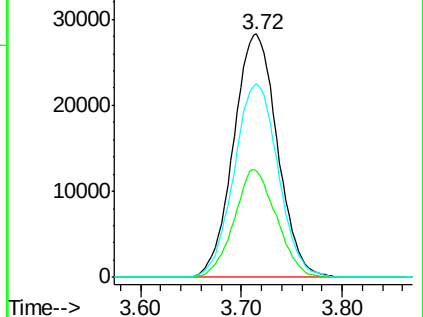
sam
8/24/2020 5:51:51 PM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 53.967 ug/l

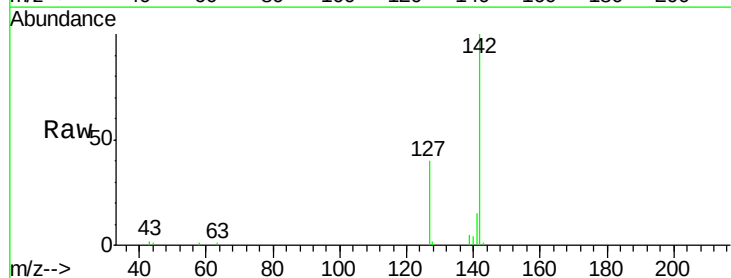
RT: 3.91 min Scan# 664

Delta R.T. -0.00 min

Lab File: VN063071.D

Acq: 21 Aug 2020 9:55

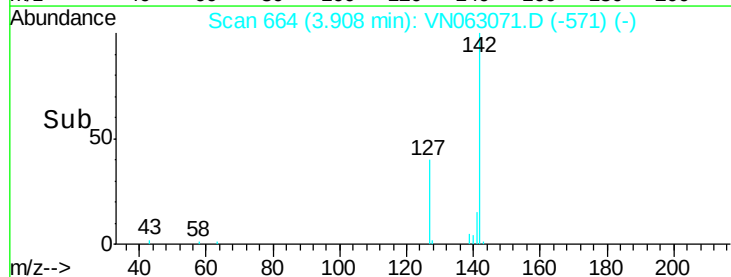
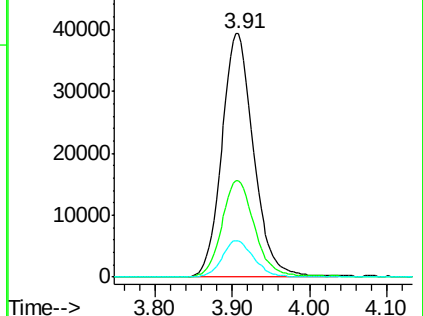
Tgt Ion:	142	Resp:	112099
Ion Ratio	Lower	Upper	
142	100		
127	41.1	32.2	48.4
141	14.8	11.3	16.9

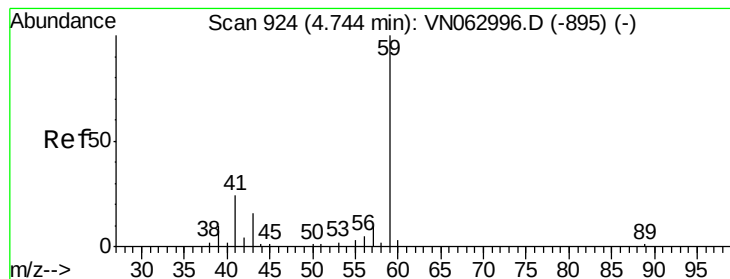


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

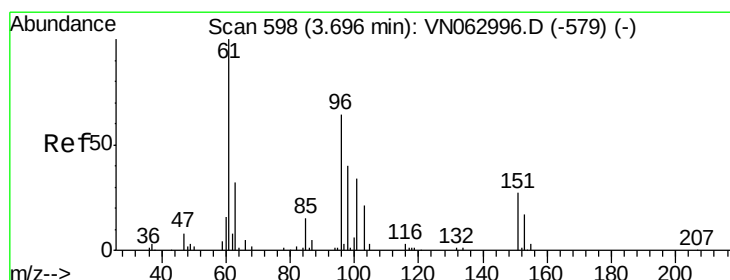
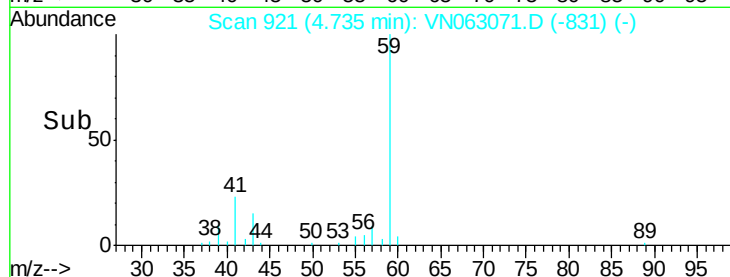
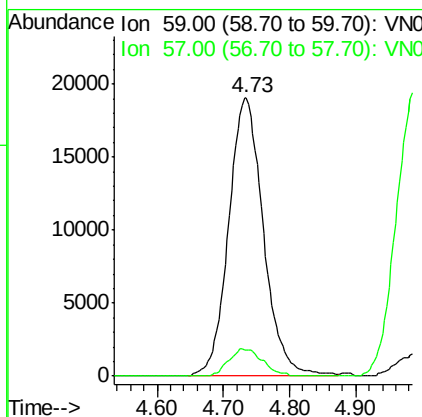
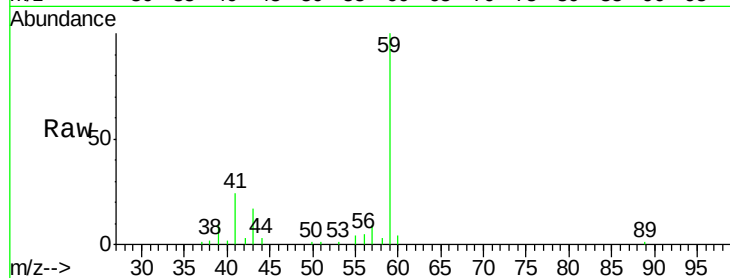
Tert butyl alcohol
Concen: 225.107 ug/l
RT: 4.73 min Scan# 921
Delta R.T. -0.01 min
Lab File: VN063071.D
Acq: 21 Aug 2020 9:55

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.6	7.8	11.6

Manual Integrations
APPROVED

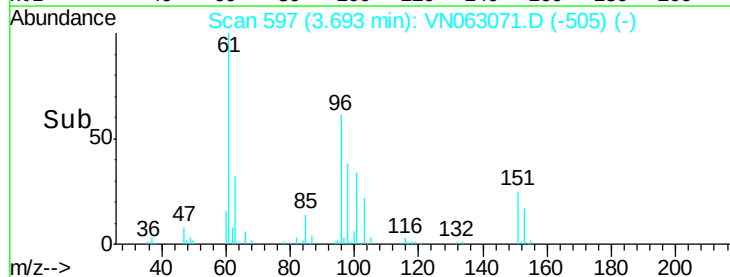
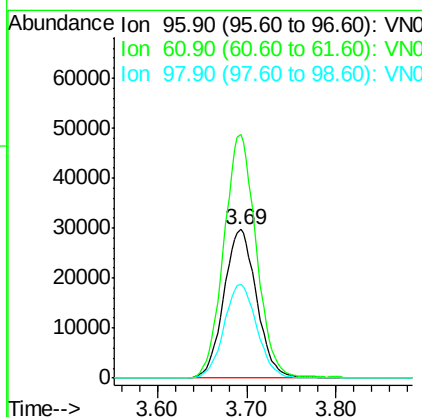
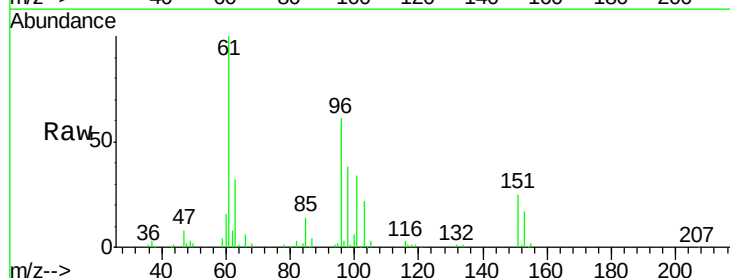
sam
8/24/2020 5:51:51 PM

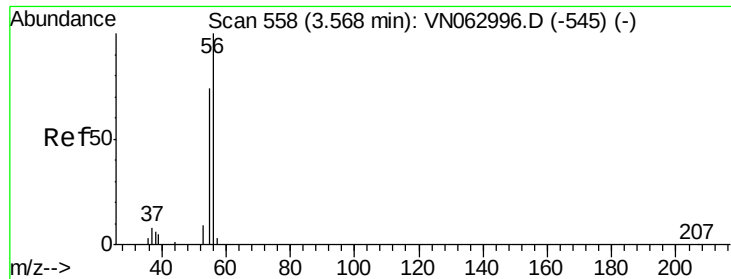


#12

1,1-Dichloroethene
Concen: 48.525 ug/l
RT: 3.69 min Scan# 597
Delta R.T. -0.00 min
Lab File: VN063071.D
Acq: 21 Aug 2020 9:55

Tgt Ion	Ratio	Lower	Upper
96	100		
61	164.2	125.5	188.3
98	63.1	50.4	75.6





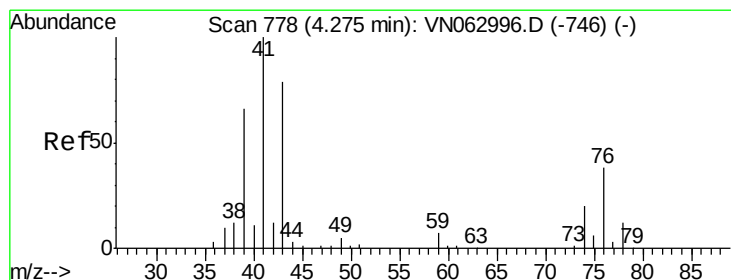
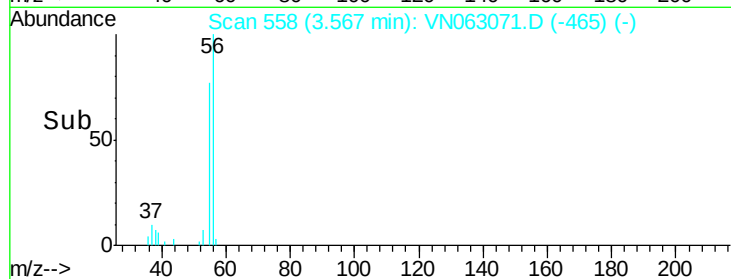
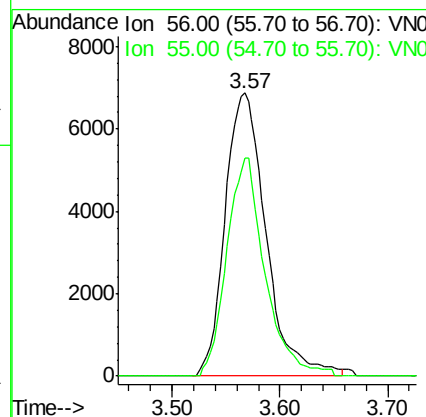
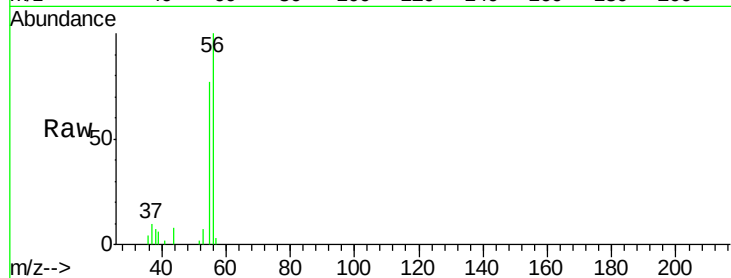
#13
 Acrolein
 Concen: 187.619 ug/l
 RT: 3.57 min Scan# 558
 Delta R.T. 0.00 min
 Lab File: VN063071.D
 Acq: 21 Aug 2020 9:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	56	Resp	18147
Ion Ratio	100	Lower	Upper
55	72.1	58.4	87.6

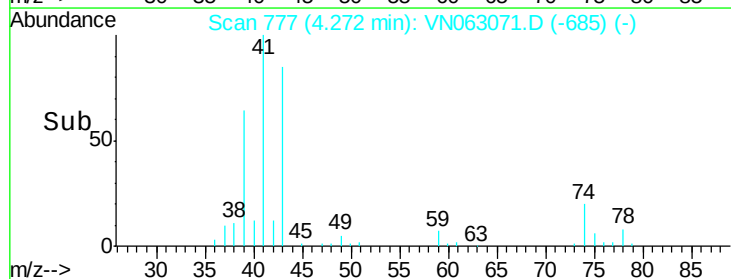
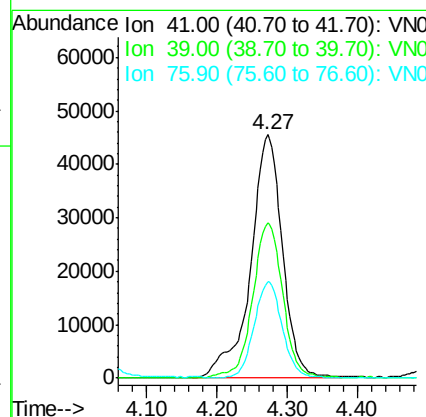
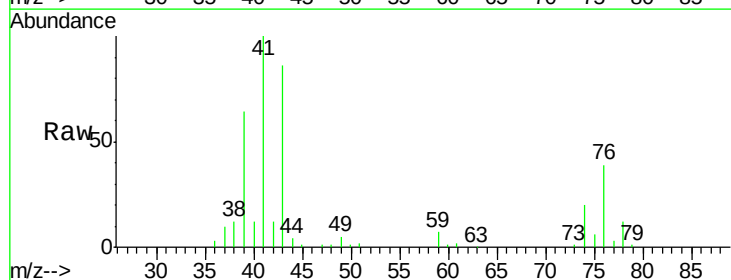
Manual Integrations
 APPROVED

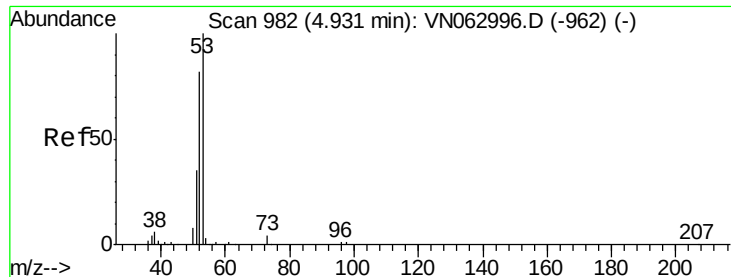
sam
 8/24/2020 5:51:51 PM



#14
 Allyl chloride
 Concen: 52.237 ug/l
 RT: 4.27 min Scan# 777
 Delta R.T. -0.00 min
 Lab File: VN063071.D
 Acq: 21 Aug 2020 9:55

Tgt Ion	41	Resp	143785
Ion Ratio	100	Lower	Upper
39	60.1	47.9	71.9
76	34.8	27.0	40.6





#15

Acrylonitrile

Concen: 271.711 ug/l

RT: 4.93 min Scan# 981

Delta R.T. -0.00 min

Lab File: VN063071.D

Acq: 21 Aug 2020 9:55

Instrument :

MSVOA_N

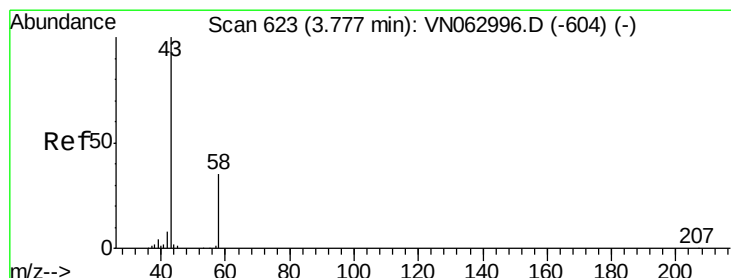
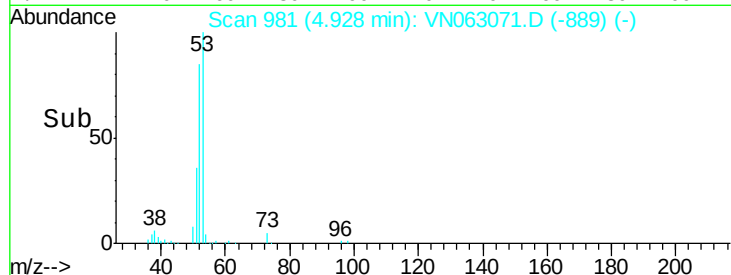
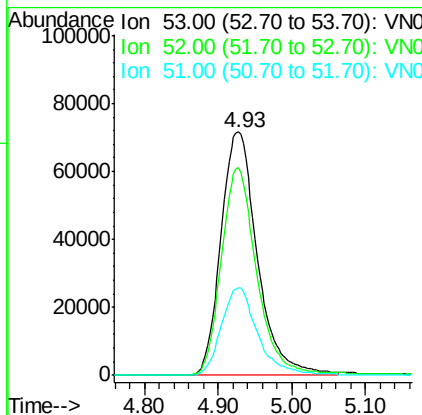
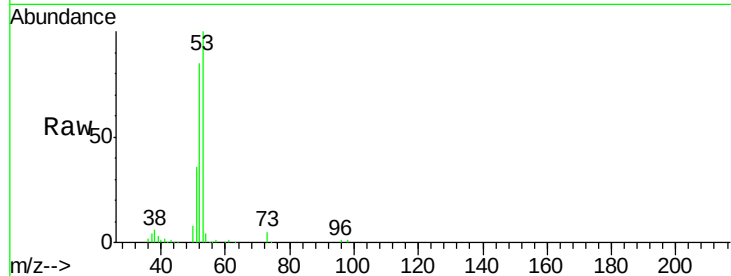
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	246568
Ion Ratio		Lower	Upper
53	100		
52	82.2	65.6	98.4
51	36.1	28.2	42.4

Manual Integrations
APPROVED

sam
8/24/2020 5:51:51 PM



#16

Acetone

Concen: 330.410 ug/l

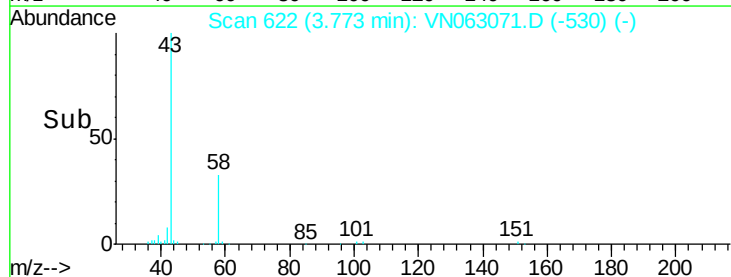
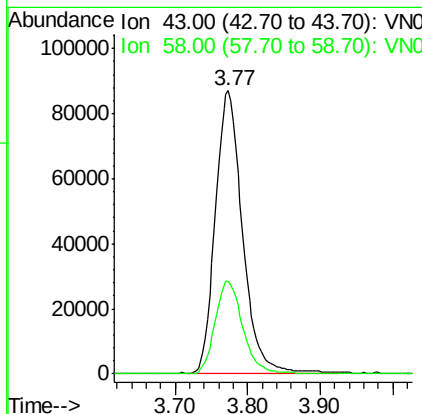
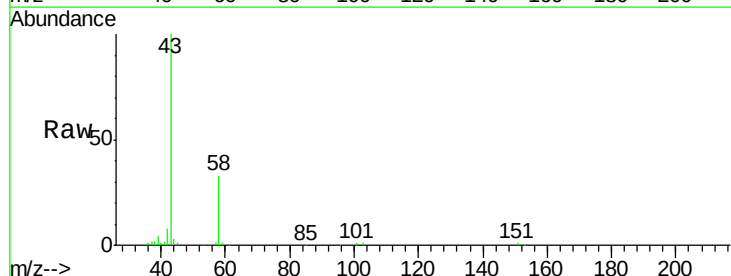
RT: 3.77 min Scan# 622

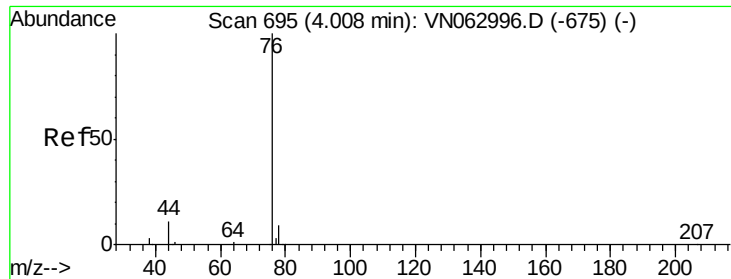
Delta R.T. -0.00 min

Lab File: VN063071.D

Acq: 21 Aug 2020 9:55

Tgt Ion:	43	Resp:	223728
Ion Ratio		Lower	Upper
43	100		
58	32.7	27.8	41.6





#17

Carbon Disulfide

Concen: 48.008 ug/l

RT: 4.00 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN063071.D

Acq: 21 Aug 2020 9:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 196277

Ion Ratio Lower Upper

76 100

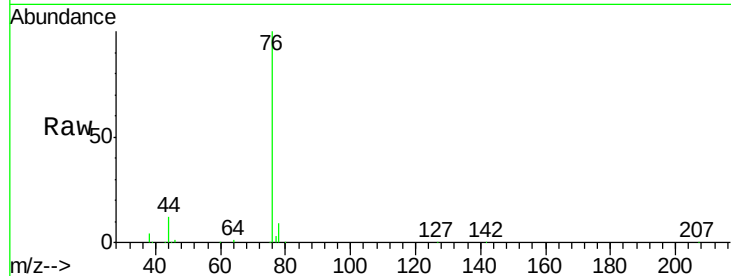
78 9.3 6.9 10.3

Manual Integrations

APPROVED

sam

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Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

4.00

80000

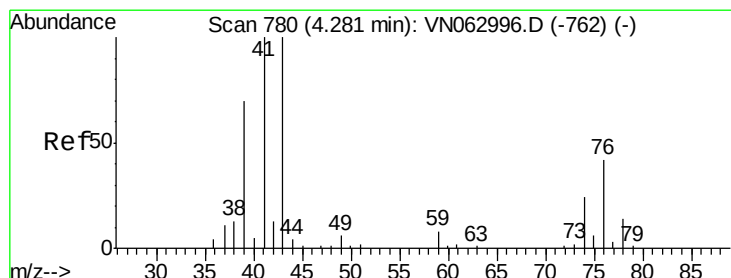
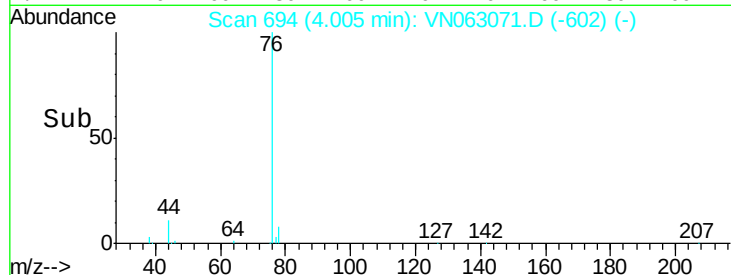
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 53.267 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.01 min

Lab File: VN063071.D

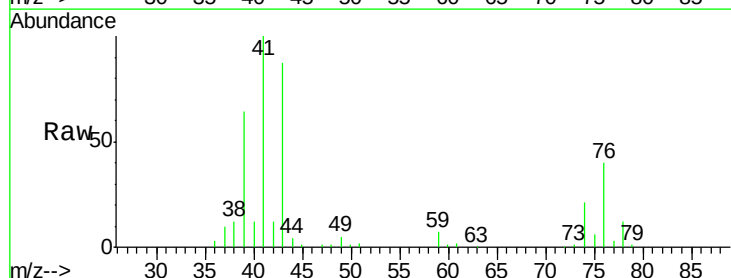
Acq: 21 Aug 2020 9:55

Tgt Ion: 43 Resp: 115384

Ion Ratio Lower Upper

43 100

74 23.1 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

4.27

40000

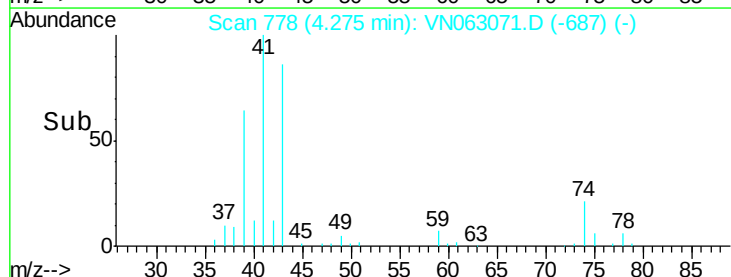
30000

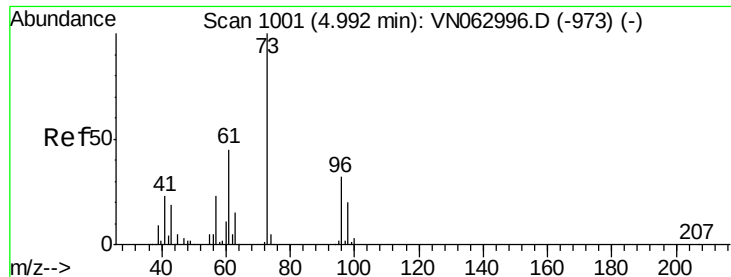
20000

10000

0

Time-->





#19

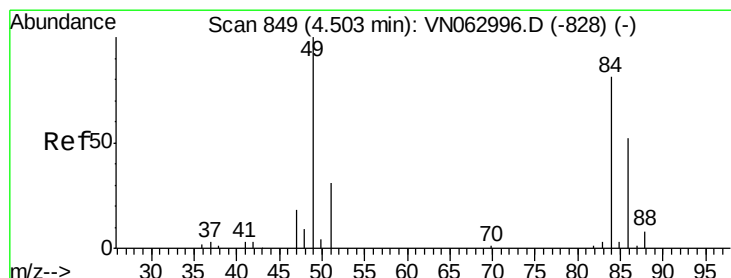
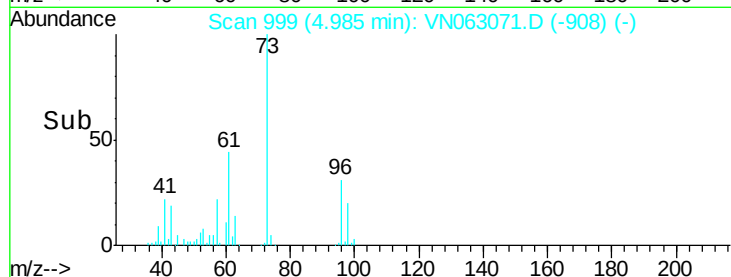
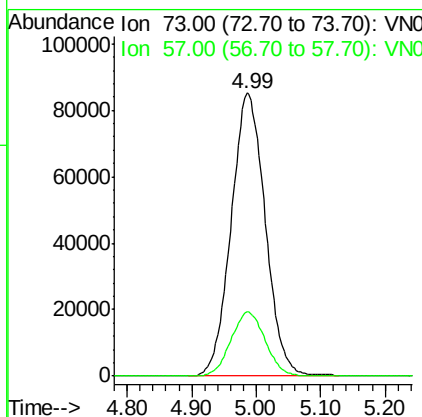
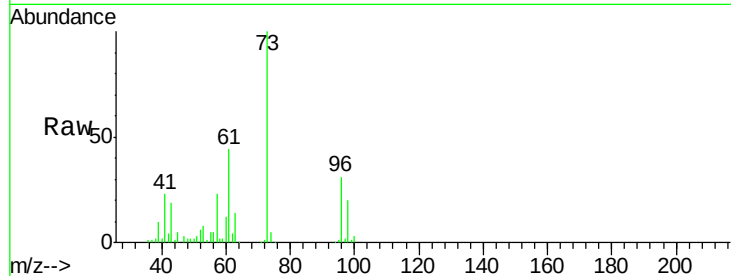
Methyl tert-butyl Ether
 Concen: 57.625 ug/l
 RT: 4.99 min Scan# 999
 Delta R.T. -0.01 min
 Lab File: VN063071.D
 Acq: 21 Aug 2020 9:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	73	Resp	313730
Ion Ratio	100	Lower	Upper
73	100		
57	22.8	18.1	27.1

Manual Integrations
 APPROVED

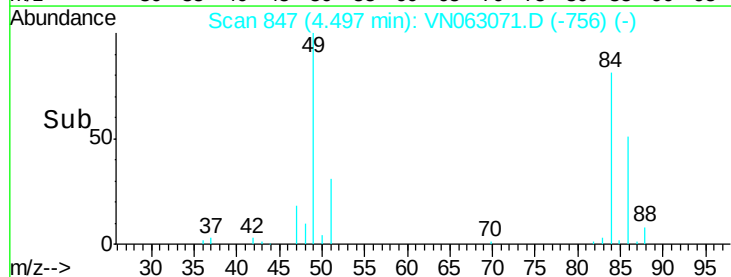
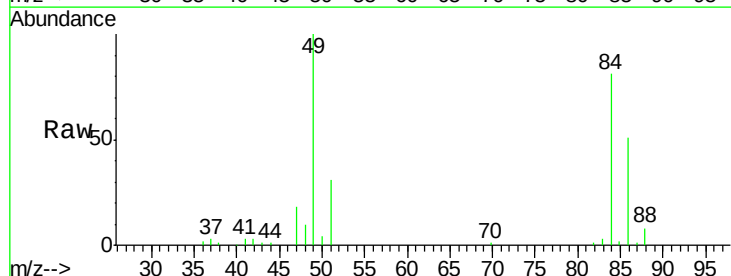
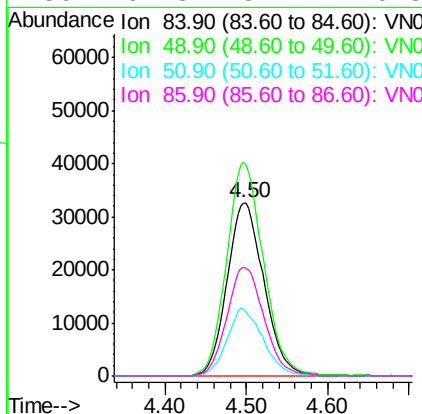
sam
 8/24/2020 5:51:51 PM

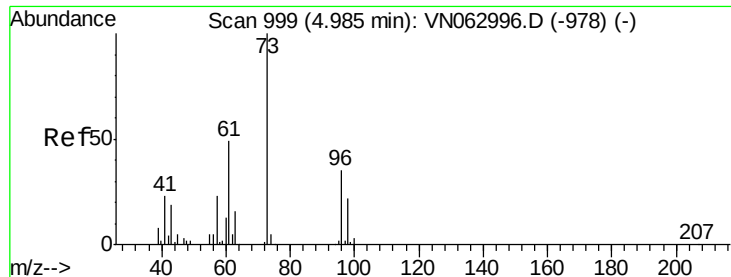


#20

Methylene Chloride
 Concen: 53.831 ug/l
 RT: 4.50 min Scan# 847
 Delta R.T. -0.01 min
 Lab File: VN063071.D
 Acq: 21 Aug 2020 9:55

Tgt Ion	84	Resp	103254
Ion Ratio	100	Lower	Upper
84	100		
49	123.4	98.7	148.1
51	38.4	30.8	46.2
86	62.8	51.2	76.8





#21

trans-1,2-Dichloroethene

Concen: 52.784 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN063071.D

Acq: 21 Aug 2020 9:55

Instrument :

MSVOA_N

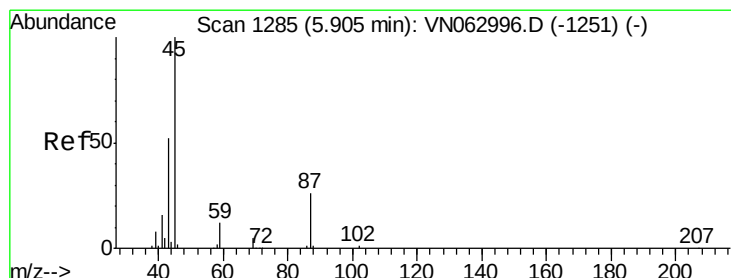
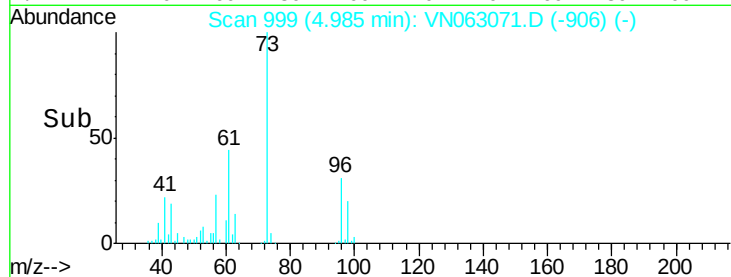
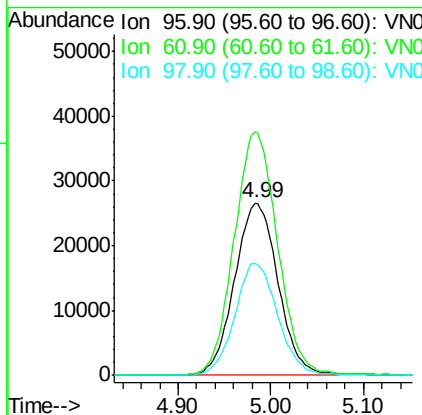
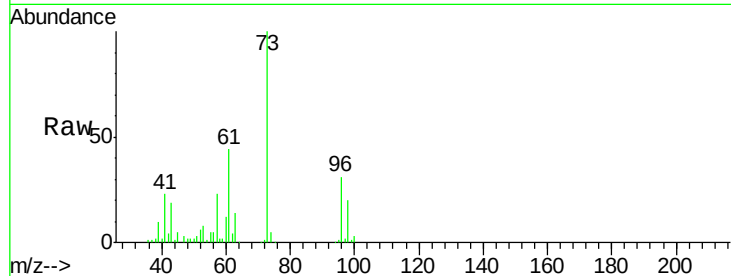
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	86235
Ion	Ratio	Lower	Upper
96	100		
61	140.1	112.5	168.7
98	64.5	49.4	74.0

Manual Integrations
APPROVED

sam
8/24/2020 5:51:51 PM



#22

Diisopropyl ether

Concen: 58.460 ug/l

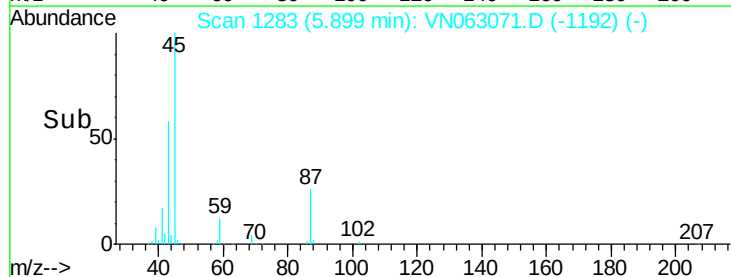
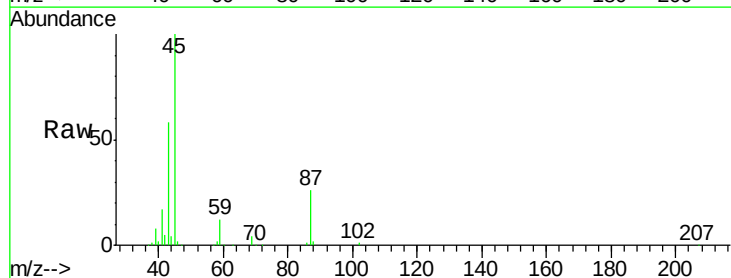
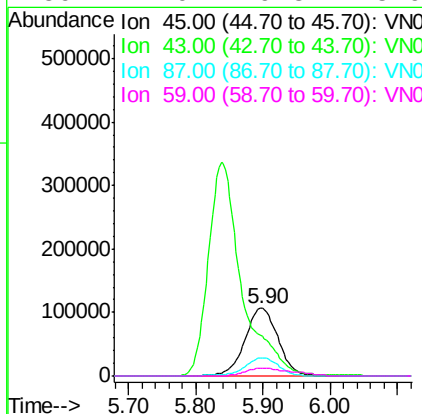
RT: 5.90 min Scan# 1283

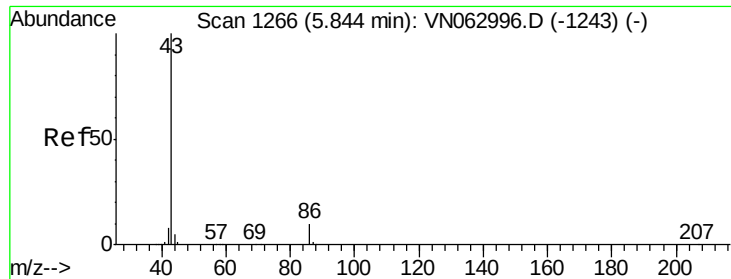
Delta R.T. -0.01 min

Lab File: VN063071.D

Acq: 21 Aug 2020 9:55

Tgt Ion:	45	Resp:	365154
Ion	Ratio	Lower	Upper
45	100		
43	56.3	45.7	68.5
87	26.4	21.8	32.6
59	12.0	9.3	13.9





#23

Vinyl Acetate

Concen: 276.436 ug/l

RT: 5.84 min Scan# 1264

Delta R.T. -0.01 min

Lab File: VN063071.D

Acq: 21 Aug 2020 9:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1165190

Ion Ratio Lower Upper

43 100

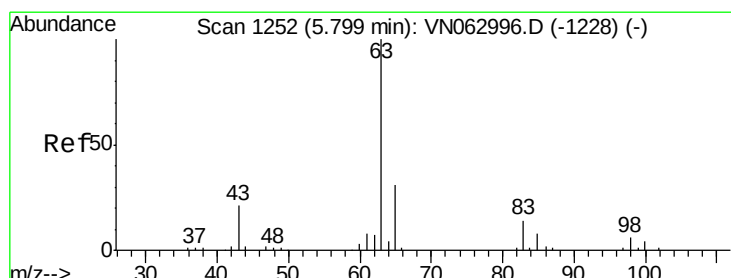
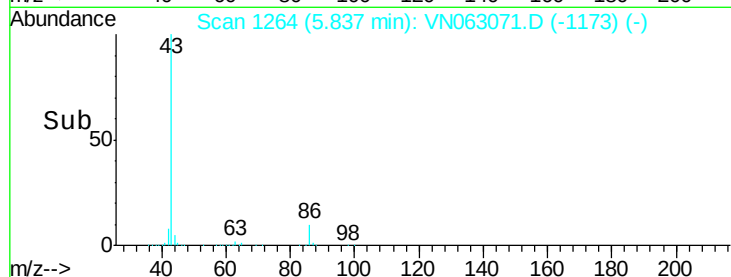
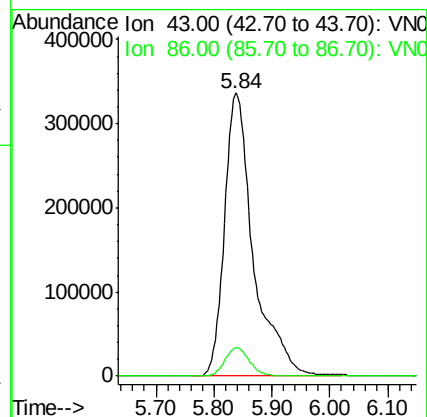
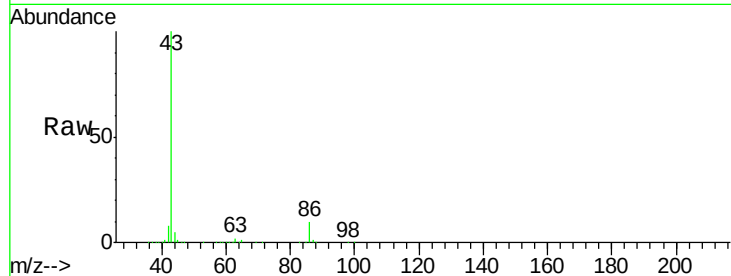
86 10.0 8.0 12.0

Manual Integrations

APPROVED

sam

8/24/2020 5:51:51 PM



#24

1,1-Dichloroethane

Concen: 52.844 ug/l

RT: 5.79 min Scan# 1250

Delta R.T. -0.01 min

Lab File: VN063071.D

Acq: 21 Aug 2020 9:55

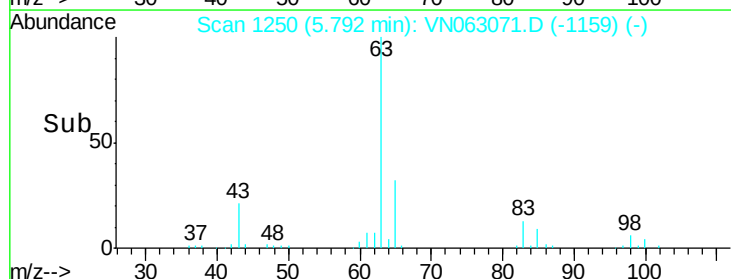
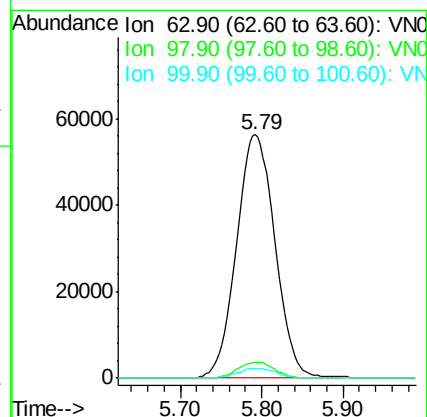
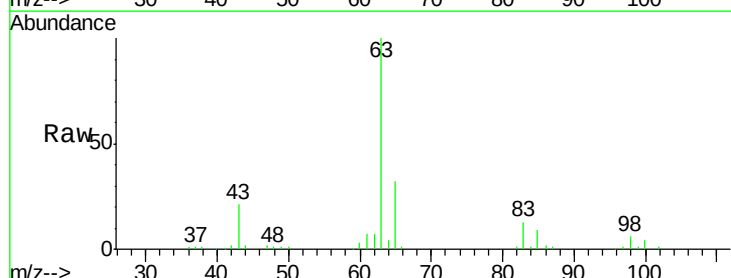
Tgt Ion: 63 Resp: 184449

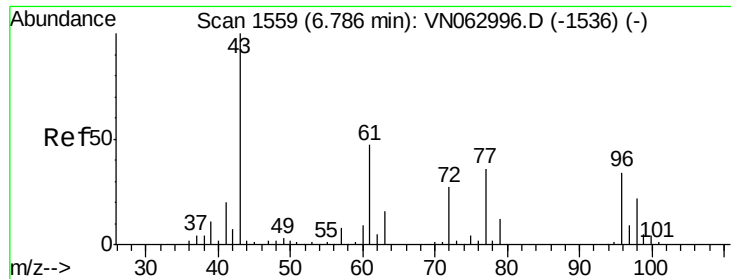
Ion Ratio Lower Upper

63 100

98 6.4 2.9 8.7

100 3.9 2.0 5.8





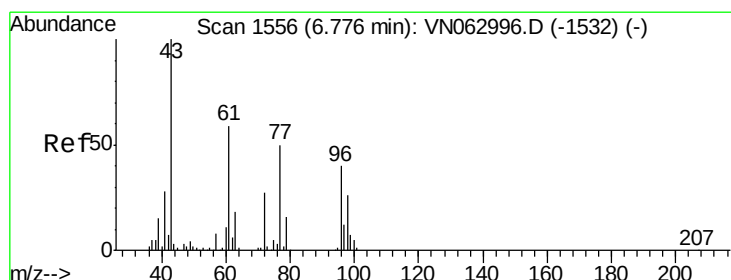
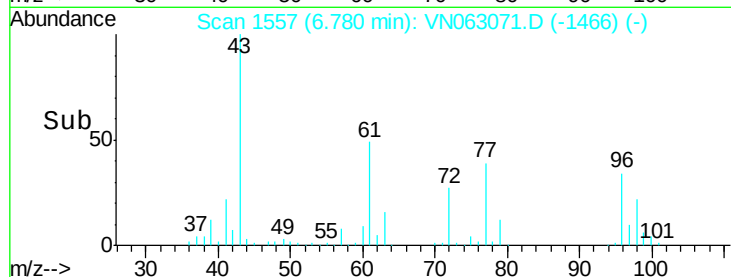
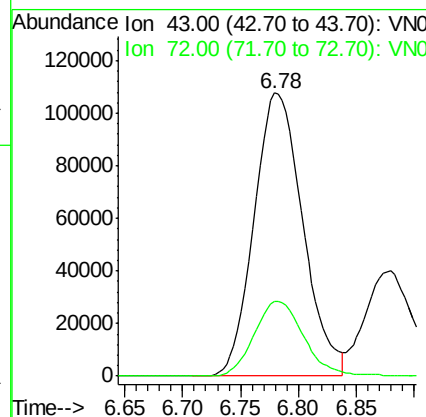
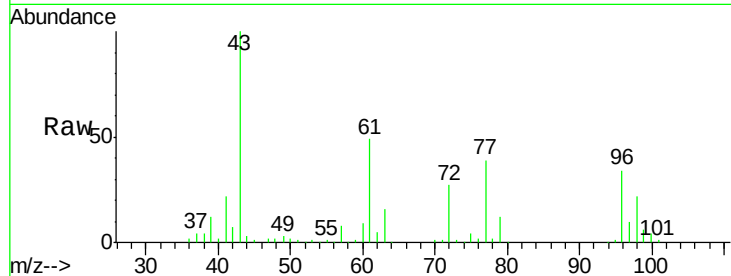
#25
2-Butanone
Concen: 272.478 ug/l
RT: 6.78 min Scan# 1557
Delta R.T. -0.01 min
Lab File: VN063071.D
Acq: 21 Aug 2020 9:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 315316
Ion Ratio Lower Upper
43 100
72 26.5 21.8 32.6

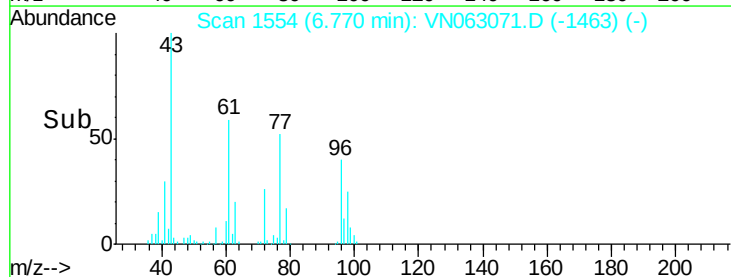
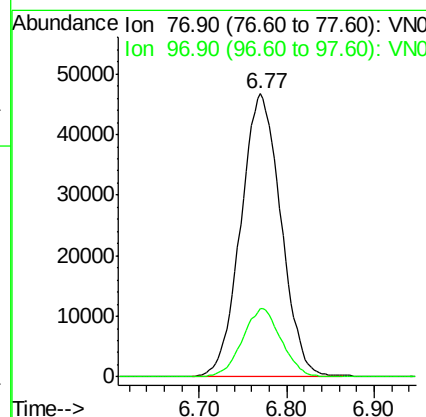
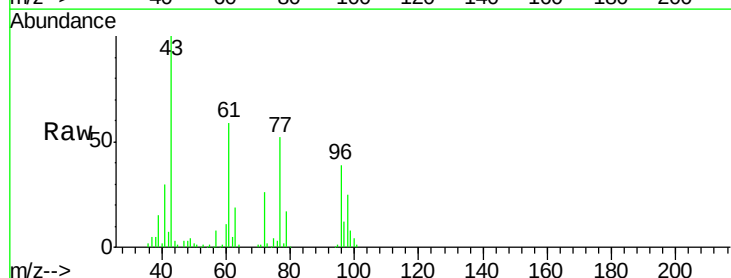
Manual Integrations
APPROVED

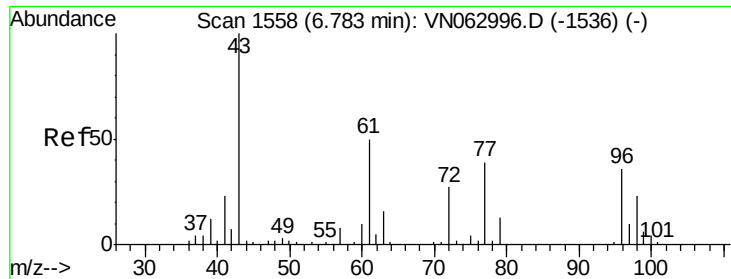
sam
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#26
2,2-Dichloropropane
Concen: 54.166 ug/l
RT: 6.77 min Scan# 1554
Delta R.T. -0.01 min
Lab File: VN063071.D
Acq: 21 Aug 2020 9:55

Tgt Ion: 77 Resp: 148688
Ion Ratio Lower Upper
77 100
97 23.3 11.7 35.1





#27

cis-1,2-Dichloroethene

Concen: 52.984 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. -0.01 min

Lab File: VN063071.D

Acq: 21 Aug 2020 9:55

Instrument :

MSVOA_N

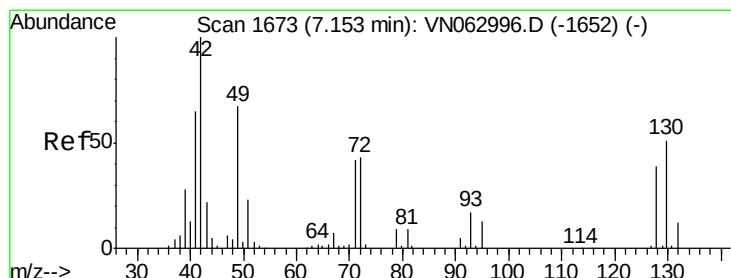
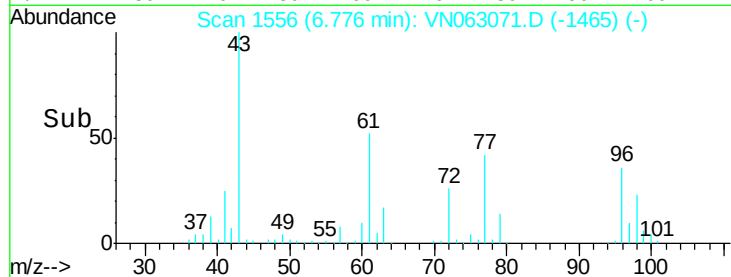
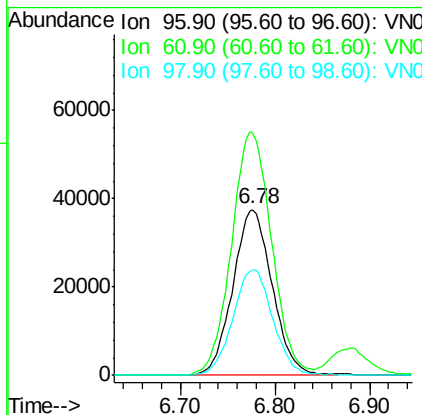
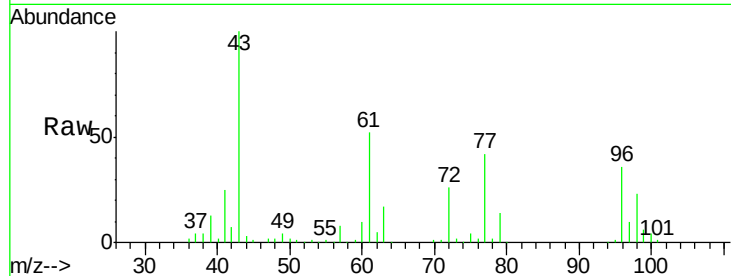
ClientSampled :

VSTDCCC050

Tot Ion:	96	Resp:	108496
Ion Ratio	Lower	Upper	
96	100		
61	149.8	0.0	292.8
98	64.5	0.0	130.6

Manual Integrations
APPROVED

sam
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#28

Bromochloromethane

Concen: 51.008 ug/l

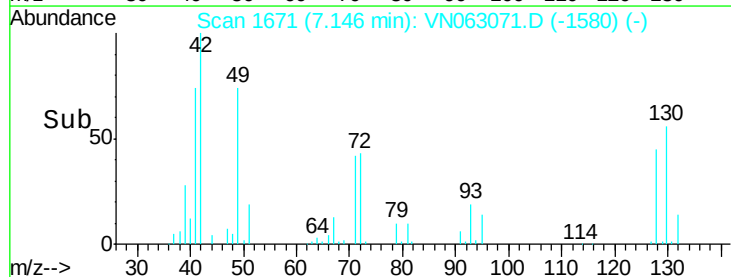
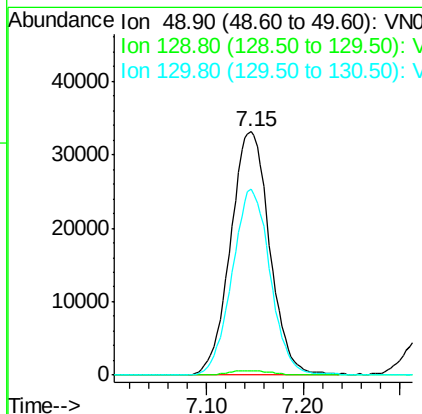
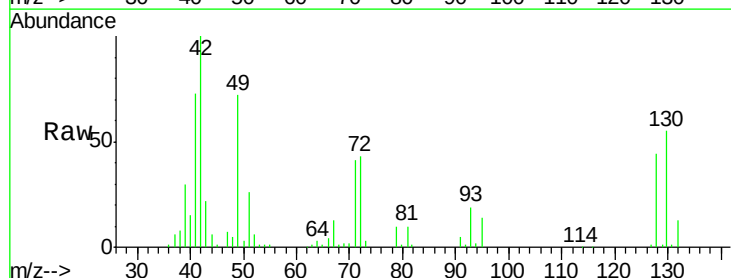
RT: 7.15 min Scan# 1671

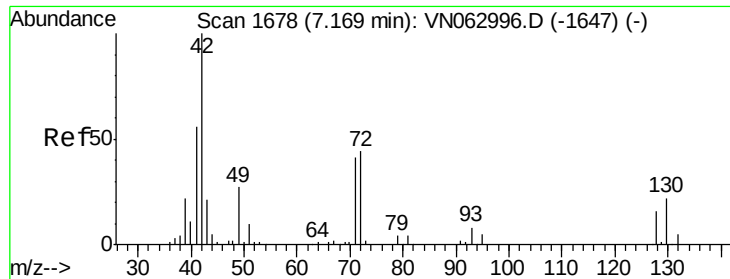
Delta R.T. -0.01 min

Lab File: VN063071.D

Acq: 21 Aug 2020 9:55

Tgt Ion:	49	Resp:	93156
Ion Ratio	Lower	Upper	
49	100		
129	1.9	0.0	3.6
130	74.1	61.1	91.7





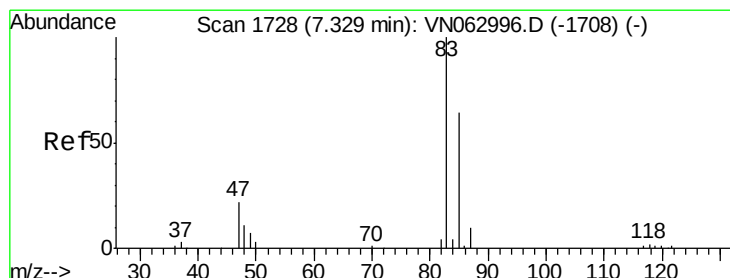
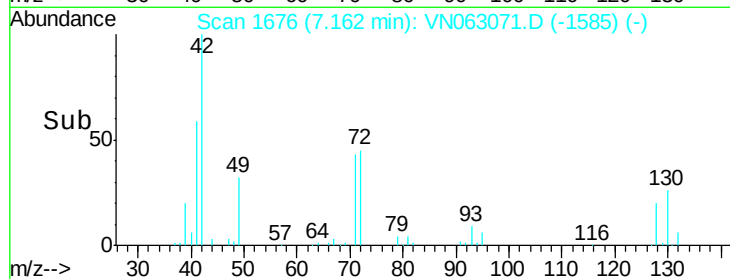
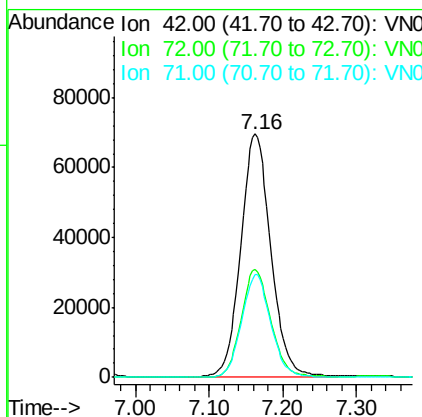
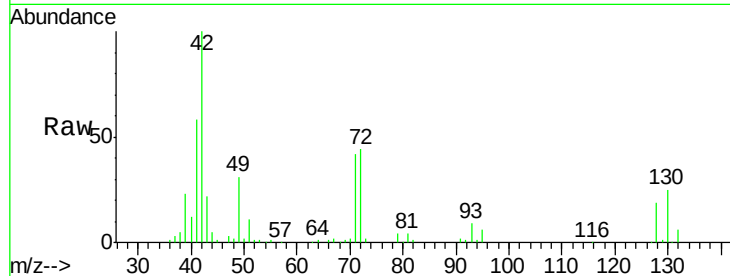
#29
Tetrahydrofuran
Concen: 266.512 ug/l
RT: 7.16 min Scan# 1676
Delta R.T. -0.01 min
Lab File: VN063071.D
Acq: 21 Aug 2020 9:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.4	34.6	52.0
71	40.7	32.3	48.5

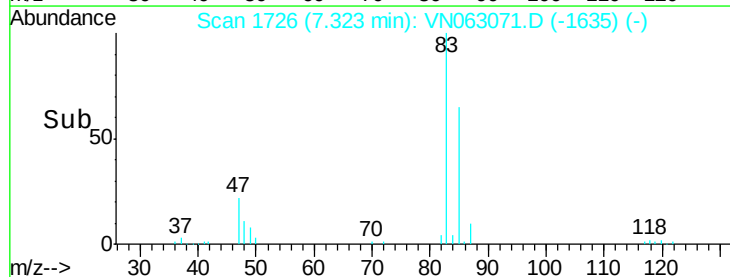
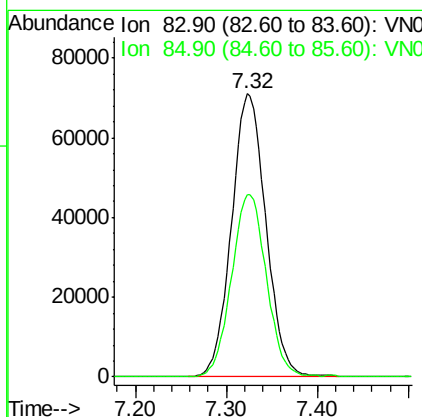
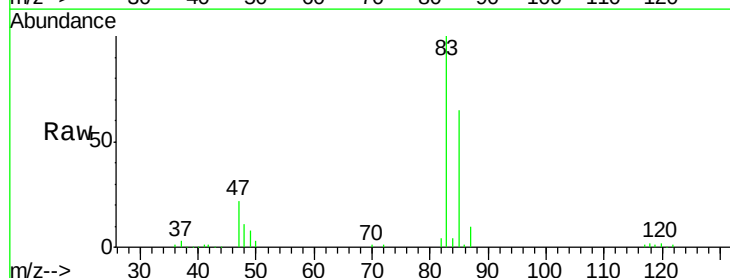
Manual Integrations
APPROVED

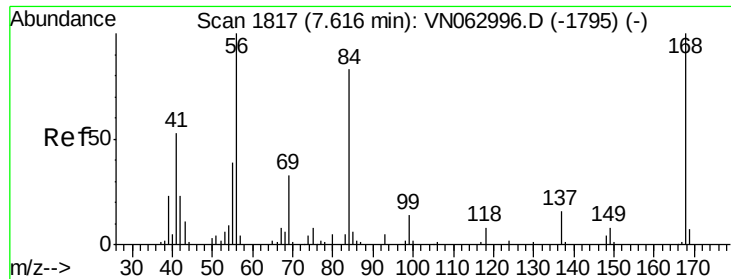
sam
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#30
Chloroform
Concen: 53.123 ug/l
RT: 7.32 min Scan# 1726
Delta R.T. -0.01 min
Lab File: VN063071.D
Acq: 21 Aug 2020 9:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.5	77.3





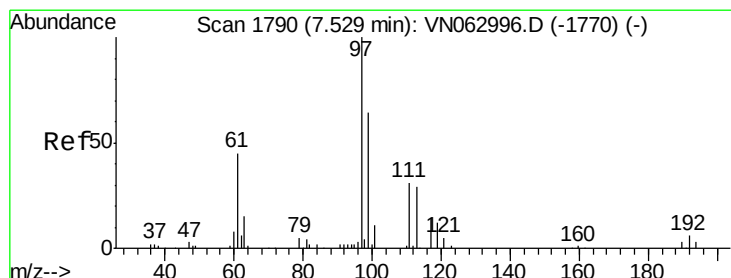
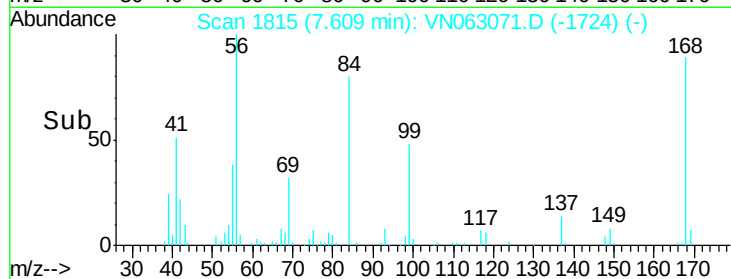
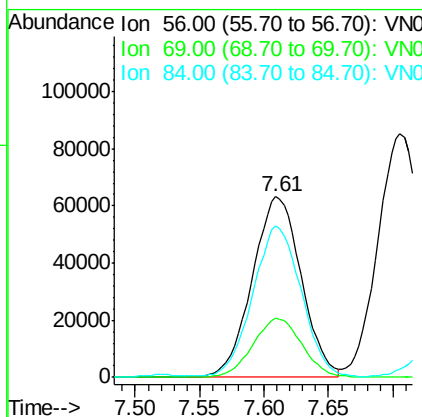
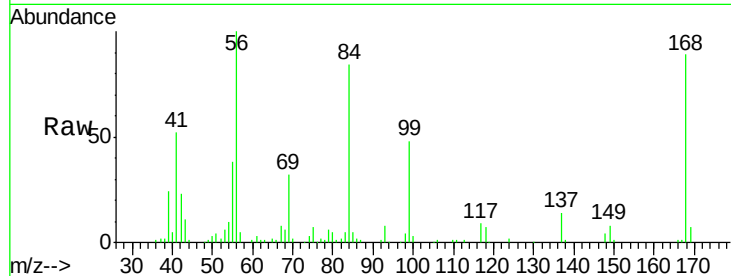
#31
Cyclohexane
Concen: 52.014 ug/l
RT: 7.61 min Scan# 1815
Delta R.T. -0.01 min
Lab File: VN063071.D
Acq: 21 Aug 2020 9:55

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
56	100	167100		
69	32.5	26.6	40.0	
84	83.1	66.4	99.6	

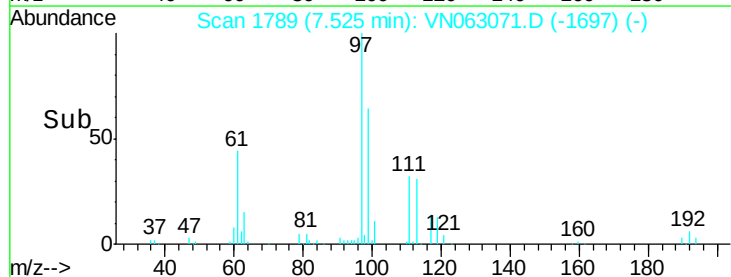
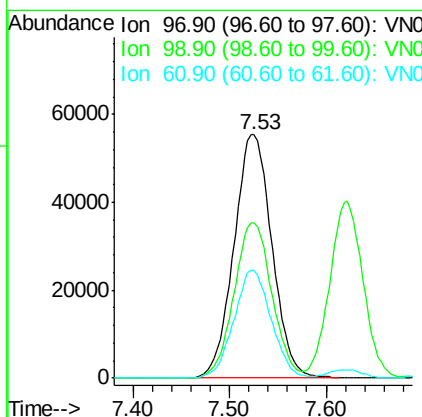
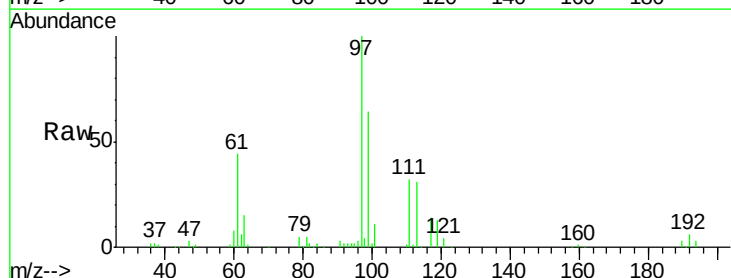
Manual Integrations
APPROVED

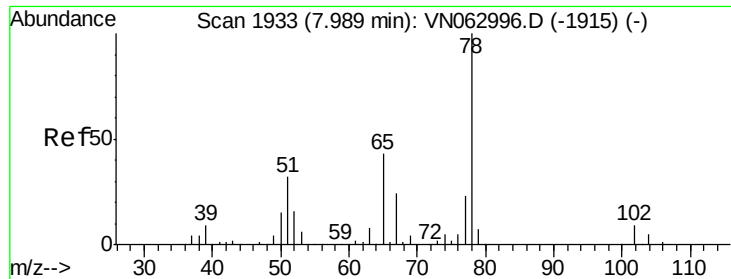
sam
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#32
1,1,1-Trichloroethane
Concen: 52.697 ug/l
RT: 7.53 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VN063071.D
Acq: 21 Aug 2020 9:55

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	151234		
99	63.7	52.0	78.0	
61	43.6	36.2	54.4	





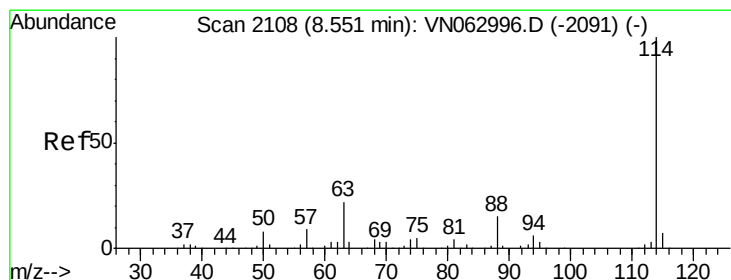
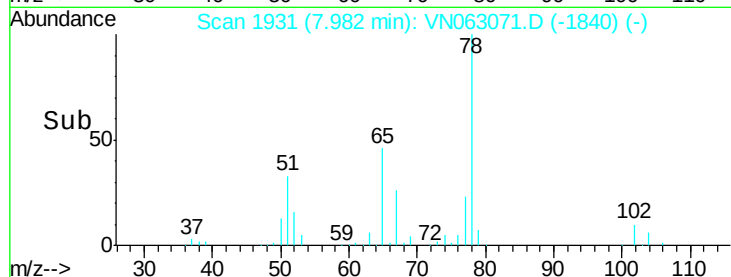
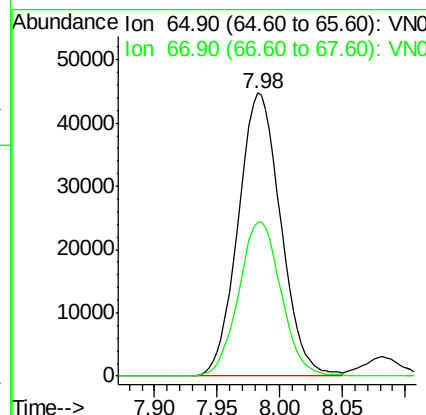
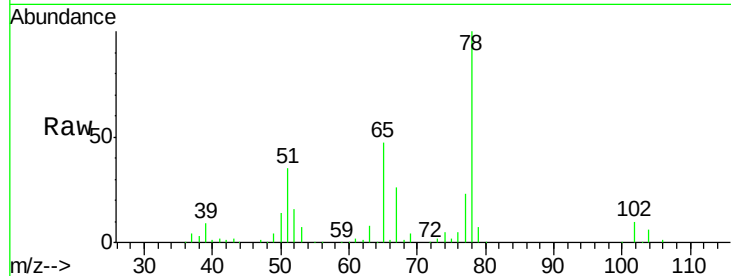
#33
 1,2-Dichloroethane-d4
 Concen: 48.465 ug/l
 RT: 7.98 min Scan# 1931
 Delta R.T. -0.01 min
 Lab File: VN063071.D
 Acq: 21 Aug 2020 9:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.4	0.0	112.0	

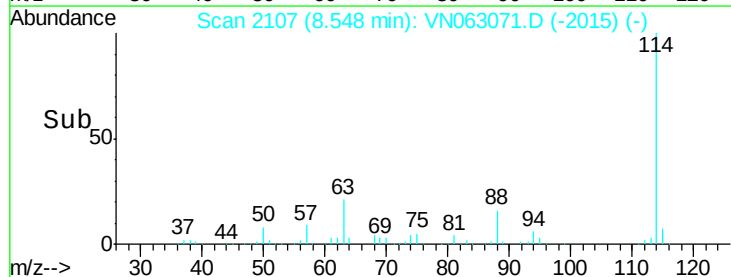
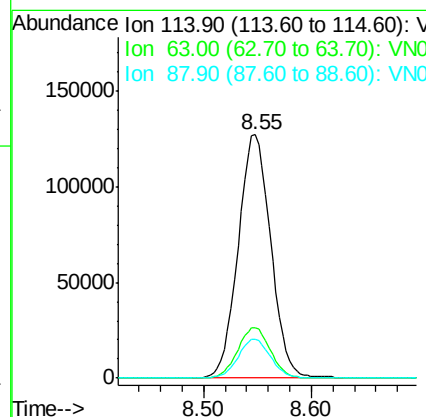
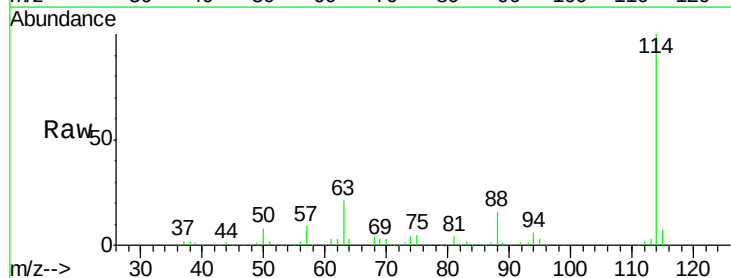
Manual Integrations
 APPROVED

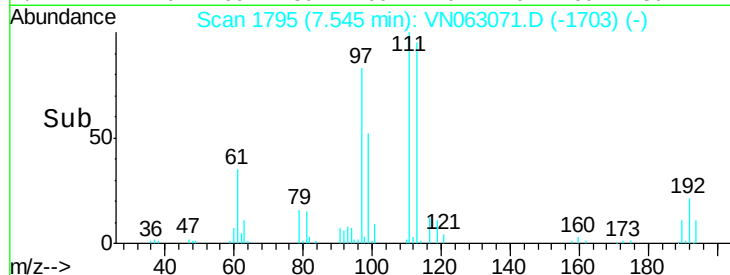
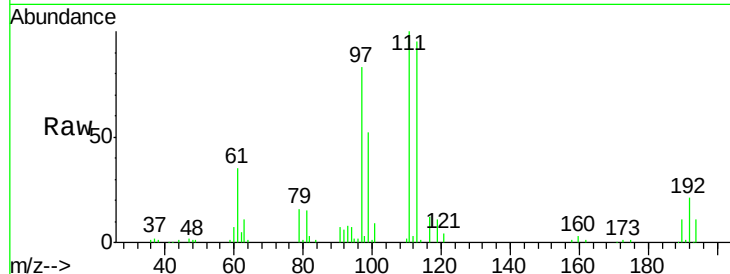
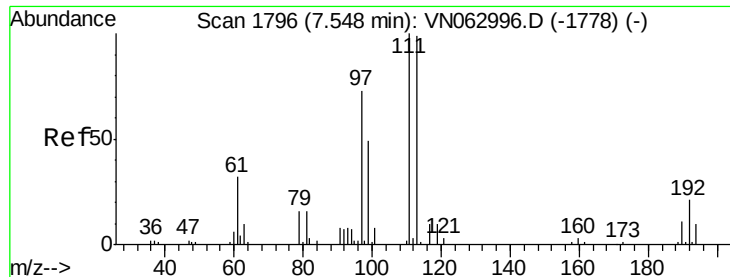
sam
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN063071.D
 Acq: 21 Aug 2020 9:55

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.7	0.0	43.2	
88	16.1	0.0	30.6	





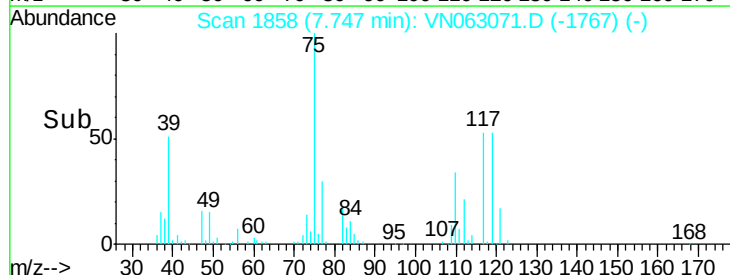
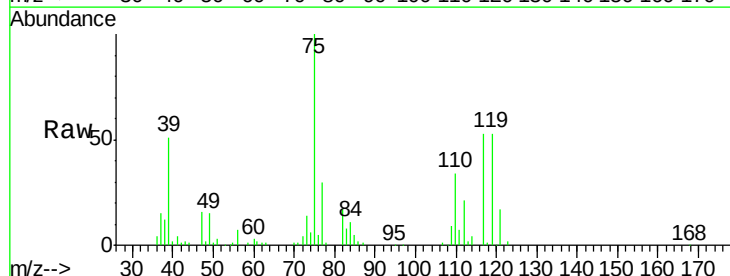
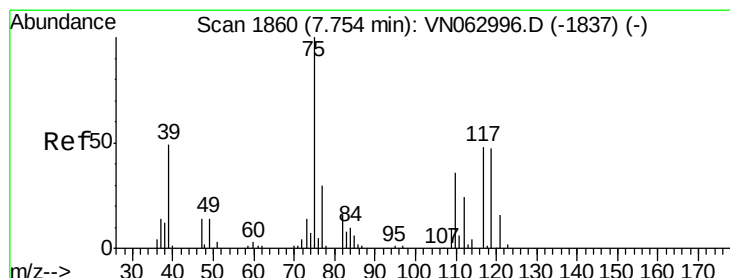
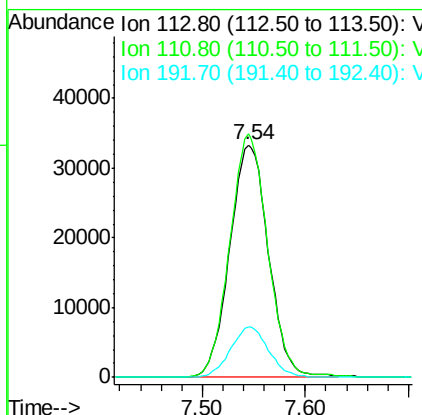
#35
Dibromofluoromethane
Concen: 49.726 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN063071.D
Acq: 21 Aug 2020 9:55

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.8	81.7	122.5	
192	21.2	17.5	26.3	

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

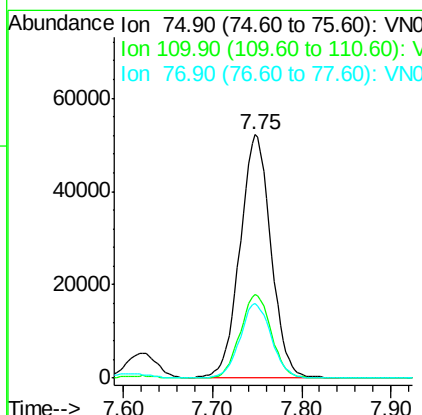
Manual Integrations
APPROVED

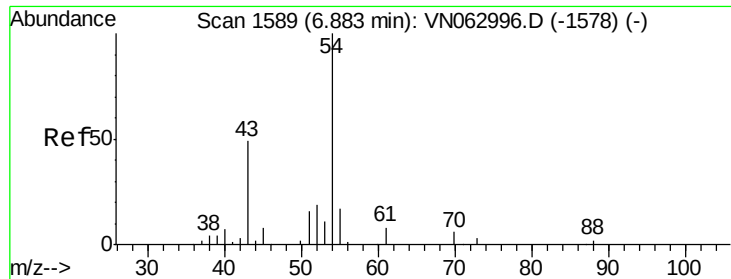
sam
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#36
1,1-Dichloropropene
Concen: 53.405 ug/l
RT: 7.75 min Scan# 1858
Delta R.T. -0.01 min
Lab File: VN063071.D
Acq: 21 Aug 2020 9:55

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	34.1	17.5	52.6	
77	30.8	24.2	36.4	





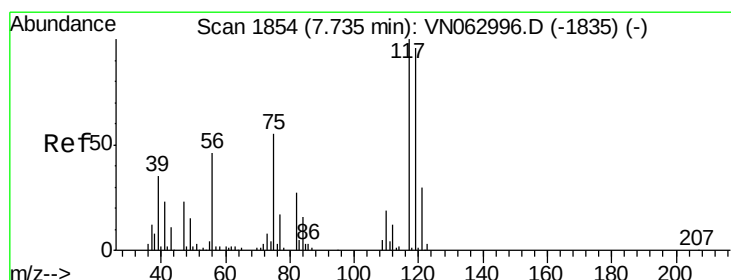
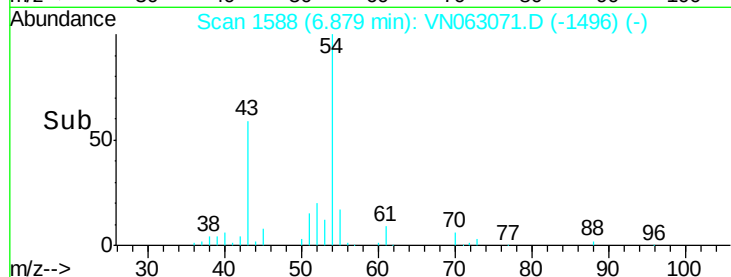
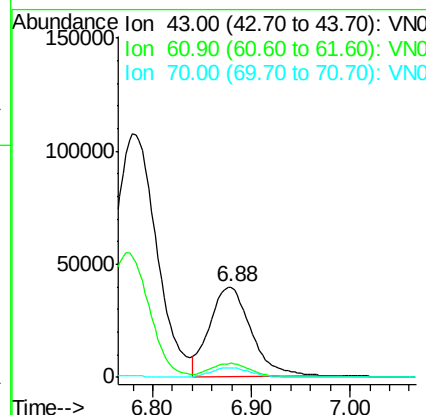
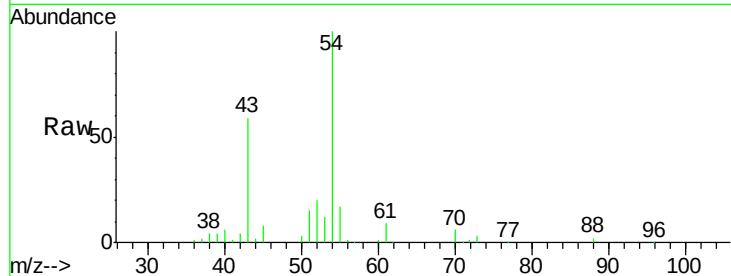
#37
Ethyl Acetate
Concen: 52.456 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VN063071.D
Acq: 21 Aug 2020 9:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	116369
Ion Ratio	Lower	Upper	
43	100		
61	15.5	11.8	17.8
70	10.5	8.2	12.2

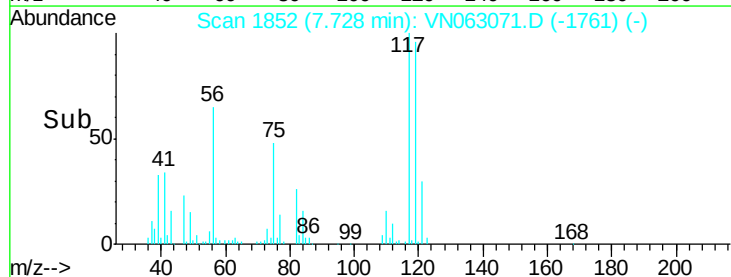
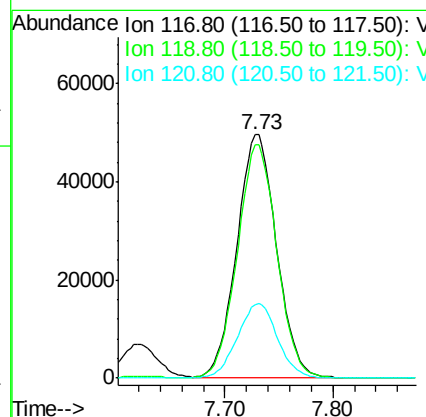
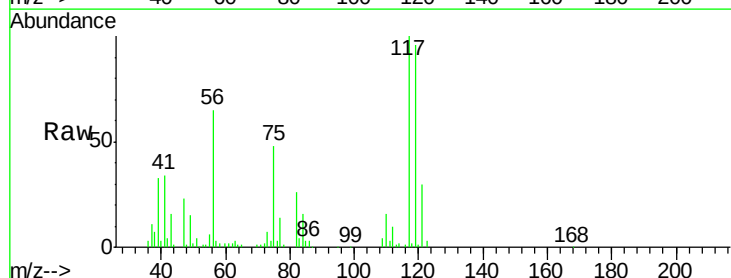
Manual Integrations
APPROVED

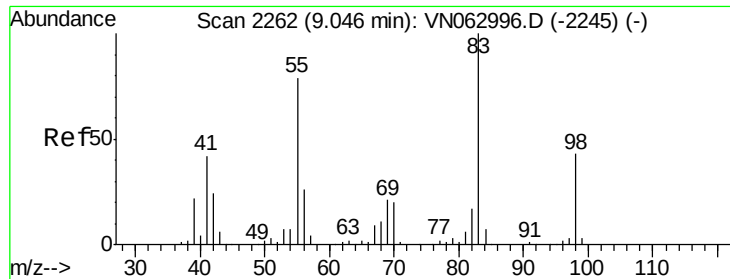
sam
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#38
Carbon Tetrachloride
Concen: 52.776 ug/l
RT: 7.73 min Scan# 1852
Delta R.T. -0.01 min
Lab File: VN063071.D
Acq: 21 Aug 2020 9:55

Tgt Ion	117	Resp	126146
Ion Ratio	Lower	Upper	
117	100		
119	96.0	76.2	114.4
121	30.3	24.2	36.2





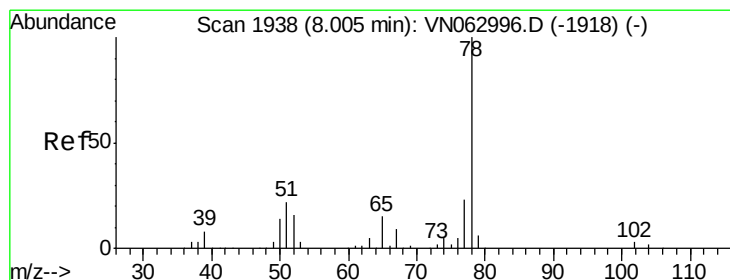
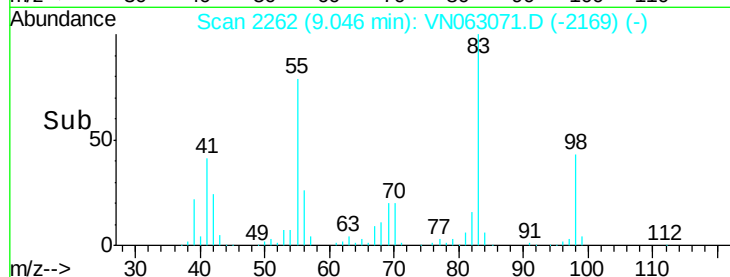
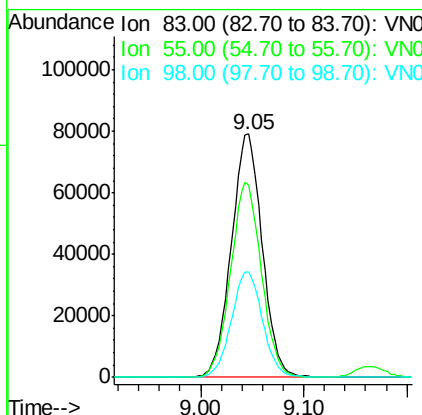
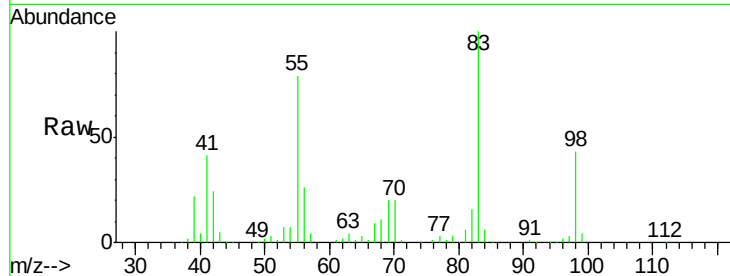
#39
Methylvlcyclohexane
Concen: 51.607 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN063071.D
Acq: 21 Aug 2020 9:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	165121		
55	78.9	63.3	94.9	
98	43.4	34.2	51.4	

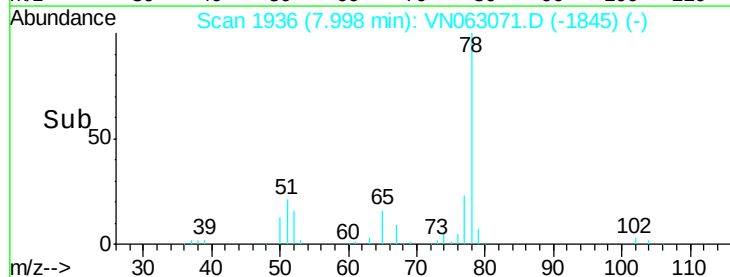
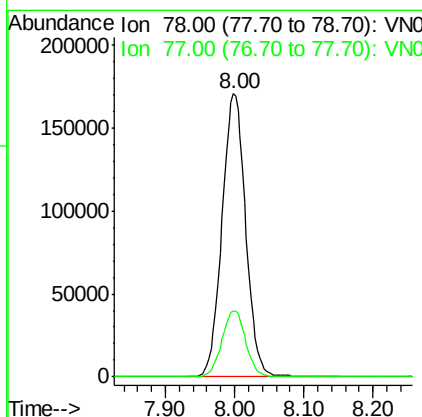
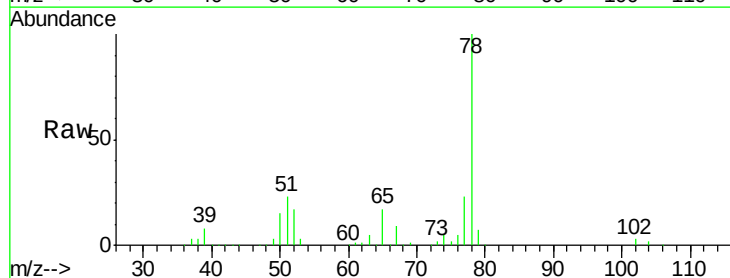
Manual Integrations
APPROVED

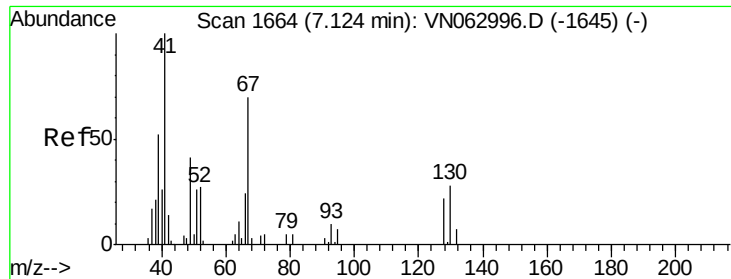
Sam
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#40
Benzene
Concen: 54.002 ug/l
RT: 8.00 min Scan# 1936
Delta R.T. -0.01 min
Lab File: VN063071.D
Acq: 21 Aug 2020 9:55

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	405499		
77	23.1	18.8	28.2	





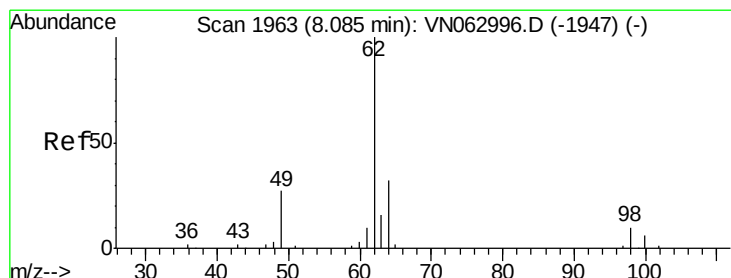
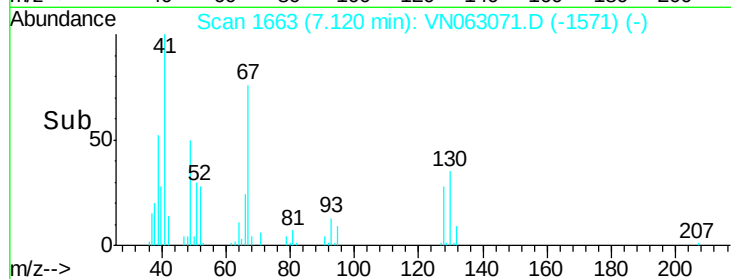
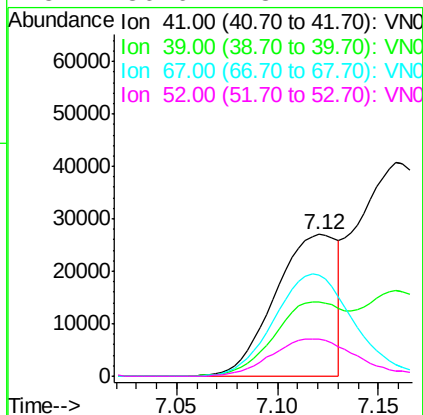
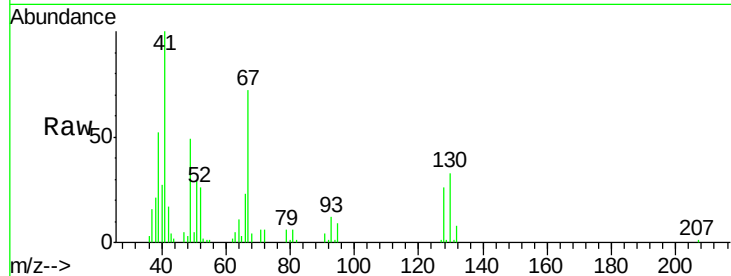
#41
Methacrylonitrile
Concen: 54.805 ug/l
RT: 7.12 min Scan# 1663
Delta R.T. -0.00 min
Lab File: VN063071.D
Acq: 21 Aug 2020 9:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	57927
Ion Ratio	Lower	Upper	
41	100		
39	60.5	41.6	62.4
67	92.9	71.8	107.8
52	36.6	28.2	42.4

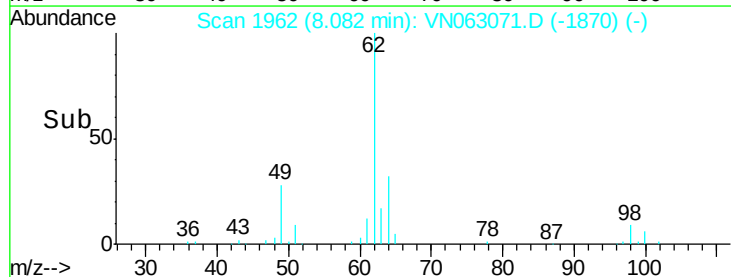
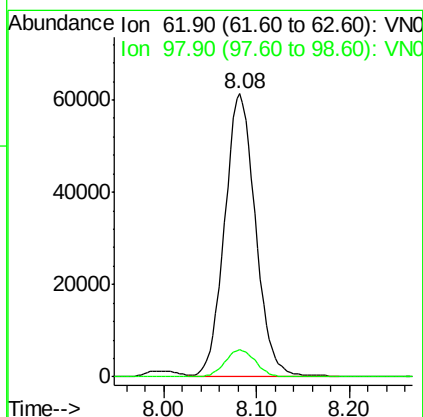
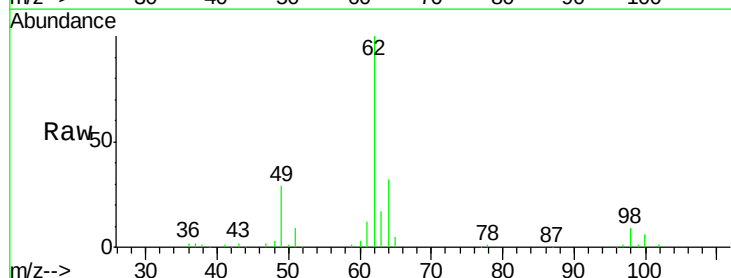
Manual Integrations
APPROVED

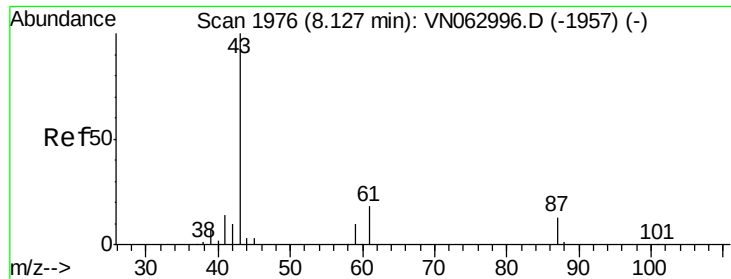
sam
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#42
1,2-Dichloroethane
Concen: 55.995 ug/l
RT: 8.08 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VN063071.D
Acq: 21 Aug 2020 9:55

Tgt Ion	62	Resp	141181
Ion Ratio	Lower	Upper	
62	100		
98	9.5	0.0	18.4





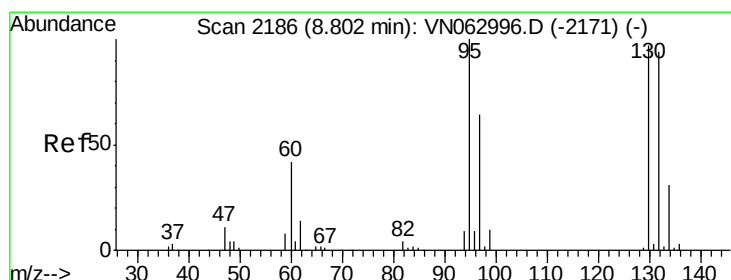
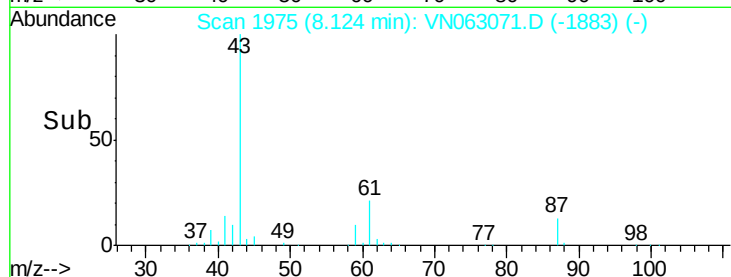
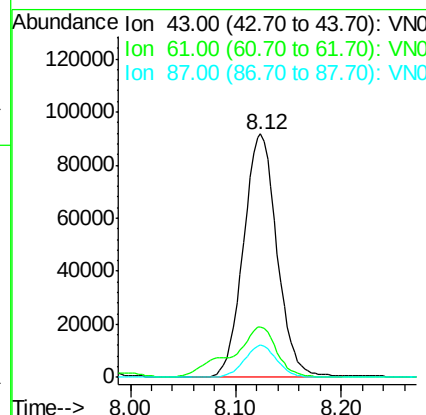
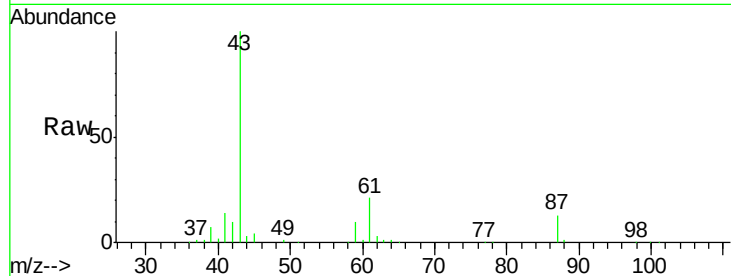
#43
Isopropyl Acetate
Concen: 55.173 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN063071.D
Acq: 21 Aug 2020 9:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.6	22.6	33.8#
87	12.9	10.5	15.7

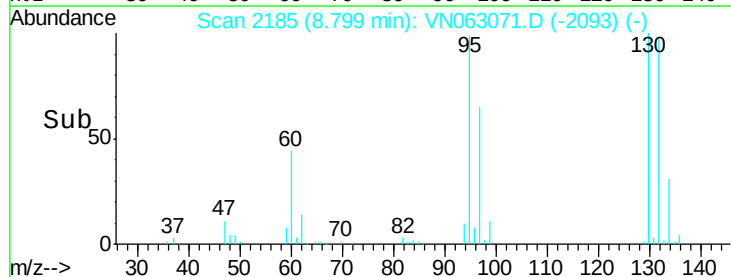
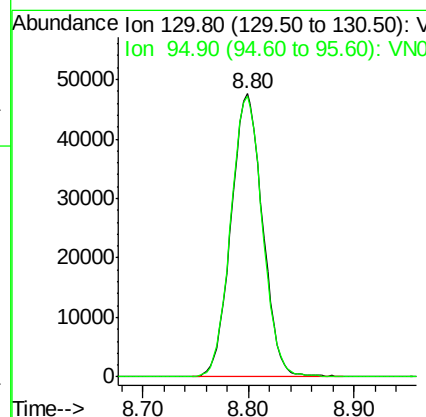
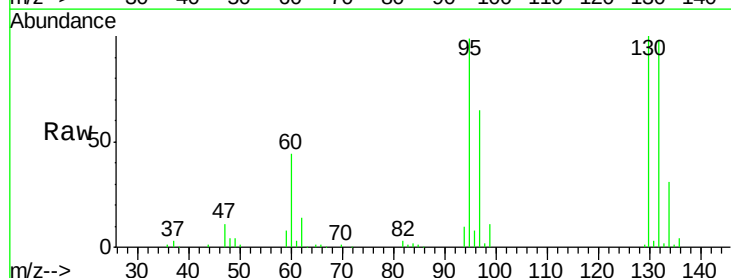
Manual Integrations
APPROVED

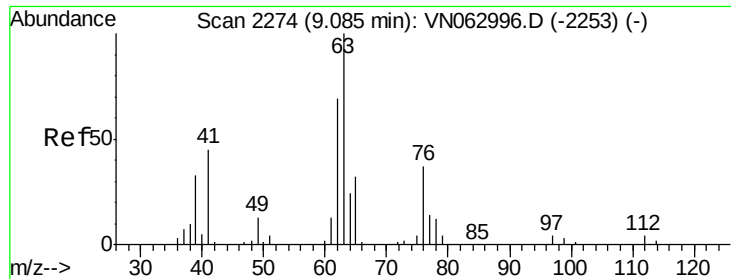
sam
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#44
Trichloroethene
Concen: 52.754 ug/l
RT: 8.80 min Scan# 2185
Delta R.T. -0.00 min
Lab File: VN063071.D
Acq: 21 Aug 2020 9:55

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.1	0.0	205.6





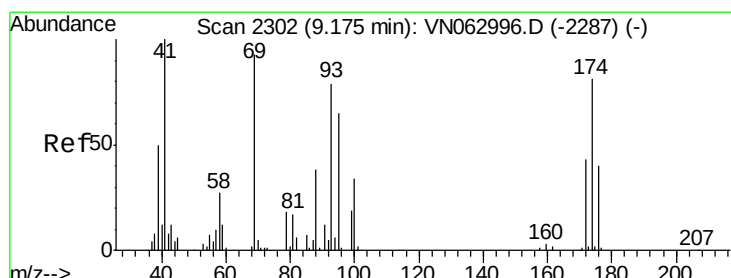
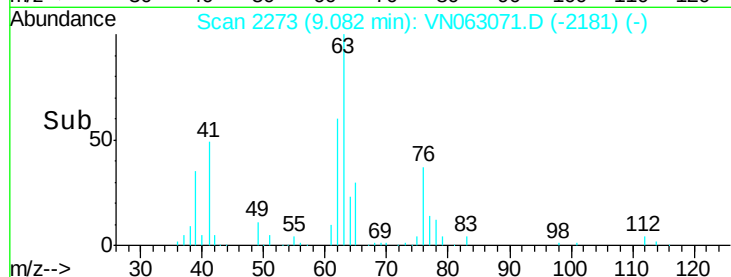
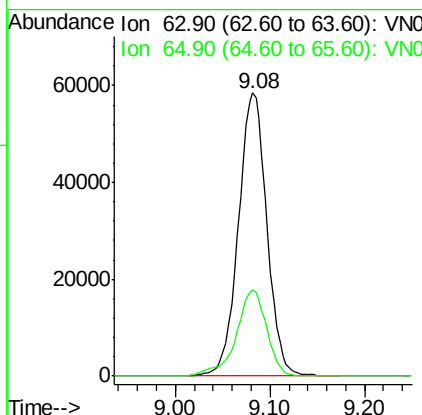
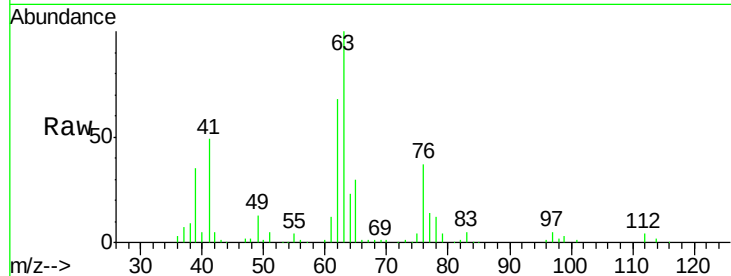
#45
 1,2-Dichloropropane
 Concen: 56.287 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN063071.D
 Acq: 21 Aug 2020 9:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.5	25.6	38.4

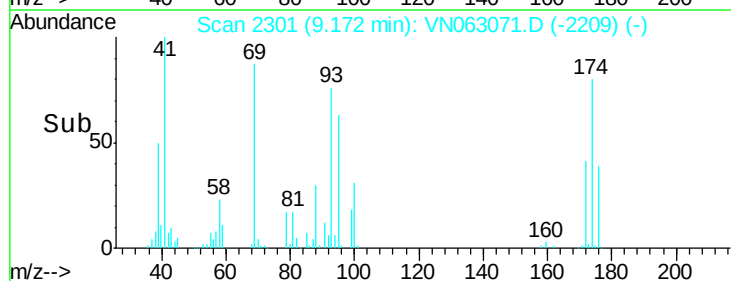
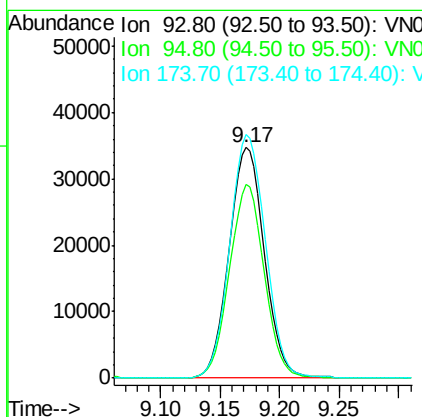
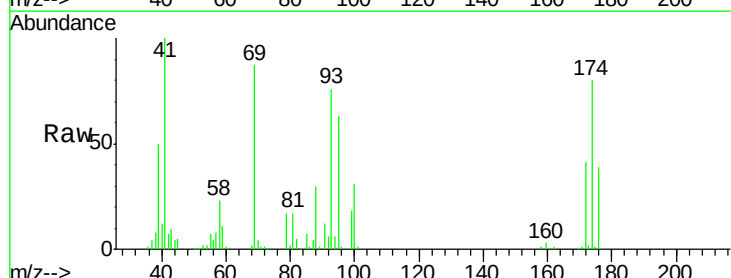
Manual Integrations
 APPROVED

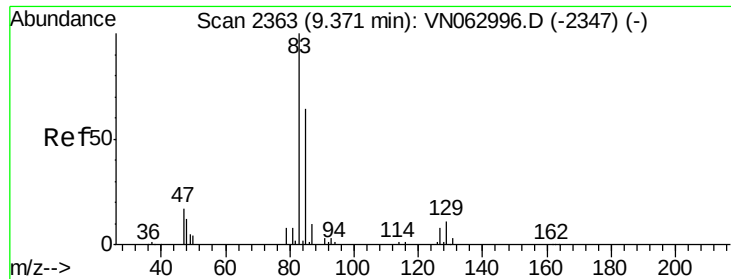
sam
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#46
 Dibromomethane
 Concen: 57.166 ug/l
 RT: 9.17 min Scan# 2301
 Delta R.T. -0.00 min
 Lab File: VN063071.D
 Acq: 21 Aug 2020 9:55

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.2	66.2	99.4
174	106.4	84.6	127.0





#47

Bromodichloromethane

Concen: 56.432 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN063071.D

Acq: 21 Aug 2020 9:55

Instrument :

MSVOA_N

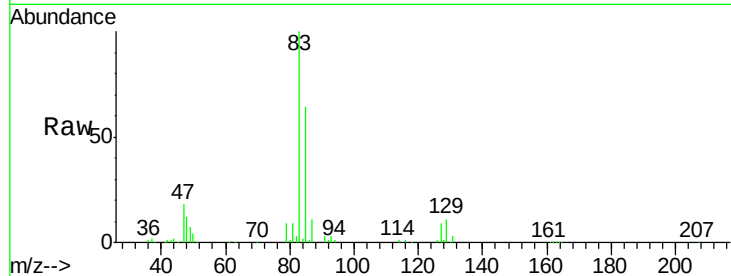
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	154981
Ion Ratio	Lower	Upper	
83	100		
85	63.7	51.1	76.7
127	8.6	6.6	9.8

Manual Integrations
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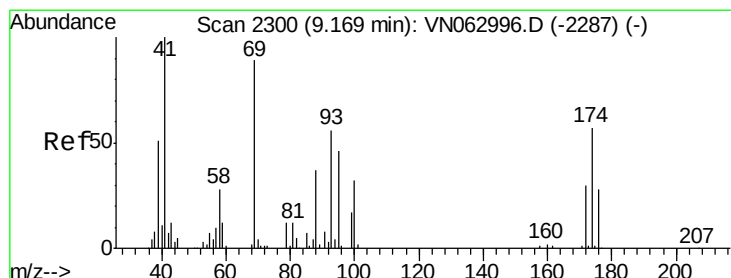
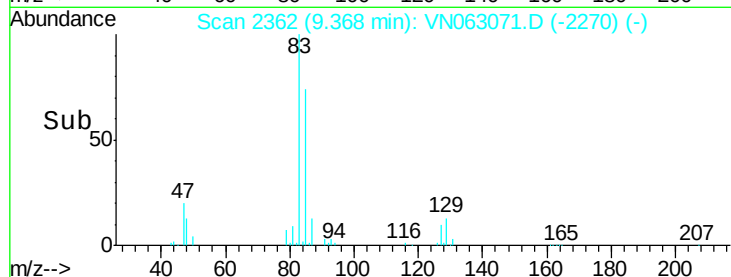
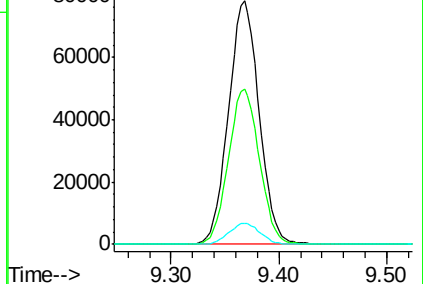
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Abundance Ion 82.90 (82.60 to 83.60): VN062996.D (-2347) (-)

Ion 84.90 (84.60 to 85.60): VN062996.D (-2347) (-)

Ion 126.80 (126.50 to 127.50): VN062996.D (-2347) (-)



#48

Methyl methacrylate

Concen: 58.253 ug/l

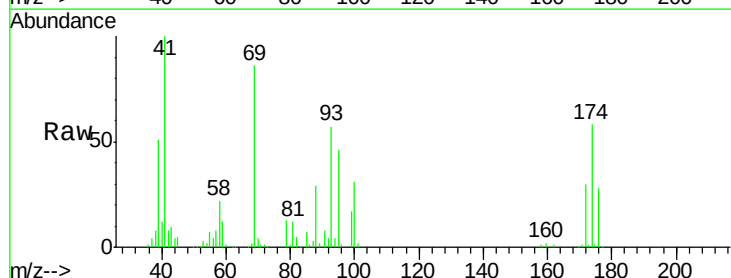
RT: 9.17 min Scan# 2299

Delta R.T. -0.00 min

Lab File: VN063071.D

Acq: 21 Aug 2020 9:55

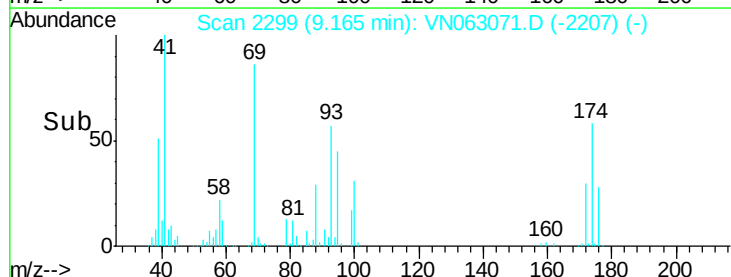
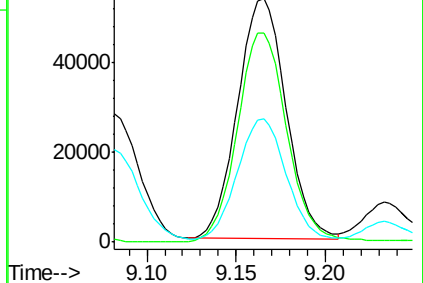
Tgt Ion:	41	Resp:	101297
Ion Ratio	Lower	Upper	
41	100		
69	90.1	74.2	111.4
39	52.5	42.5	63.7

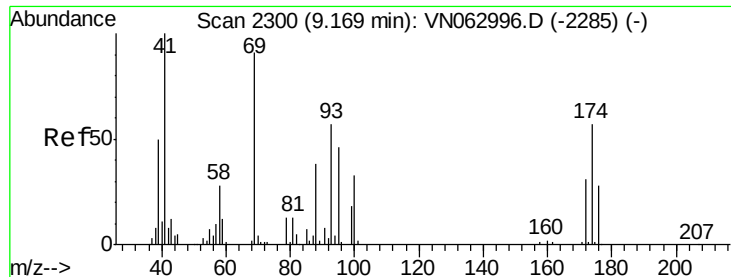


Abundance Ion 41.00 (40.70 to 41.70): VN062996.D (-2287) (-)

Ion 69.00 (68.70 to 69.70): VN062996.D (-2287) (-)

Ion 39.00 (38.70 to 39.70): VN062996.D (-2287) (-)





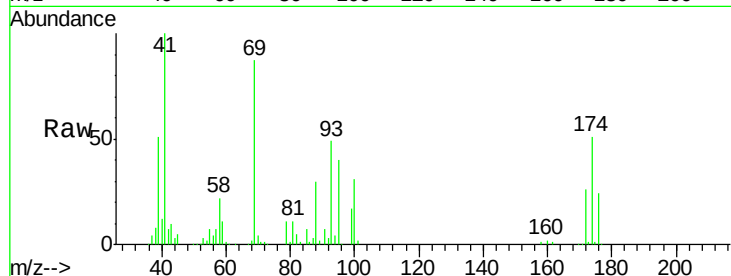
#49
1,4-Dioxane
Concen: 877.309 ug/l
RT: 9.16 min Scan# 2298
Delta R.T. -0.01 min
Lab File: VN063071.D
Acq: 21 Aug 2020 9:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.7	25.2	37.8
58	72.6	56.7	85.1

Manual Integrations
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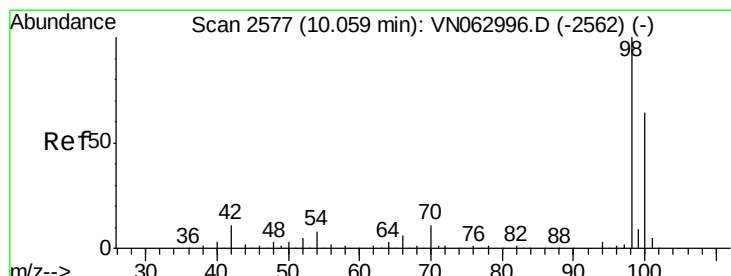
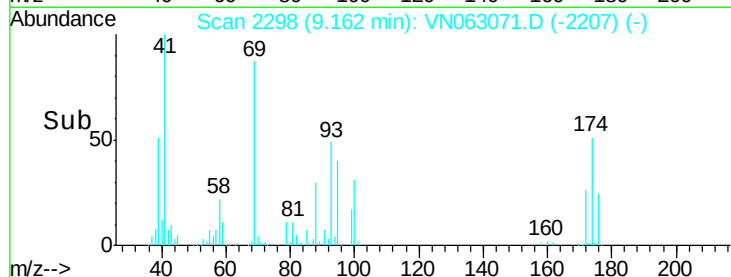
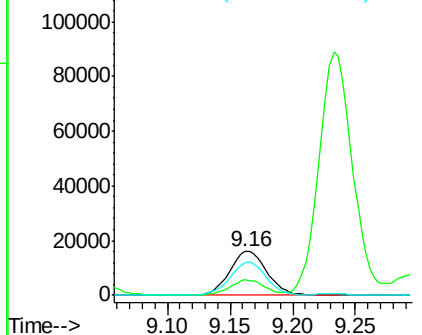


Abundance

Ion 88.00 (87.70 to 88.70): VN063071.D (-2298) (-)

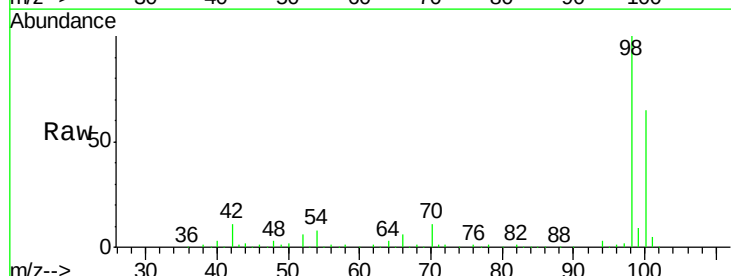
Ion 43.00 (42.70 to 43.70): VN063071.D (-2298) (-)

Ion 58.00 (57.70 to 58.70): VN063071.D (-2298) (-)



#50
Toluene-d8
Concen: 49.343 ug/l
RT: 10.06 min Scan# 2576
Delta R.T. -0.00 min
Lab File: VN063071.D
Acq: 21 Aug 2020 9:55

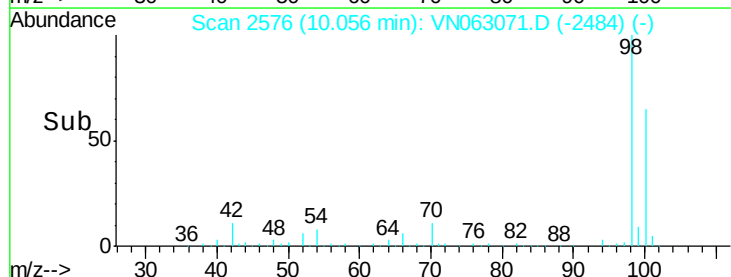
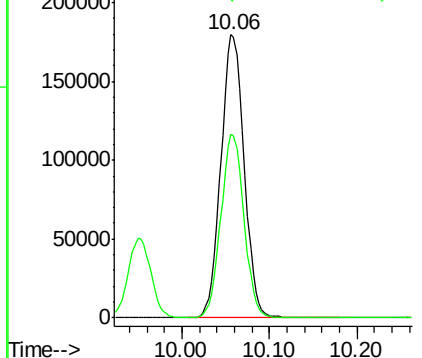
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.2	76.8

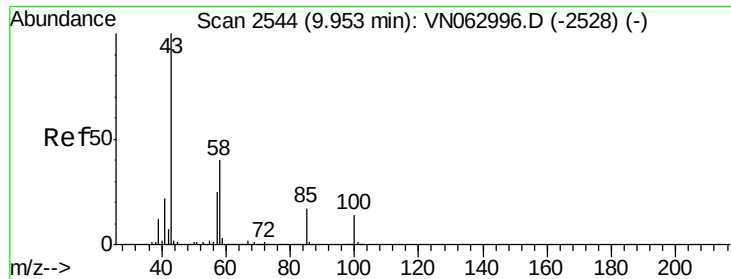


Abundance

Ion 98.00 (97.70 to 98.70): VN063071.D (-2576) (-)

Ion 100.00 (99.70 to 100.70): VN063071.D (-2576) (-)





#51

4-Methyl-2-Pentanone

Concen: 281.197 ug/l

RT: 9.95 min Scan# 2543

Delta R.T. -0.00 min

Lab File: VN063071.D

Acq: 21 Aug 2020 9:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 653237

Ion Ratio Lower Upper

43 100

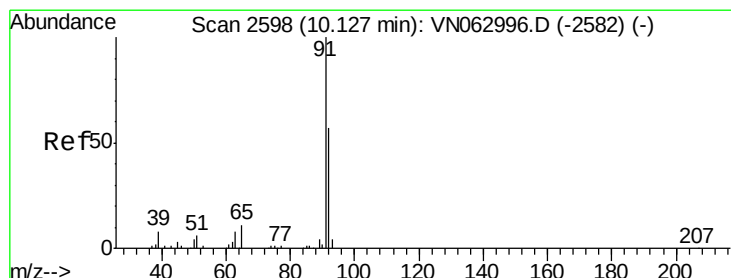
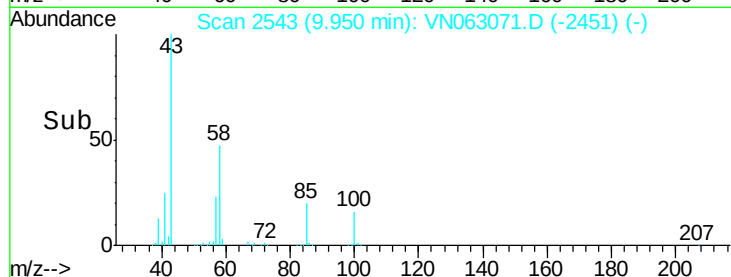
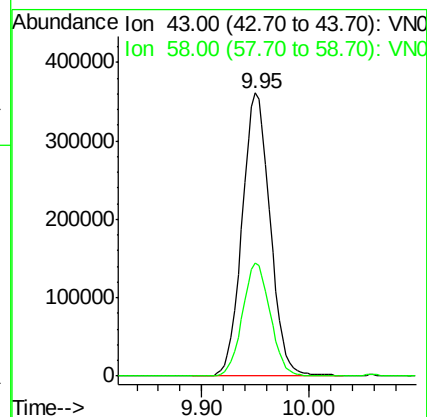
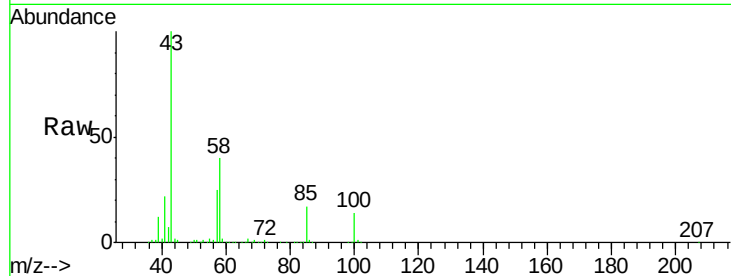
58 39.7 32.2 48.2

Manual Integrations

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#52

Toluene

Concen: 56.087 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN063071.D

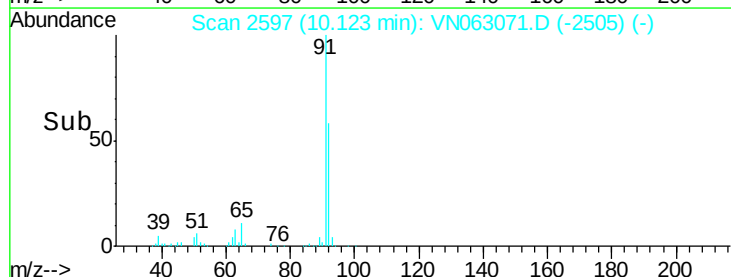
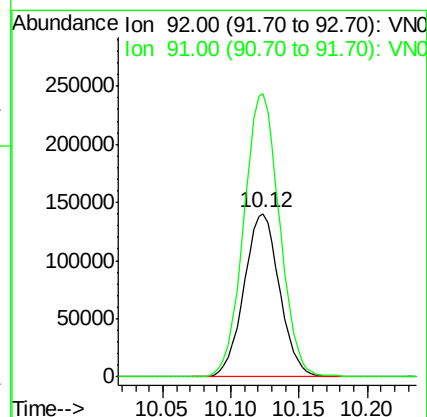
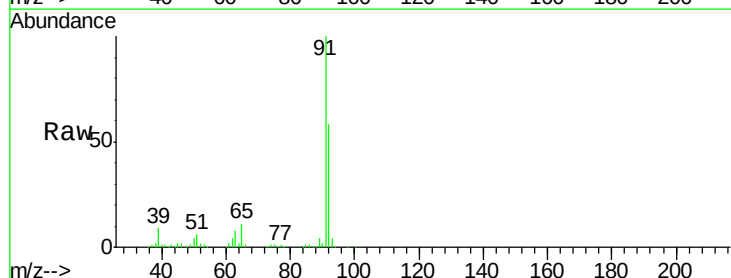
Acq: 21 Aug 2020 9:55

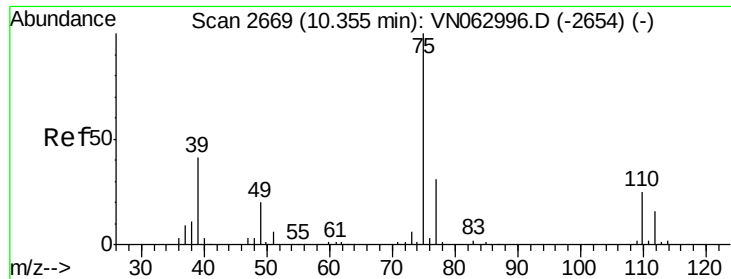
Tgt Ion: 92 Resp: 254055

Ion Ratio Lower Upper

92 100

91 174.7 139.2 208.8





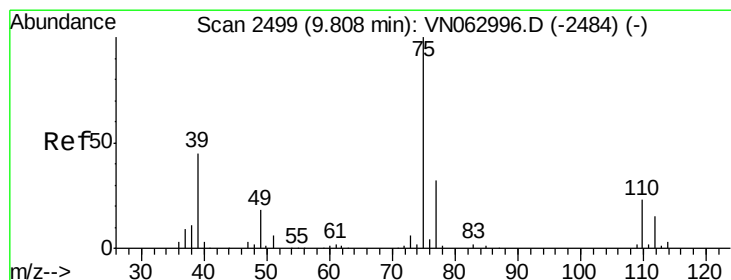
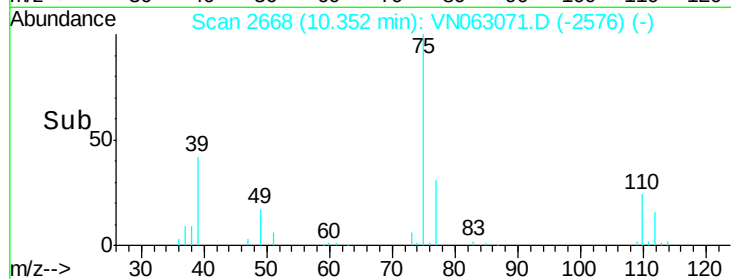
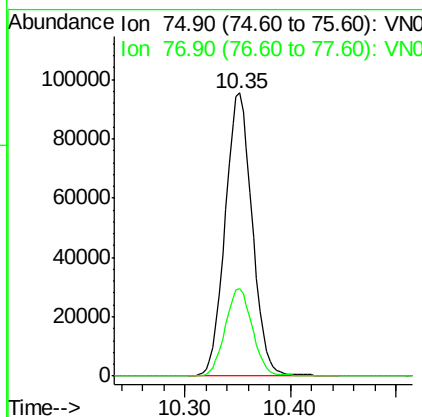
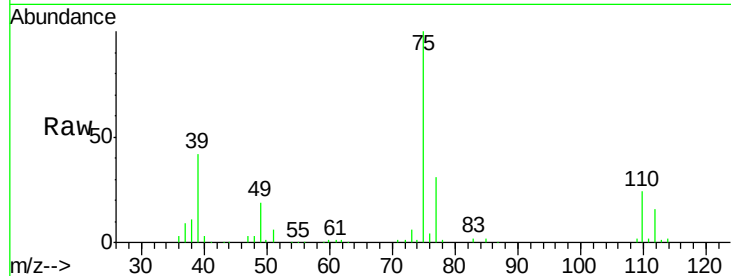
#53
 t-1,3-Dichloropropene
 Concen: 59.612 ug/l
 RT: 10.35 min Scan# 2668
 Delta R.T. -0.00 min
 Lab File: VN063071.D
 Acq: 21 Aug 2020 9:55

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	24.6	37.0

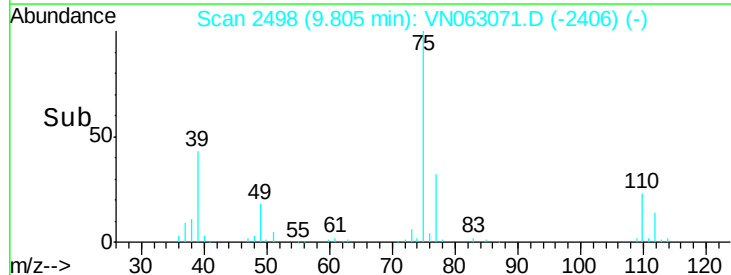
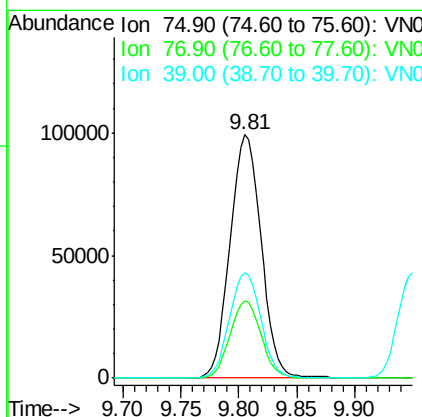
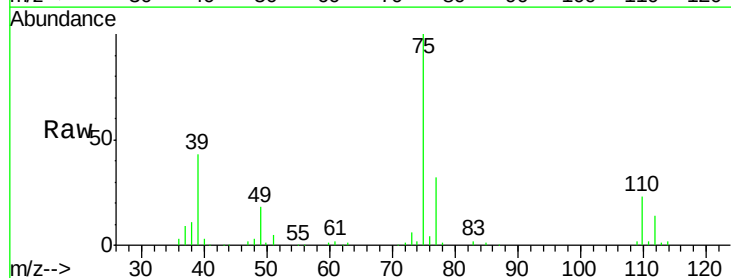
Manual Integrations
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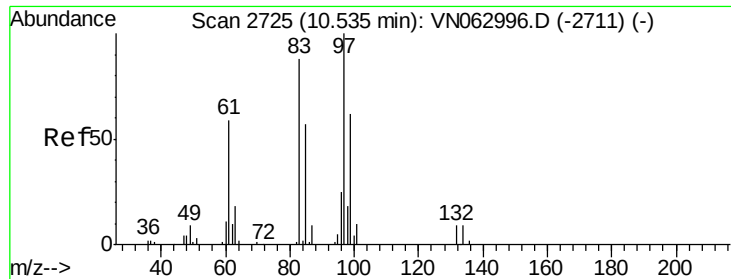
sam
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#54
 cis-1,3-Dichloropropene
 Concen: 59.087 ug/l
 RT: 9.81 min Scan# 2498
 Delta R.T. -0.00 min
 Lab File: VN063071.D
 Acq: 21 Aug 2020 9:55

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.4	38.2
39	43.3	35.7	53.5





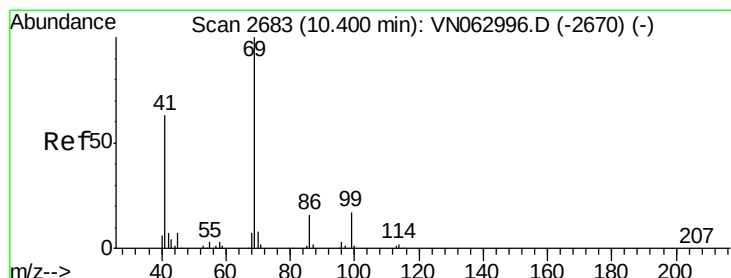
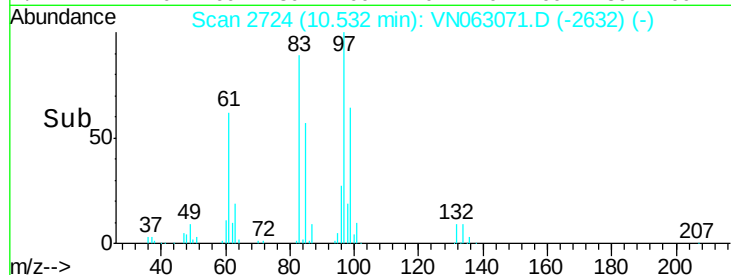
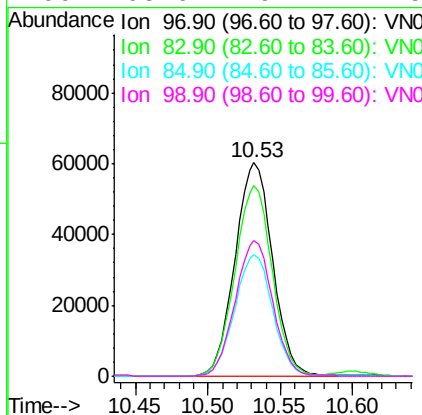
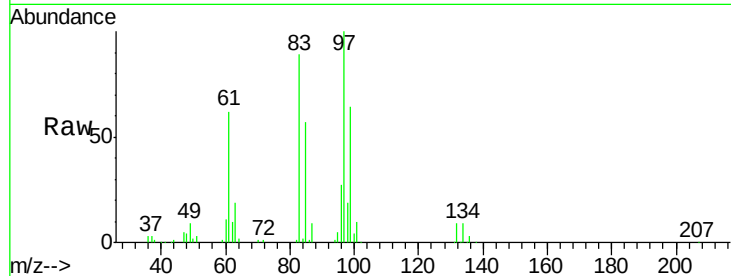
#55
 1,1,2-Trichloroethane
 Concen: 56.241 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN063071.D
 Acq: 21 Aug 2020 9:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	108930
Ion	Ratio	Lower	Upper
97	100		
83	89.4	70.5	105.7
85	56.9	45.8	68.6
99	63.6	49.7	74.5

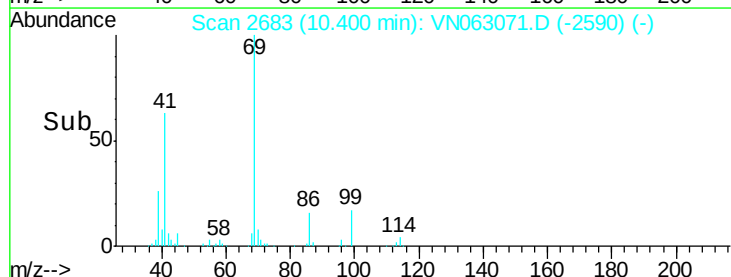
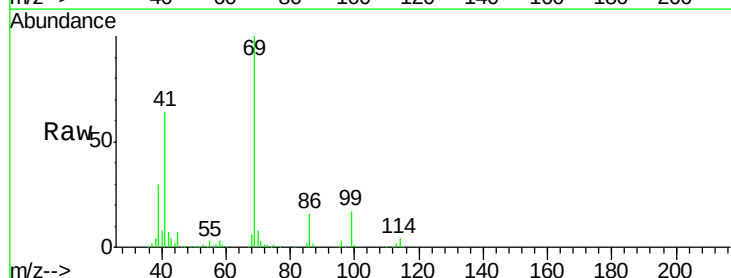
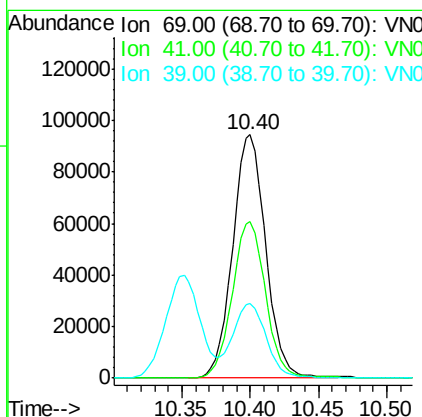
Manual Integrations
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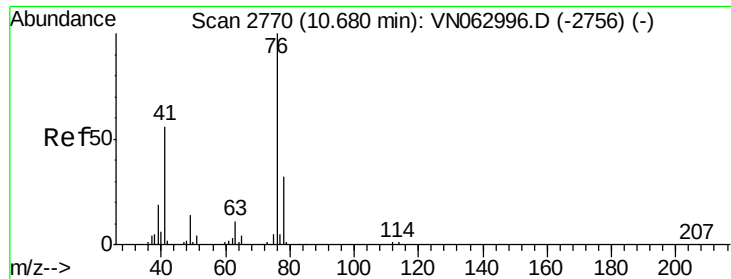
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#56
 Ethyl methacrylate
 Concen: 53.040 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. -0.00 min
 Lab File: VN063071.D
 Acq: 21 Aug 2020 9:55

Tgt Ion:	69	Resp:	158994
Ion	Ratio	Lower	Upper
69	100		
41	63.7	50.2	75.2
39	30.5	24.2	36.4





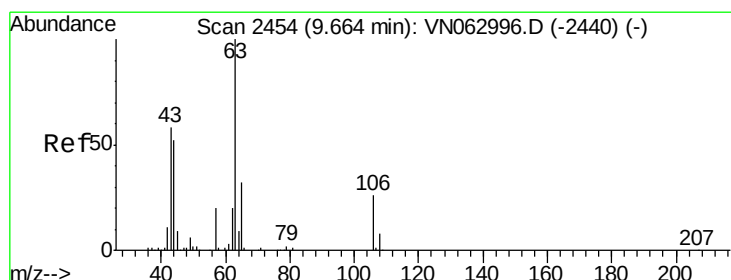
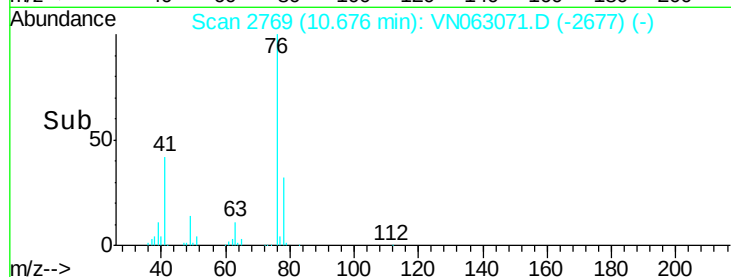
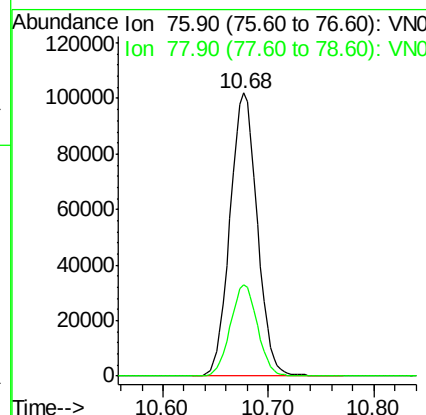
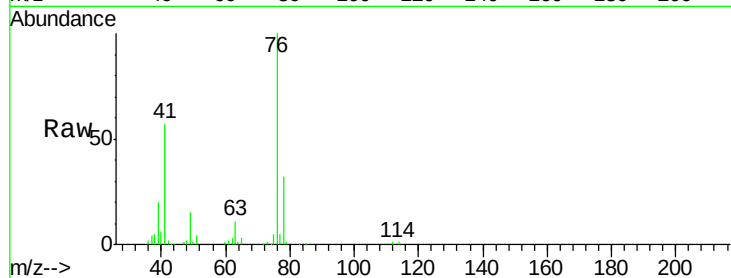
#57
 1,3-Dichloropropane
 Concen: 56.649 ug/l
 RT: 10.68 min Scan# 2769
 Delta R.T. -0.00 min
 Lab File: VN063071.D
 Acq: 21 Aug 2020 9:55

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	26.1	39.1

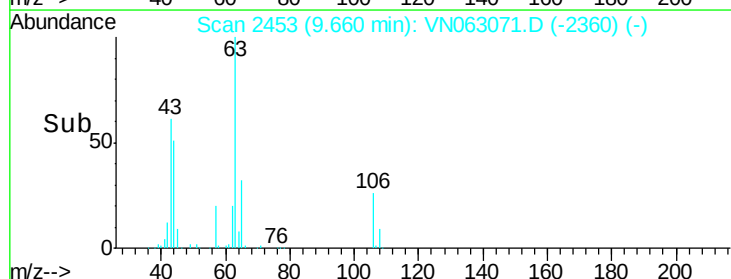
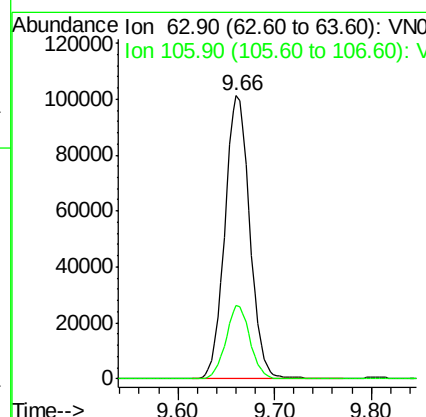
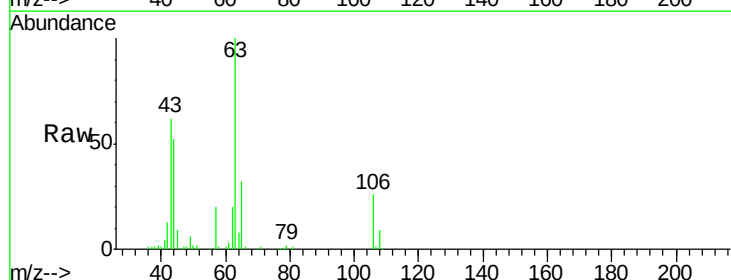
Manual Integrations
 APPROVED

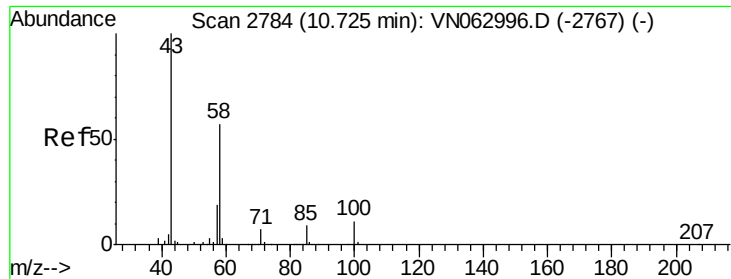
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#58
 2-Chloroethyl Vinyl ether
 Concen: 249.104 ug/l
 RT: 9.66 min Scan# 2453
 Delta R.T. -0.00 min
 Lab File: VN063071.D
 Acq: 21 Aug 2020 9:55

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.0	20.7	31.1





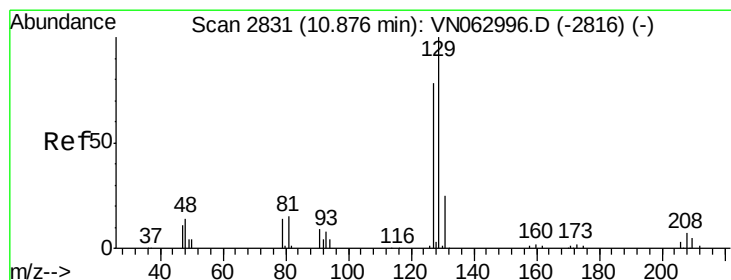
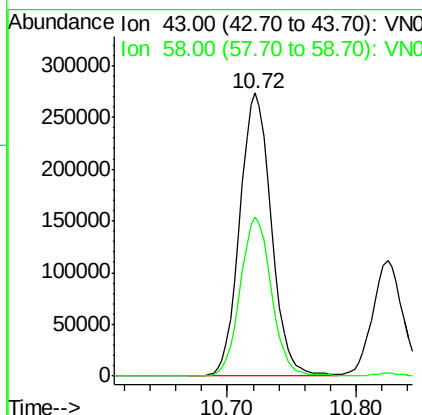
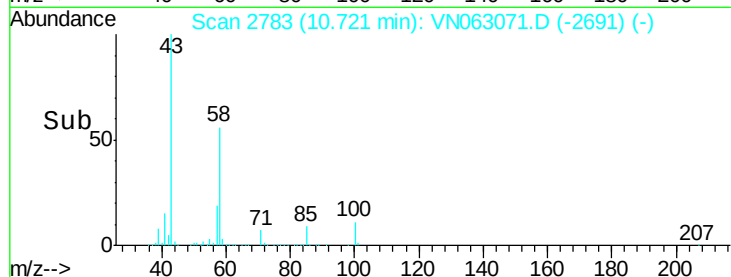
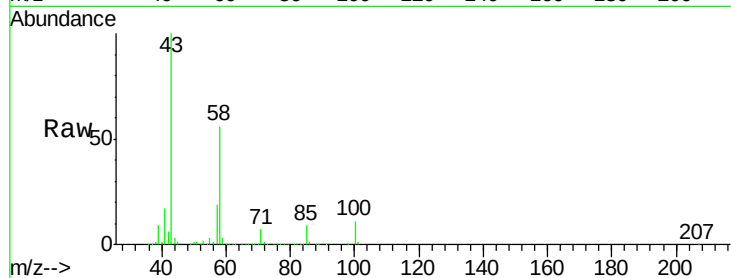
#59
2-Hexanone
Concen: 286.985 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN063071.D
Acq: 21 Aug 2020 9:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 465027
Ion Ratio Lower Upper
43 100
58 55.7 28.1 84.3

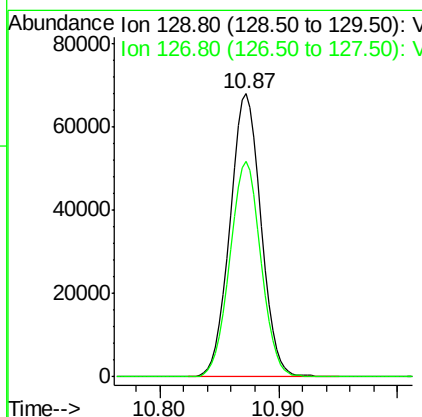
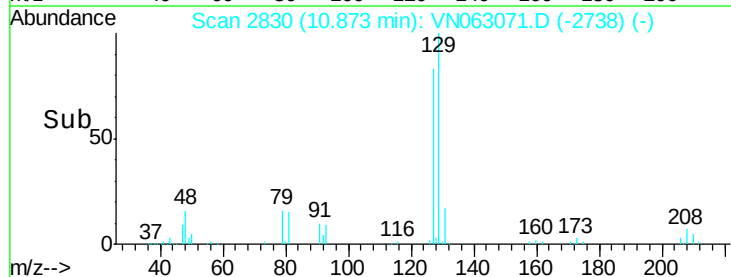
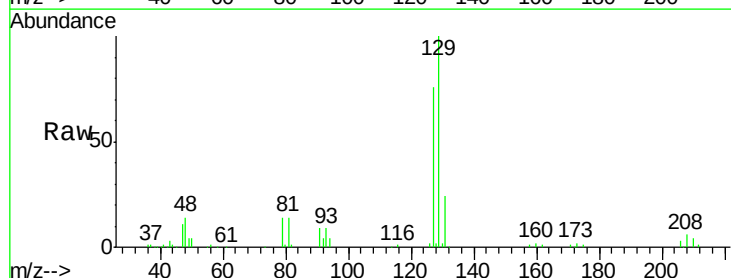
Manual Integrations
APPROVED

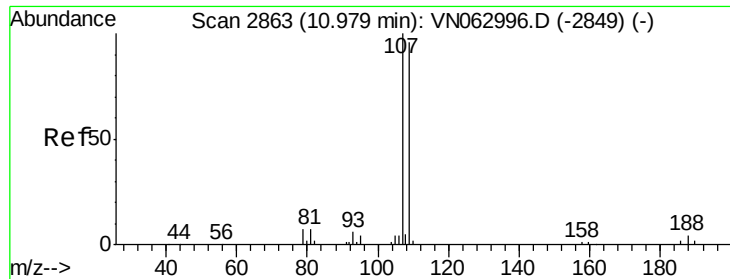
sam
8/24/2020 5:51:51 PM



#60
Dibromochloromethane
Concen: 57.270 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN063071.D
Acq: 21 Aug 2020 9:55

Tgt Ion: 129 Resp: 122755
Ion Ratio Lower Upper
129 100
127 76.2 38.4 115.2





#61

1,2-Dibromoethane

Concen: 57.105 ug/l

RT: 10.98 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VN063071.D

Acq: 21 Aug 2020 9:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 106276

Ion Ratio Lower Upper

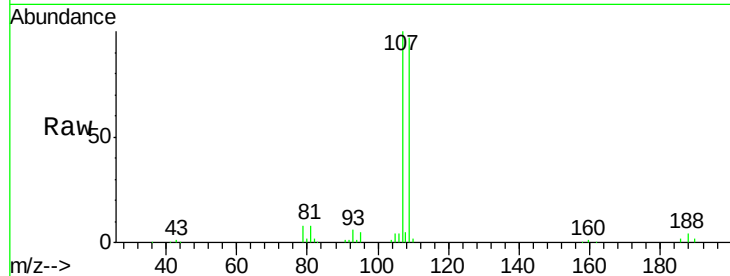
107 100

109 95.0 75.7 113.5

Manual Integrations
APPROVED

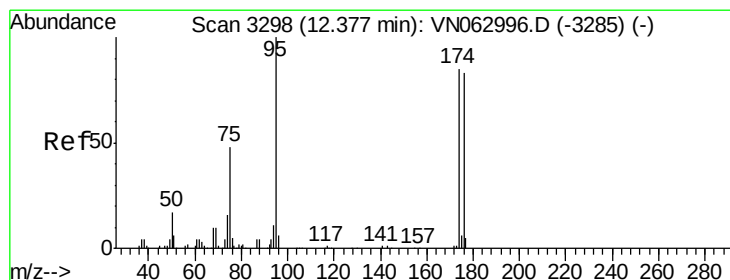
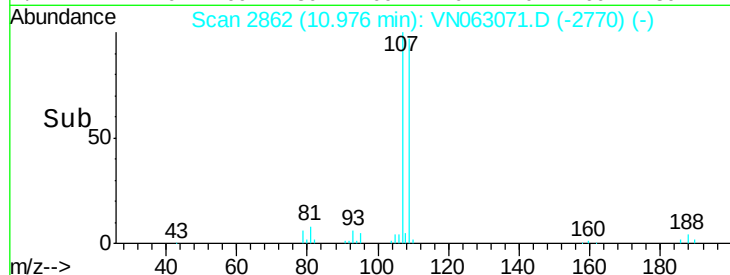
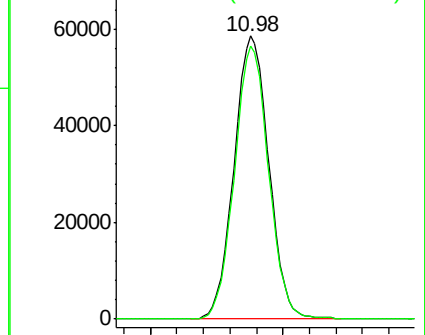
sam

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.089 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. -0.00 min

Lab File: VN063071.D

Acq: 21 Aug 2020 9:55

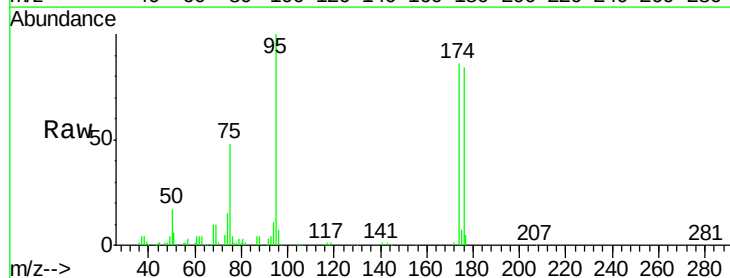
Tgt Ion: 95 Resp: 121222

Ion Ratio Lower Upper

95 100

174 86.4 0.0 170.8

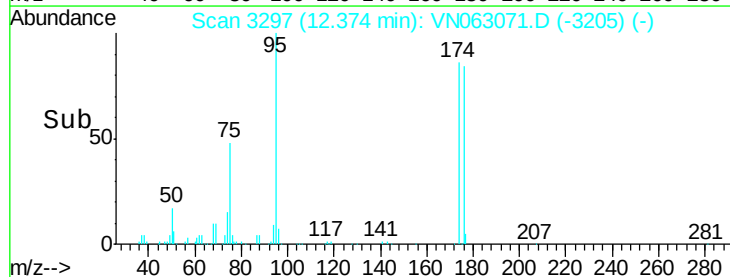
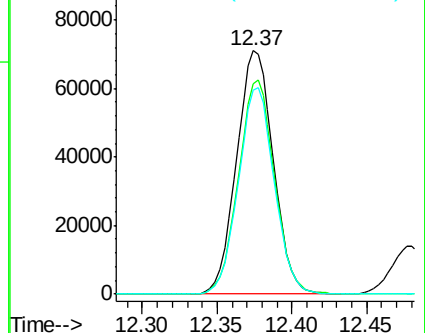
176 82.8 0.0 164.8

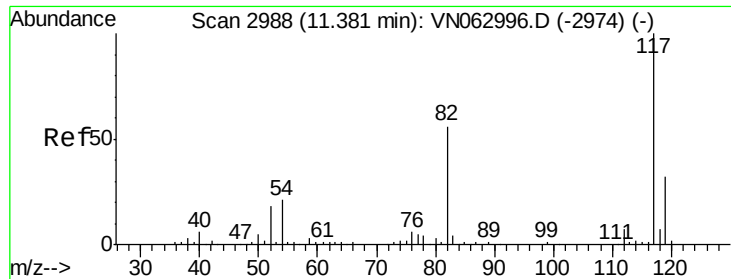


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





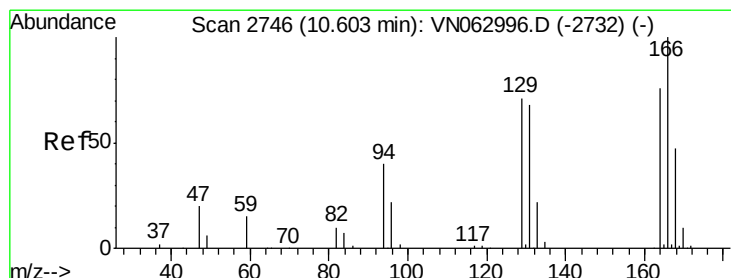
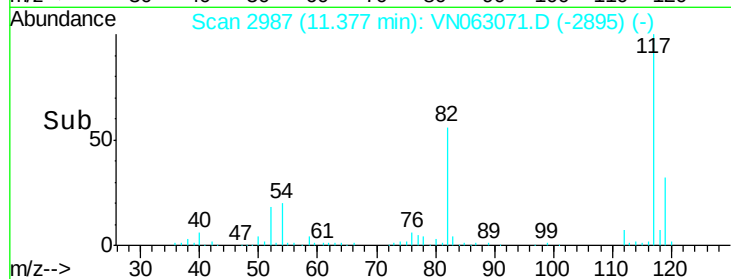
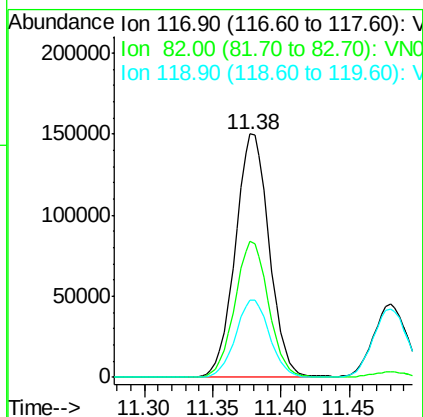
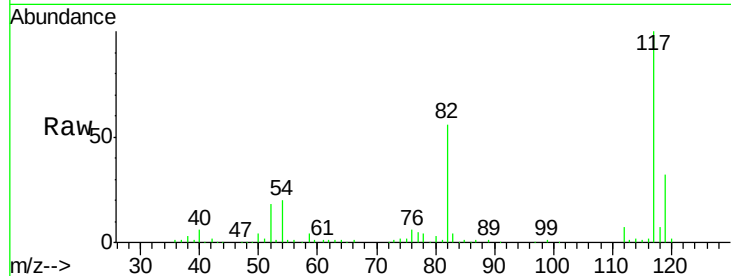
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2987
Delta R.T. -0.00 min
Lab File: VN063071.D
Acq: 21 Aug 2020 9:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.7	44.5	66.7
119	31.7	25.5	38.3

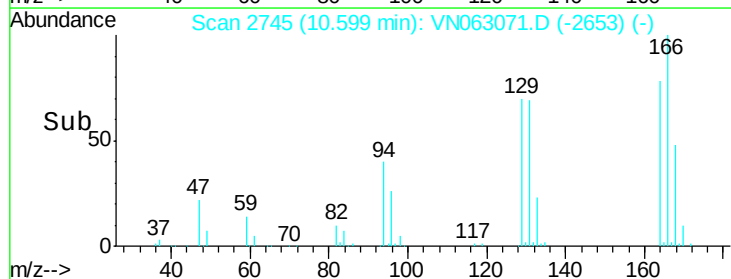
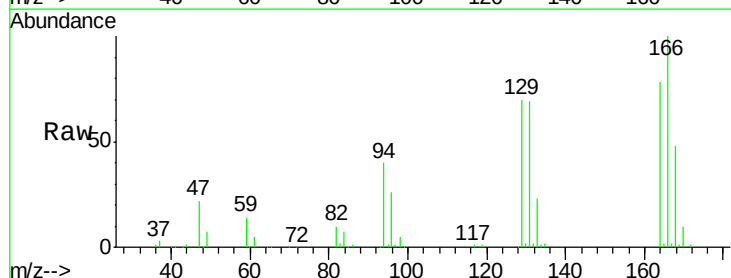
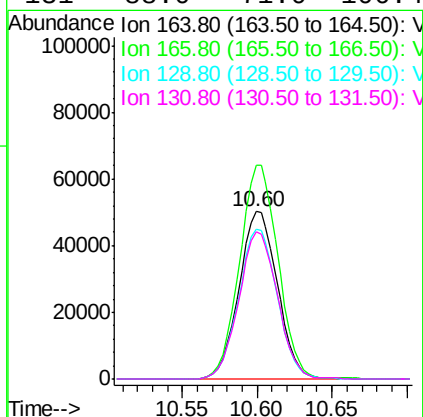
Manual Integrations
APPROVED

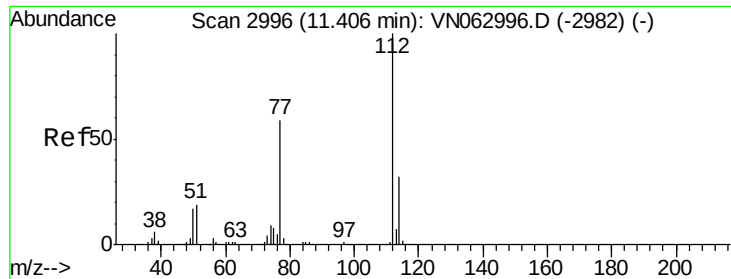
sam
8/24/2020 5:51:51 PM



#64
Tetrachloroethene
Concen: 52.683 ug/l
RT: 10.60 min Scan# 2745
Delta R.T. -0.00 min
Lab File: VN063071.D
Acq: 21 Aug 2020 9:55

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.4	105.0	157.6
129	89.6	74.7	112.1
131	88.0	71.0	106.4





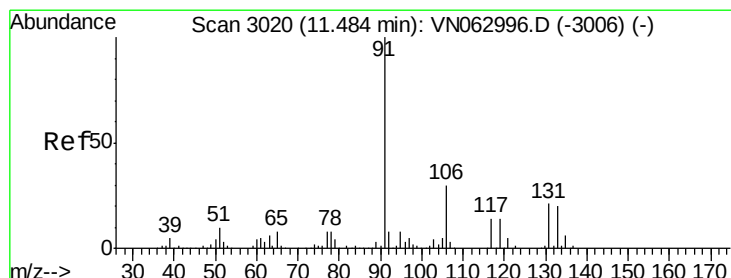
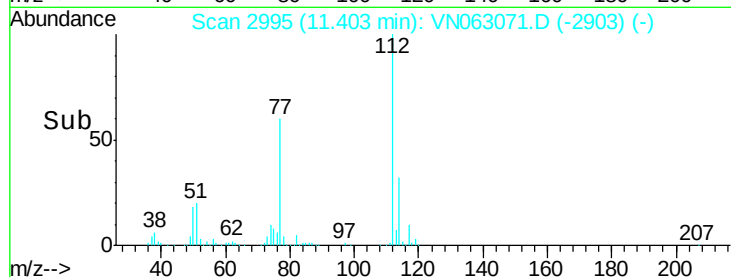
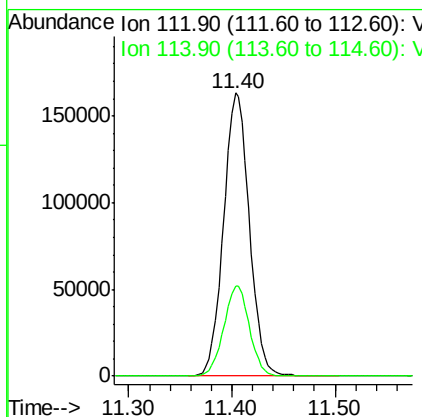
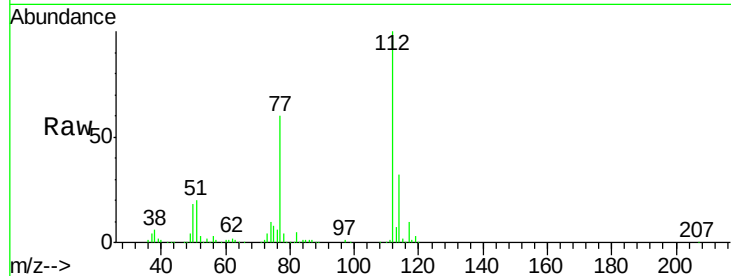
#65
Chlorobenzene
Concen: 54.595 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN063071.D
Acq: 21 Aug 2020 9:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.7	25.3	37.9

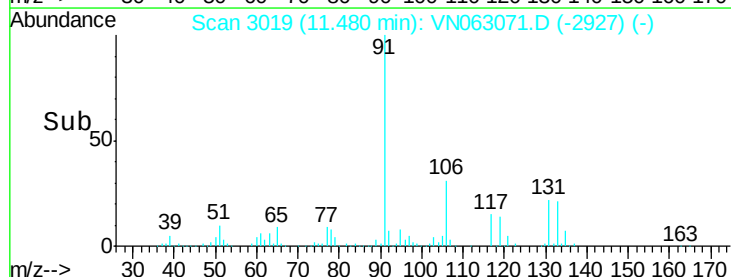
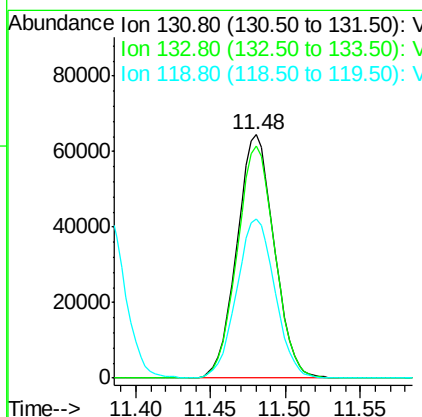
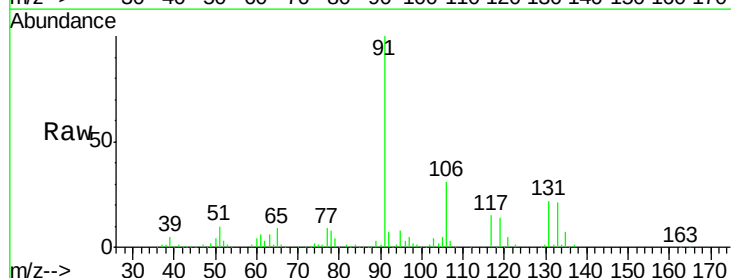
Manual Integrations
APPROVED

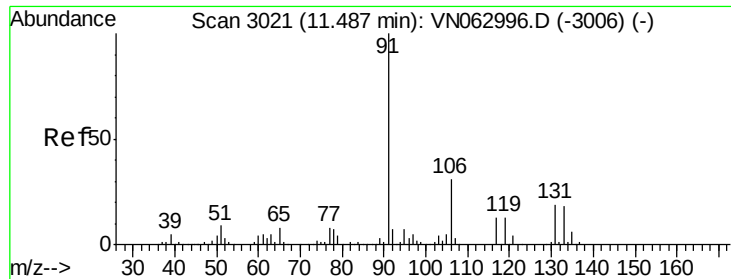
sam
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#66
1,1,1,2-Tetrachloroethane
Concen: 55.468 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN063071.D
Acq: 21 Aug 2020 9:55

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.0	47.5	142.6
119	66.8	33.1	99.3





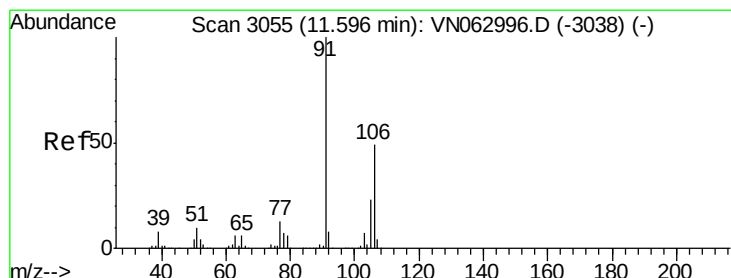
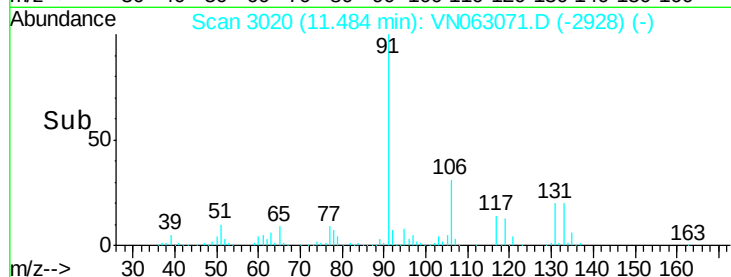
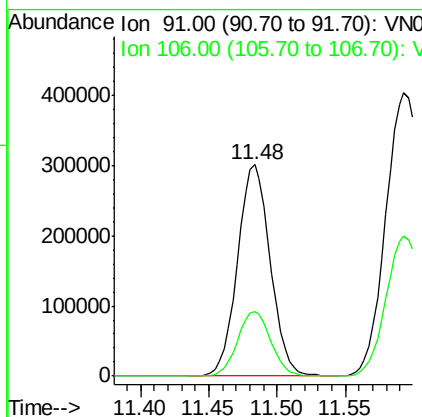
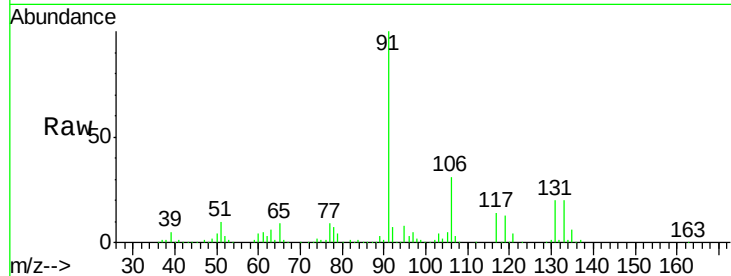
#67
Ethyl Benzene
Concen: 57.130 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN063071.D
Acq: 21 Aug 2020 9:55

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 502251
Ion Ratio Lower Upper
91 100
106 30.7 24.6 37.0

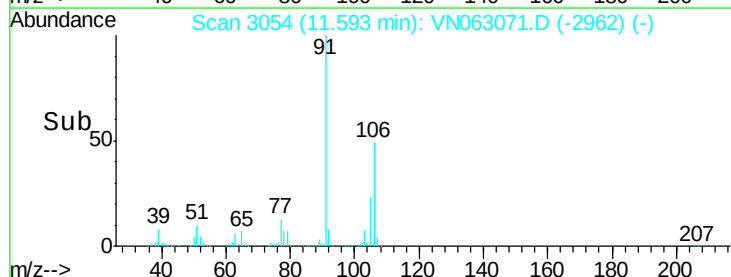
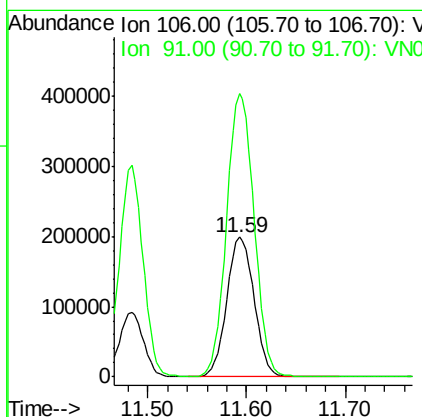
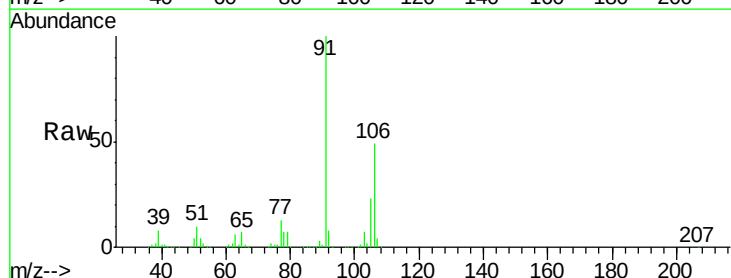
Manual Integrations
APPROVED

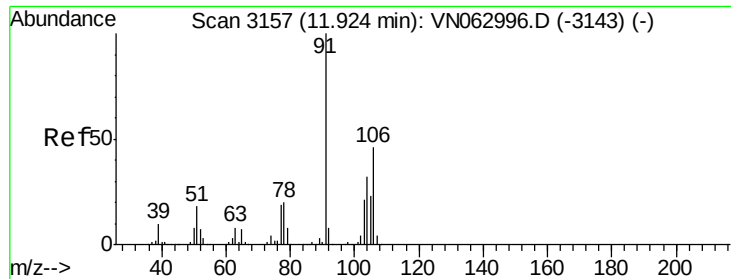
sam
8/24/2020 5:51:51 PM



#68
m/p-Xylenes
Concen: 117.690 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN063071.D
Acq: 21 Aug 2020 9:55

Tgt Ion: 106 Resp: 384546
Ion Ratio Lower Upper
106 100
91 203.6 163.0 244.4





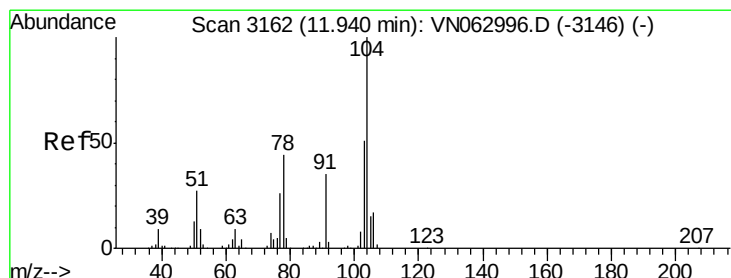
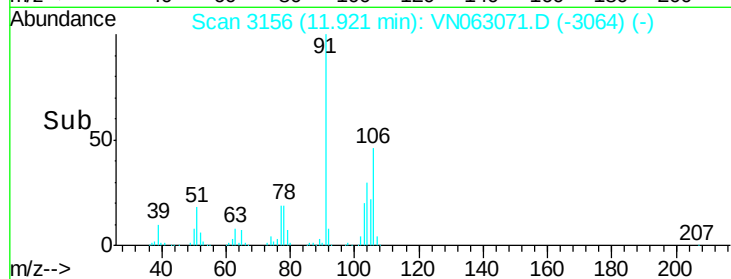
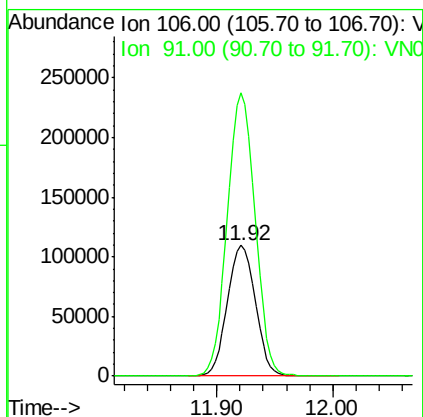
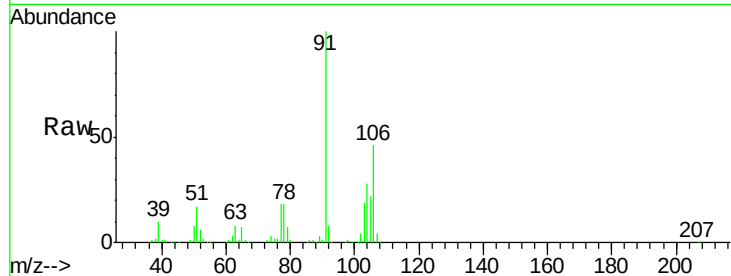
#69
o-Xylene
Concen: 58.447 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN063071.D
Acq: 21 Aug 2020 9:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		183387		
91	214.6	107.3	321.9		

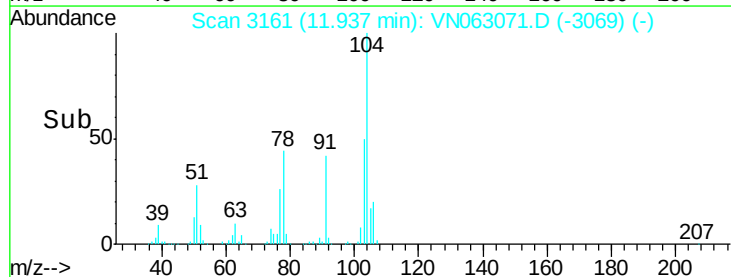
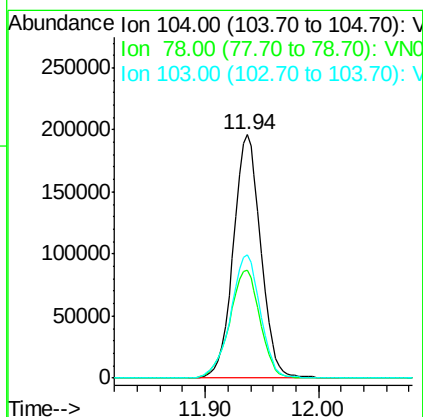
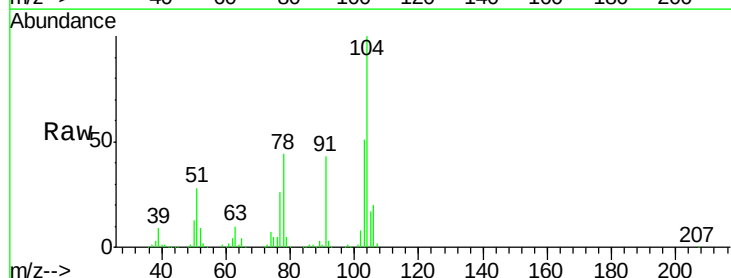
Manual Integrations
APPROVED

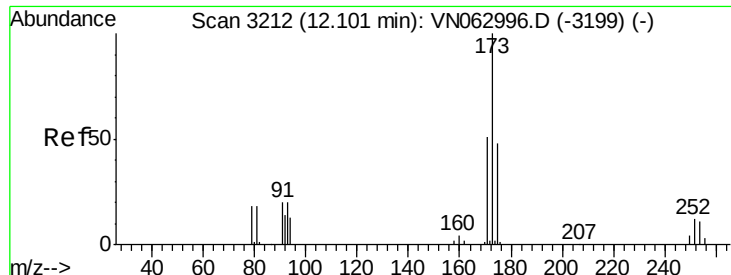
sam
8/24/2020 5:51:51 PM



#70
Styrene
Concen: 52.997 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN063071.D
Acq: 21 Aug 2020 9:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		330738		
78	49.4	39.0	58.6		
103	54.9	44.3	66.5		





#71

Bromoform

Concen: 56.919 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN063071.D

Acq: 21 Aug 2020 9:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 91684

Ion Ratio Lower Upper

173 100

175 48.5 24.3 72.8

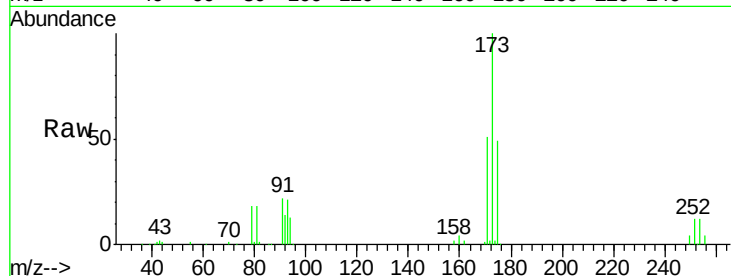
254 0.0 0.0 0.0

Manual Integrations

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sam

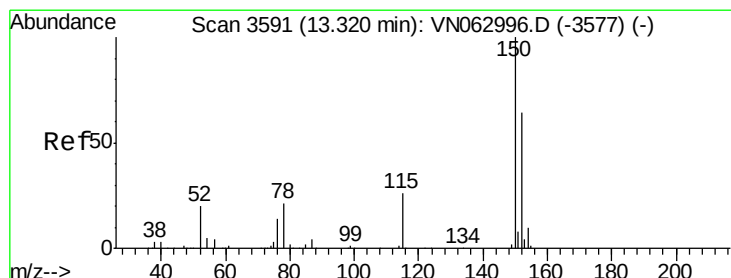
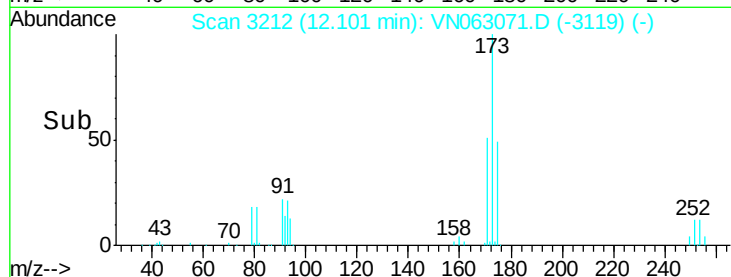
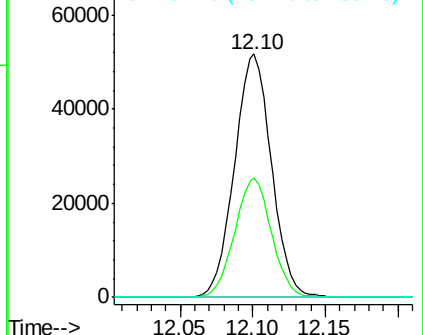
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3590

Delta R.T. -0.00 min

Lab File: VN063071.D

Acq: 21 Aug 2020 9:55

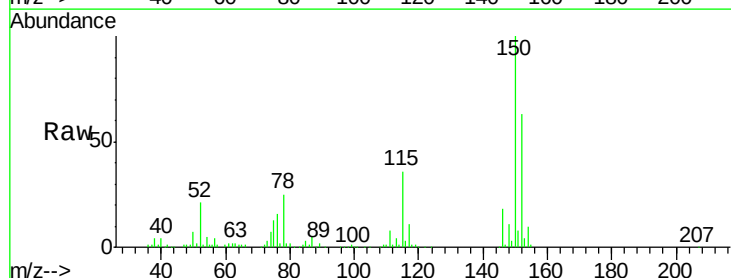
Tgt Ion:152 Resp: 132080

Ion Ratio Lower Upper

152 100

115 56.7 28.7 86.3

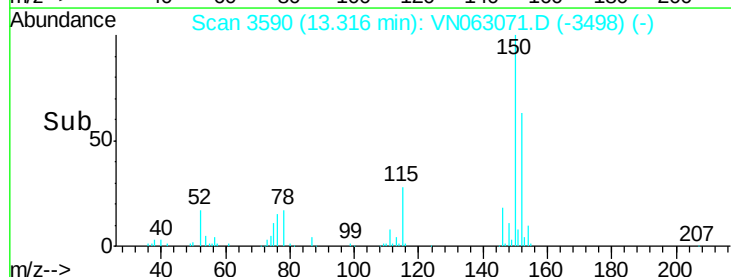
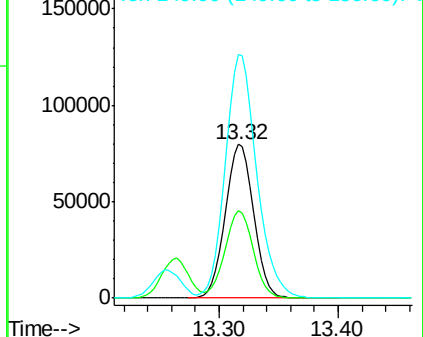
150 175.1 0.0 348.8

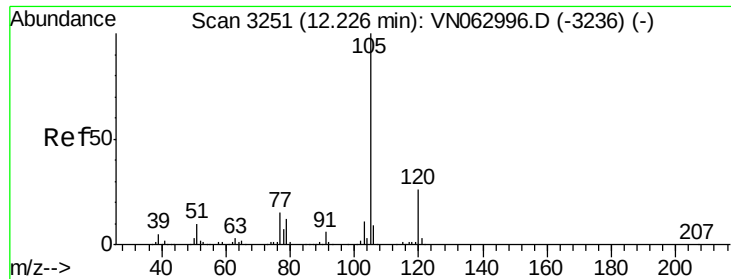


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





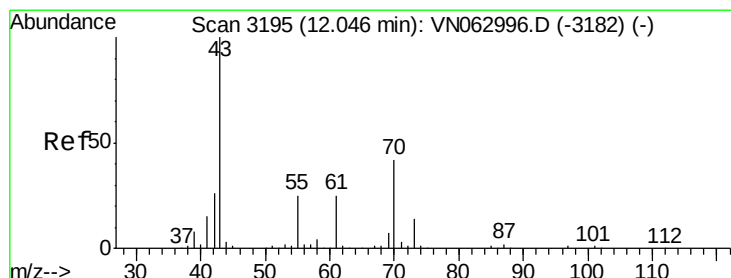
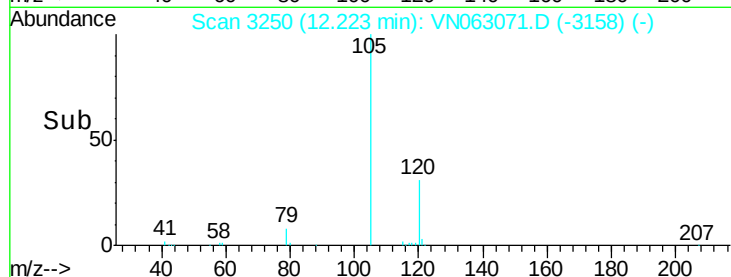
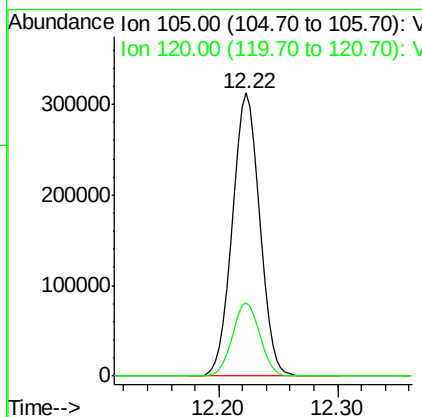
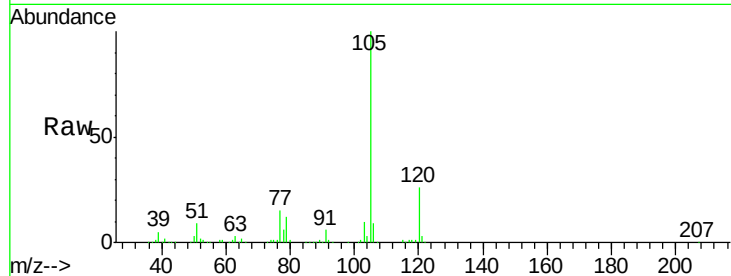
#73
Isopropylbenzene
Concen: 55.104 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. -0.00 min
Lab File: VN063071.D
Acq: 21 Aug 2020 9:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.2	39.6

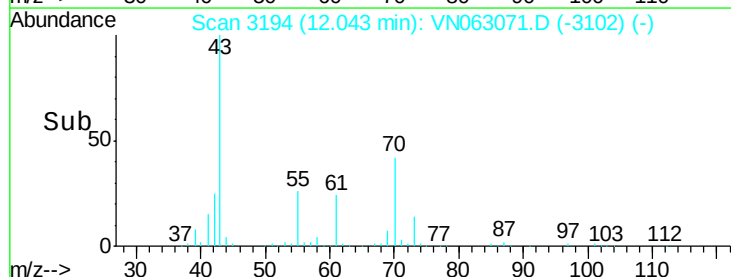
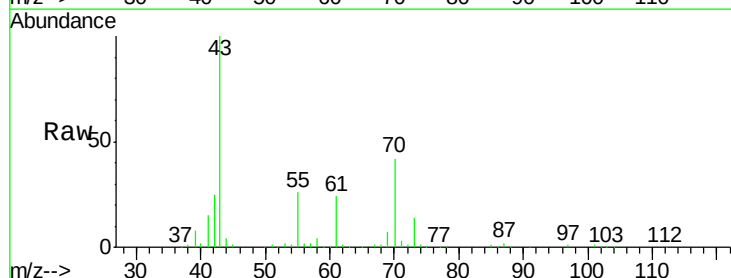
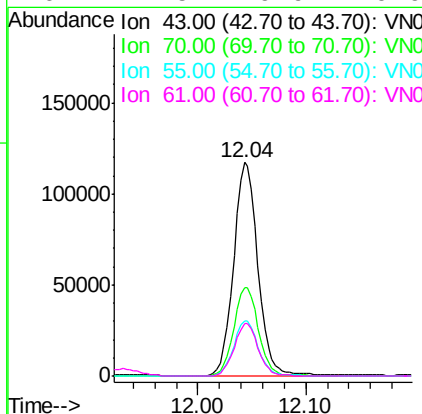
Manual Integrations
APPROVED

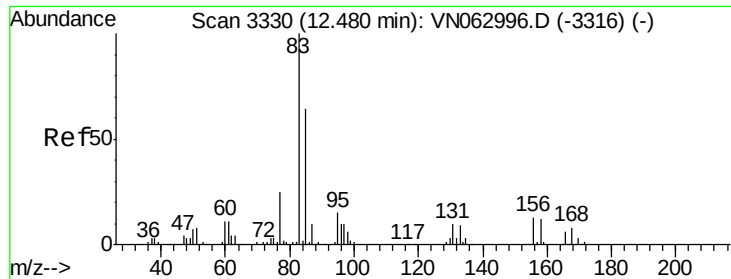
sam
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#74
N-ethyl acetate
Concen: 57.220 ug/l
RT: 12.04 min Scan# 3194
Delta R.T. -0.00 min
Lab File: VN063071.D
Acq: 21 Aug 2020 9:55

Tgt Ion	Ratio	Lower	Upper
43	100		
70	42.2	33.4	50.0
55	25.9	20.2	30.2
61	24.5	19.9	29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 55.017 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN063071.D

Acq: 21 Aug 2020 9:55

Instrument :

MSVOA_N

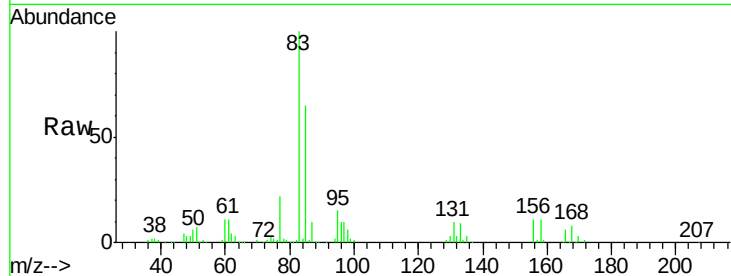
ClientSampleId :

VSTDCCC050

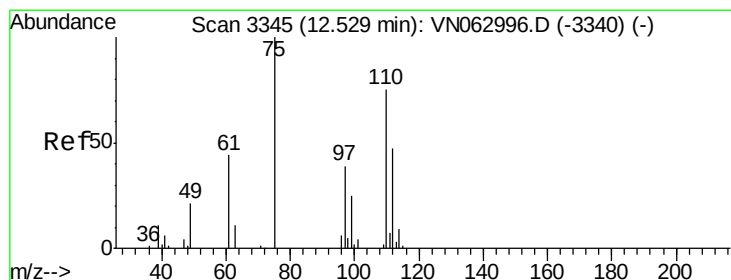
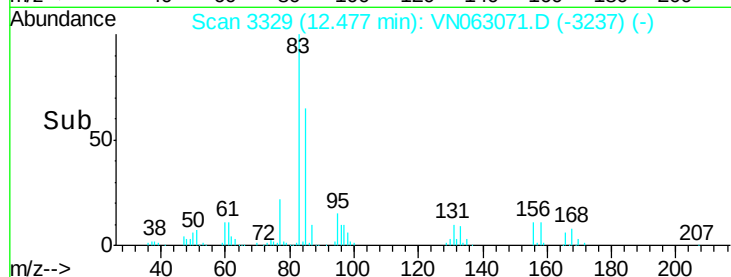
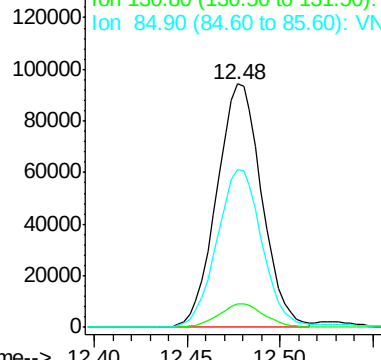
Tot Ion:	83	Resp:	160084
Ion Ratio	Lower	Upper	
83	100		
131	9.9	4.9	14.7
85	64.8	31.9	95.5

Manual Integrations
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sam
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Abundance Ion 82.90 (82.60 to 83.60): VN063071.D (-3237) (-)



#76

1,2,3-Trichloropropane

Concen: 51.178 ug/l m

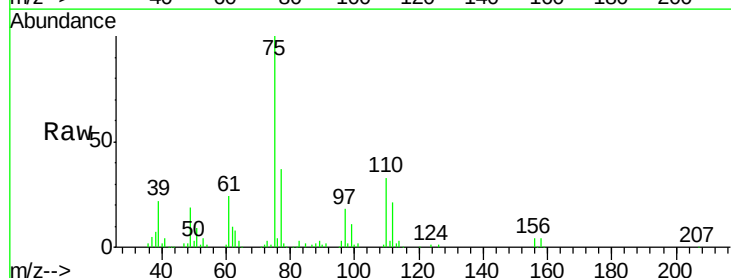
RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

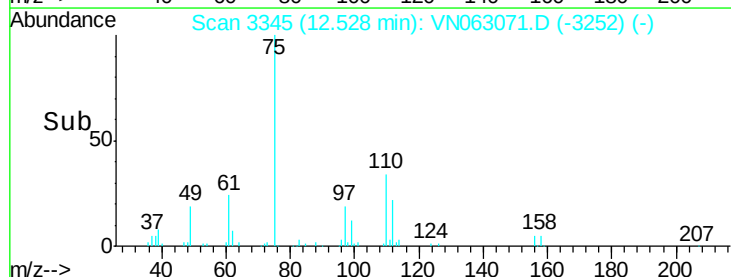
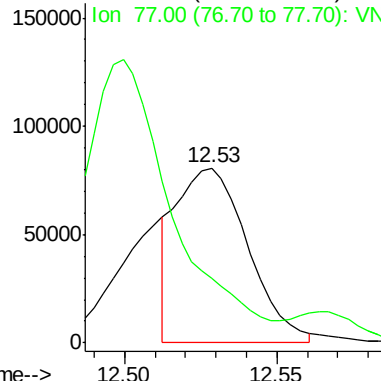
Lab File: VN063071.D

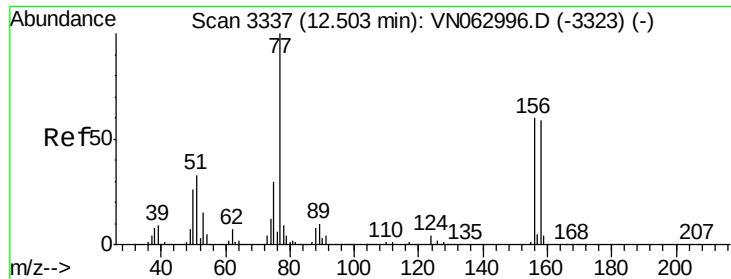
Acq: 21 Aug 2020 9:55

Tgt Ion:	75	Resp:	131392
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN063071.D (-3252) (-)





#77

Bromobenzene

Concen: 53.454 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN063071.D

Acq: 21 Aug 2020 9:55

Instrument :

MSVOA_N

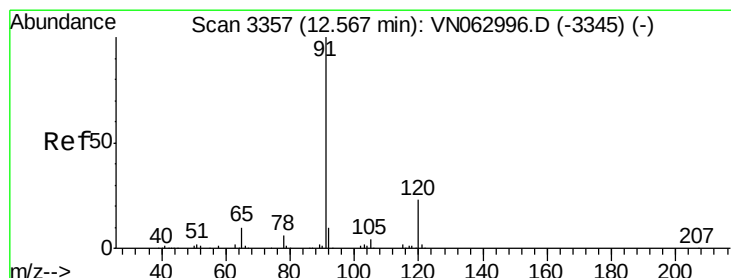
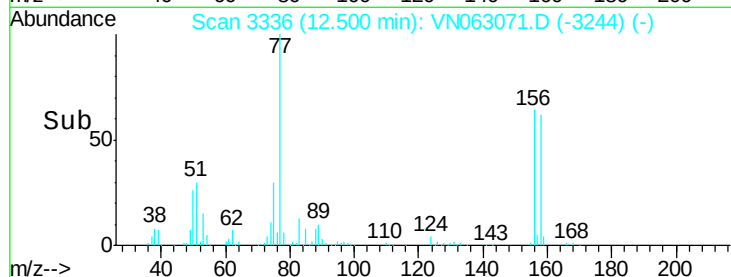
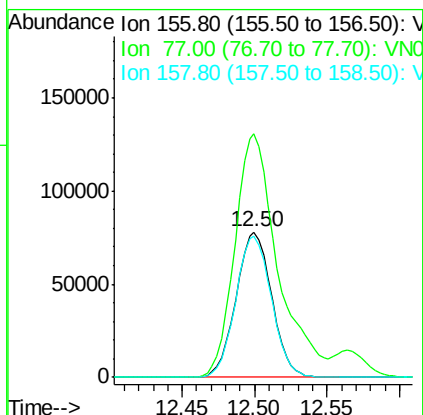
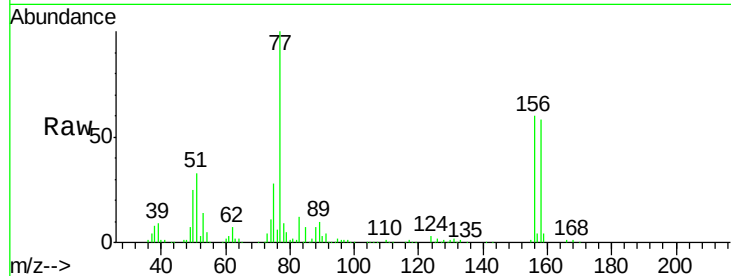
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	132972
Ion Ratio	Lower	Upper	
156	100		
77	202.3	101.0	302.9
158	97.7	49.4	148.0

Manual Integrations
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#78

n-propylbenzene

Concen: 57.847 ug/l

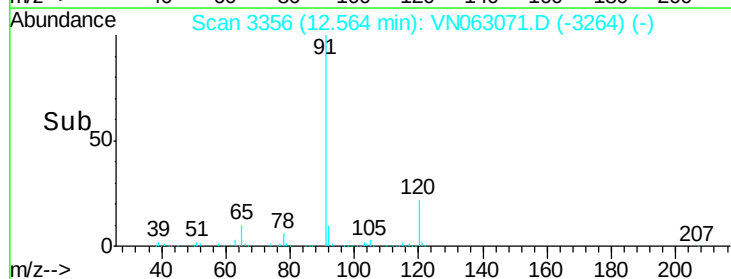
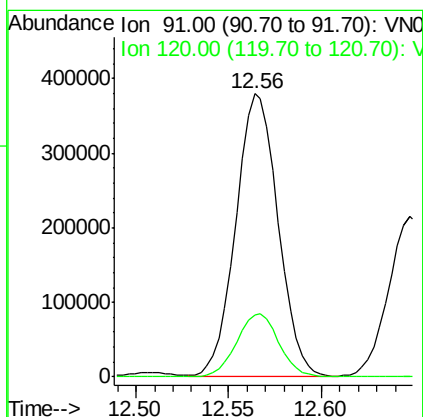
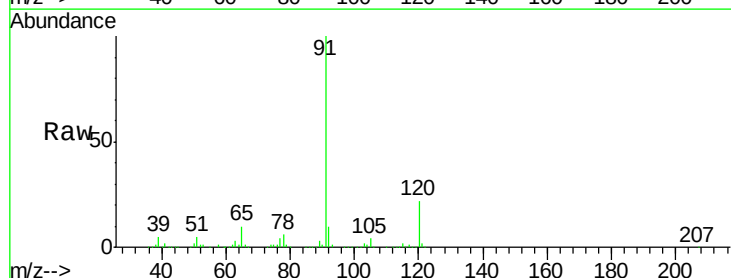
RT: 12.56 min Scan# 3356

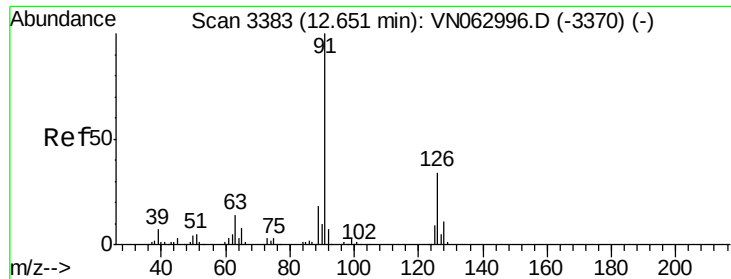
Delta R.T. -0.00 min

Lab File: VN063071.D

Acq: 21 Aug 2020 9:55

Tgt Ion:	91	Resp:	596373
Ion Ratio	Lower	Upper	
91	100		
120	22.4	11.4	34.1





#79

2-Chlorotoluene

Concen: 54.155 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN063071.D

Acq: 21 Aug 2020 9:55

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 351168

Ion Ratio Lower Upper

91 100

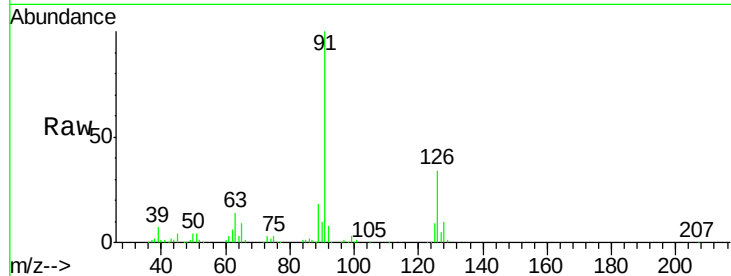
126 34.0 17.1 51.2

Manual Integrations

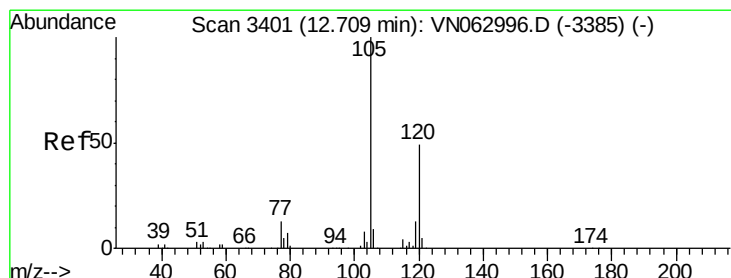
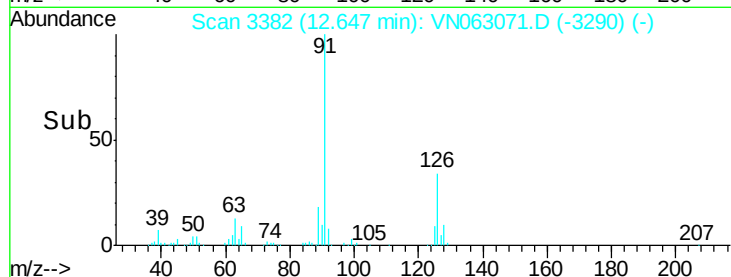
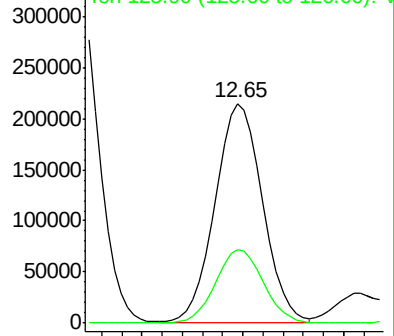
APPROVED

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Abundance Ion 91.00 (90.70 to 91.70): VN062996.D (-3370) (-)



#80

1,3,5-Trimethylbenzene

Concen: 57.511 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN063071.D

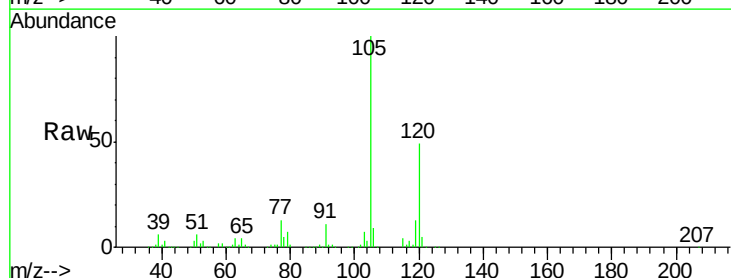
Acq: 21 Aug 2020 9:55

Tgt Ion: 105 Resp: 430005

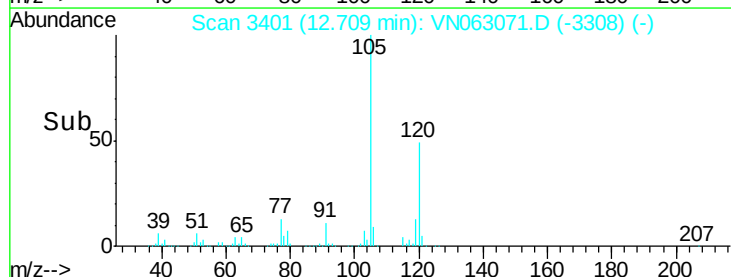
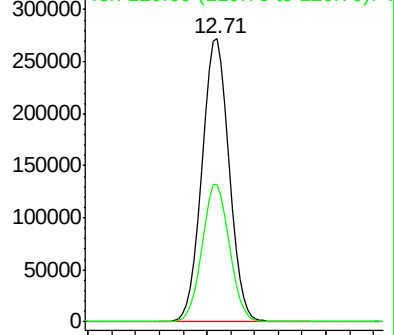
Ion Ratio Lower Upper

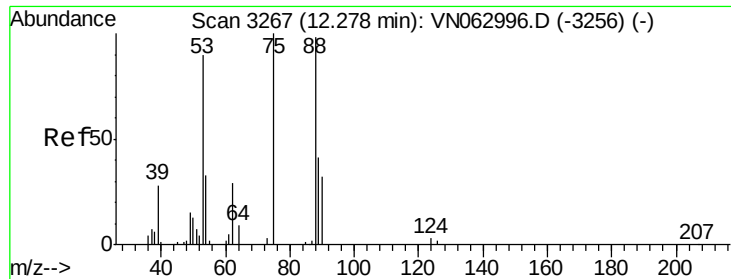
105 100

120 49.0 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VN062996.D (-3385) (-)





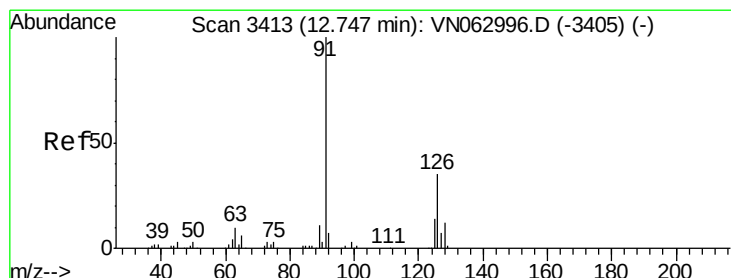
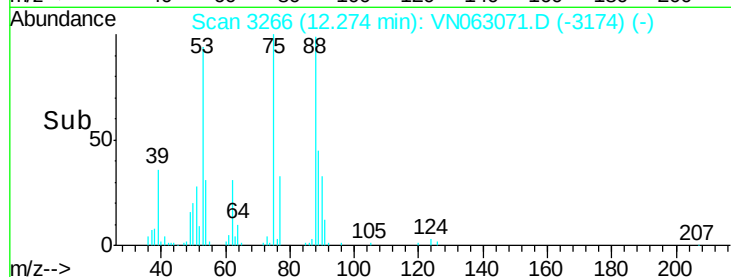
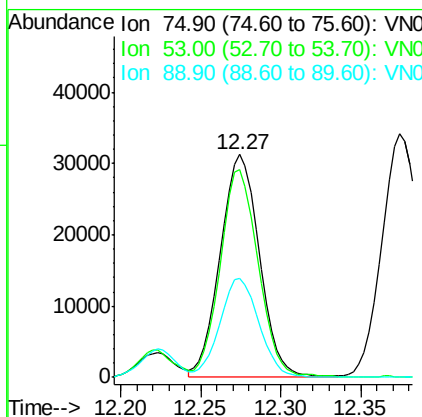
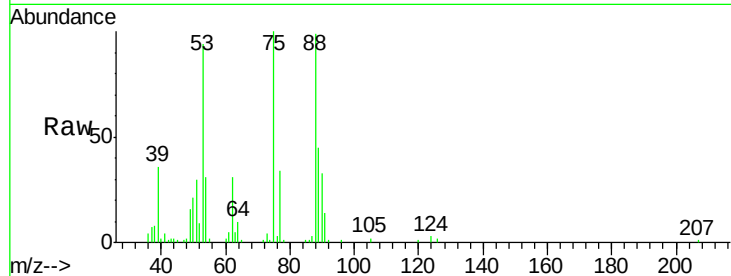
#81
trans-1,4-Dichloro-2-butene
Concen: 56.088 ug/l
RT: 12.27 min Scan# 3266
Delta R.T. -0.00 min
Lab File: VN063071.D
Acq: 21 Aug 2020 9:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.6	69.2	103.8
89	44.0	34.2	51.4

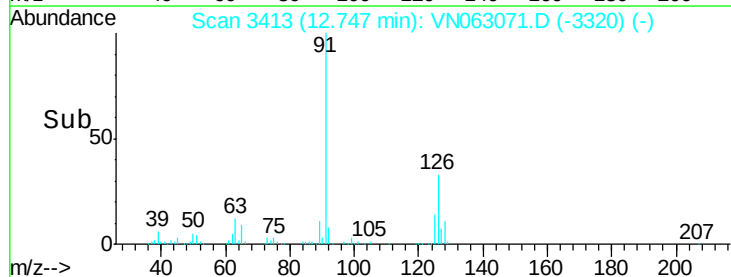
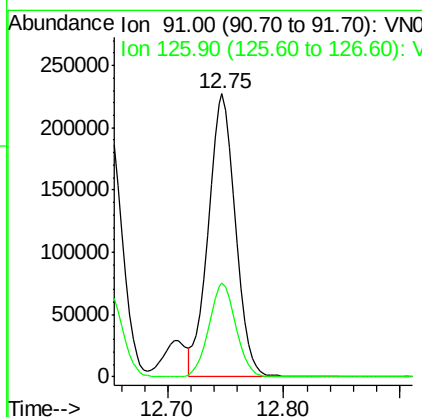
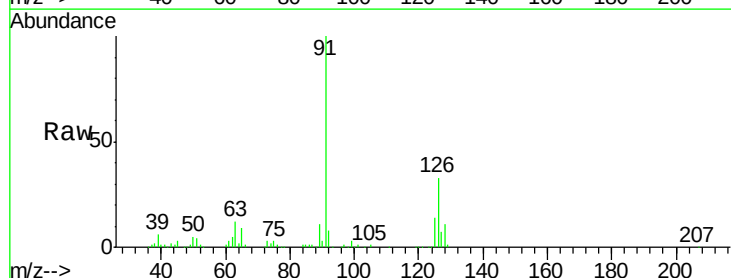
Manual Integrations
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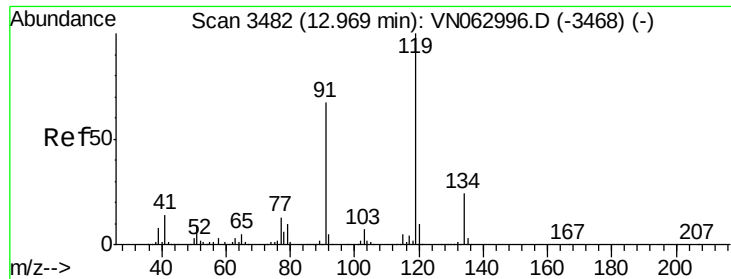
sam
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#82
4-Chlorotoluene
Concen: 56.067 ug/l
RT: 12.75 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VN063071.D
Acq: 21 Aug 2020 9:55

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.5	49.5





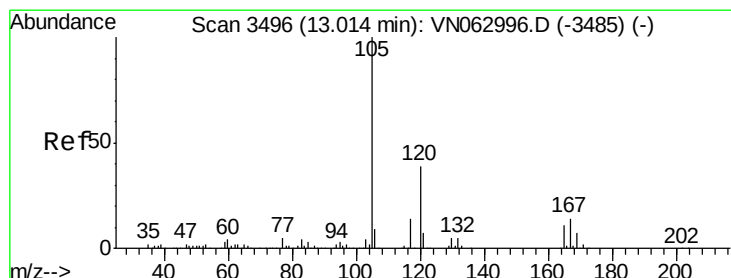
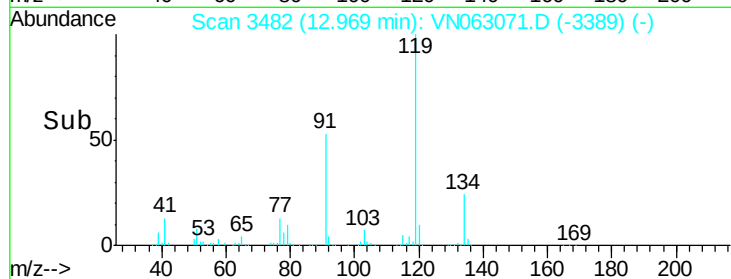
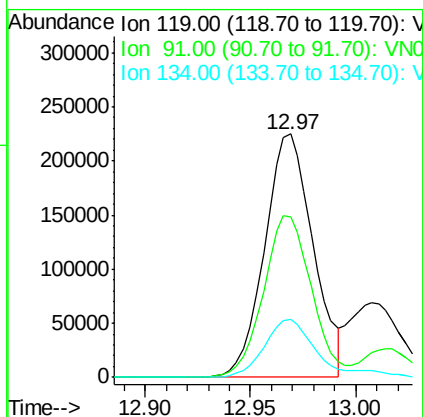
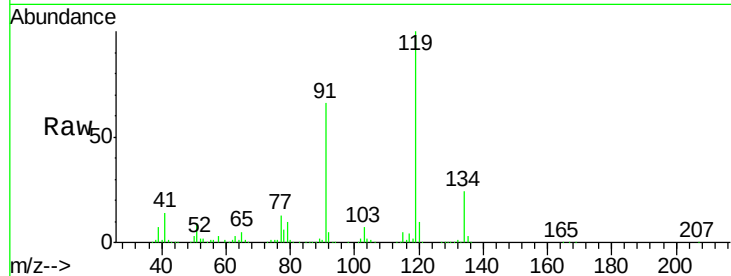
#83
 tert-Butylbenzene
 Concen: 55.770 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN063071.D
 Acq: 21 Aug 2020 9:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	359908		
91	65.3		32.5	97.4
134	26.3		13.1	39.3

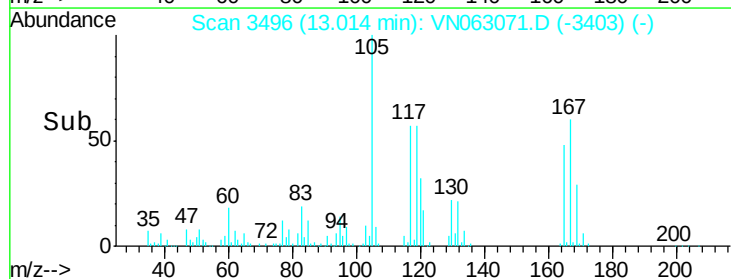
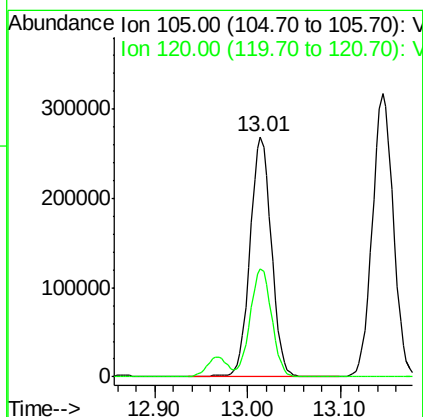
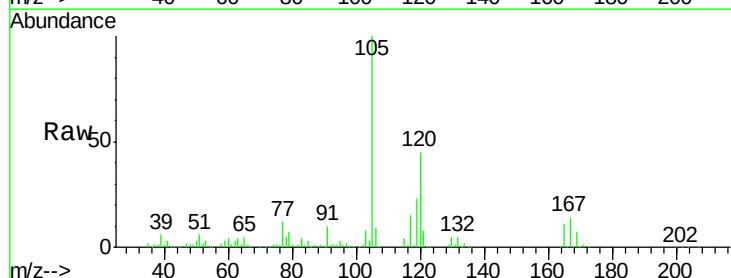
Manual Integrations
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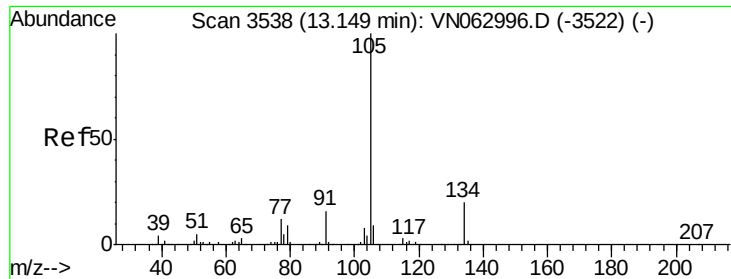
sam
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#84
 1,2,4-Trimethylbenzene
 Concen: 58.986 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN063071.D
 Acq: 21 Aug 2020 9:55

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	429659		
120	45.4		22.5	67.5





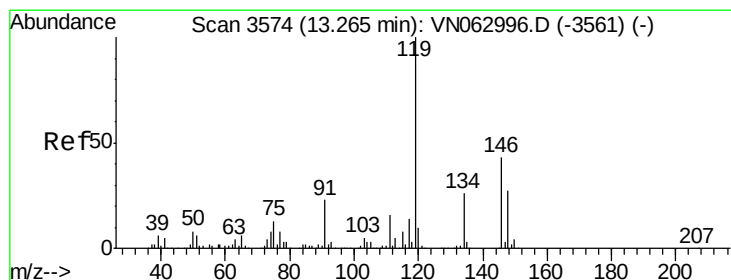
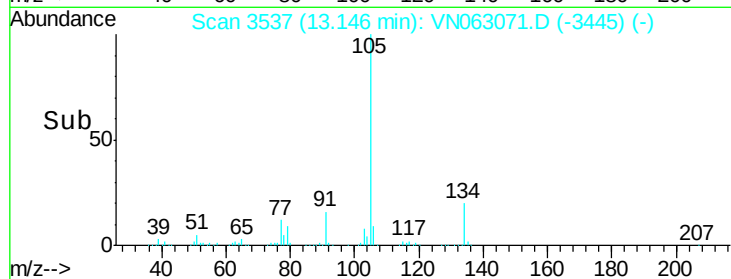
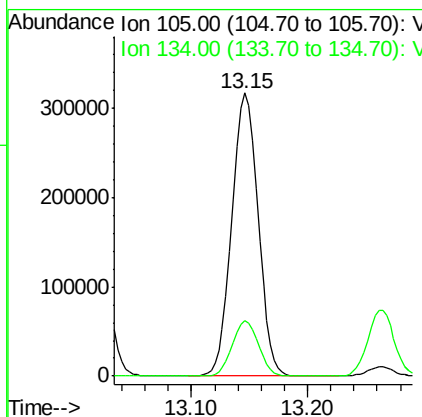
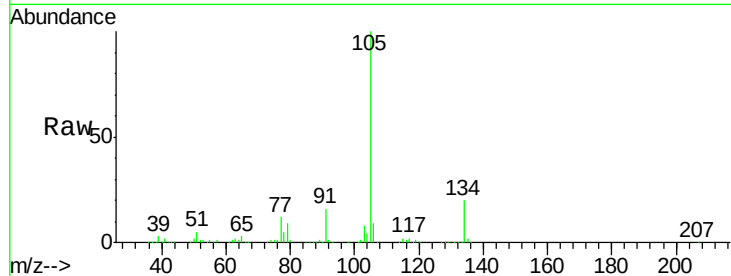
#85
 sec-Butylbenzene
 Concen: 56.920 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. -0.00 min
 Lab File: VN063071.D
 Acq: 21 Aug 2020 9:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
105	100	496431		
134	19.6	9.8	29.4	

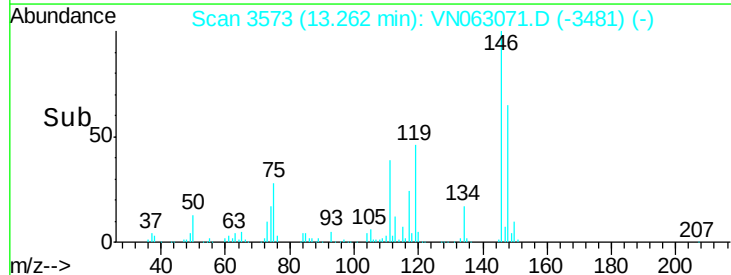
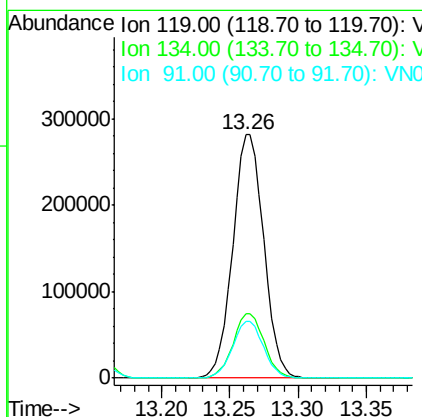
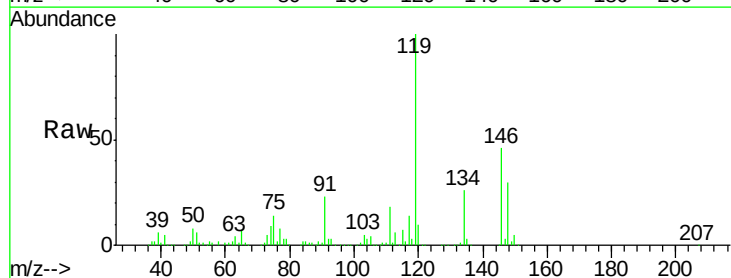
Manual Integrations
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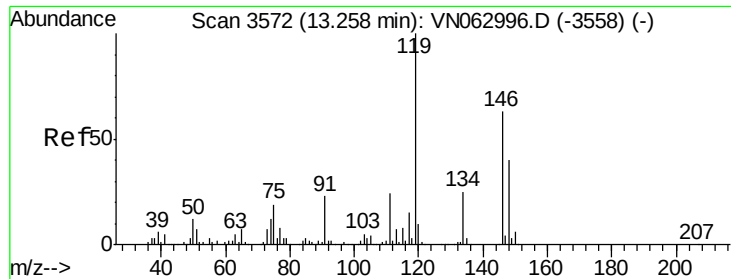
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#86
 p-Isopropyltoluene
 Concen: 58.380 ug/l
 RT: 13.26 min Scan# 3573
 Delta R.T. -0.00 min
 Lab File: VN063071.D
 Acq: 21 Aug 2020 9:55

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	443657		
134	26.4	13.1	39.3	
91	23.2	11.5	34.4	





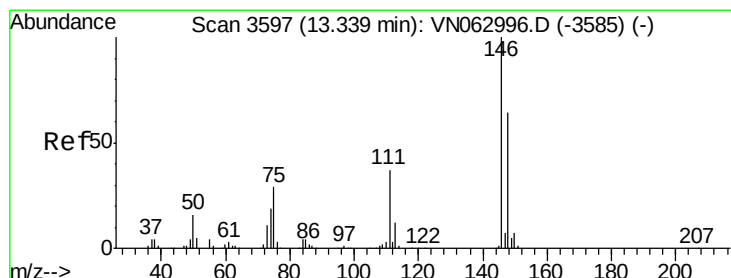
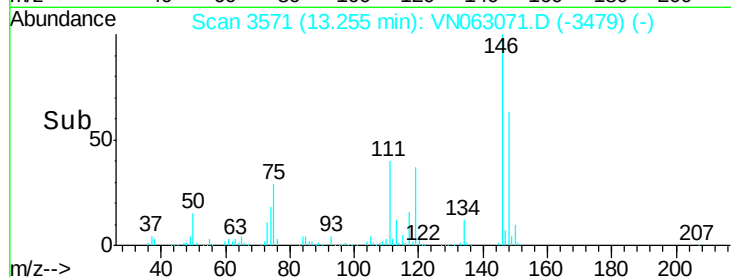
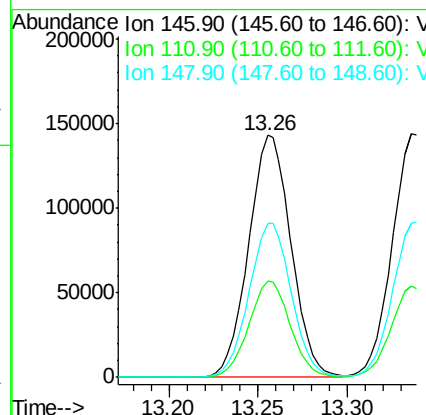
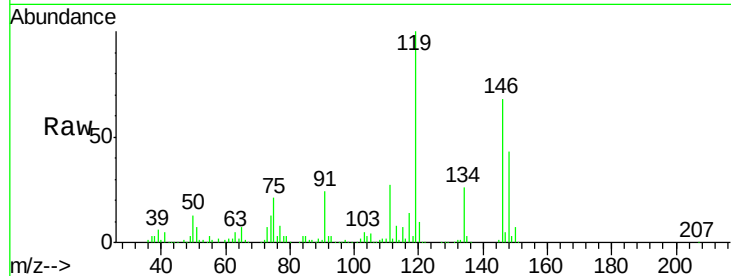
#87
 1,3-Dichlorobenzene
 Concen: 55.695 ug/l
 RT: 13.26 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VN063071.D
 Acq: 21 Aug 2020 9:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	238106		
111	38.9	19.4	58.1	
148	63.7	32.0	96.0	

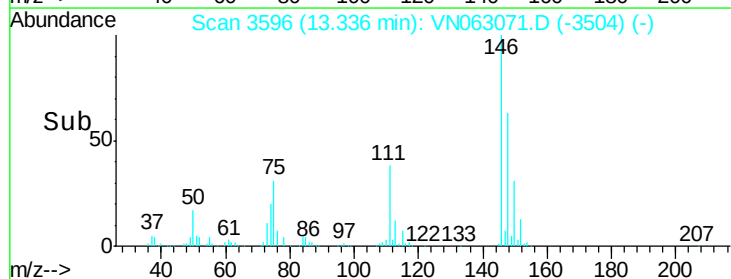
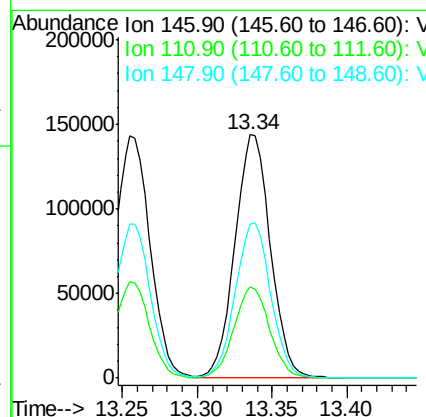
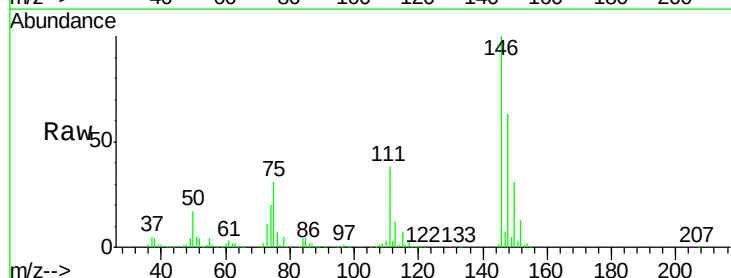
Manual Integrations
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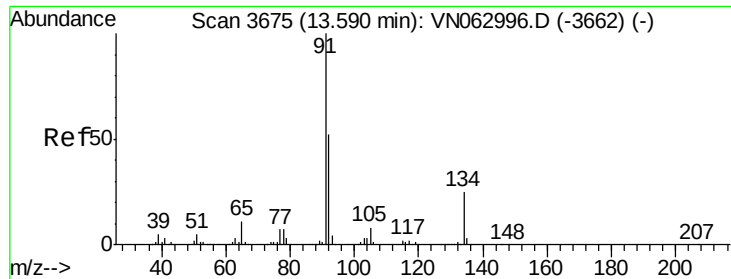
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#88
 1,4-Dichlorobenzene
 Concen: 54.539 ug/l
 RT: 13.34 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VN063071.D
 Acq: 21 Aug 2020 9:55

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	236654		
111	37.6	18.8	56.4	
148	63.8	32.4	97.0	





#89

n-Butylbenzene

Concen: 50.521 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. 0.00 min

Lab File: VN063071.D

Acq: 21 Aug 2020 9:55

Instrument :

MSVOA_N

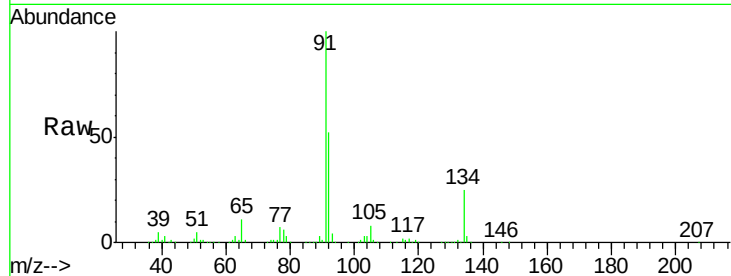
ClientSampleId :

VSTDCCC050

Tot Ion:	91	Resp:	364103
Ion	Ratio	Lower	Upper
91	100		
92	51.3	25.9	77.6
134	25.2	12.4	37.0

Manual Integrations
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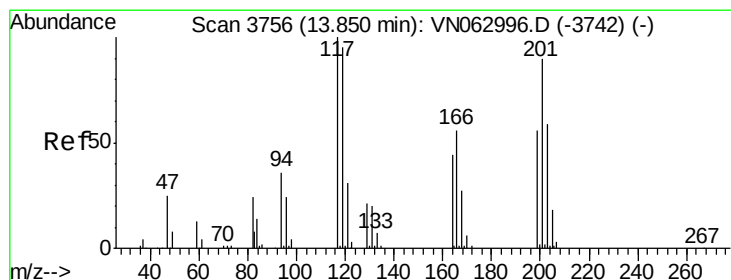
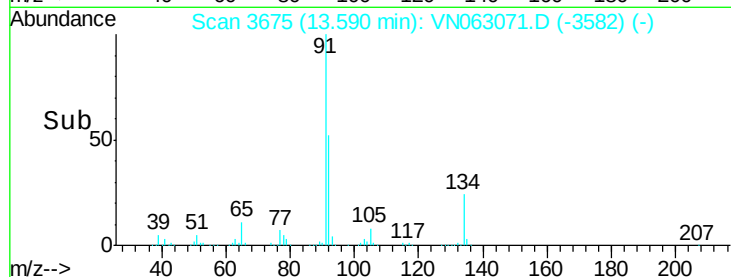
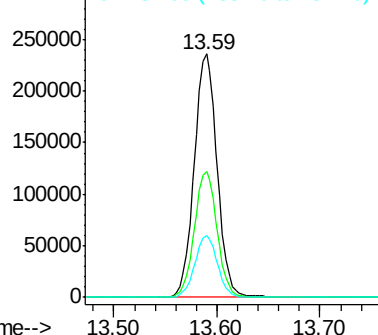


Abundance

Ion 91.00 (90.70 to 91.70): VN062996.D (-3662) (-)

Ion 92.00 (91.70 to 92.70): VN062996.D (-3662) (-)

Ion 134.00 (133.70 to 134.70): VN062996.D (-3662) (-)



#90

Hexachloroethane

Concen: 53.133 ug/l

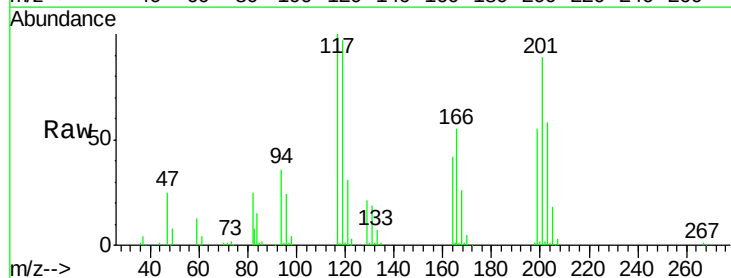
RT: 13.85 min Scan# 3755

Delta R.T. -0.00 min

Lab File: VN063071.D

Acq: 21 Aug 2020 9:55

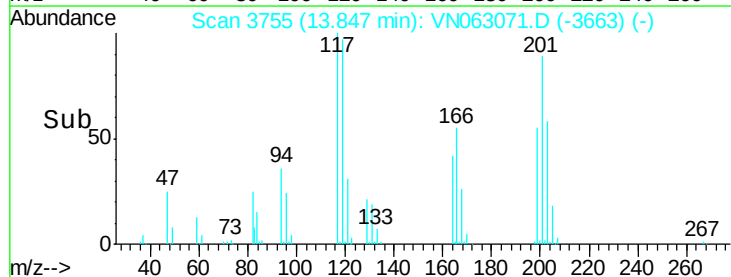
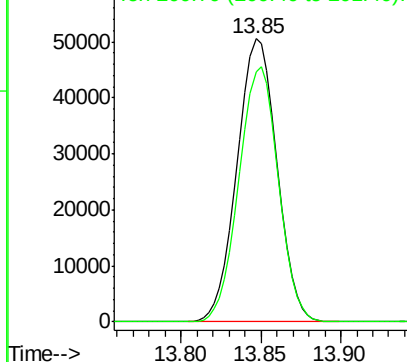
Tgt Ion:	117	Resp:	85822
Ion	Ratio	Lower	Upper
117	100		
201	89.0	44.1	132.4

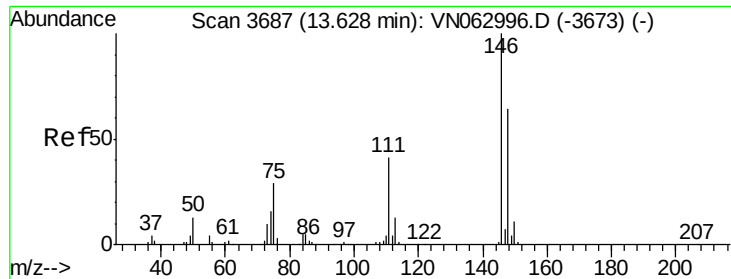


Abundance

Ion 116.80 (116.50 to 117.50): VN062996.D (-3742) (-)

Ion 200.70 (200.40 to 201.40): VN062996.D (-3742) (-)





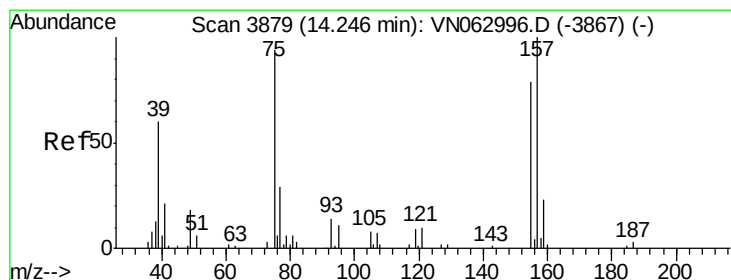
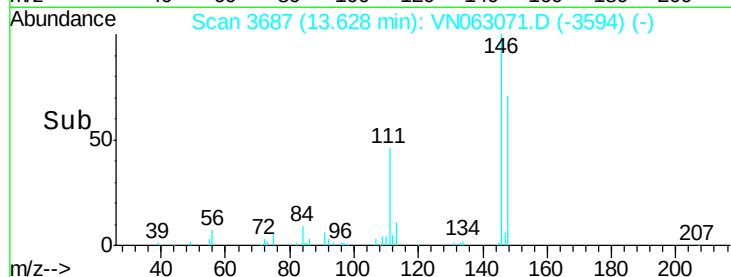
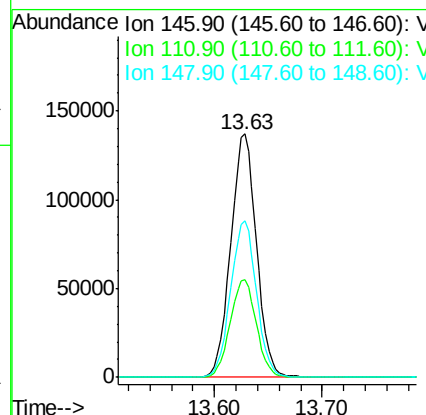
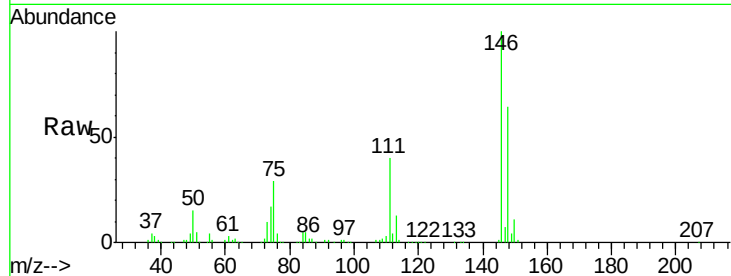
#91
 1,2-Dichlorobenzene
 Concen: 55.384 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN063071.D
 Acq: 21 Aug 2020 9:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	228715		
111	40.7		20.2	60.5
148	64.4		31.9	95.5

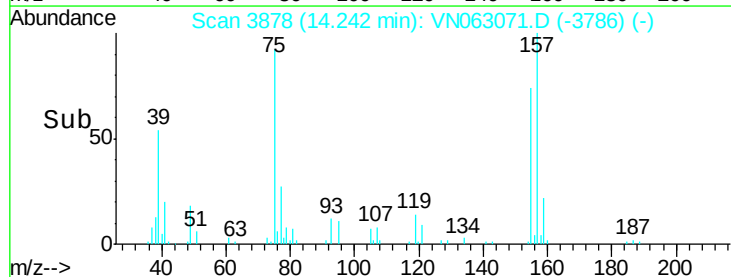
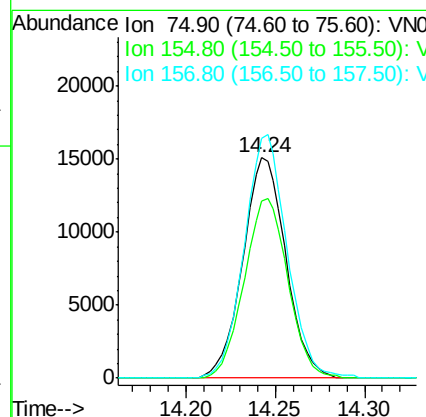
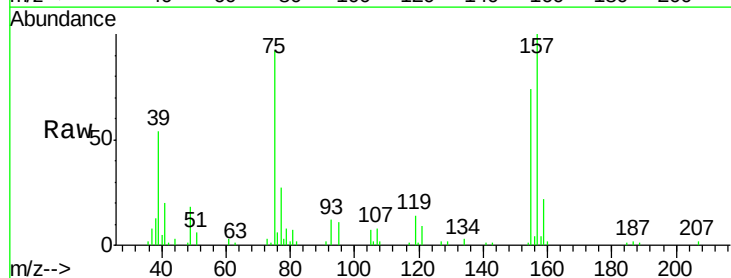
Manual Integrations
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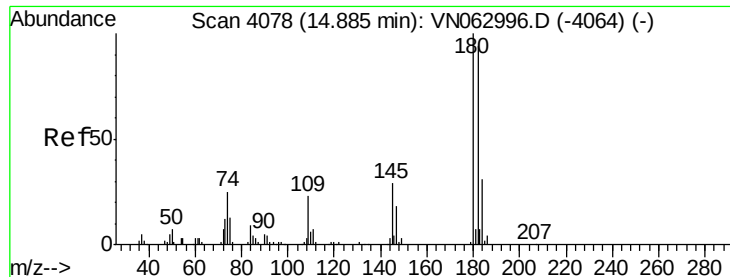
sam
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.903 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. -0.00 min
 Lab File: VN063071.D
 Acq: 21 Aug 2020 9:55

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	25465		
155	82.5		42.4	127.1
157	109.7		55.2	165.6





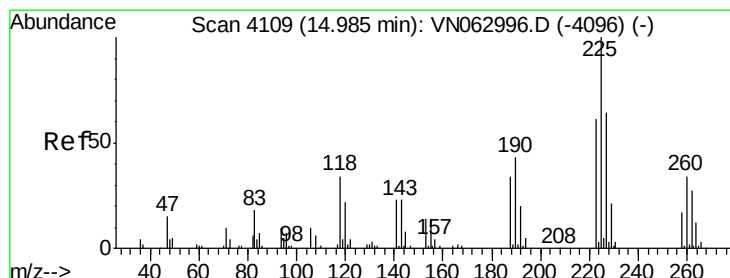
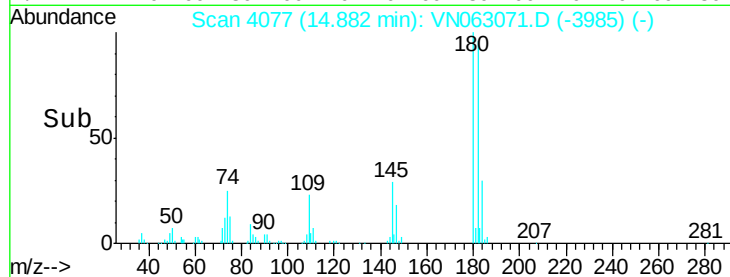
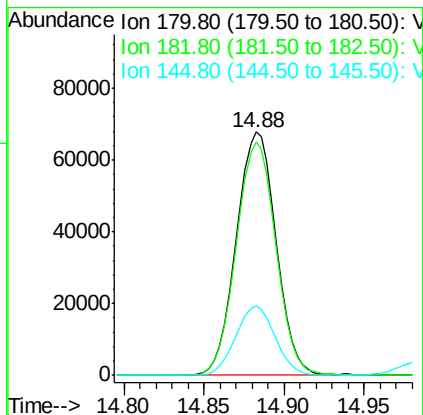
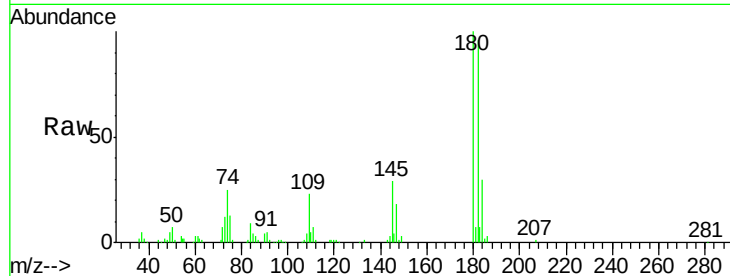
#93
 1,2,4-Trichlorobenzene
 Concen: 50.127 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN063071.D
 Acq: 21 Aug 2020 9:55

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.0	141.2
145	28.2	14.1	42.4

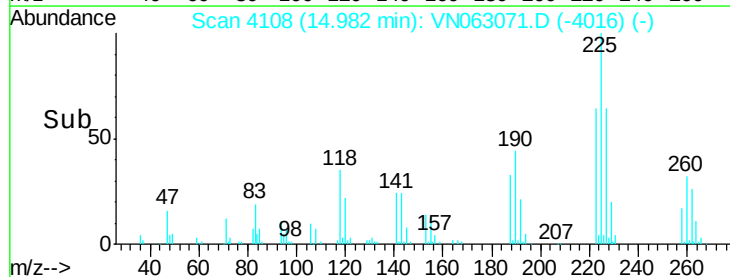
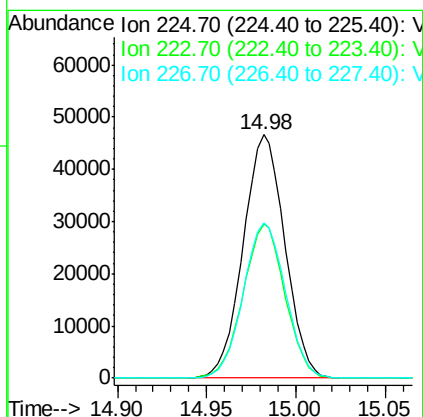
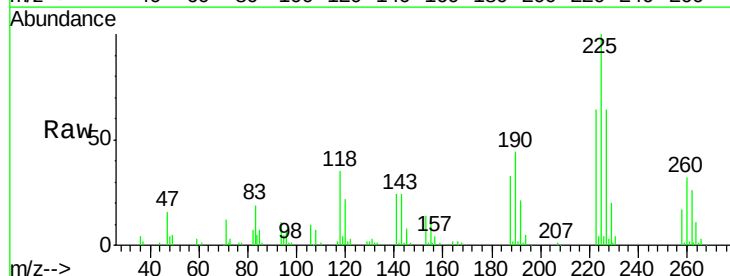
Manual Integrations
 APPROVED

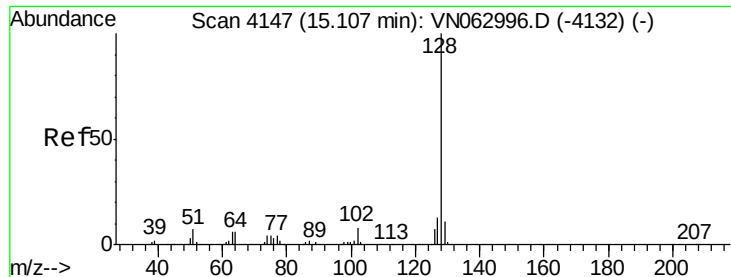
sam
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#94
 Hexachlorobutadiene
 Concen: 49.986 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN063071.D
 Acq: 21 Aug 2020 9:55

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	30.9	92.5
227	64.3	31.9	95.9





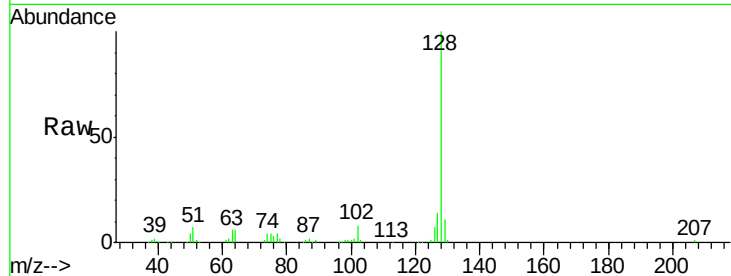
#95
Naphthalene
Concen: 48.043 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. -0.00 min
Lab File: VN063071.D
Acq: 21 Aug 2020 9:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	251869		
127	13.2		10.6	16.0
129	10.7		8.9	13.3

Manual Integrations
APPROVED

sam
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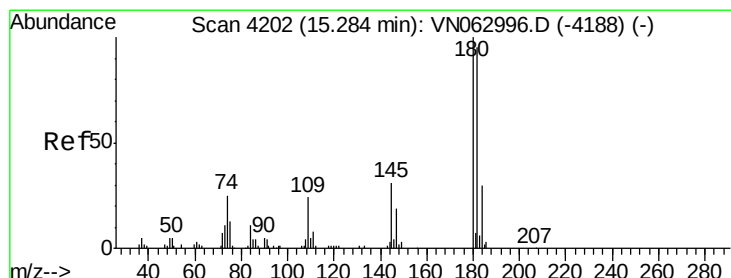
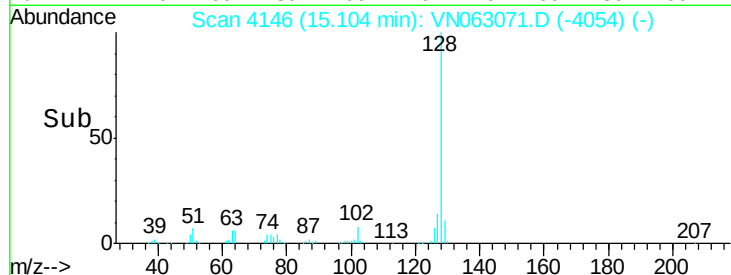
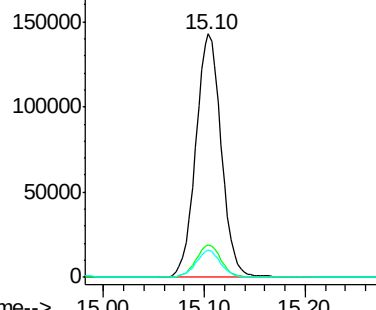


Abundance

Ion 128.00 (127.70 to 128.70): V

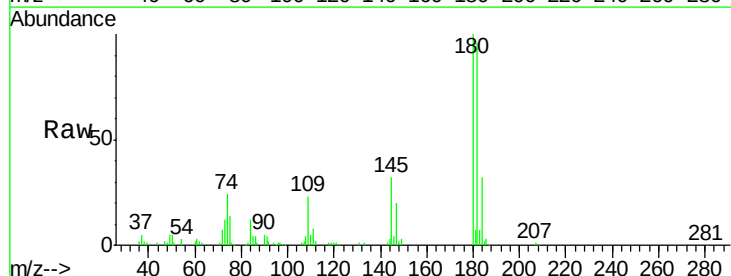
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 49.540 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. 0.00 min
Lab File: VN063071.D
Acq: 21 Aug 2020 9:55

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	111077		
182	97.0		47.3	141.9
145	31.1		15.6	46.7



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

