

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120320\
 Data File : VN064889.D
 Acq On : 3 Dec 2020 10:23
 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
 12/4/2020 5:41:50 PM

Quant Time: Dec 04 03:30:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 23 13:54:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	211823	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	307225	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	289492	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	146976	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.98	65	113863	46.24	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	92.48%		
35) Dibromofluoromethane	7.54	113	100570	54.71	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	109.42%		
50) Toluene-d8	10.06	98	392736	52.29	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	104.58%		
62) 4-Bromofluorobenzene	12.37	95	142252	52.92	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	105.84%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	77211	42.058	ug/l	99
3) Chloromethane	2.04	50	99858	41.858	ug/l	100
4) Vinyl Chloride	2.17	62	108463	43.608	ug/l	95
5) Bromomethane	2.52	94	69359	42.504	ug/l	97
6) Chloroethane	2.67	64	70786	46.014	ug/l	99
7) Trichlorofluoromethane	2.99	101	159166	46.294	ug/l	100
8) Diethyl Ether	3.37	74	62069	45.736	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.71	101	99545	48.265	ug/l	99
10) Methyl Iodide	3.90	142	117107	43.775	ug/l	99
11) Tert butyl alcohol	4.74	59	75585	196.812	ug/l	100
12) 1,1-Dichloroethene	3.69	96	94663	46.086	ug/l	99
13) Acrolein	3.56	56	71431	304.504	ug/l	98
14) Allyl chloride	4.27	41	149684	44.183	ug/l	99
15) Acrylonitrile	4.93	53	241205	227.351	ug/l	99
16) Acetone	3.78	43	163639	202.143	ug/l	98
17) Carbon Disulfide	4.00	76	235543	44.413	ug/l	99
18) Methyl Acetate	4.28	43	108178	44.447	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	313596	47.603	ug/l	99
20) Methylene Chloride	4.50	84	114977	45.326	ug/l	98
21) trans-1,2-Dichloroethene	4.98	96	104550	45.835	ug/l	98
22) Diisopropyl ether	5.90	45	333748	49.218	ug/l	99
23) Vinyl Acetate	5.84	43	1304398	240.548	ug/l	99
24) 1,1-Dichloroethane	5.79	63	193490	47.745	ug/l	98
25) 2-Butanone	6.78	43	289056	220.271	ug/l	98
26) 2,2-Dichloropropane	6.77	77	163992	46.657	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	120160	46.814	ug/l	99
28) Bromochloromethane	7.14	49	85960	46.366	ug/l	96
29) Tetrahydrofuran	7.16	42	196949	217.419	ug/l	99
30) Chloroform	7.32	83	200969	48.088	ug/l	99
31) Cyclohexane	7.61	56	153335	44.675	ug/l	98
32) 1,1,1-Trichloroethane	7.52	97	171500	47.780	ug/l	99
36) 1,1-Dichloropropene	7.75	75	146410	51.414	ug/l	99
37) Ethyl Acetate	6.88	43	125951	45.916	ug/l	98
38) Carbon Tetrachloride	7.73	117	154938	52.291	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120320\
 Data File : VN064889.D
 Acq On : 3 Dec 2020 10:23
 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
 12/4/2020 5:41:50 PM

Quant Time: Dec 04 03:30:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 23 13:54:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	158382	51.666	ug/l	95
40) Benzene	8.00	78	453057	51.919	ug/l	98
41) Methacrylonitrile	7.12	41	60836	48.065	ug/l	93
42) 1,2-Dichloroethane	8.08	62	148582	50.474	ug/l	100
43) Isopropyl Acetate	8.12	43	208094	47.145	ug/l	99
44) Trichloroethene	8.80	130	130116	50.536	ug/l	99
45) 1,2-Dichloropropane	9.08	63	121573	53.798	ug/l	100
46) Dibromomethane	9.17	93	79020	52.341	ug/l	99
47) Bromodichloromethane	9.37	83	161045	53.015	ug/l	97
48) Methyl methacrylate	9.16	41	102618	48.654	ug/l	97
49) 1,4-Dioxane	9.16	88	37823	948.822	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	645102	243.445	ug/l	100
52) Toluene	10.12	92	289111	53.798	ug/l	97
53) t-1,3-Dichloropropene	10.35	75	174560	51.593	ug/l	99
54) cis-1,3-Dichloropropene	9.80	75	191462	52.794	ug/l	100
55) 1,1,2-Trichloroethane	10.53	97	114804	51.951	ug/l	96
56) Ethyl methacrylate	10.40	69	157757	51.732	ug/l	99
57) 1,3-Dichloropropane	10.68	76	189760	52.056	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	444400	264.929	ug/l	100
59) 2-Hexanone	10.72	43	471111	247.032	ug/l	100
60) Dibromochloromethane	10.87	129	132092	53.774	ug/l	100
61) 1,2-Dibromoethane	10.97	107	114975	51.211	ug/l	98
64) Tetrachloroethene	10.60	164	147245	52.280	ug/l	99
65) Chlorobenzene	11.40	112	317689	51.102	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	119898	52.479	ug/l	100
67) Ethyl Benzene	11.48	91	539533	51.950	ug/l	98
68) m/p-Xylenes	11.59	106	426280	108.412	ug/l	99
69) o-Xylene	11.92	106	200670	53.780	ug/l	99
70) Styrene	11.94	104	349710	55.518	ug/l	98
71) Bromoform	12.10	173	91145	49.949	ug/l #	100
73) Isopropylbenzene	12.22	105	535542	52.385	ug/l	100
74) N-amyl acetate	12.04	43	186844	46.441	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	138283	46.149	ug/l	99
76) 1,2,3-Trichloropropane	12.52	75	151507m	47.866	ug/l	
77) Bromobenzene	12.50	156	139217	50.511	ug/l	97
78) n-propylbenzene	12.56	91	618938	53.145	ug/l	99
79) 2-Chlorotoluene	12.65	91	362320	50.329	ug/l	99
80) 1,3,5-Trimethylbenzene	12.70	105	467727	55.043	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	54232	46.959	ug/l	96
82) 4-Chlorotoluene	12.74	91	388525	51.488	ug/l	100
83) tert-Butylbenzene	12.96	119	385511	54.125	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	467732	54.441	ug/l	100
85) sec-Butylbenzene	13.14	105	516220	54.587	ug/l	100
86) p-Isopropyltoluene	13.26	119	486067	56.455	ug/l	100
87) 1,3-Dichlorobenzene	13.25	146	252622	51.589	ug/l	99
88) 1,4-Dichlorobenzene	13.33	146	249360	48.152	ug/l	100
89) n-Butylbenzene	13.59	91	410331	54.269	ug/l	100
90) Hexachloroethane	13.85	117	81178	54.275	ug/l	99
91) 1,2-Dichlorobenzene	13.62	146	247560	51.488	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	29214	43.330	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120320\
Data File : VN064889.D
Acq On : 3 Dec 2020 10:23
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
12/4/2020 5:41:50 PM

Quant Time: Dec 04 03:30:48 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
Quant Title : SW846 8260
QLast Update : Mon Nov 23 13:54:12 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	144691	48.646	ug/l	100
94) Hexachlorobutadiene	14.98	225	71946	53.688	ug/l	99
95) Naphthalene	15.10	128	403527	45.285	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	138336	48.971	ug/l	99

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

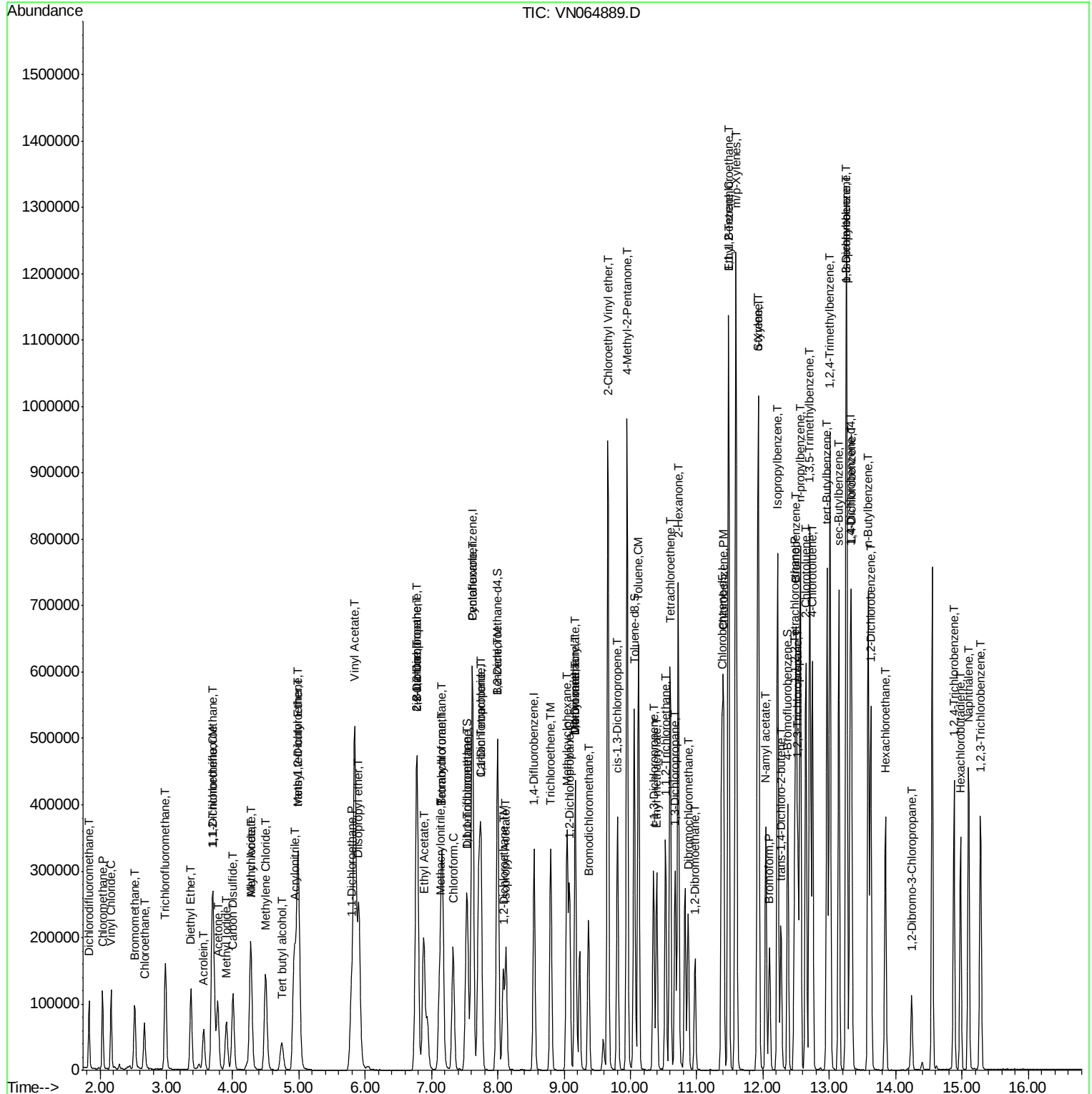
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN120320\
Data File : VN064889.D
Acq On : 3 Dec 2020 10:23
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 2 Sample Multiplier: 1

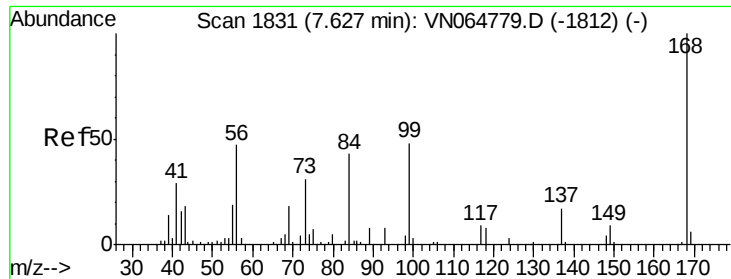
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

SAM
12/4/2020 5:41:50 PM

Quant Time: Dec 04 03:30:48 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
Quant Title : SW846 8260
QLast Update : Mon Nov 23 13:54:12 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1829

Delta R.T. -0.01 min

Lab File: VN064889.D

Acq: 3 Dec 2020 10:23

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:168 Resp: 211823

Ion Ratio Lower Upper

168 100

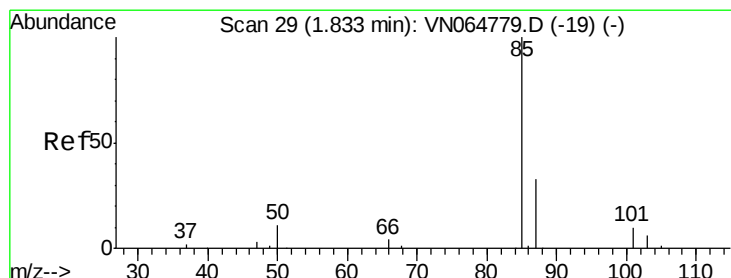
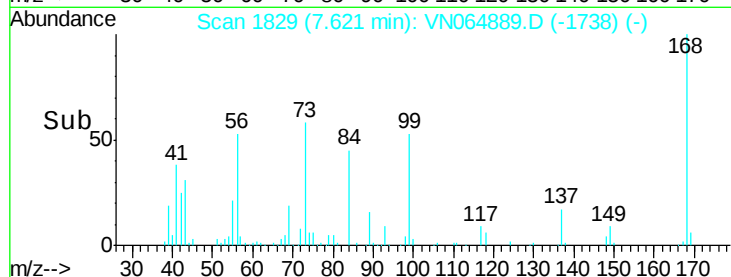
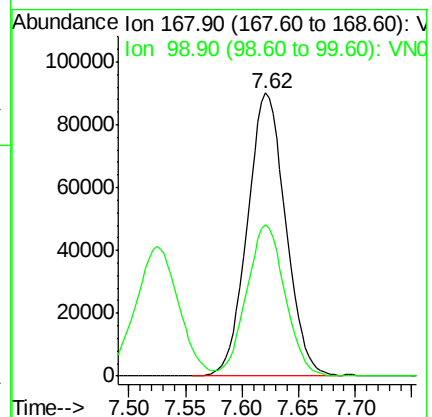
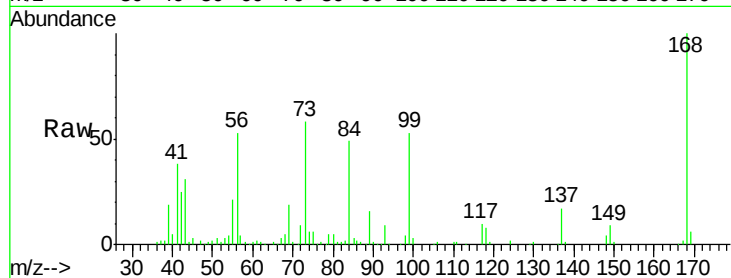
99 53.2 43.0 64.4

Manual Integrations

APPROVED

SAM

12/4/2020 5:41:50 PM



#2

Dichlorodifluoromethane

Concen: 42.058 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064889.D

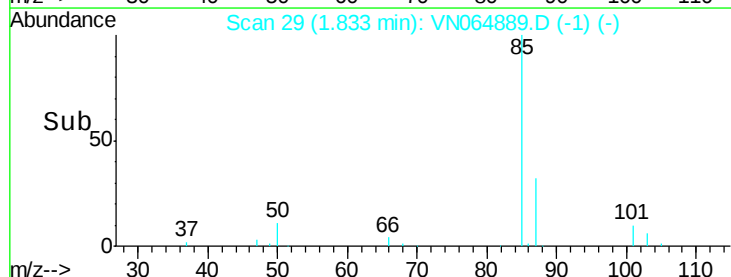
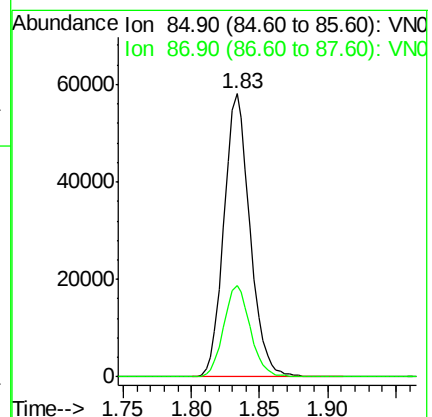
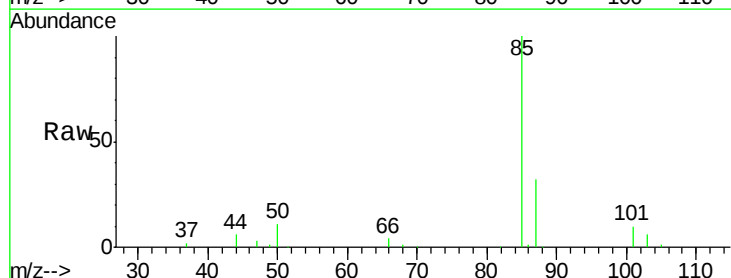
Acq: 3 Dec 2020 10:23

Tgt Ion: 85 Resp: 77211

Ion Ratio Lower Upper

85 100

87 32.3 16.4 49.4





#3

Chloromethane

Concen: 41.858 ug/l

RT: 2.04 min Scan# 92

Delta R.T. -0.00 min

Lab File: VN064889.D

Acq: 3 Dec 2020 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 99858

Ion Ratio Lower Upper

50 100

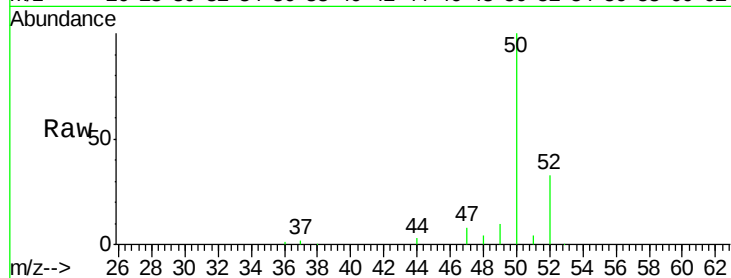
52 33.5 26.6 39.8

Manual Integrations

APPROVED

SAM

12/4/2020 5:41:50 PM



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.04

80000

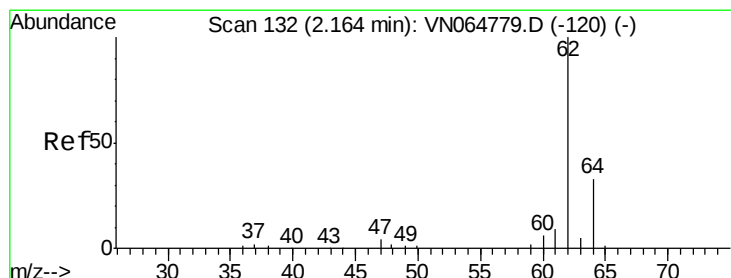
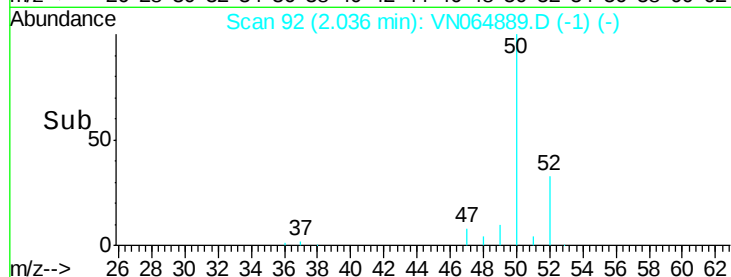
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 43.608 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN064889.D

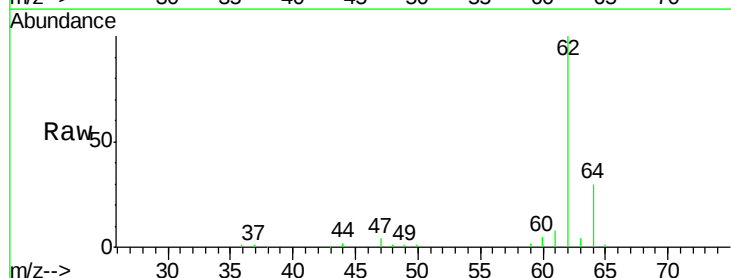
Acq: 3 Dec 2020 10:23

Tgt Ion: 62 Resp: 108463

Ion Ratio Lower Upper

62 100

64 30.2 26.5 39.7



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.17

80000

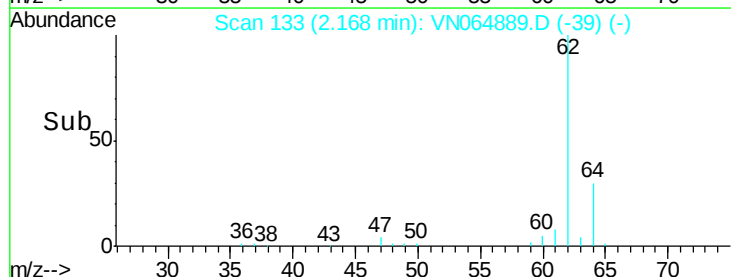
60000

40000

20000

0

Time-->





#5

Bromomethane

Concen: 42.504 ug/l

RT: 2.52 min Scan# 243

Delta R.T. -0.01 min

Lab File: VN064889.D

Acq: 3 Dec 2020 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 69359

Ion Ratio Lower Upper

94 100

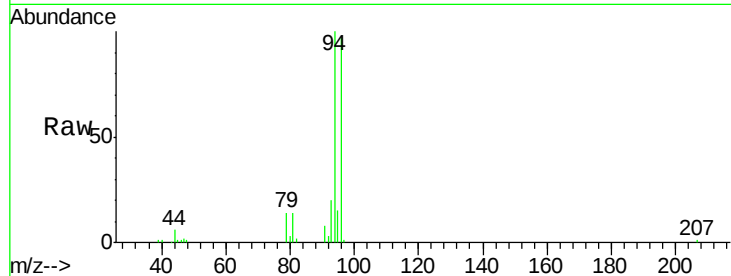
96 96.7 75.4 113.0

Manual Integrations

APPROVED

SAM

12/4/2020 5:41:50 PM

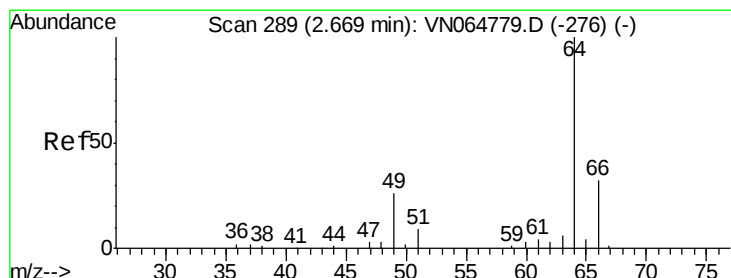
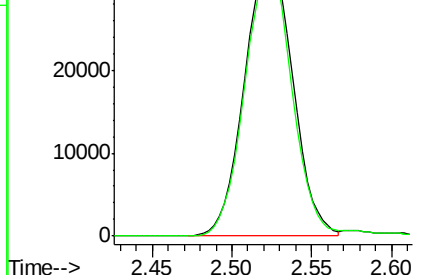
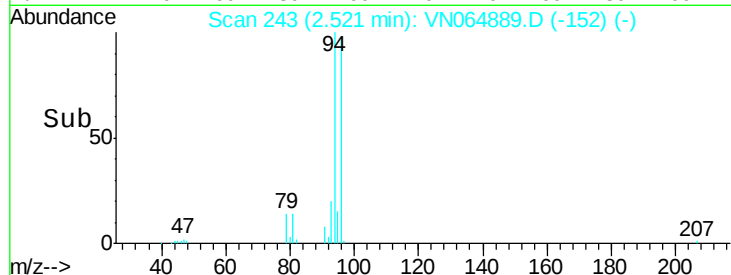


Abundance Ion 93.90 (93.60 to 94.60): VN064889.D (-152) (-)

Ion 95.90 (95.60 to 96.60): VN064889.D (-152) (-)

2.52

Time-->



#6

Chloroethane

Concen: 46.014 ug/l

RT: 2.67 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN064889.D

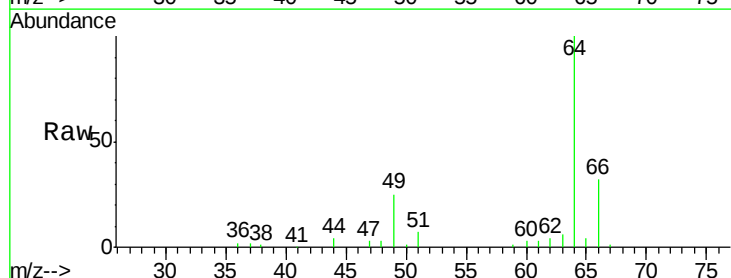
Acq: 3 Dec 2020 10:23

Tgt Ion: 64 Resp: 70786

Ion Ratio Lower Upper

64 100

66 31.6 25.6 38.4

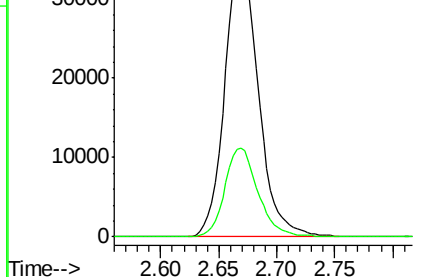
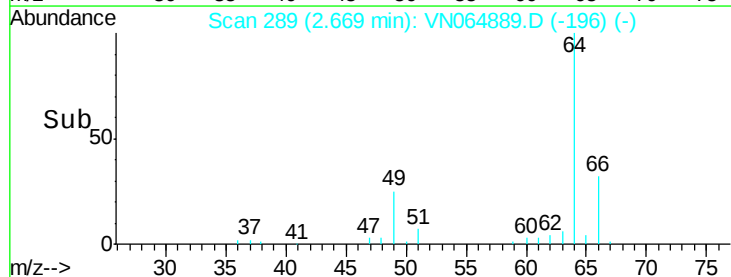


Abundance Ion 63.90 (63.60 to 64.60): VN064889.D (-196) (-)

Ion 65.90 (65.60 to 66.60): VN064889.D (-196) (-)

2.67

Time-->





#7

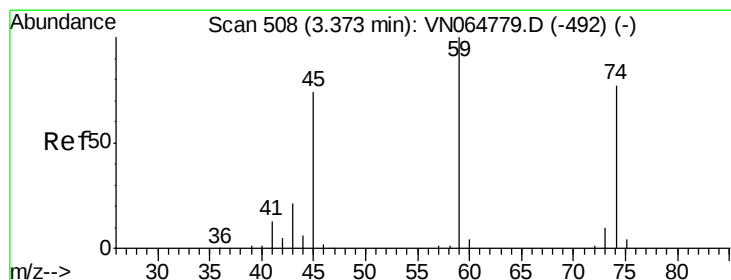
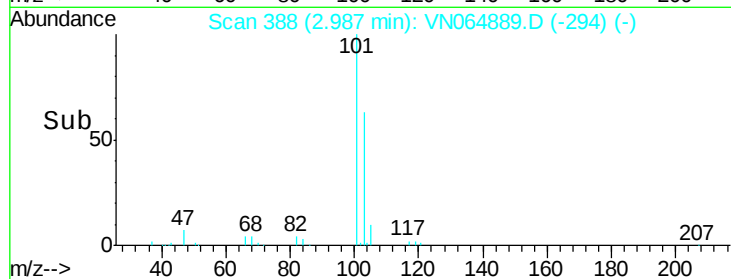
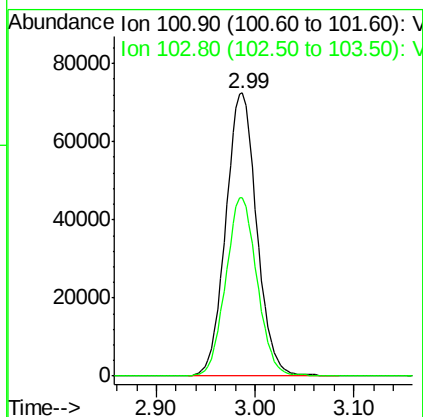
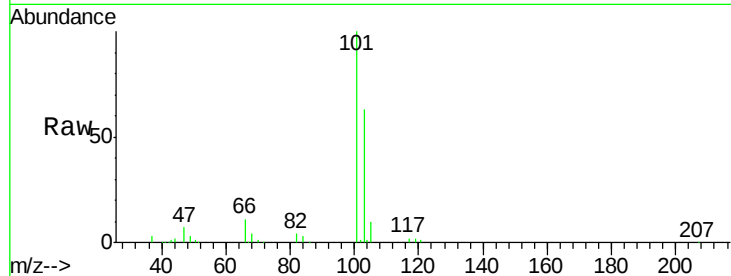
Trichlorofluoromethane
Concen: 46.294 ug/l
RT: 2.99 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN064889.D
Acq: 3 Dec 2020 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.0	50.5	75.7

Manual Integrations
APPROVED

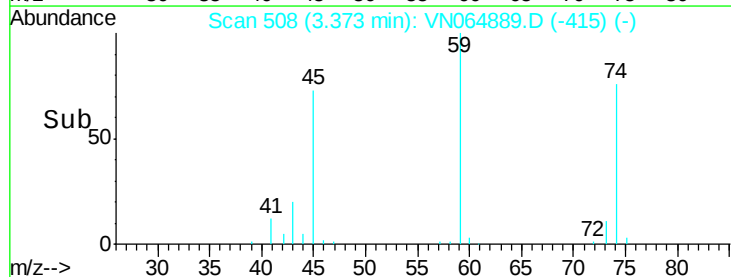
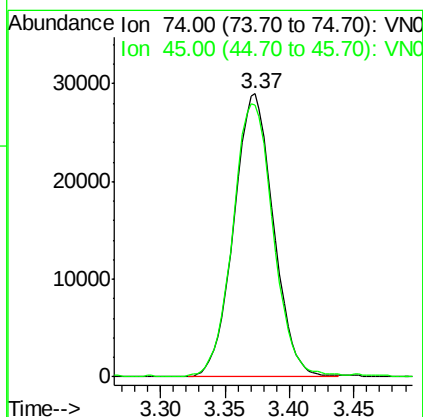
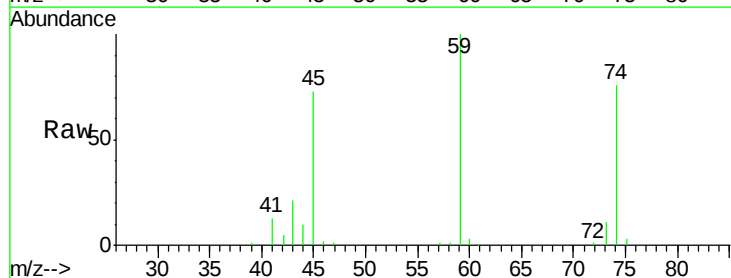
SAM
12/4/2020 5:41:50 PM

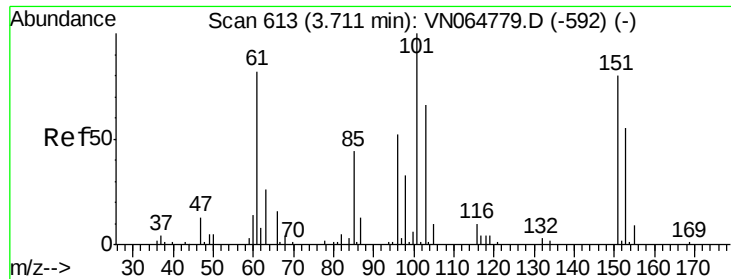


#8

Diethyl Ether
Concen: 45.736 ug/l
RT: 3.37 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN064889.D
Acq: 3 Dec 2020 10:23

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.9	48.9	146.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.265 ug/l

RT: 3.71 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN064889.D

Acq: 3 Dec 2020 10:23

Instrument :

MSVOA_N

ClientSampleId :

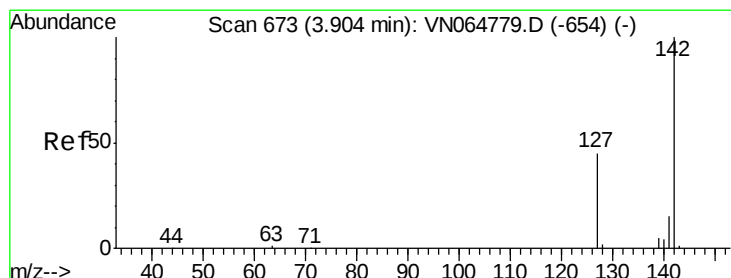
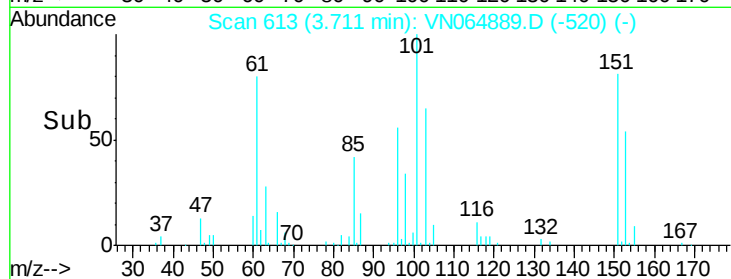
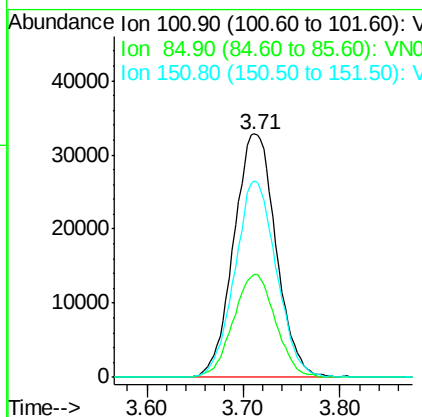
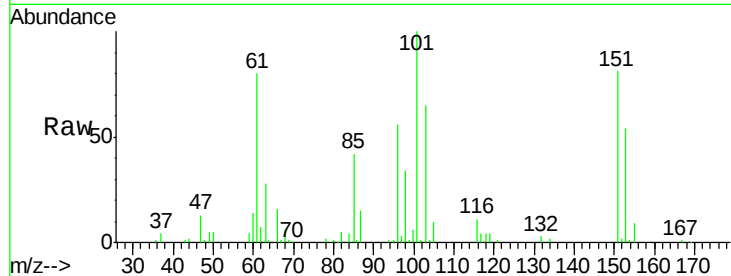
VSTDCCC050

Tot Ion:	101	Resp:	99545
Ion Ratio	Lower	Upper	
101	100		
85	42.2	34.4	51.6
151	79.5	64.0	96.0

Manual Integrations
APPROVED

SAM

12/4/2020 5:41:50 PM



#10

Methyl Iodide

Concen: 43.775 ug/l

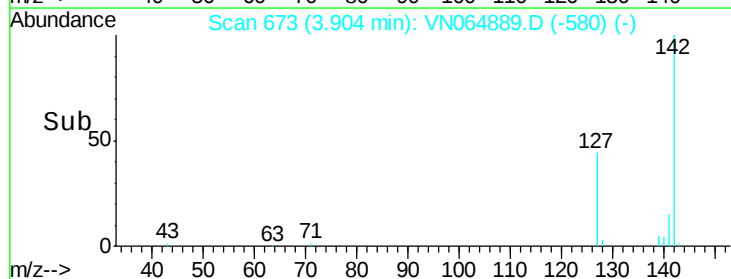
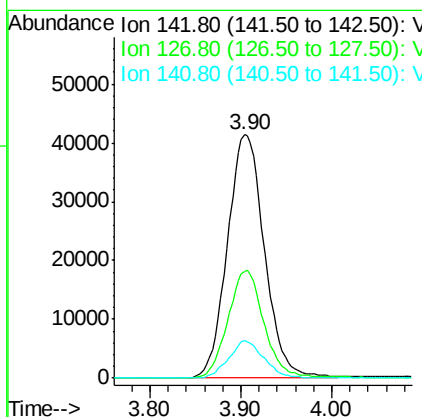
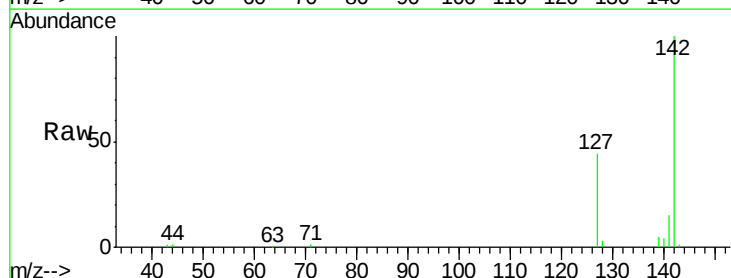
RT: 3.90 min Scan# 673

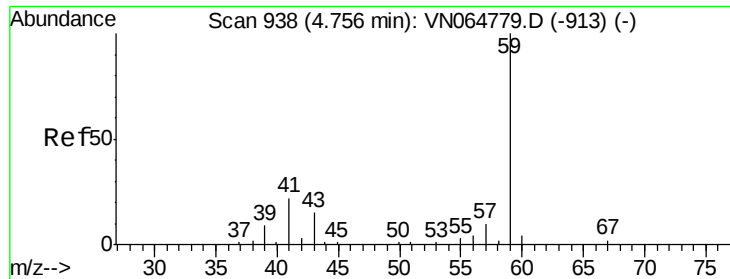
Delta R.T. 0.00 min

Lab File: VN064889.D

Acq: 3 Dec 2020 10:23

Tgt Ion:	142	Resp:	117107
Ion Ratio	Lower	Upper	
142	100		
127	43.1	35.0	52.6
141	14.4	11.8	17.6





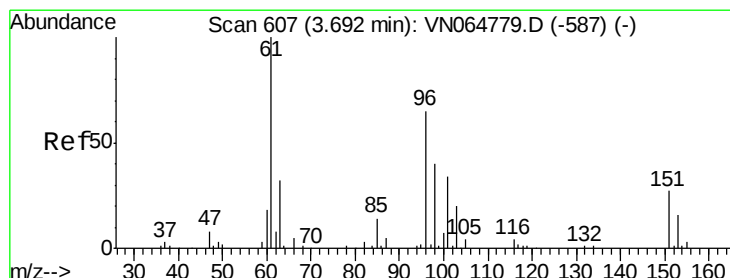
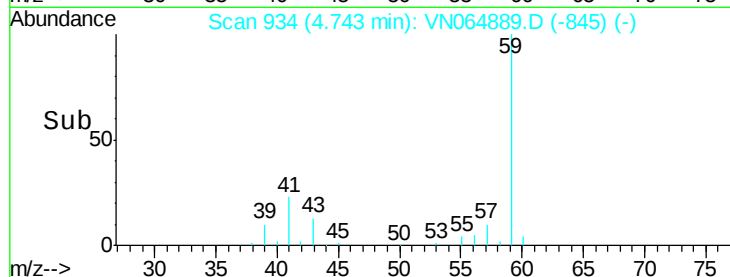
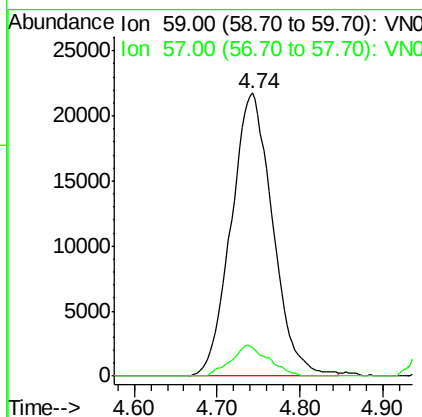
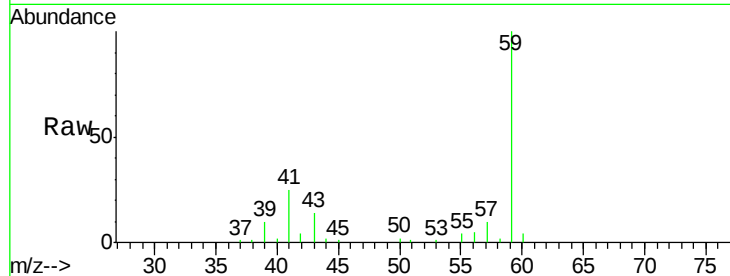
#11
Tert butyl alcohol
Concen: 196.812 ug/l
RT: 4.74 min Scan# 934
Delta R.T. -0.01 min
Lab File: VN064889.D
Acq: 3 Dec 2020 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 75585
Ion Ratio Lower Upper
59 100
57 9.8 7.9 11.9

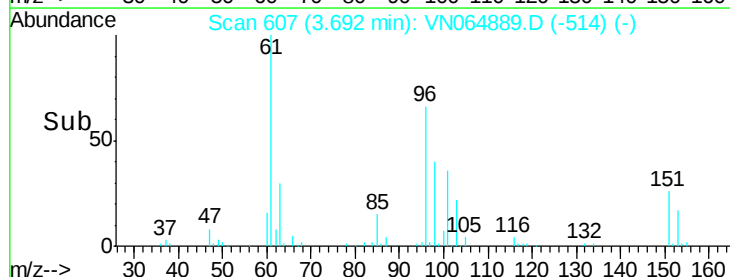
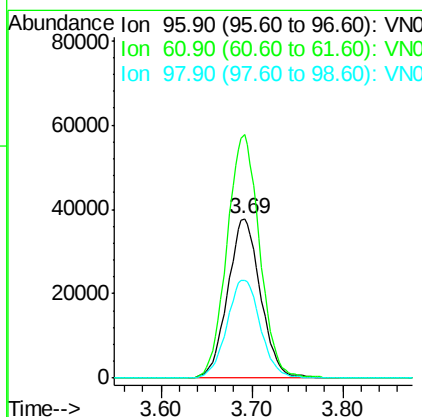
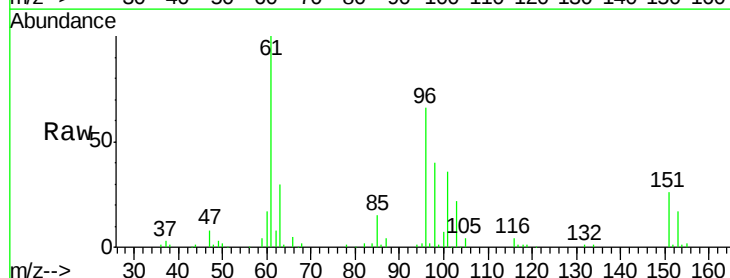
Manual Integrations
APPROVED

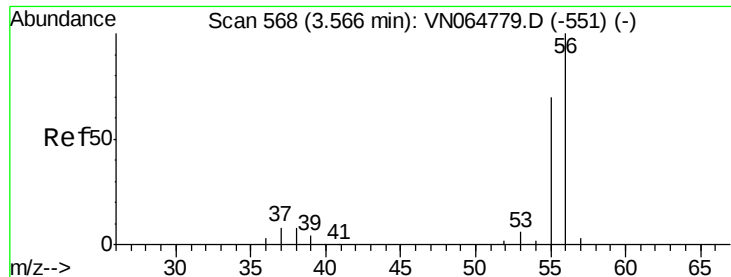
SAM
12/4/2020 5:41:50 PM



#12
1,1-Dichloroethene
Concen: 46.086 ug/l
RT: 3.69 min Scan# 607
Delta R.T. 0.00 min
Lab File: VN064889.D
Acq: 3 Dec 2020 10:23

Tgt Ion: 96 Resp: 94663
Ion Ratio Lower Upper
96 100
61 152.4 123.4 185.2
98 61.4 49.8 74.8





#13

Acrolein

Concen: 304.504 ug/l

RT: 3.56 min Scan# 567

Delta R.T. -0.00 min

Lab File: VN064889.D

Acq: 3 Dec 2020 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 71431

Ion Ratio Lower Upper

56 100

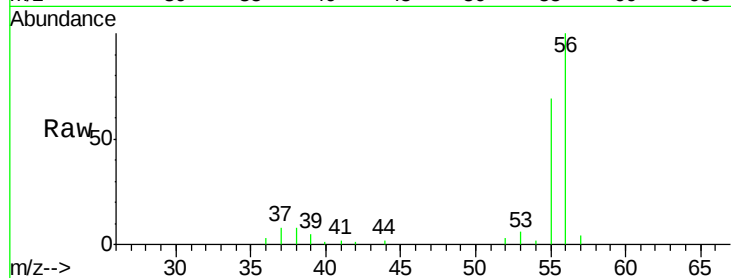
55 68.9 56.5 84.7

Manual Integrations

APPROVED

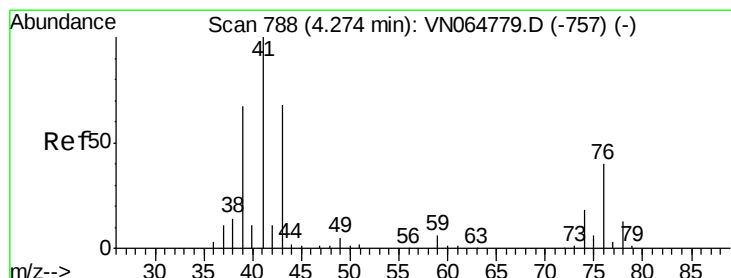
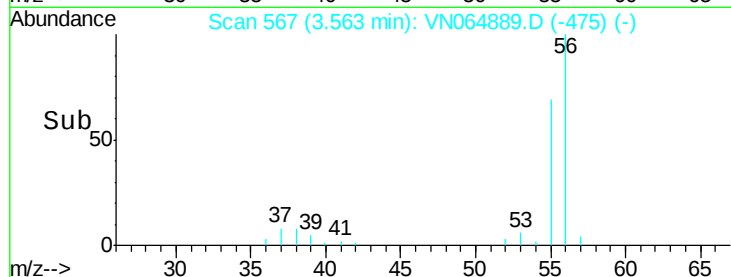
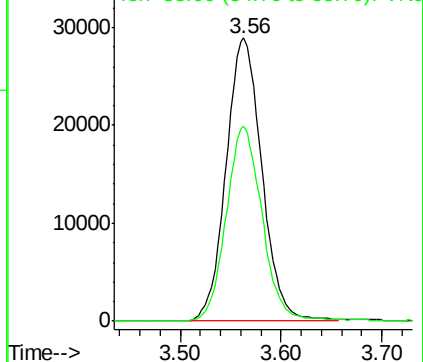
SAM

12/4/2020 5:41:50 PM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 44.183 ug/l

RT: 4.27 min Scan# 787

Delta R.T. -0.00 min

Lab File: VN064889.D

Acq: 3 Dec 2020 10:23

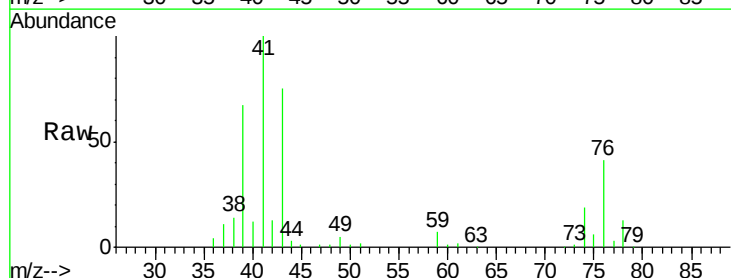
Tgt Ion: 41 Resp: 149684

Ion Ratio Lower Upper

41 100

39 63.0 50.9 76.3

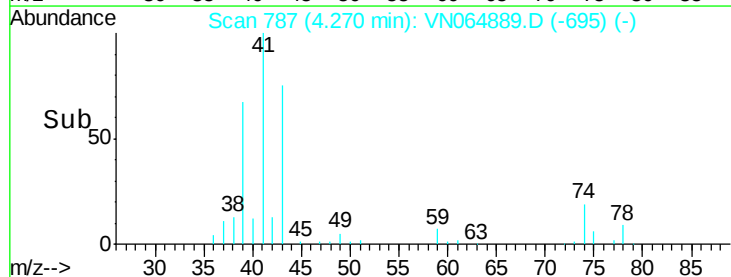
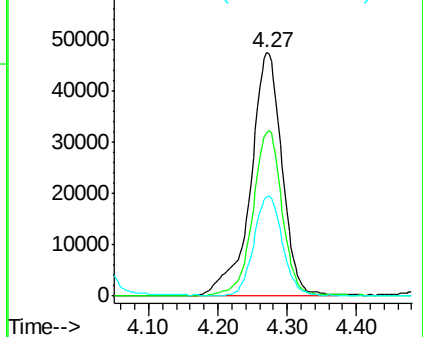
76 36.5 29.0 43.4



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 227.351 ug/l

RT: 4.93 min Scan# 991

Delta R.T. -0.01 min

Lab File: VN064889.D

Acq: 3 Dec 2020 10:23

Instrument :

MSVOA_N

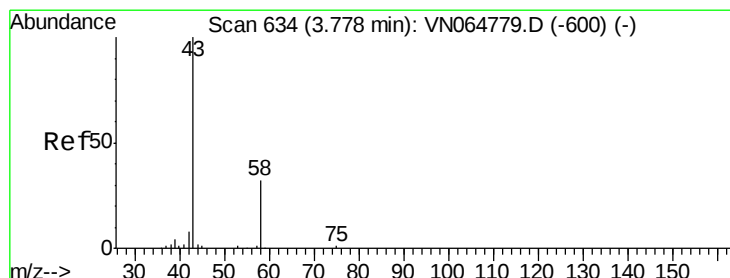
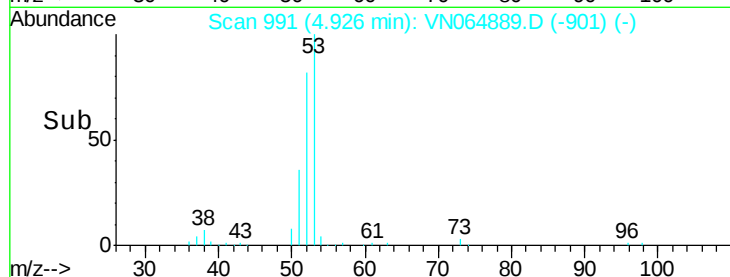
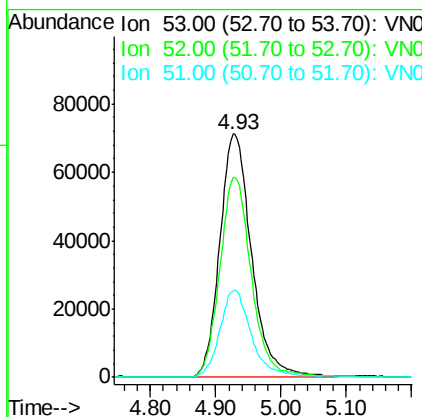
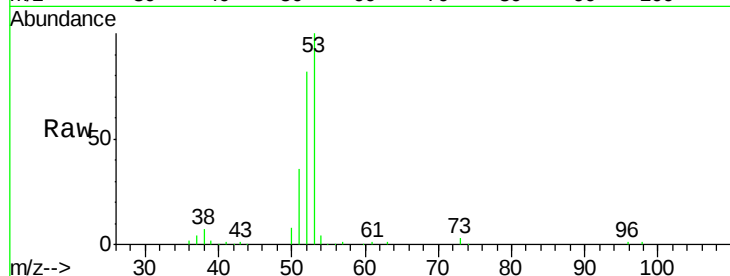
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	241205
Ion Ratio	Lower	Upper	
53	100		
52	81.2	65.5	98.3
51	35.5	28.6	43.0

Manual Integrations
APPROVED

SAM
12/4/2020 5:41:50 PM



#16

Acetone

Concen: 202.143 ug/l

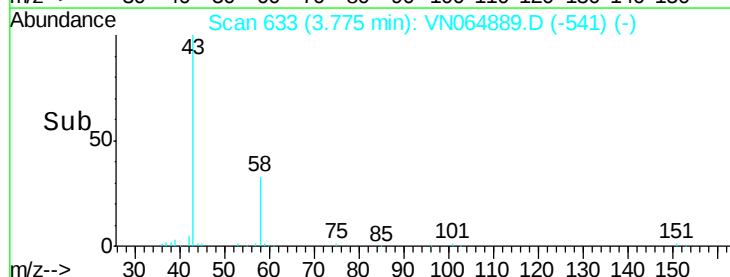
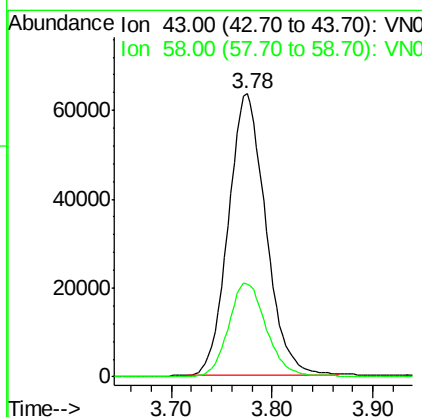
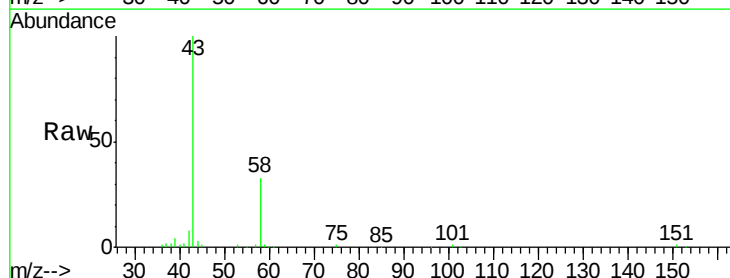
RT: 3.78 min Scan# 633

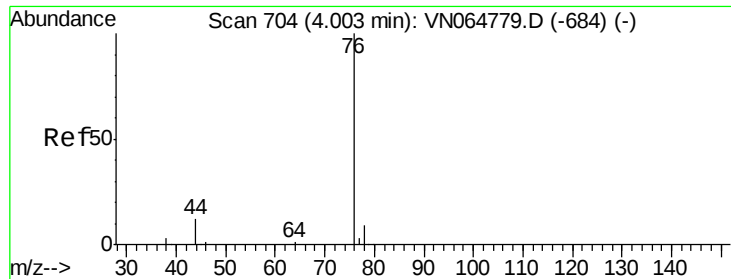
Delta R.T. -0.00 min

Lab File: VN064889.D

Acq: 3 Dec 2020 10:23

Tgt Ion:	43	Resp:	163639
Ion Ratio	Lower	Upper	
43	100		
58	33.1	25.7	38.5





#17

Carbon Disulfide

Concen: 44.413 ug/l

RT: 4.00 min Scan# 704

Delta R.T. 0.00 min

Lab File: VN064889.D

Acq: 3 Dec 2020 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 235543

Ion Ratio Lower Upper

76 100

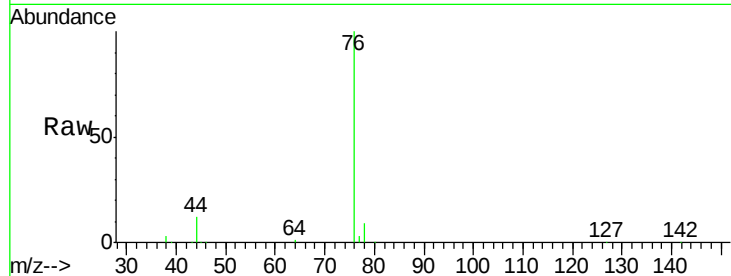
78 8.8 7.4 11.0

Manual Integrations

APPROVED

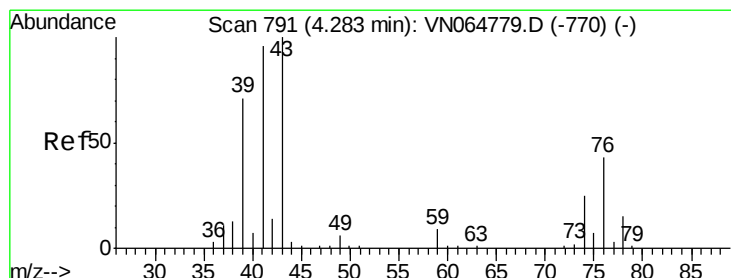
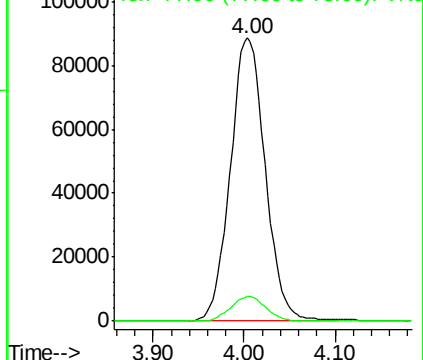
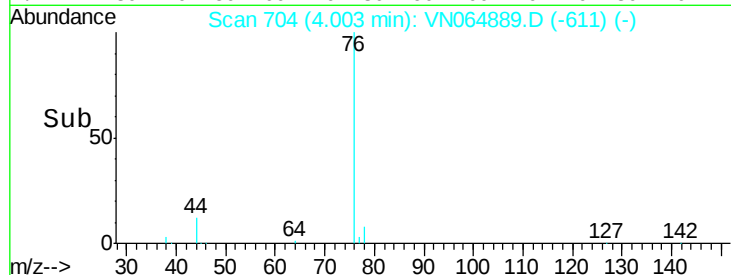
SAM

12/4/2020 5:41:50 PM



Abundance Ion 75.90 (75.60 to 76.60): VN064889.D (-611) (-)

Ion 77.90 (77.60 to 78.60): VN064889.D (-611) (-)



#18

Methyl Acetate

Concen: 44.447 ug/l

RT: 4.28 min Scan# 789

Delta R.T. -0.01 min

Lab File: VN064889.D

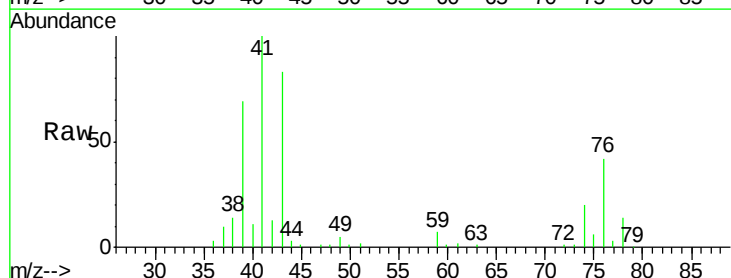
Acq: 3 Dec 2020 10:23

Tgt Ion: 43 Resp: 108178

Ion Ratio Lower Upper

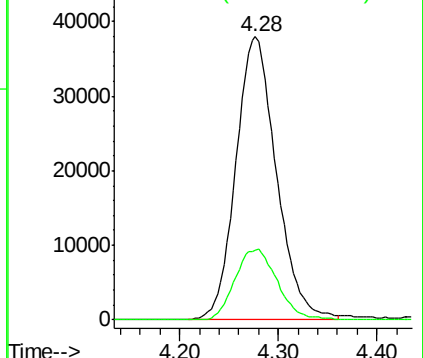
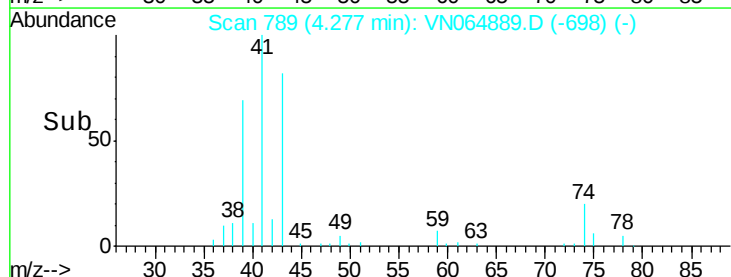
43 100

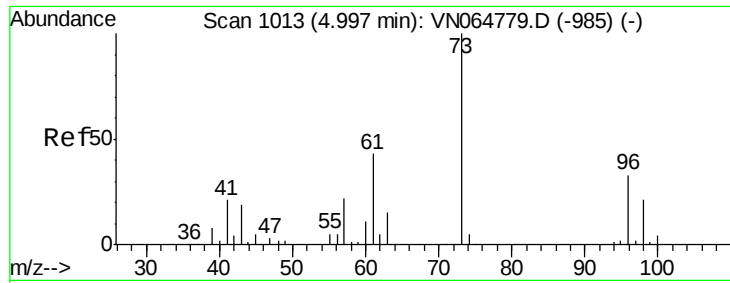
74 26.0 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VN064889.D (-698) (-)

Ion 74.00 (73.70 to 74.70): VN064889.D (-698) (-)





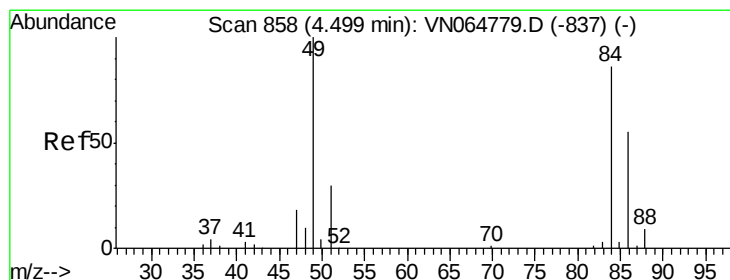
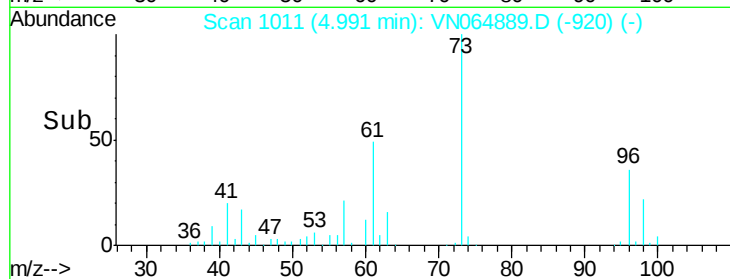
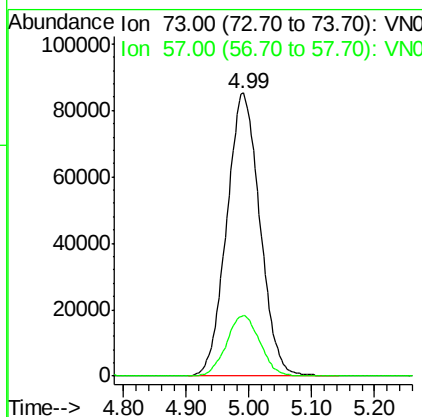
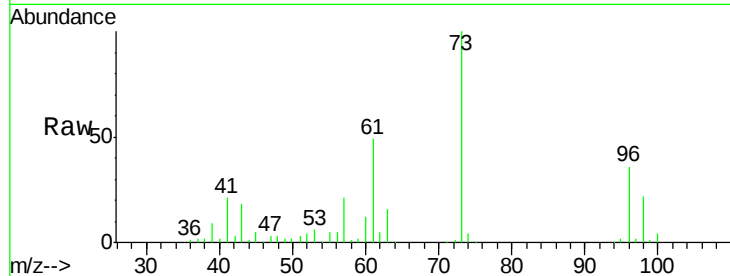
#19
Methvl tert-butvl Ether
Concen: 47.603 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VN064889.D
Acq: 3 Dec 2020 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 313596
Ion Ratio Lower Upper
73 100
57 21.2 17.4 26.0

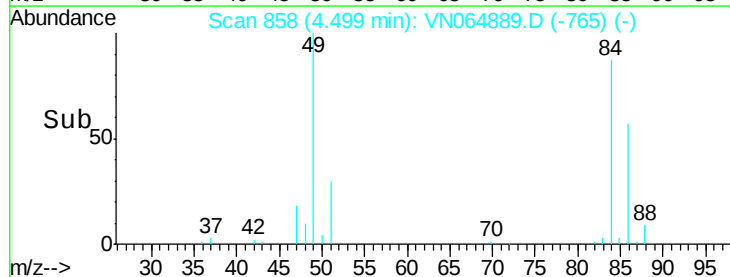
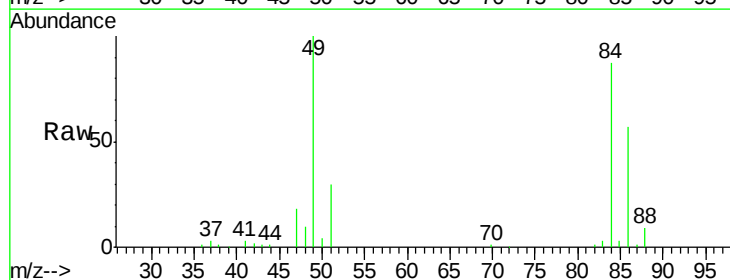
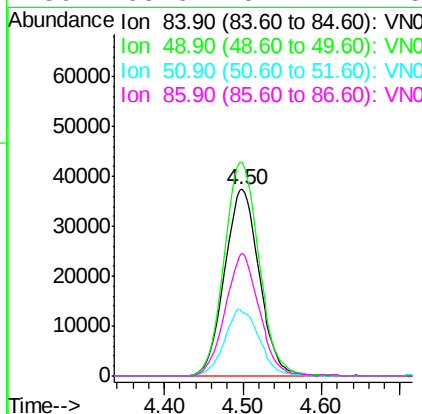
Manual Integrations
APPROVED

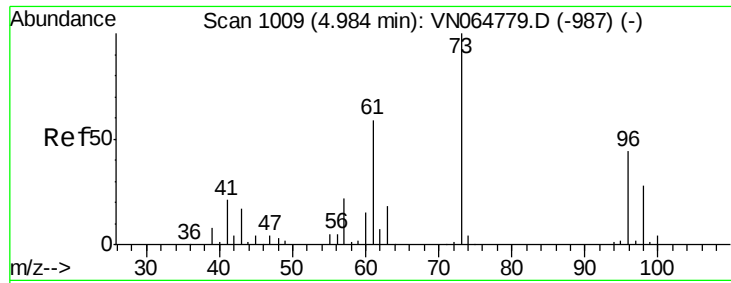
SAM
12/4/2020 5:41:50 PM



#20
Methylene Chloride
Concen: 45.326 ug/l
RT: 4.50 min Scan# 858
Delta R.T. 0.00 min
Lab File: VN064889.D
Acq: 3 Dec 2020 10:23

Tgt Ion: 84 Resp: 114977
Ion Ratio Lower Upper
84 100
49 114.5 93.4 140.0
51 34.4 28.2 42.4
86 65.6 51.7 77.5





#21

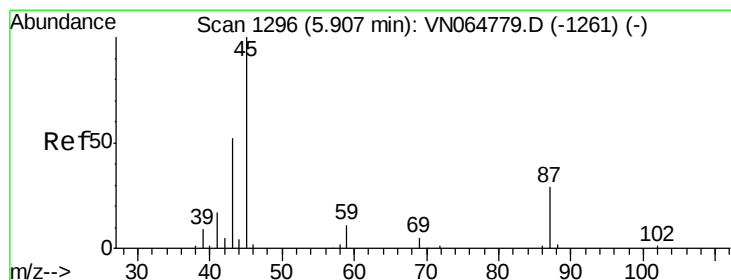
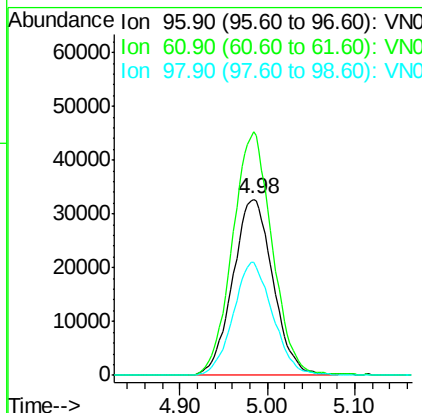
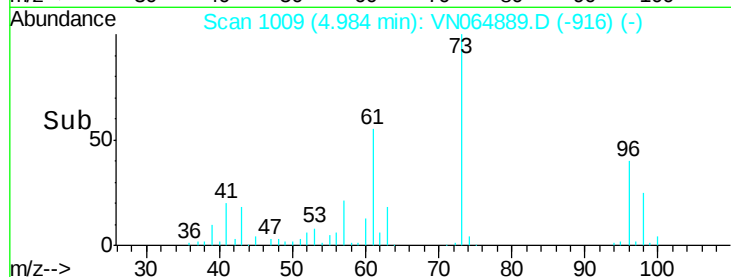
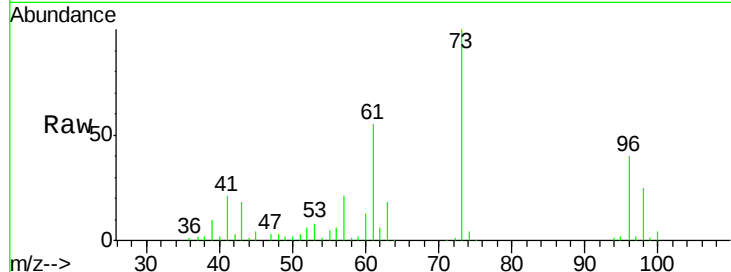
trans-1,2-Dichloroethene
Concen: 45.835 ug/l
RT: 4.98 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN064889.D
Acq: 3 Dec 2020 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.0	108.4	162.6
98	63.9	51.3	76.9

Manual Integrations
APPROVED

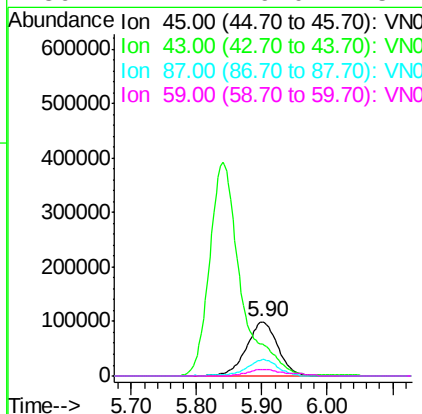
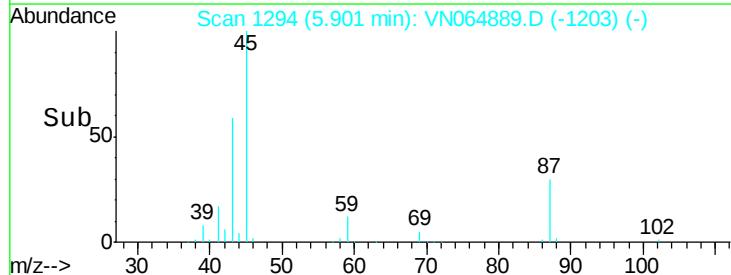
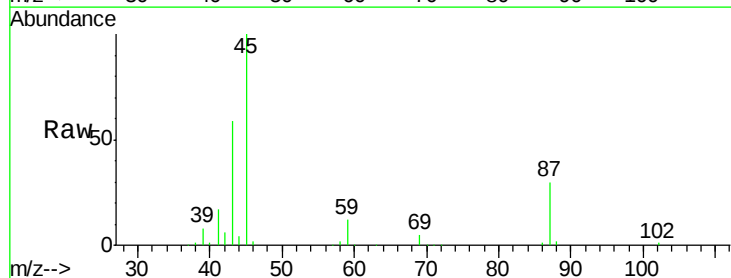
SAM
12/4/2020 5:41:50 PM

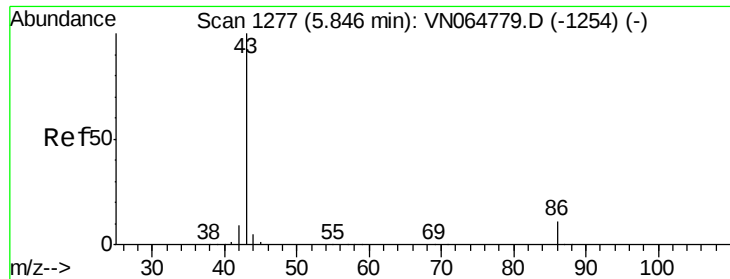


#22

Diisopropyl ether
Concen: 49.218 ug/l
RT: 5.90 min Scan# 1294
Delta R.T. -0.01 min
Lab File: VN064889.D
Acq: 3 Dec 2020 10:23

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.2	46.2	69.2
87	30.2	24.1	36.1
59	11.7	9.0	13.4





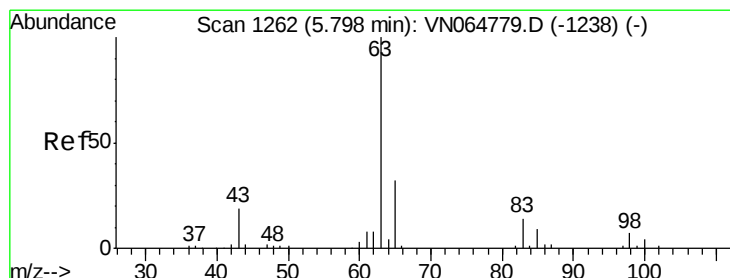
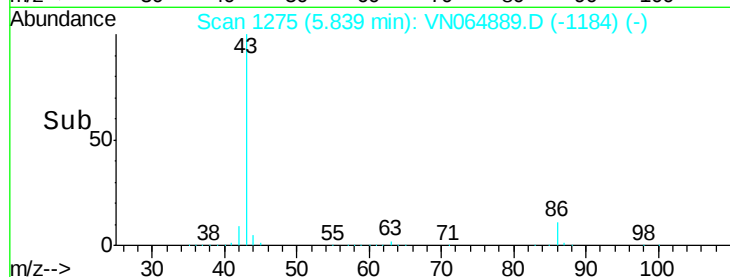
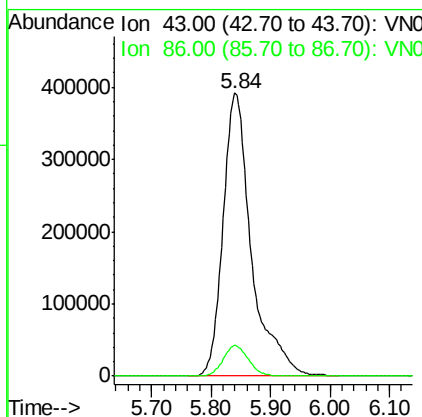
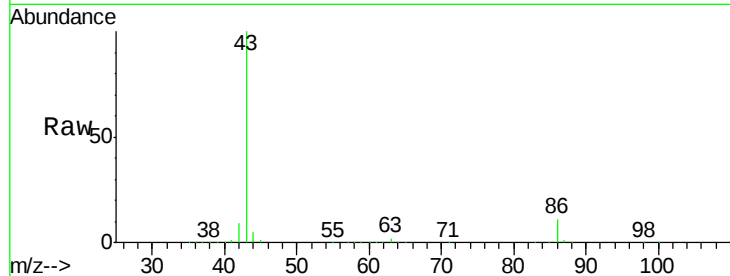
#23
 Vinyl Acetate
 Concen: 240.548 ug/l
 RT: 5.84 min Scan# 1275
 Delta R.T. -0.01 min
 Lab File: VN064889.D
 Acq: 3 Dec 2020 10:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 1304398
 Ion Ratio Lower Upper
 43 100
 86 10.8 8.9 13.3

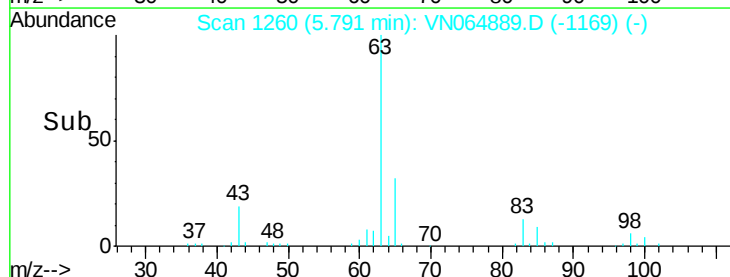
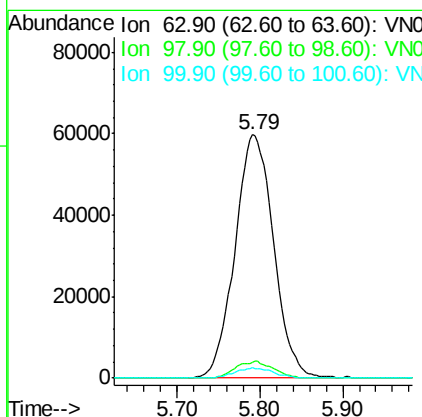
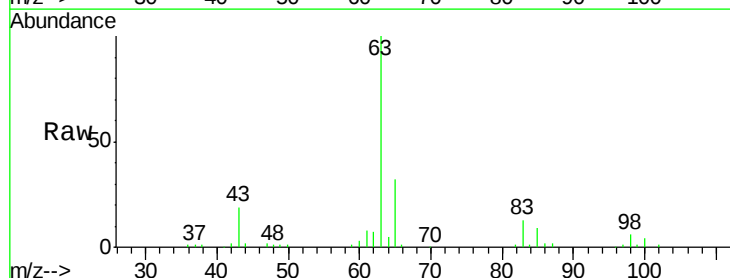
Manual Integrations
 APPROVED

SAM
 12/4/2020 5:41:50 PM



#24
 1,1-Dichloroethane
 Concen: 47.745 ug/l
 RT: 5.79 min Scan# 1260
 Delta R.T. -0.01 min
 Lab File: VN064889.D
 Acq: 3 Dec 2020 10:23

Tgt Ion: 63 Resp: 193490
 Ion Ratio Lower Upper
 63 100
 98 6.3 3.5 10.5
 100 4.1 2.3 6.8





#25

2-Butanone

Concen: 220.271 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. -0.01 min

Lab File: VN064889.D

Acq: 3 Dec 2020 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 289056

Ion Ratio Lower Upper

43 100

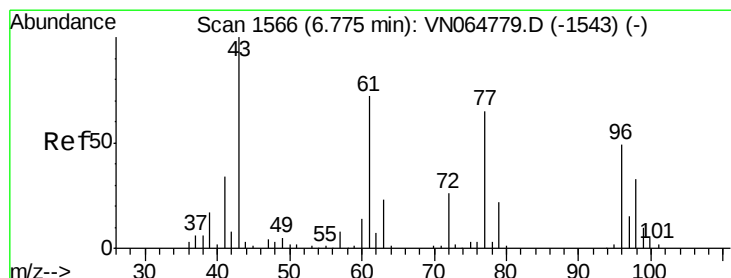
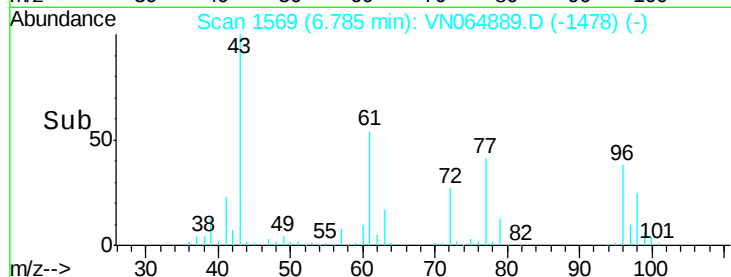
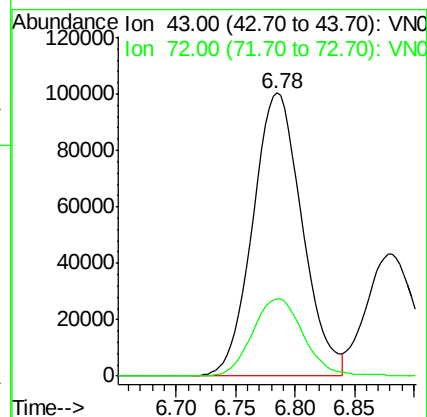
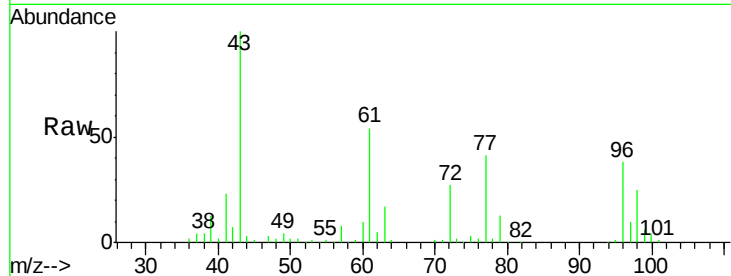
72 27.4 21.0 31.6

Manual Integrations

APPROVED

SAM

12/4/2020 5:41:50 PM



#26

2,2-Dichloropropane

Concen: 46.657 ug/l

RT: 6.77 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN064889.D

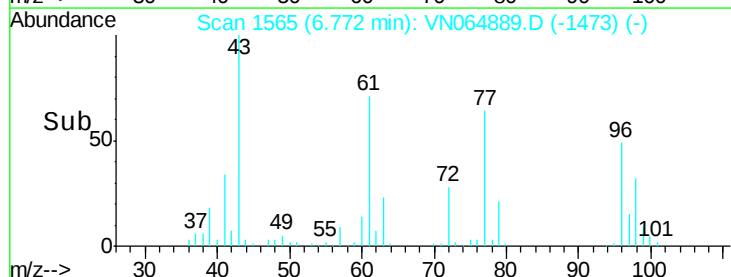
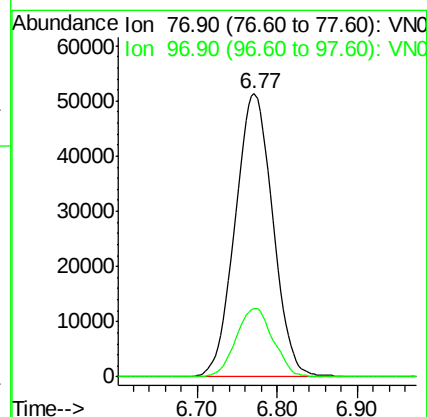
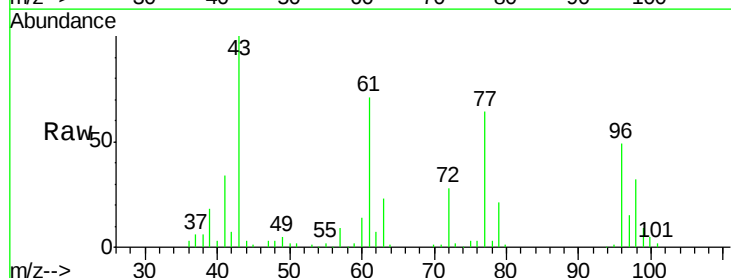
Acq: 3 Dec 2020 10:23

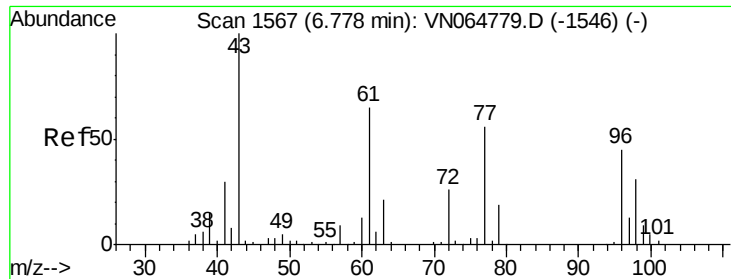
Tgt Ion: 77 Resp: 163992

Ion Ratio Lower Upper

77 100

97 23.8 11.7 35.0





#27

cis-1,2-Dichloroethene

Concen: 46.814 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN064889.D

Acq: 3 Dec 2020 10:23

Instrument :

MSVOA_N

ClientSampleId :

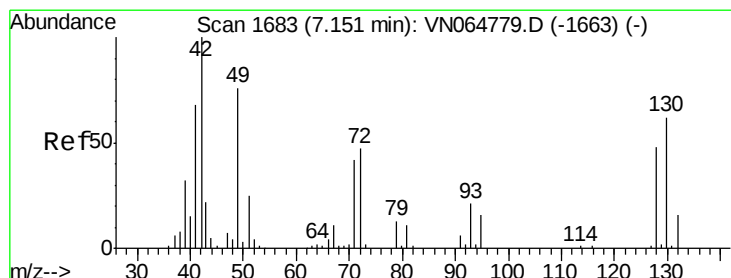
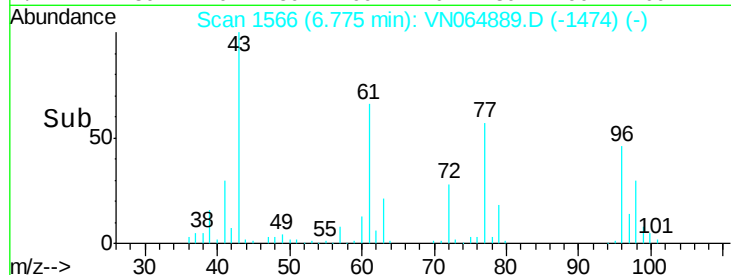
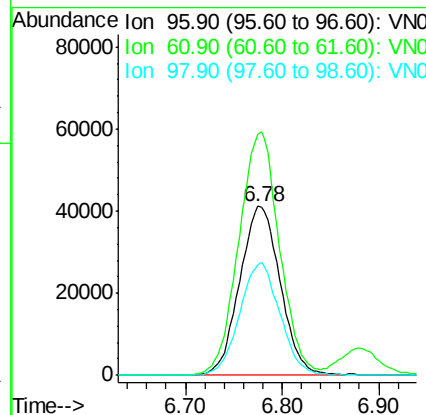
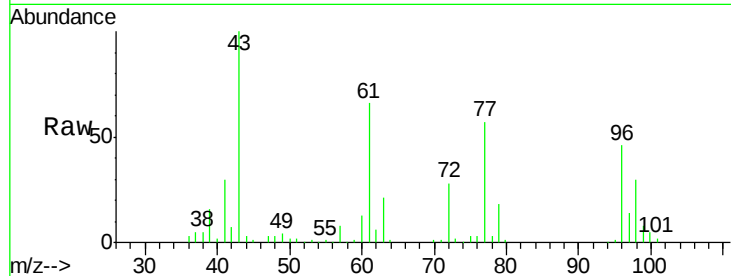
VSTDCCC050

Tot Ion:	96	Resp:	120160
Ion	Ratio	Lower	Upper
96	100		
61	143.9	0.0	285.8
98	65.9	0.0	130.6

Manual Integrations
APPROVED

SAM

12/4/2020 5:41:50 PM



#28

Bromochloromethane

Concen: 46.366 ug/l

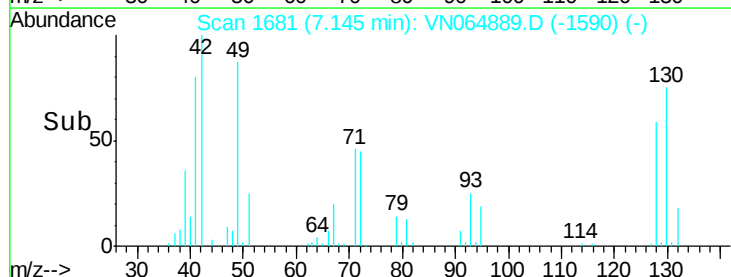
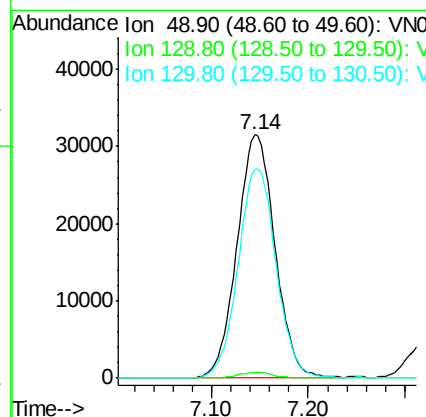
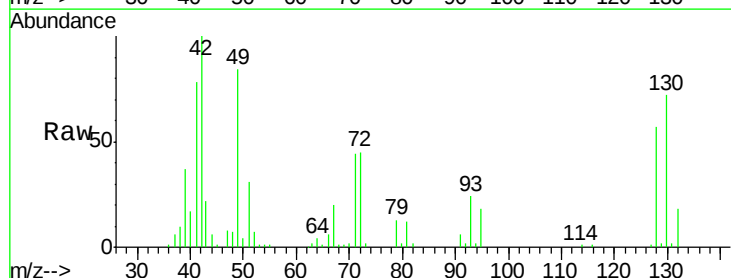
RT: 7.14 min Scan# 1681

Delta R.T. -0.01 min

Lab File: VN064889.D

Acq: 3 Dec 2020 10:23

Tgt Ion:	49	Resp:	85960
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.8
130	86.3	66.2	99.2





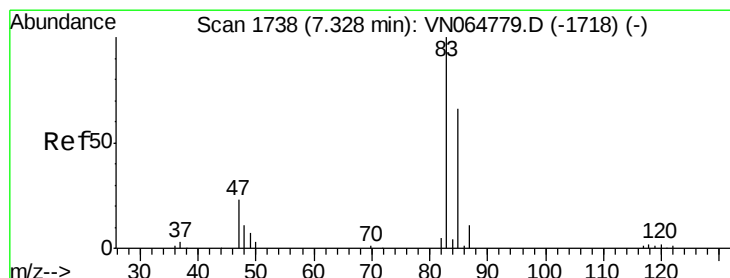
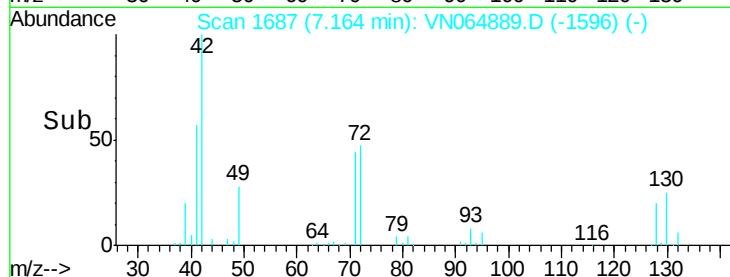
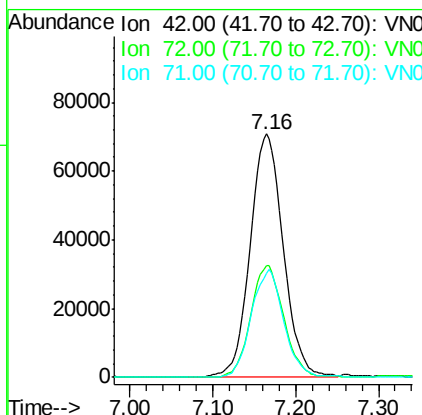
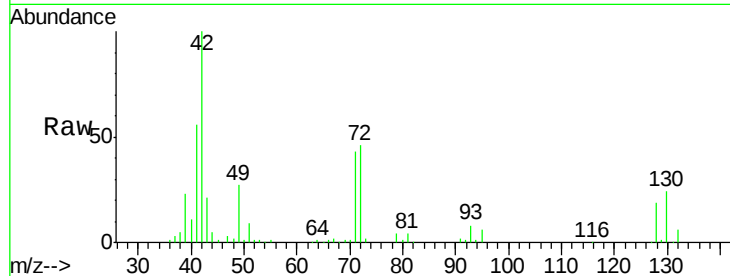
#29
Tetrahydrofuran
Concen: 217.419 ug/l
RT: 7.16 min Scan# 1687
Delta R.T. -0.01 min
Lab File: VN064889.D
Acq: 3 Dec 2020 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.5	36.6	54.8
71	43.7	33.6	50.4

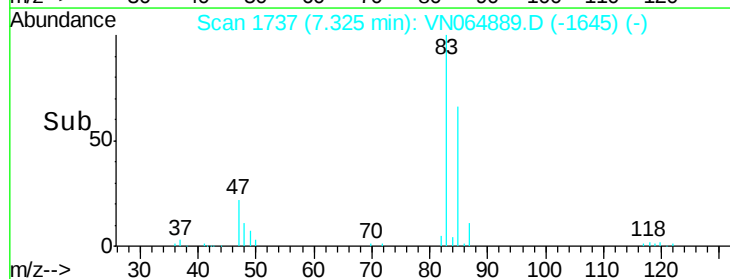
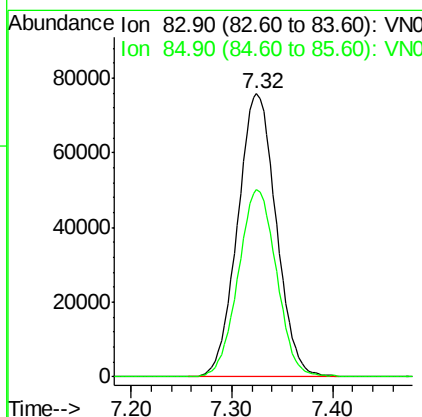
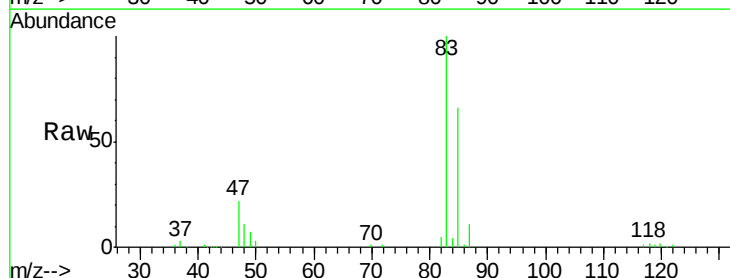
Manual Integrations
APPROVED

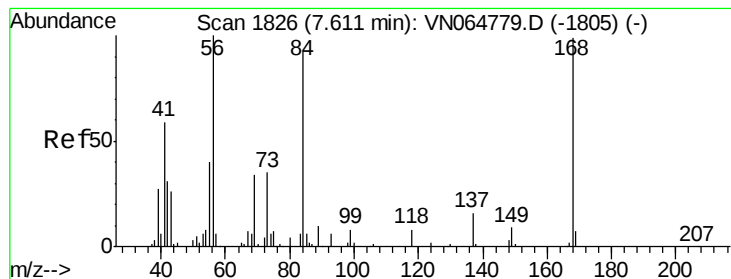
SAM
12/4/2020 5:41:50 PM



#30
Chloroform
Concen: 48.088 ug/l
RT: 7.32 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN064889.D
Acq: 3 Dec 2020 10:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	52.6	78.8





#31

Cyclohexane

Concen: 44.675 ug/l

RT: 7.61 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN064889.D

Acq: 3 Dec 2020 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 153335

Ion Ratio Lower Upper

56 100

69 33.5 27.5 41.3

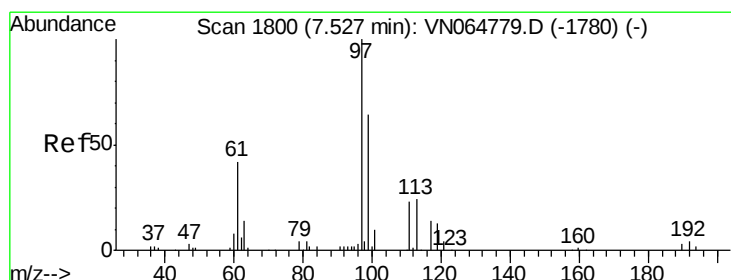
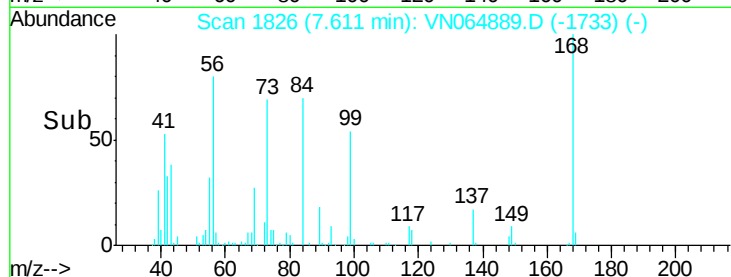
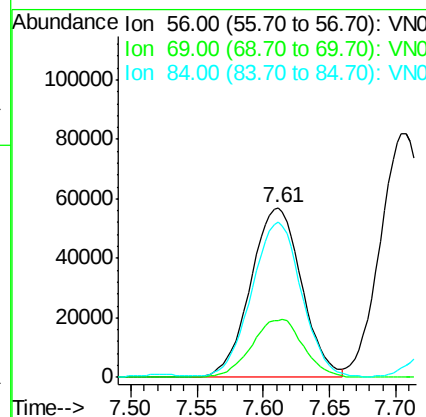
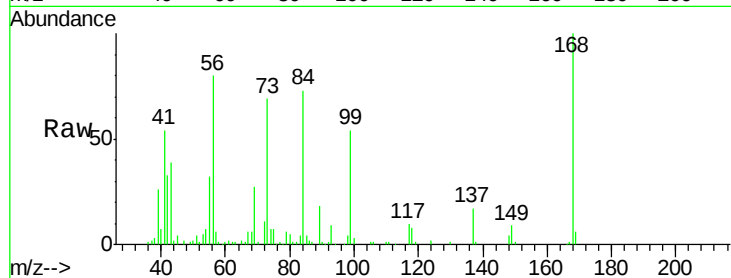
84 90.5 73.9 110.9

Manual Integrations

APPROVED

SAM

12/4/2020 5:41:50 PM



#32

1,1,1-Trichloroethane

Concen: 47.780 ug/l

RT: 7.52 min Scan# 1799

Delta R.T. -0.00 min

Lab File: VN064889.D

Acq: 3 Dec 2020 10:23

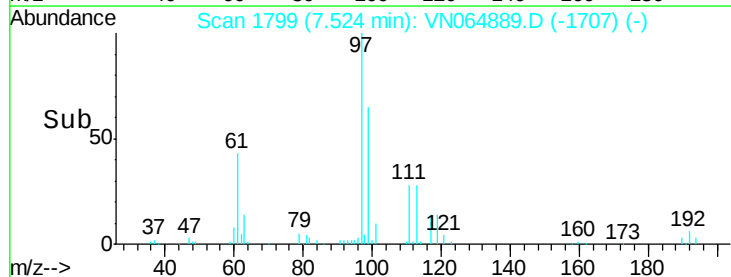
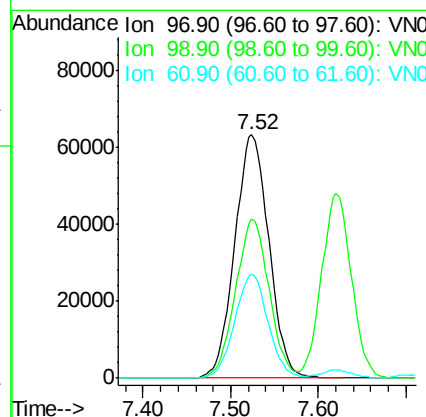
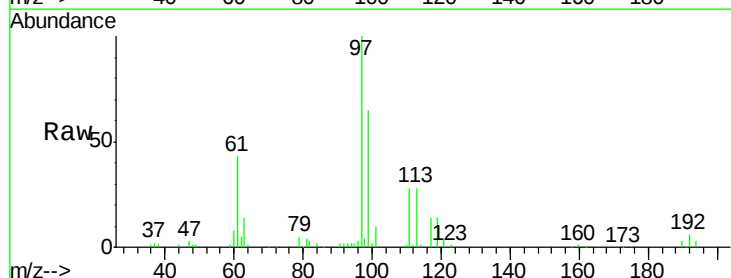
Tgt Ion: 97 Resp: 171500

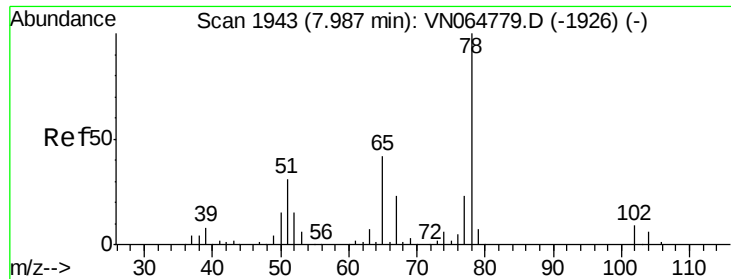
Ion Ratio Lower Upper

97 100

99 64.0 51.7 77.5

61 41.6 33.9 50.9





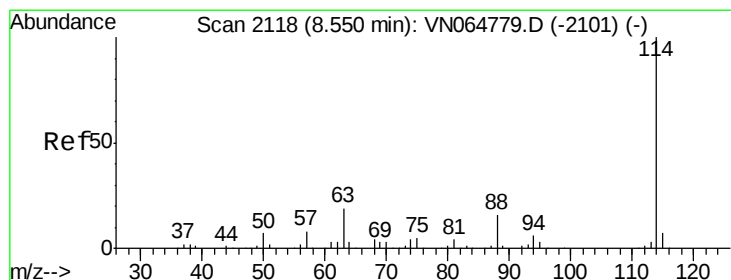
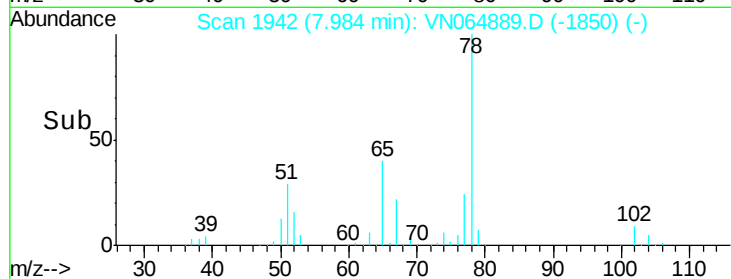
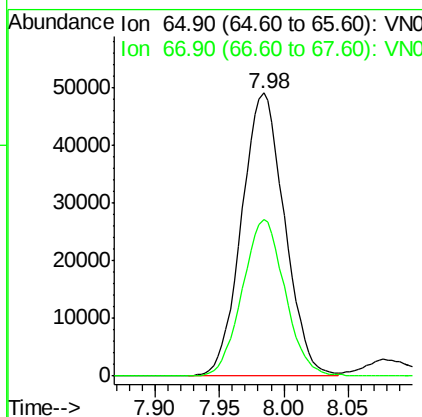
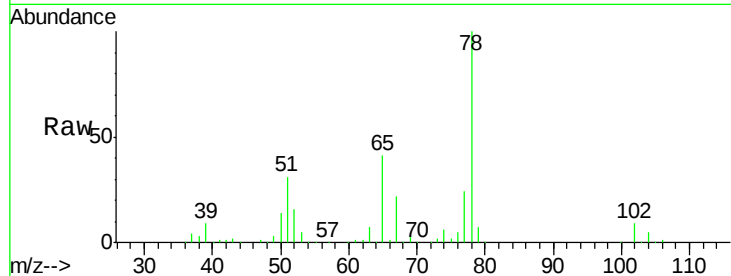
#33
 1,2-Dichloroethane-d4
 Concen: 46.237 ug/l
 RT: 7.98 min Scan# 1942
 Delta R.T. -0.00 min
 Lab File: VN064889.D
 Acq: 3 Dec 2020 10:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 65 Resp: 113863
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 108.2

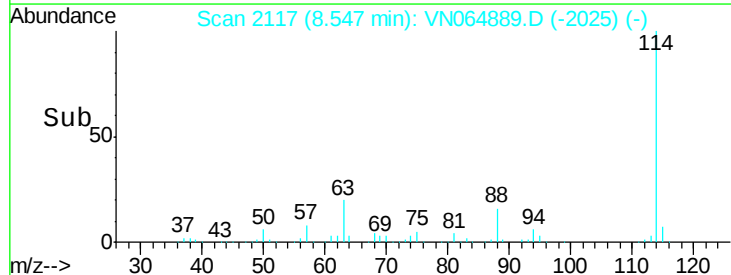
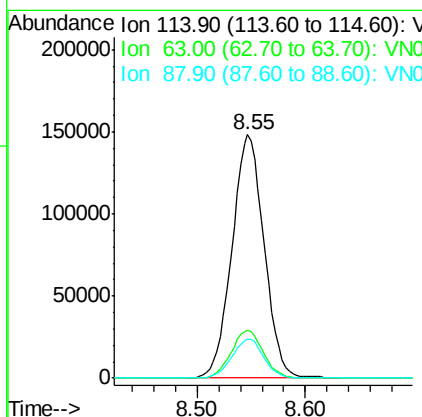
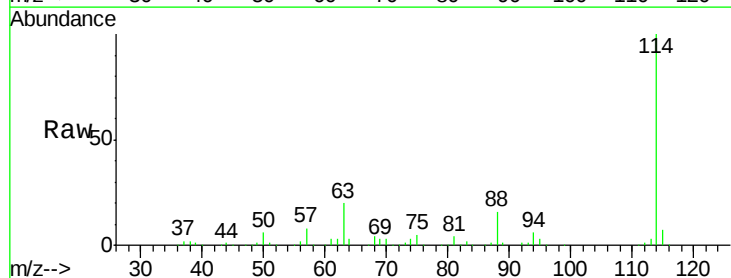
Manual Integrations
 APPROVED

SAM
 12/4/2020 5:41:50 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VN064889.D
 Acq: 3 Dec 2020 10:23

Tgt Ion: 114 Resp: 307225
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 38.6
 88 15.9 0.0 32.6





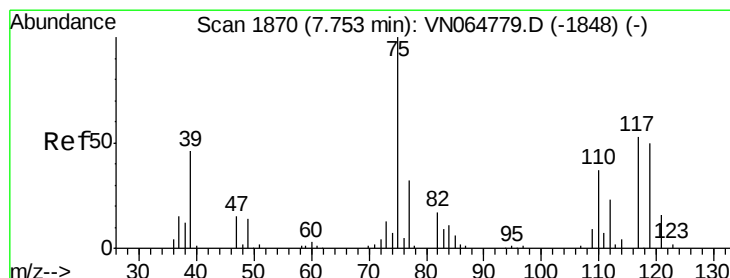
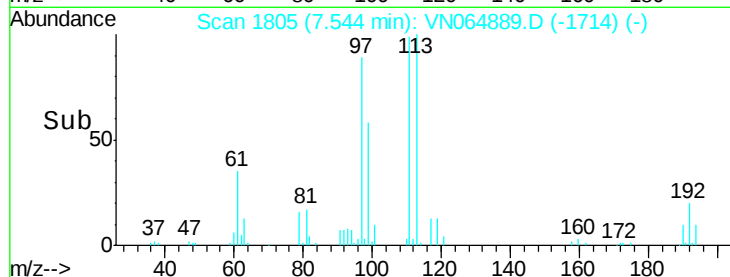
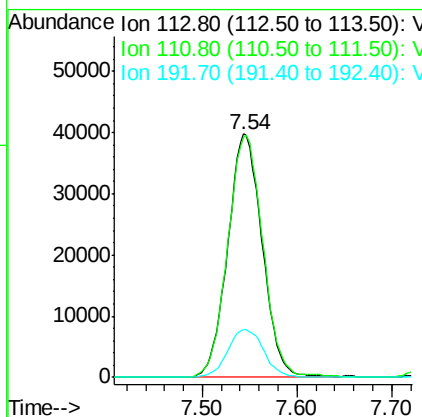
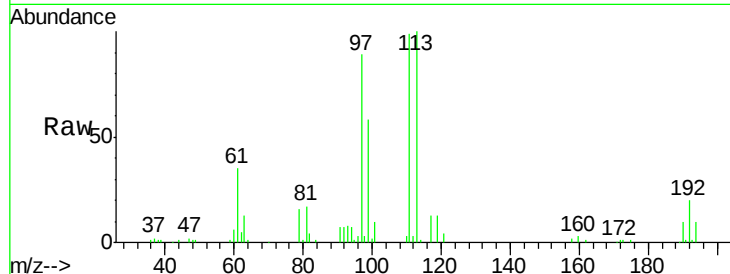
#35
Dibromofluoromethane
Concen: 54.707 ug/l
RT: 7.54 min Scan# 1805
Delta R.T. -0.01 min
Lab File: VN064889.D
Acq: 3 Dec 2020 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	100570		
111	100.9	81.6	122.4	
192	20.5	16.2	24.2	

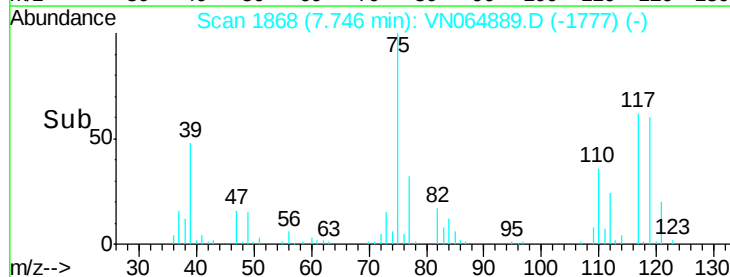
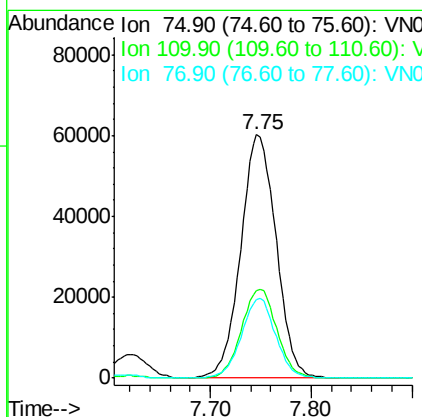
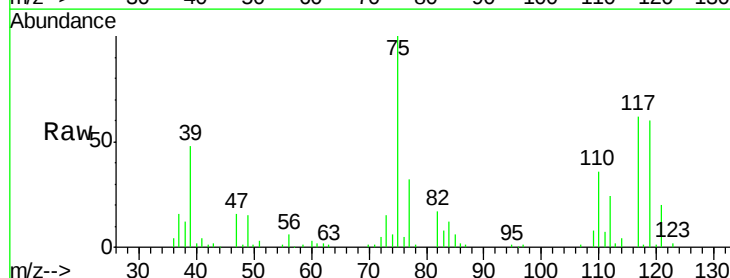
Manual Integrations
APPROVED

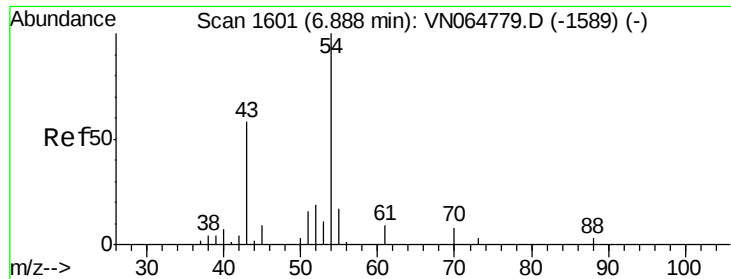
SAM
12/4/2020 5:41:50 PM



#36
1,1-Dichloropropene
Concen: 51.414 ug/l
RT: 7.75 min Scan# 1868
Delta R.T. -0.01 min
Lab File: VN064889.D
Acq: 3 Dec 2020 10:23

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	146410		
110	36.3	17.8	53.3	
77	31.8	25.0	37.4	





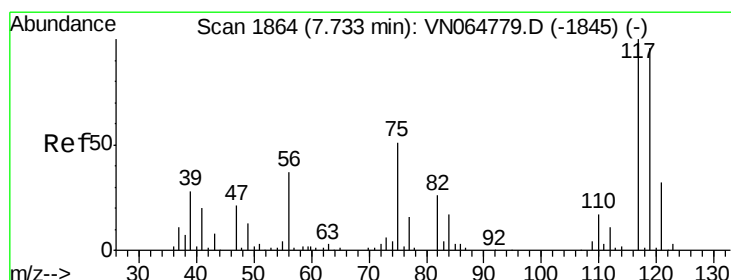
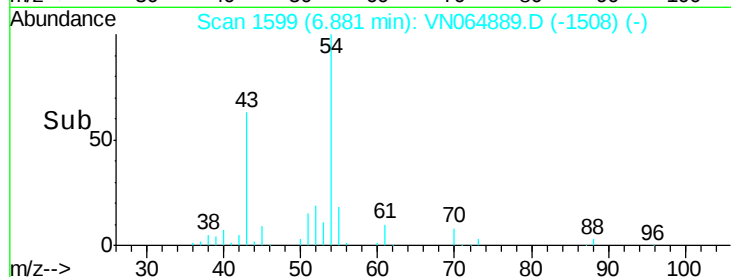
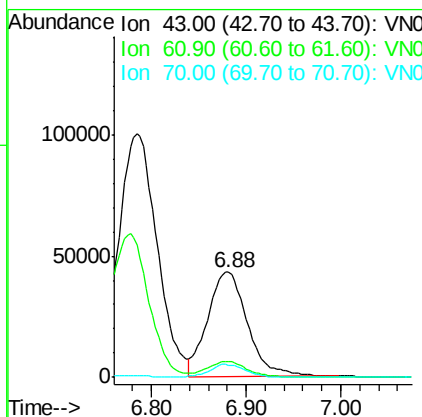
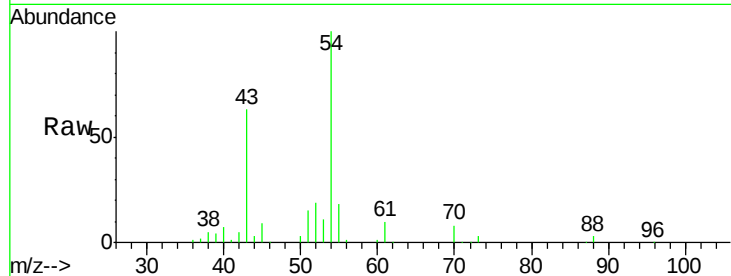
#37
Ethyl Acetate
Concen: 45.916 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VN064889.D
Acq: 3 Dec 2020 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	12.8	19.2
70	11.5	8.8	13.2

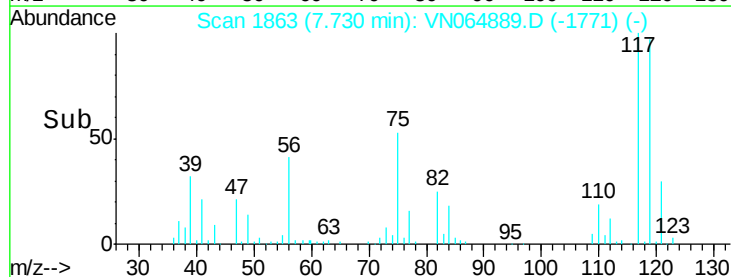
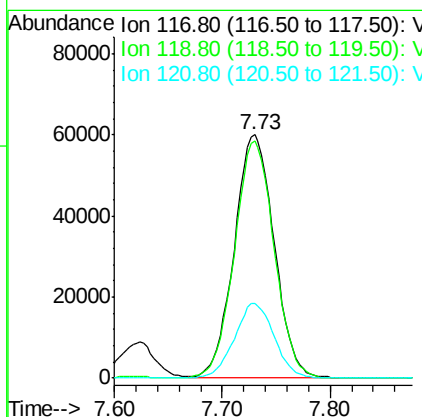
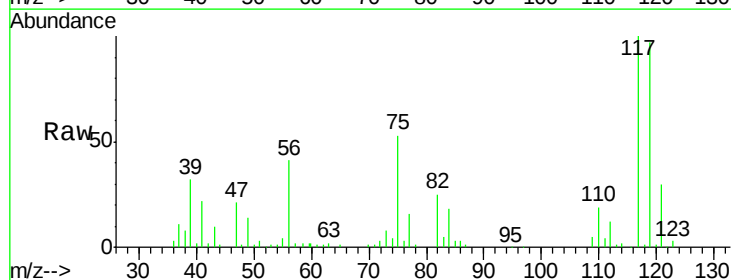
Manual Integrations
APPROVED

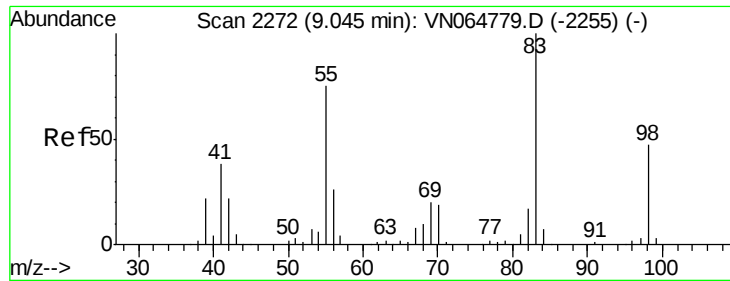
SAM
12/4/2020 5:41:50 PM



#38
Carbon Tetrachloride
Concen: 52.291 ug/l
RT: 7.73 min Scan# 1863
Delta R.T. -0.00 min
Lab File: VN064889.D
Acq: 3 Dec 2020 10:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.1	76.7	115.1
121	30.4	25.4	38.2





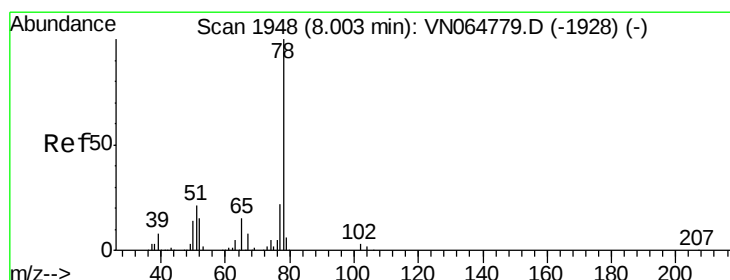
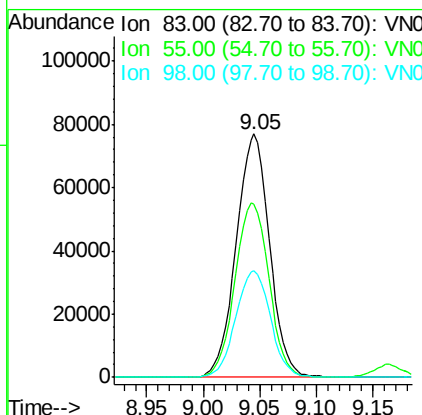
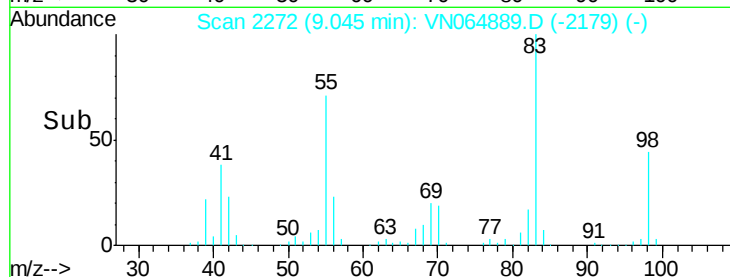
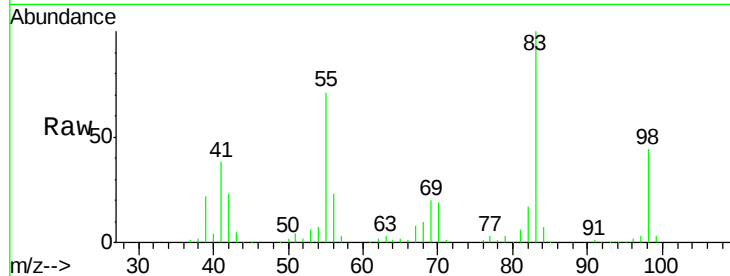
#39
Methvlcvclohexane
Concen: 51.666 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN064889.D
Acq: 3 Dec 2020 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	71.3	60.2	90.2	
98	43.8	37.4	56.2	

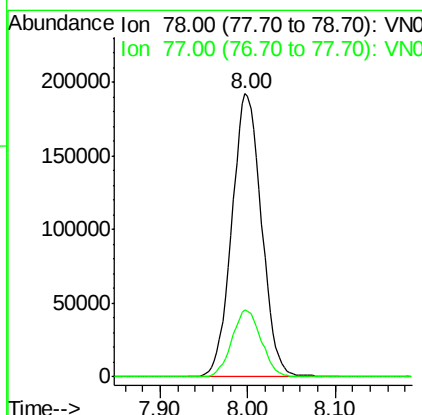
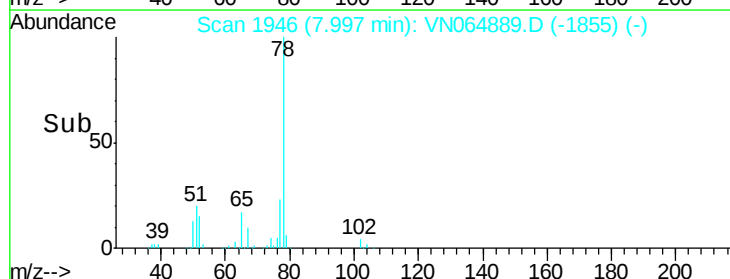
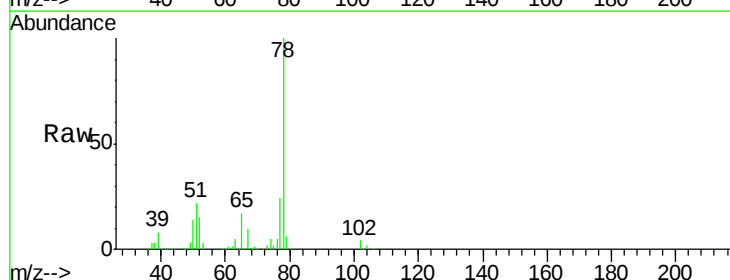
Manual Integrations
APPROVED

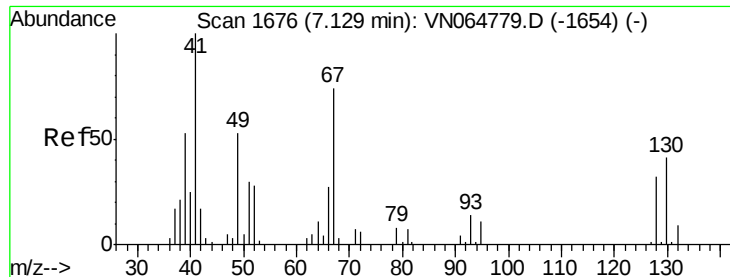
SAM
12/4/2020 5:41:50 PM



#40
Benzene
Concen: 51.919 ug/l
RT: 8.00 min Scan# 1946
Delta R.T. -0.01 min
Lab File: VN064889.D
Acq: 3 Dec 2020 10:23

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.6	17.9	26.9	





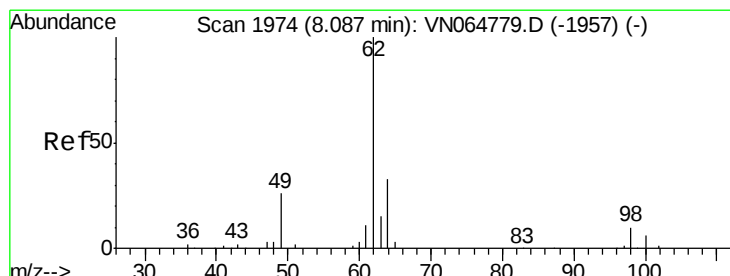
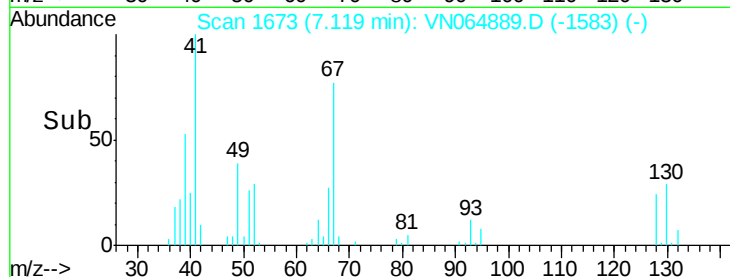
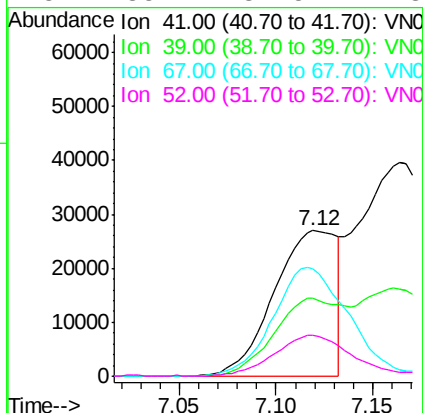
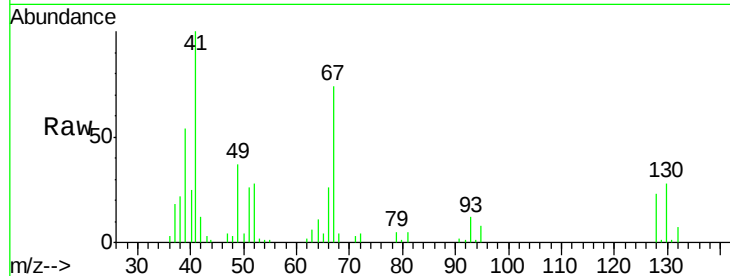
#41
Methacrylonitrile
Concen: 48.065 ug/l
RT: 7.12 min Scan# 1673
Delta R.T. -0.01 min
Lab File: VN064889.D
Acq: 3 Dec 2020 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	60.5	51.0	76.6	
67	90.3	79.8	119.8	
52	35.2	31.5	47.3	

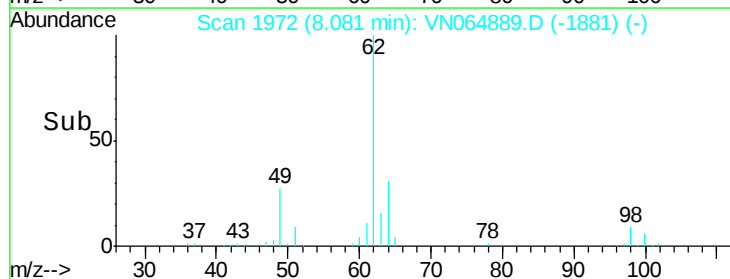
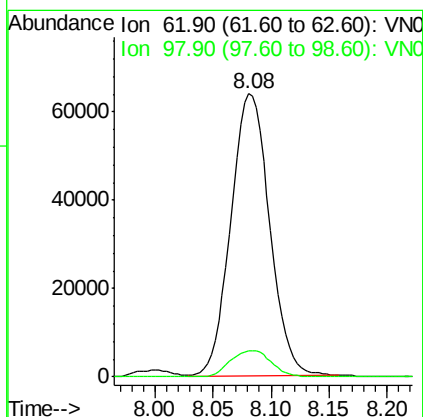
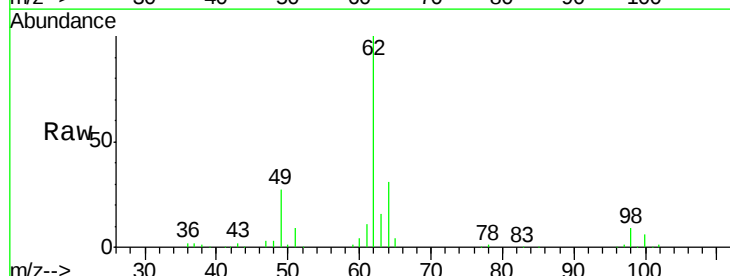
Manual Integrations
APPROVED

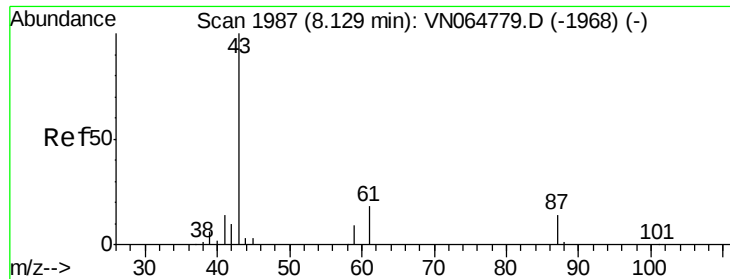
SAM
12/4/2020 5:41:50 PM



#42
1,2-Dichloroethane
Concen: 50.474 ug/l
RT: 8.08 min Scan# 1972
Delta R.T. -0.01 min
Lab File: VN064889.D
Acq: 3 Dec 2020 10:23

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.8	0.0	19.6	





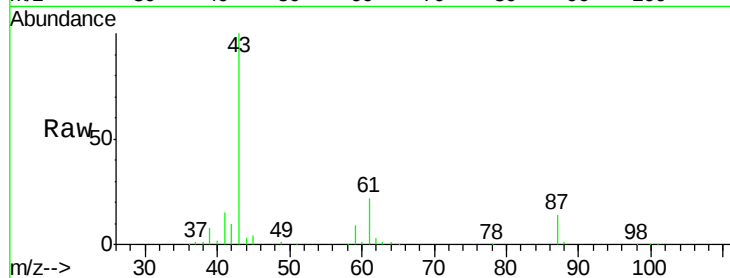
#43
Isopropyl Acetate
Concen: 47.145 ug/l
RT: 8.12 min Scan# 1985
Delta R.T. -0.01 min
Lab File: VN064889.D
Acq: 3 Dec 2020 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

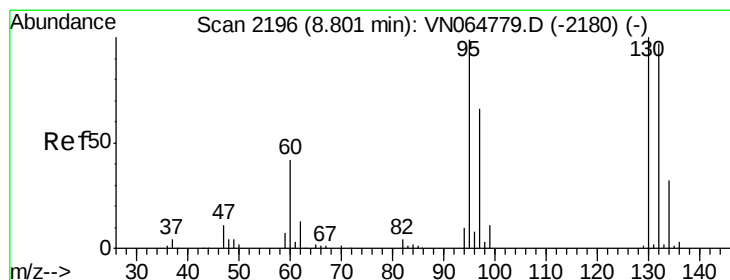
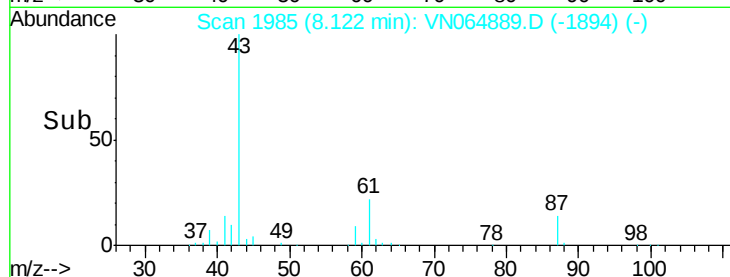
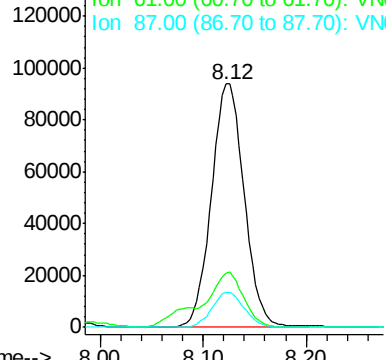
Tot Ion	Ratio	Lower	Upper
43	100		
61	22.0	17.2	25.8
87	14.0	11.4	17.0

Manual Integrations
APPROVED

SAM
12/4/2020 5:41:50 PM

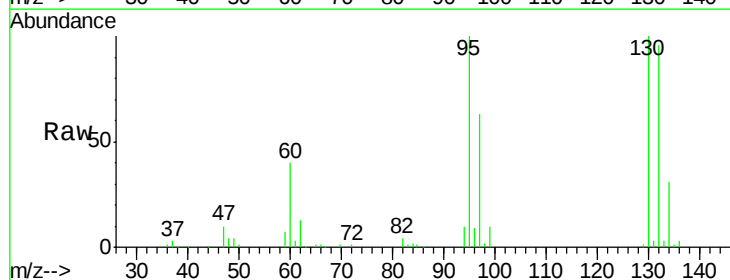


Abundance Ion 43.00 (42.70 to 43.70): VN064779.D (-1968) (-)

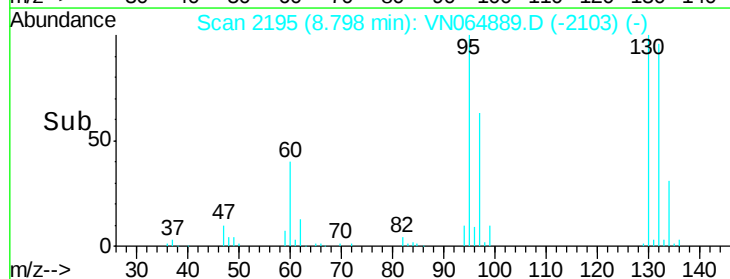
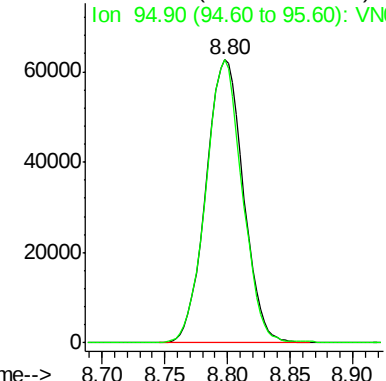


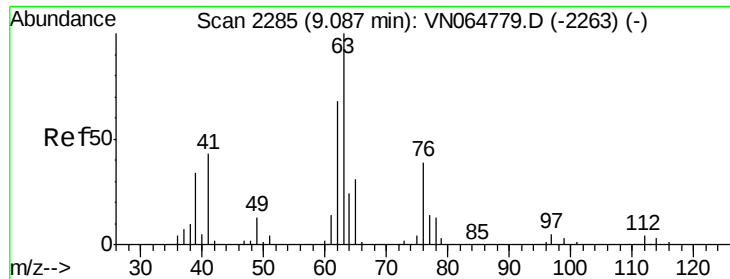
#44
Trichloroethene
Concen: 50.536 ug/l
RT: 8.80 min Scan# 2195
Delta R.T. -0.00 min
Lab File: VN064889.D
Acq: 3 Dec 2020 10:23

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.1	0.0	197.8



Abundance Ion 129.80 (129.50 to 130.50): VN064779.D (-2180) (-)





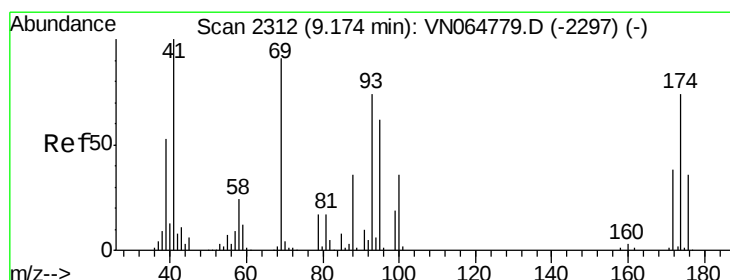
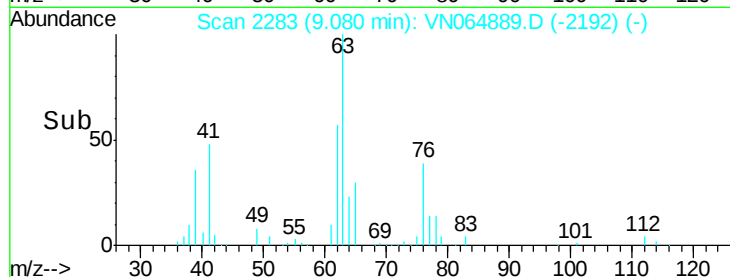
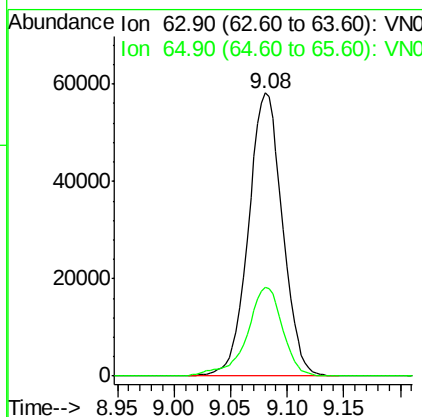
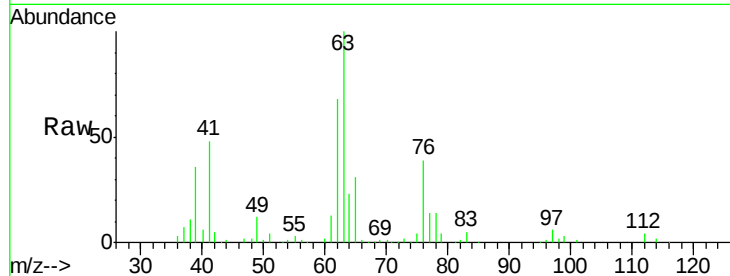
#45
 1,2-Dichloropropane
 Concen: 53.798 ug/l
 RT: 9.08 min Scan# 2283
 Delta R.T. -0.01 min
 Lab File: VN064889.D
 Acq: 3 Dec 2020 10:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 121573
 Ion Ratio Lower Upper
 63 100
 65 31.3 25.0 37.4

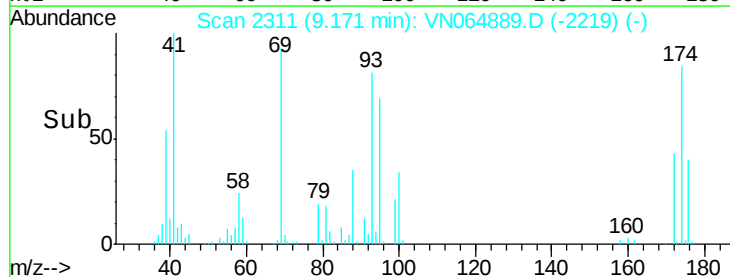
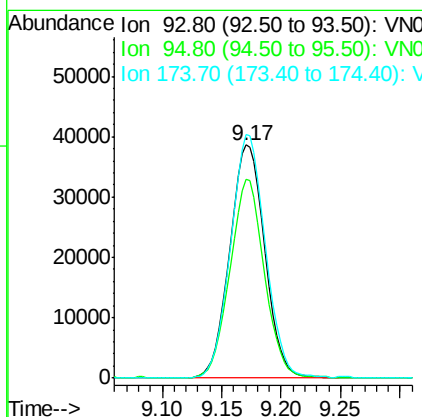
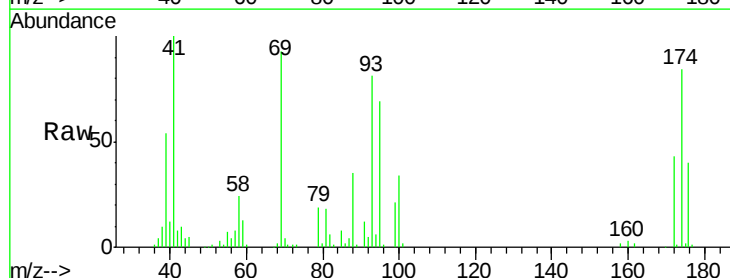
Manual Integrations
 APPROVED

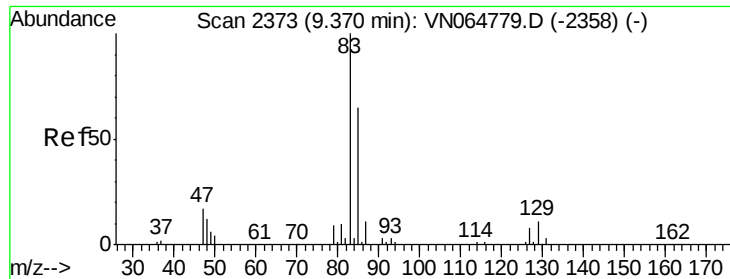
SAM
 12/4/2020 5:41:50 PM



#46
 Dibromomethane
 Concen: 52.341 ug/l
 RT: 9.17 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN064889.D
 Acq: 3 Dec 2020 10:23

Tgt Ion: 93 Resp: 79020
 Ion Ratio Lower Upper
 93 100
 95 83.2 68.8 103.2
 174 103.8 83.1 124.7





#47

Bromodichloromethane

Concen: 53.015 ug/l

RT: 9.37 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN064889.D

Acq: 3 Dec 2020 10:23

Instrument :

MSVOA_N

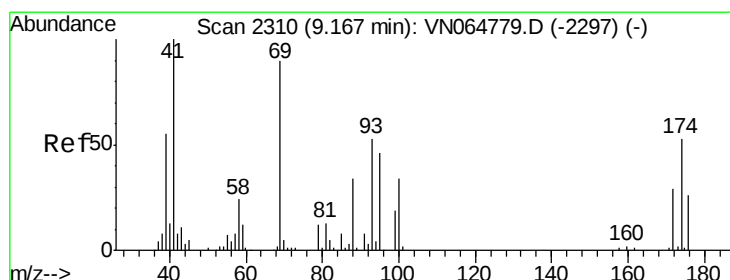
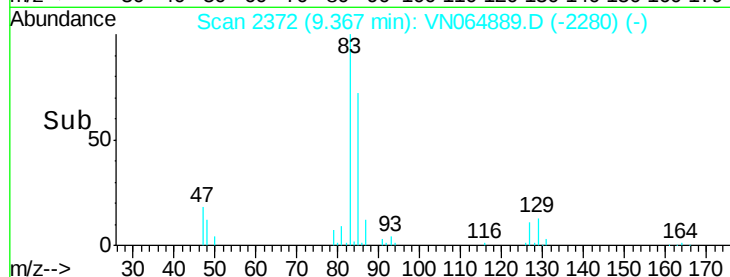
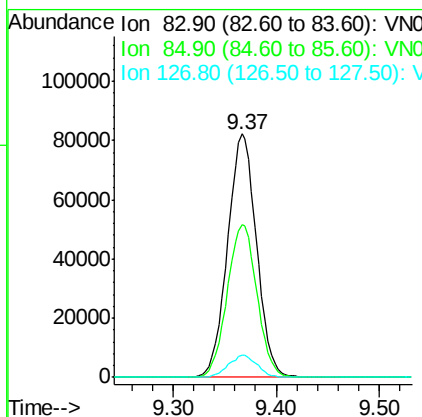
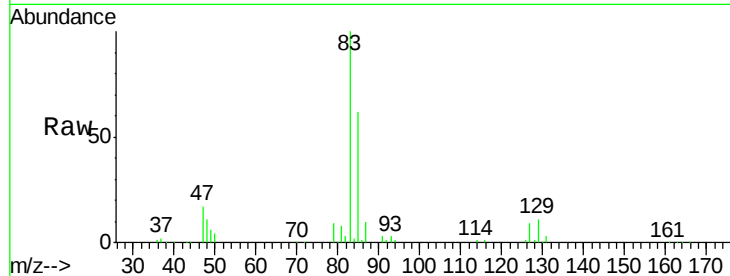
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	161045
Ion Ratio	Lower	Upper	
83	100		
85	62.5	51.8	77.8
127	9.2	6.8	10.2

Manual Integrations
APPROVED

SAM
12/4/2020 5:41:50 PM



#48

Methyl methacrylate

Concen: 48.654 ug/l

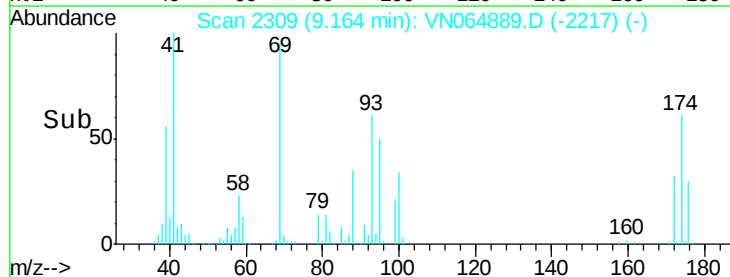
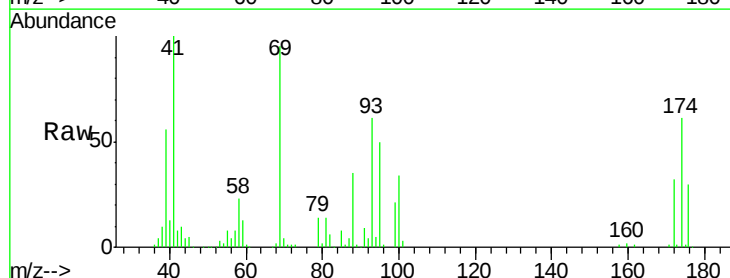
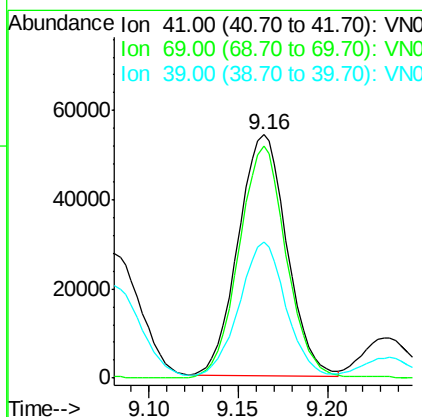
RT: 9.16 min Scan# 2309

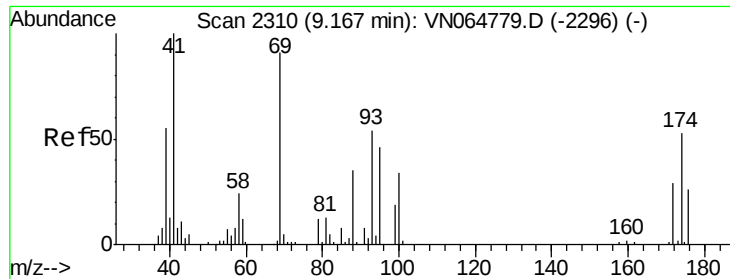
Delta R.T. -0.00 min

Lab File: VN064889.D

Acq: 3 Dec 2020 10:23

Tgt Ion:	41	Resp:	102618
Ion Ratio	Lower	Upper	
41	100		
69	94.0	71.8	107.8
39	55.1	44.1	66.1





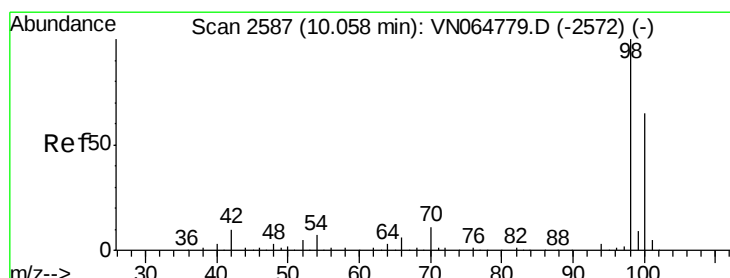
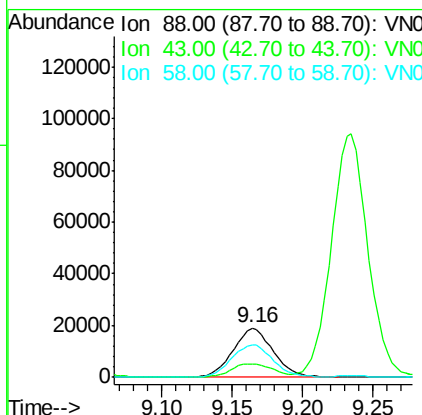
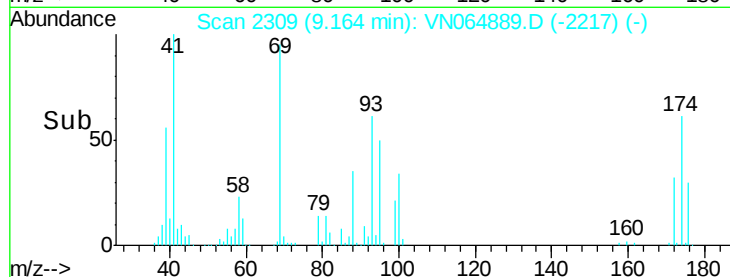
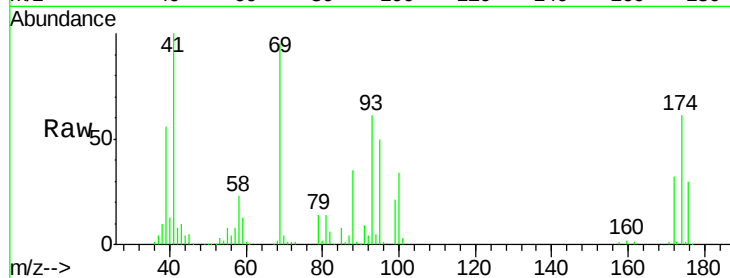
#49
1,4-Dioxane
Concen: 948.822 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN064889.D
Acq: 3 Dec 2020 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.3	24.2	36.4
58	69.1	52.5	78.7

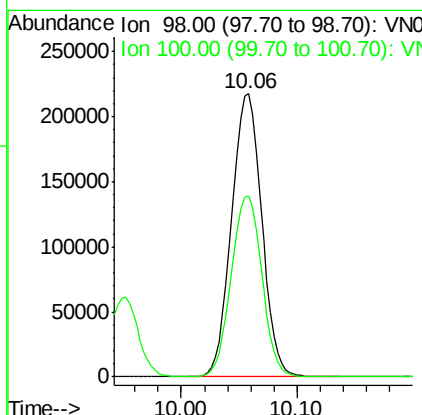
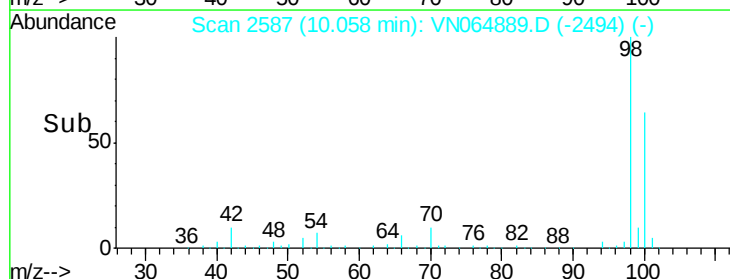
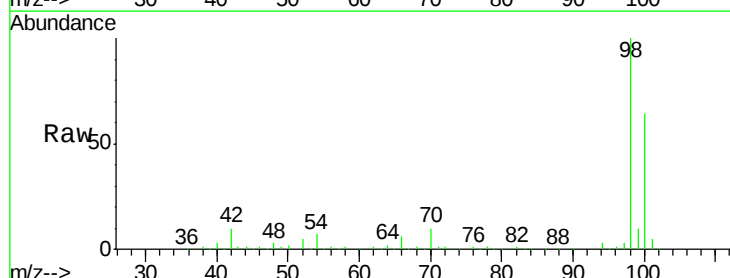
Manual Integrations
APPROVED

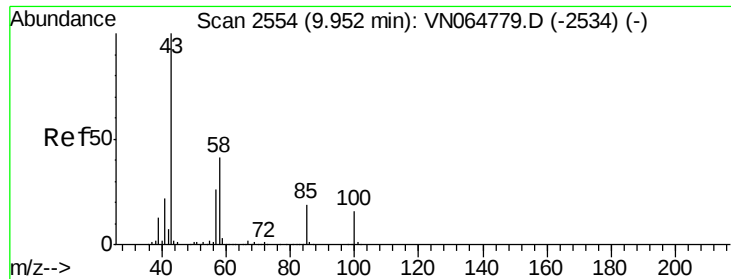
SAM
12/4/2020 5:41:50 PM



#50
Toluene-d8
Concen: 52.286 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN064889.D
Acq: 3 Dec 2020 10:23

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.7	77.5





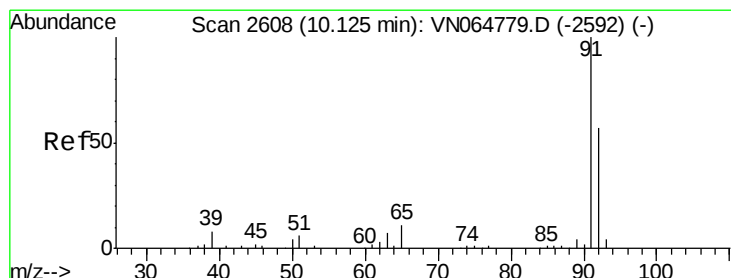
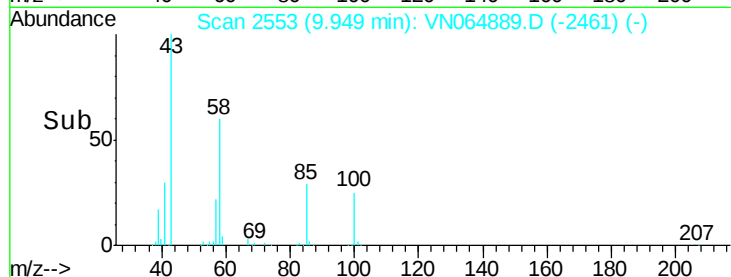
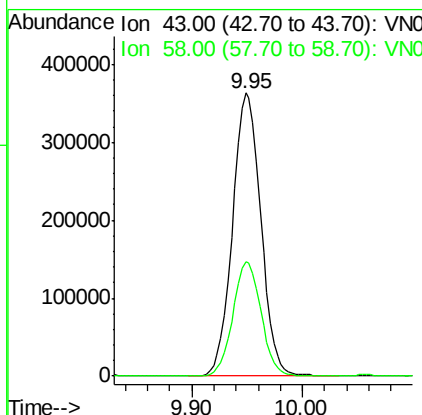
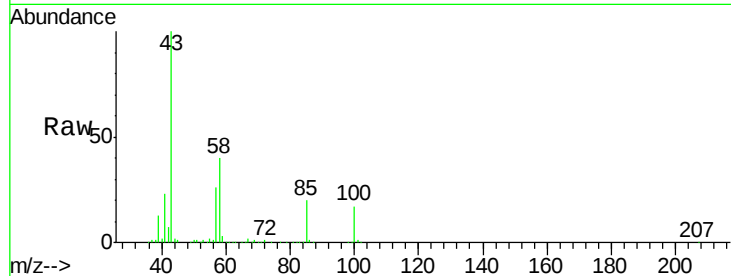
#51
4-Methyl-2-Pentanone
Concen: 243.445 ug/l
RT: 9.95 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN064889.D
Acq: 3 Dec 2020 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.3	32.4	48.6

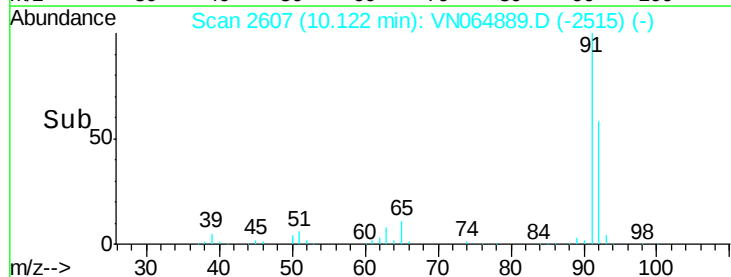
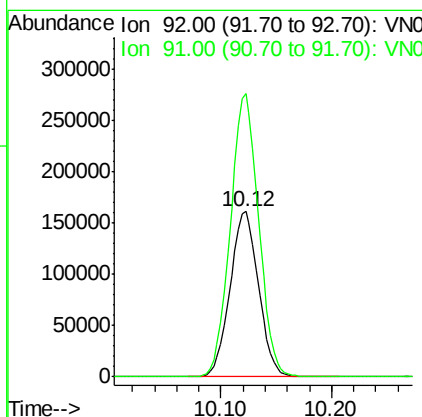
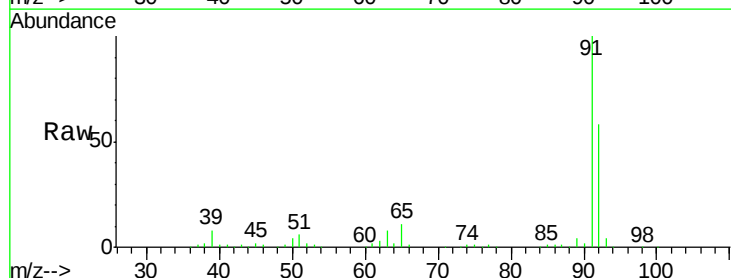
Manual Integrations
APPROVED

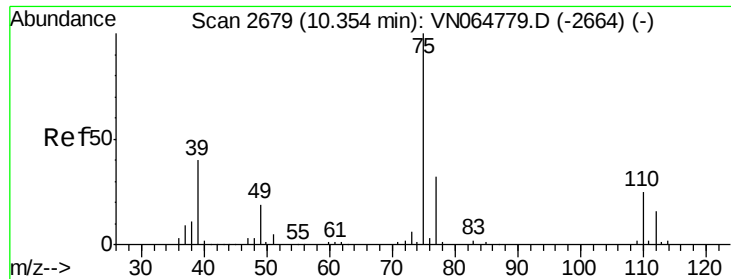
SAM
12/4/2020 5:41:50 PM



#52
Toluene
Concen: 53.798 ug/l
RT: 10.12 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN064889.D
Acq: 3 Dec 2020 10:23

Tgt Ion	Ratio	Lower	Upper
92	100		
91	170.3	139.1	208.7





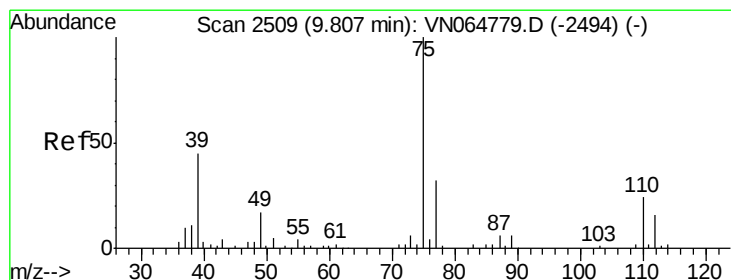
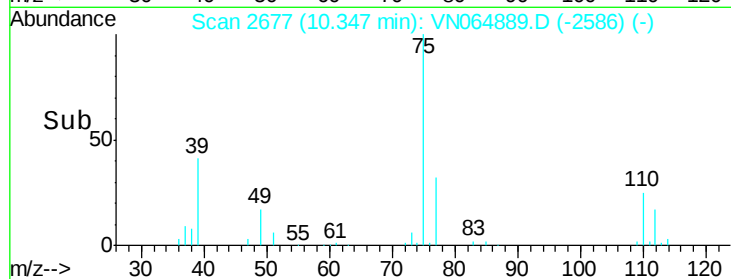
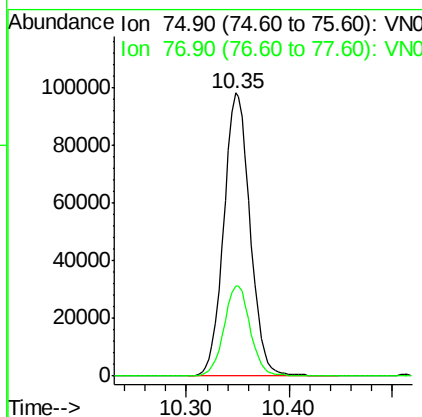
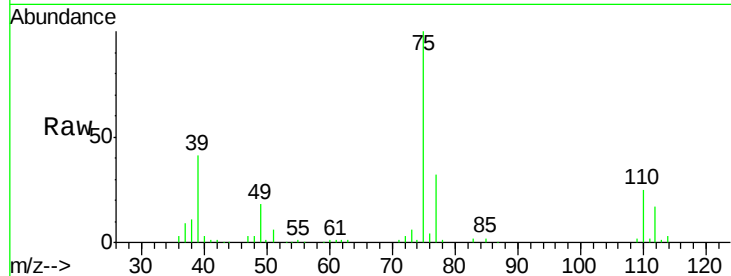
#53
t-1,3-Dichloropropene
Concen: 51.593 ug/l
RT: 10.35 min Scan# 2677
Delta R.T. -0.01 min
Lab File: VN064889.D
Acq: 3 Dec 2020 10:23

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 75 Resp: 174560
Ion Ratio Lower Upper
75 100
77 31.8 25.8 38.6

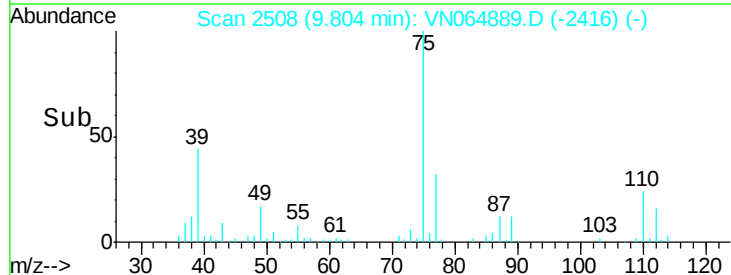
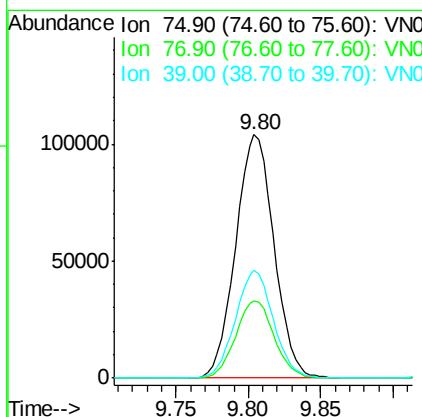
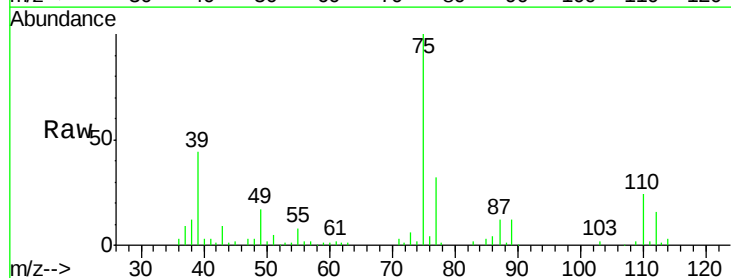
Manual Integrations
APPROVED

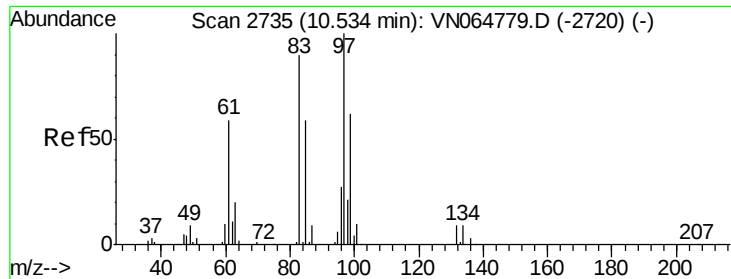
SAM
12/4/2020 5:41:50 PM



#54
cis-1,3-Dichloropropene
Concen: 52.794 ug/l
RT: 9.80 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN064889.D
Acq: 3 Dec 2020 10:23

Tgt Ion: 75 Resp: 191462
Ion Ratio Lower Upper
75 100
77 31.9 25.5 38.3
39 44.2 35.6 53.4





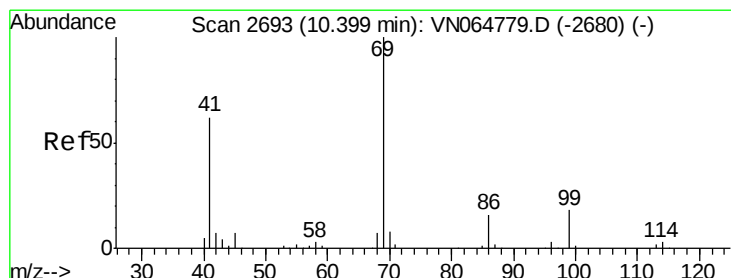
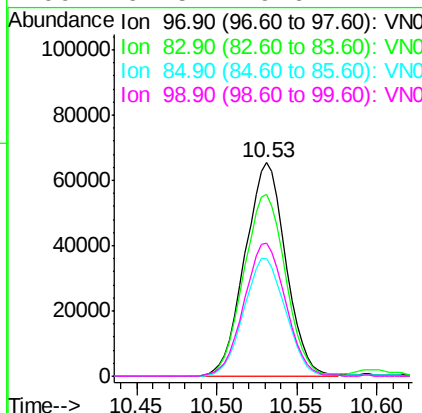
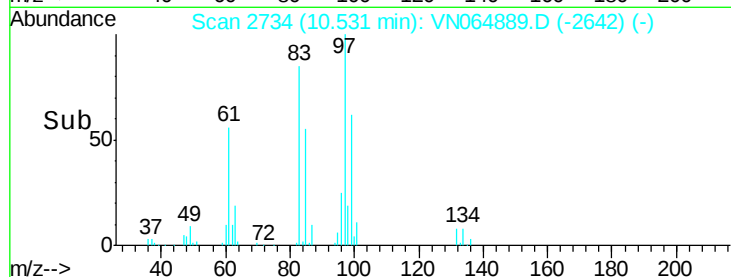
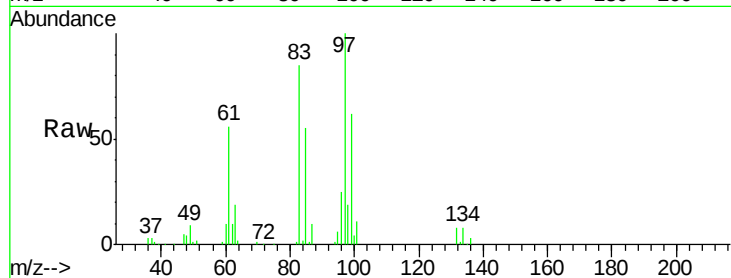
#55
 1,1,2-Trichloroethane
 Concen: 51.951 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN064889.D
 Acq: 3 Dec 2020 10:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	114804
Ion	Ratio	Lower	Upper
97	100		
83	85.0	72.1	108.1
85	55.3	46.8	70.2
99	62.5	49.6	74.4

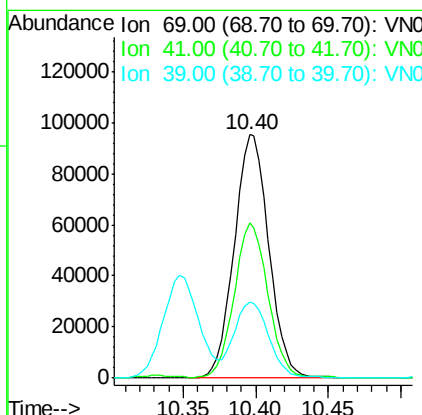
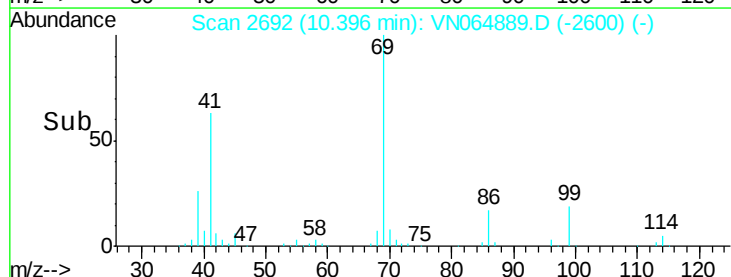
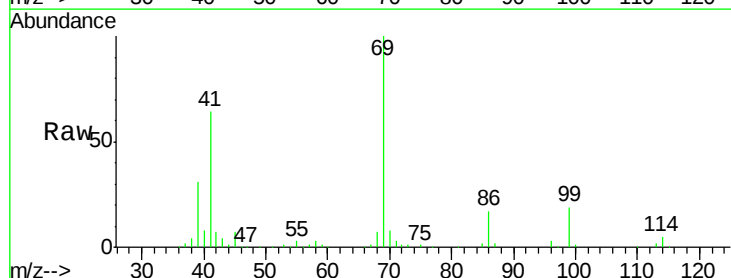
Manual Integrations
 APPROVED

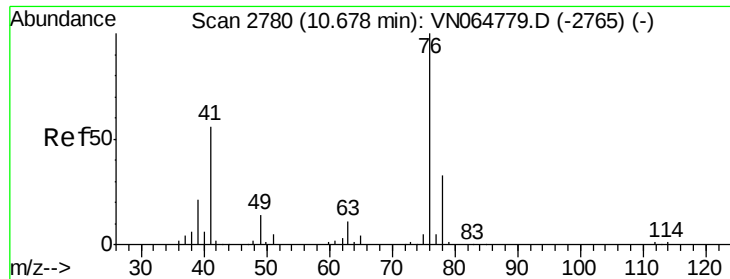
SAM
 12/4/2020 5:41:50 PM



#56
 Ethyl methacrylate
 Concen: 51.732 ug/l
 RT: 10.40 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN064889.D
 Acq: 3 Dec 2020 10:23

Tgt Ion:	69	Resp:	157757
Ion	Ratio	Lower	Upper
69	100		
41	61.8	49.4	74.0
39	31.0	25.9	38.9





#57

1,3-Dichloropropane

Concen: 52.056 ug/l

RT: 10.68 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN064889.D

Acq: 3 Dec 2020 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 189760

Ion Ratio Lower Upper

76 100

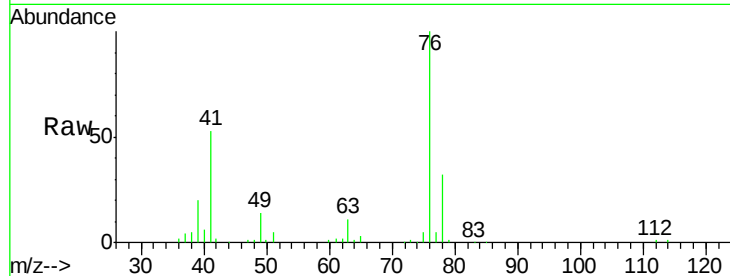
78 32.5 26.1 39.1

Manual Integrations

APPROVED

SAM

12/4/2020 5:41:50 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.68

120000

100000

80000

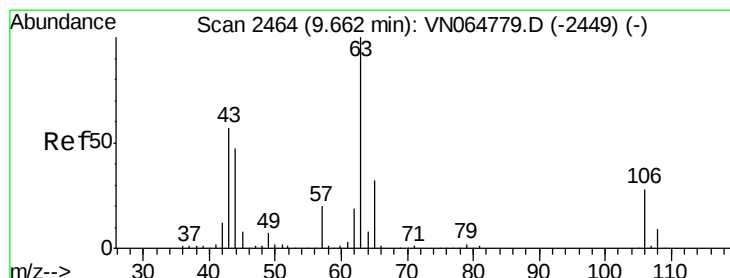
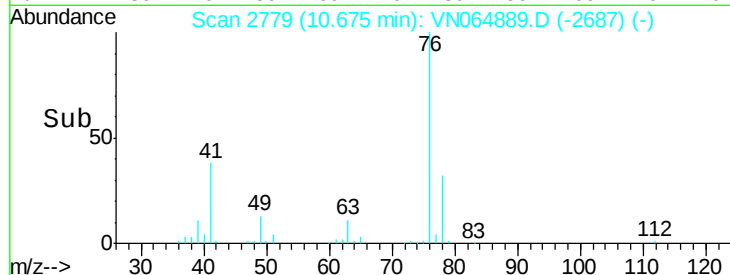
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 264.929 ug/l

RT: 9.66 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN064889.D

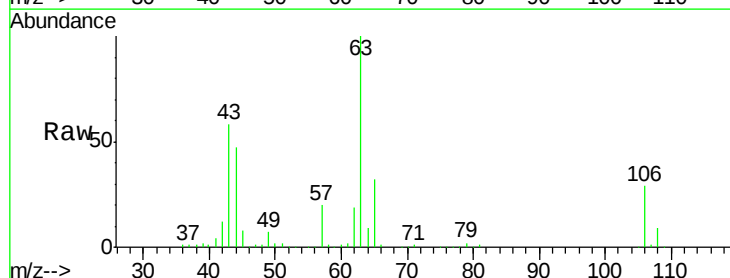
Acq: 3 Dec 2020 10:23

Tgt Ion: 63 Resp: 444400

Ion Ratio Lower Upper

63 100

106 28.6 22.7 34.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.66

300000

250000

200000

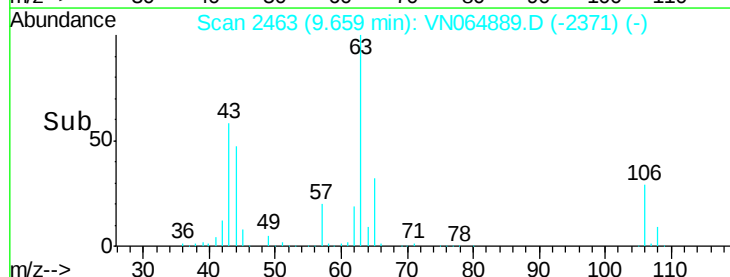
150000

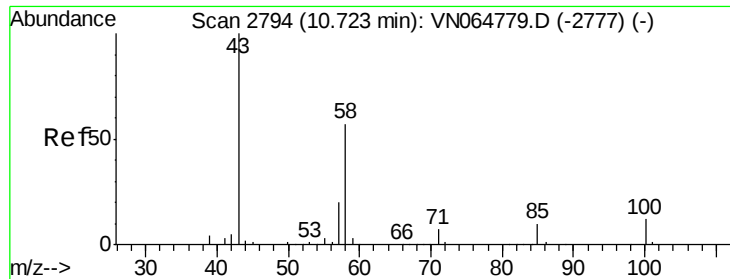
100000

50000

0

Time-->





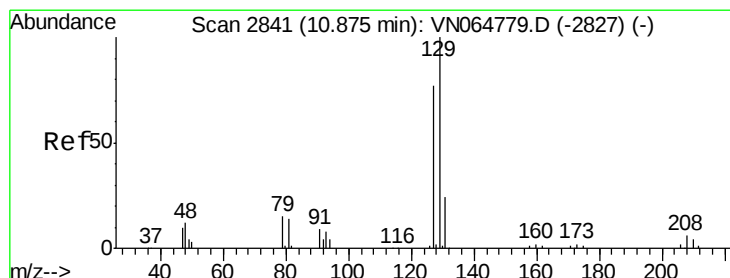
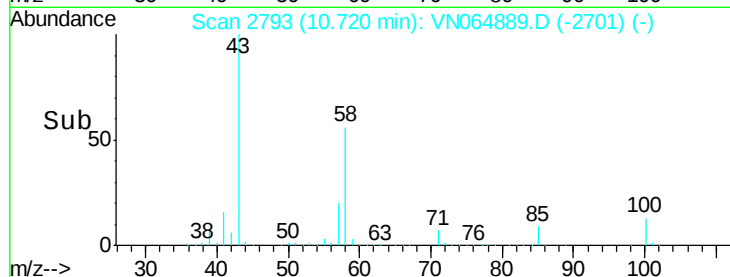
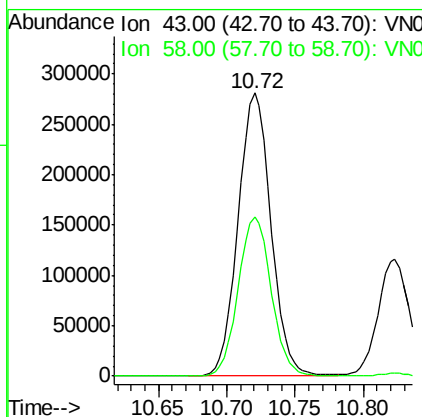
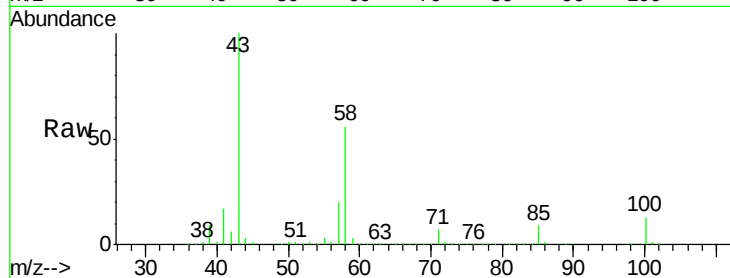
#59
2-Hexanone
Concen: 247.032 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN064889.D
Acq: 3 Dec 2020 10:23

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 43 Resp: 471111
Ion Ratio Lower Upper
43 100
58 56.6 28.3 84.9

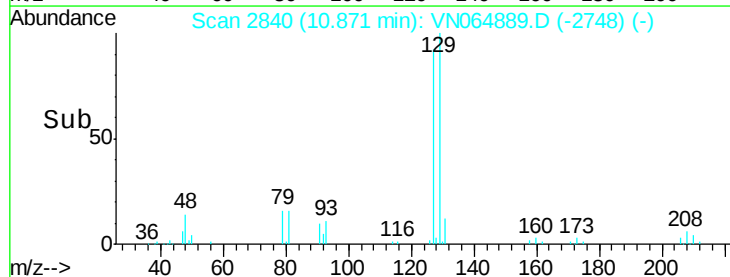
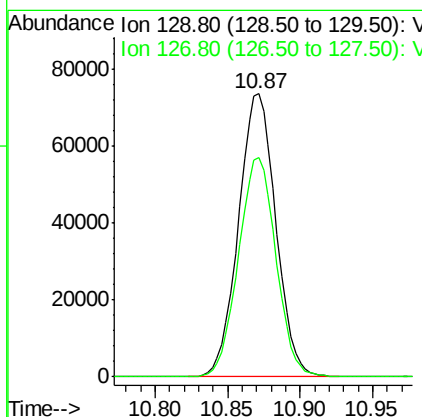
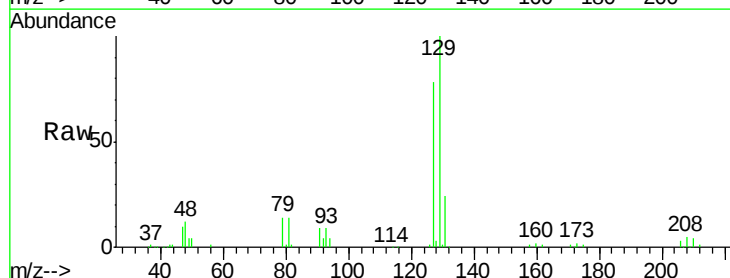
Manual Integrations
APPROVED

SAM
12/4/2020 5:41:50 PM



#60
Dibromochloromethane
Concen: 53.774 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064889.D
Acq: 3 Dec 2020 10:23

Tgt Ion: 129 Resp: 132092
Ion Ratio Lower Upper
129 100
127 77.8 39.1 117.2





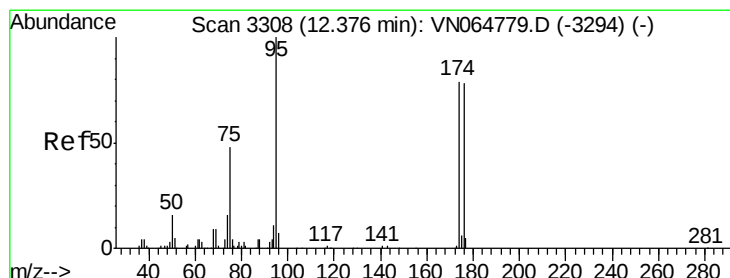
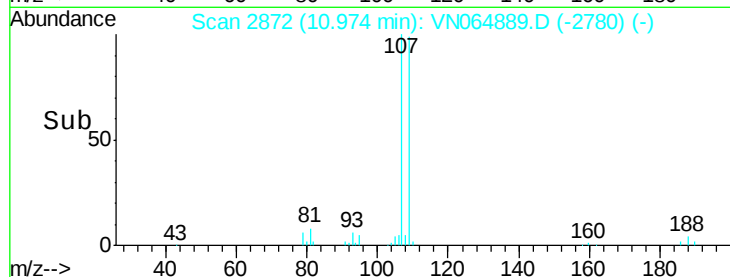
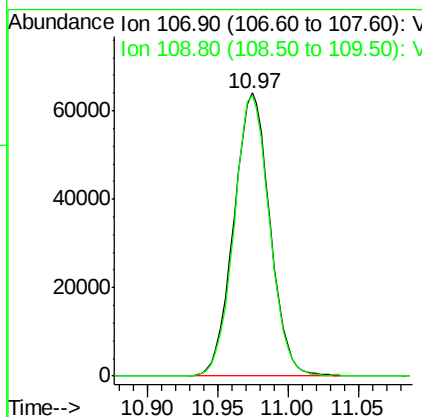
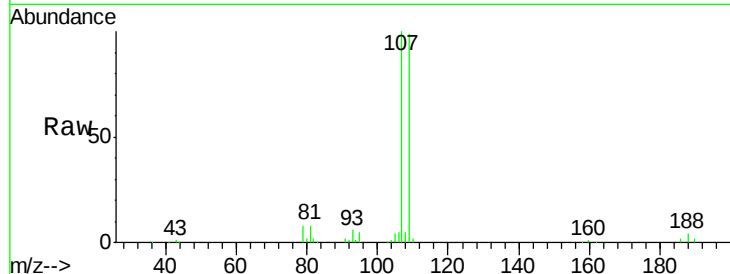
#61
 1,2-Dibromoethane
 Concen: 51.211 ug/l
 RT: 10.97 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN064889.D
 Acq: 3 Dec 2020 10:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	97.2	76.0	114.0

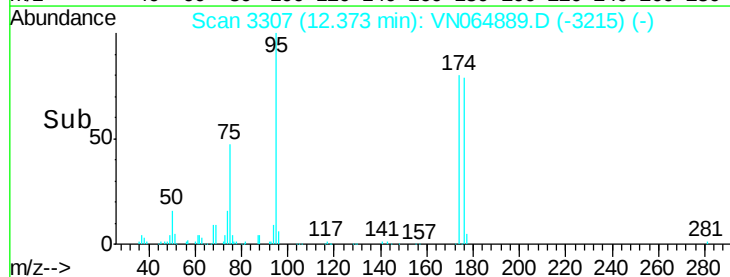
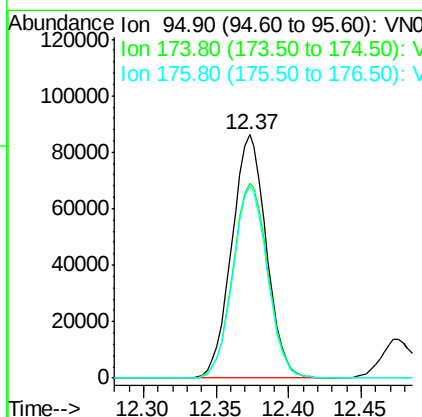
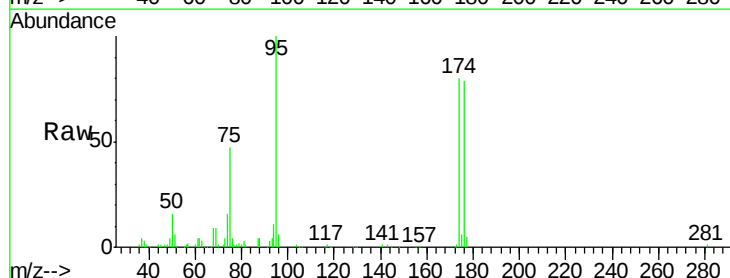
Manual Integrations
 APPROVED

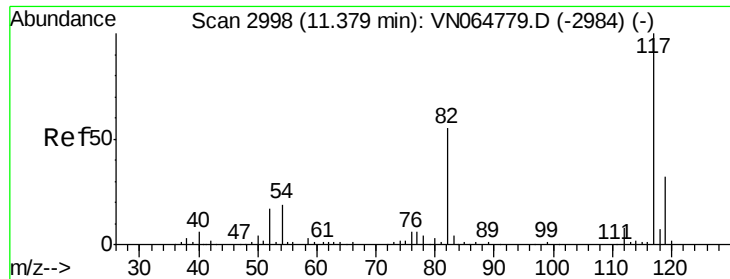
SAM
 12/4/2020 5:41:50 PM



#62
 4-Bromofluorobenzene
 Concen: 52.918 ug/l
 RT: 12.37 min Scan# 3307
 Delta R.T. -0.00 min
 Lab File: VN064889.D
 Acq: 3 Dec 2020 10:23

Tgt Ion	Ratio	Lower	Upper
95	100		
174	81.6	0.0	160.4
176	78.9	0.0	158.4





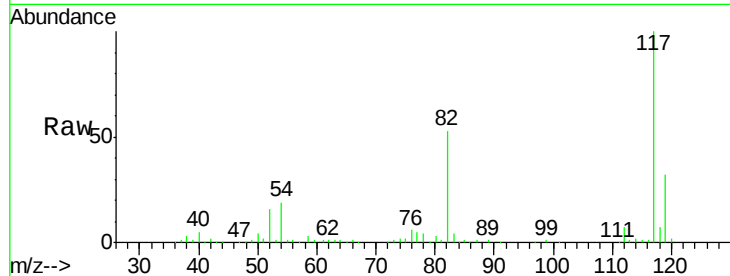
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN064889.D
Acq: 3 Dec 2020 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.1	44.2	66.2
119	31.8	25.8	38.6

Manual Integrations
APPROVED

SAM
12/4/2020 5:41:50 PM

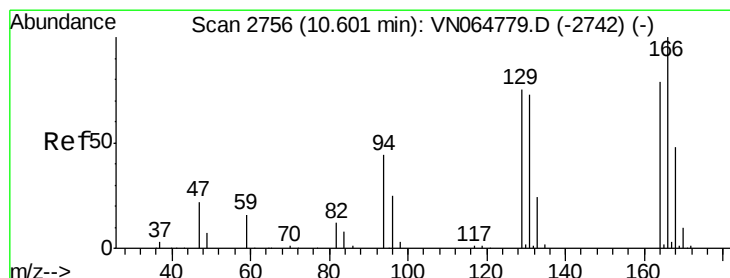
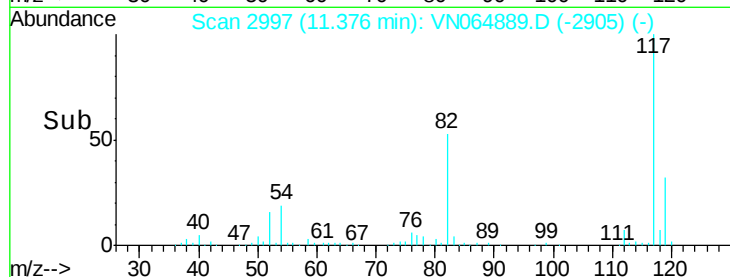
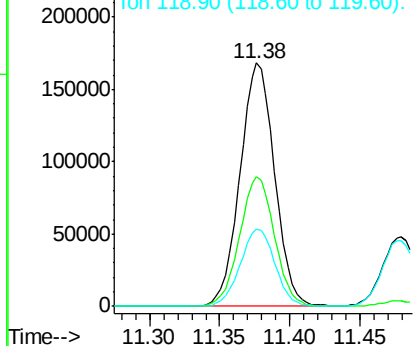


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 52.280 ug/l
RT: 10.60 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN064889.D
Acq: 3 Dec 2020 10:23

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.3	101.4	152.0
129	97.1	76.1	114.1
131	92.5	74.2	111.2

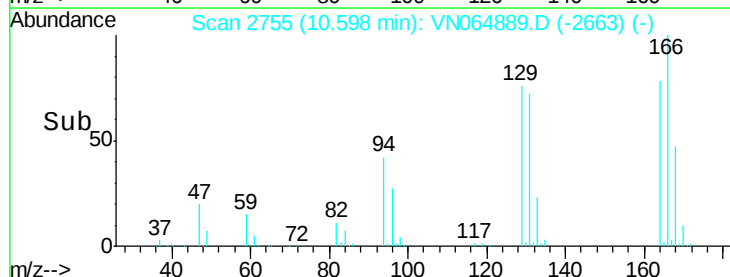
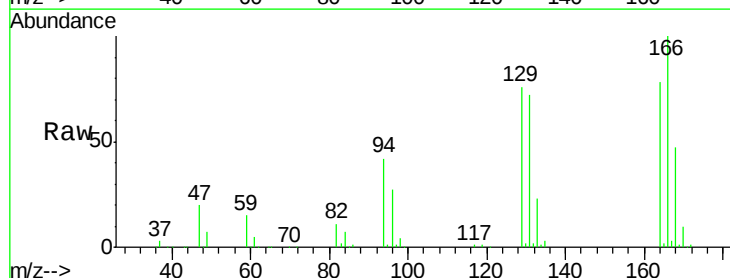
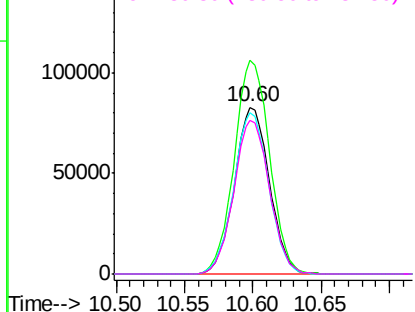
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





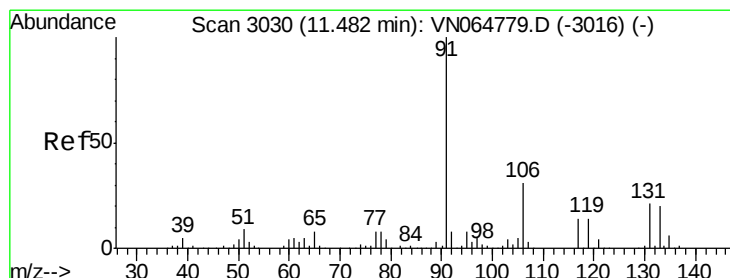
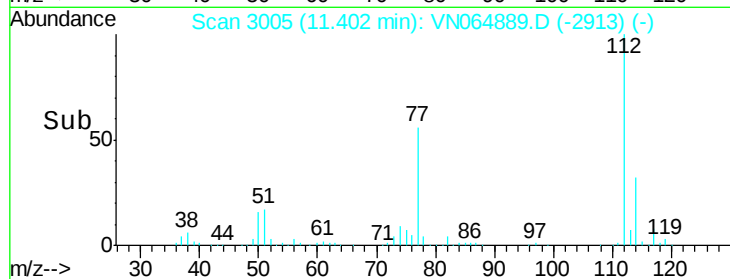
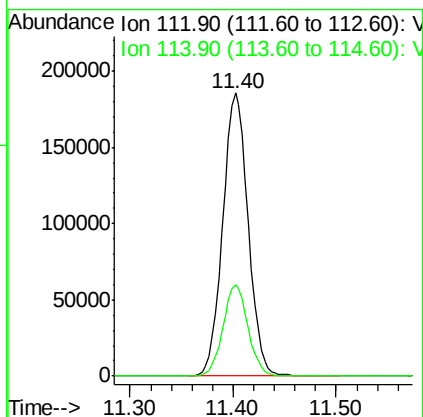
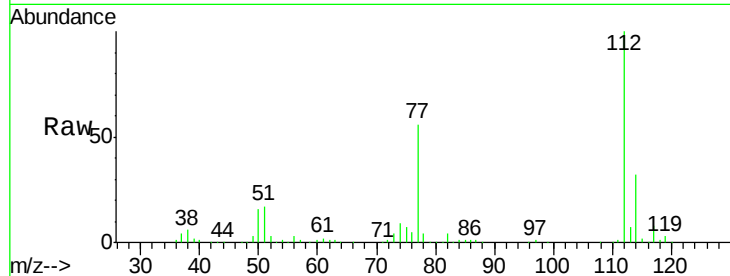
#65
Chlorobenzene
Concen: 51.102 ug/l
RT: 11.40 min Scan# 3005
Delta R.T. -0.00 min
Lab File: VN064889.D
Acq: 3 Dec 2020 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 317689
Ion Ratio Lower Upper
112 100
114 32.4 25.1 37.7

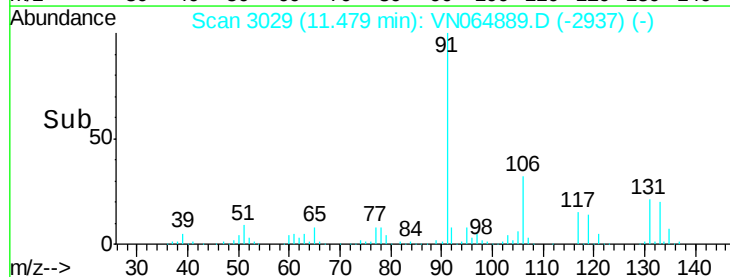
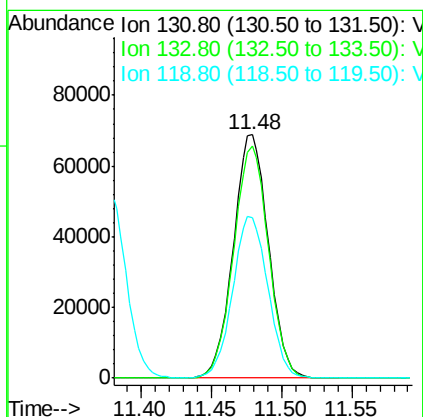
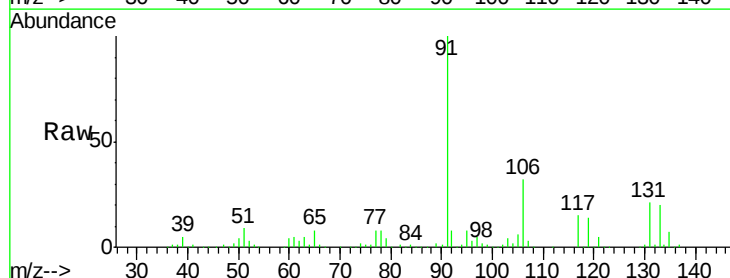
Manual Integrations
APPROVED

SAM
12/4/2020 5:41:50 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.479 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN064889.D
Acq: 3 Dec 2020 10:23

Tgt Ion:131 Resp: 119898
Ion Ratio Lower Upper
131 100
133 95.2 47.5 142.5
119 66.9 33.3 99.8





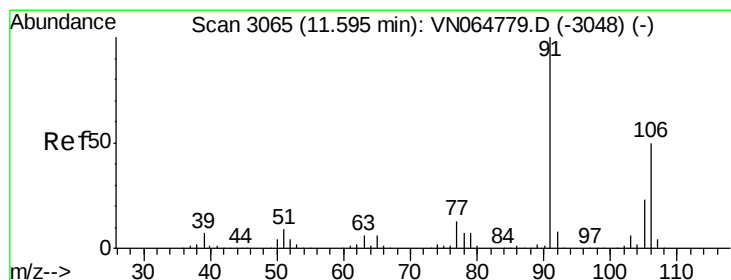
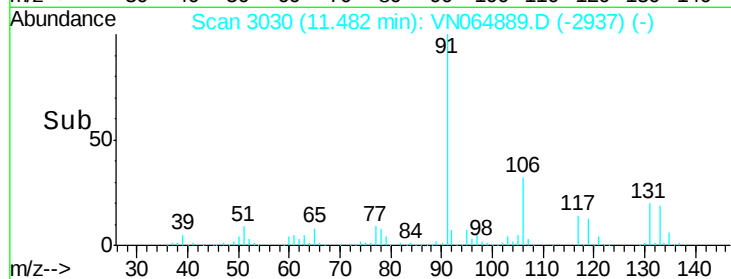
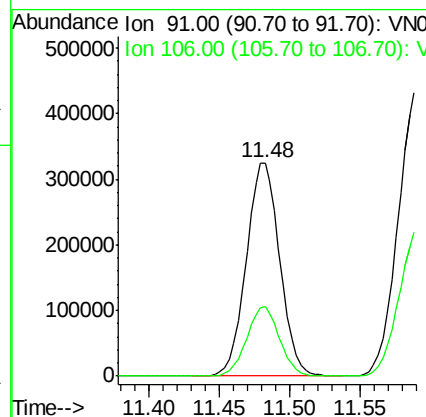
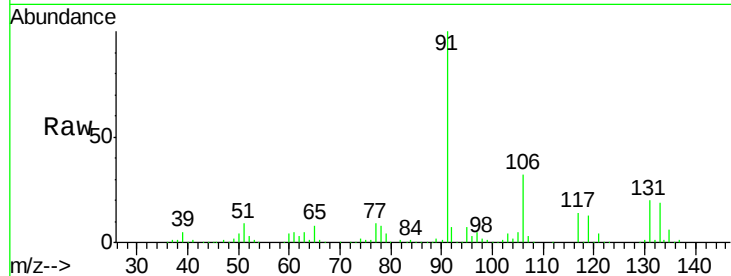
#67
Ethyl Benzene
Concen: 51.950 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064889.D
Acq: 3 Dec 2020 10:23

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 539533
Ion Ratio Lower Upper
91 100
106 32.4 25.2 37.8

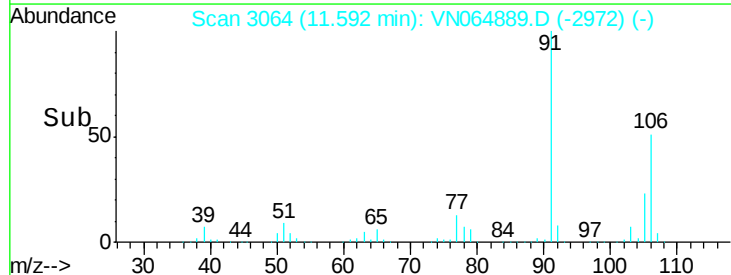
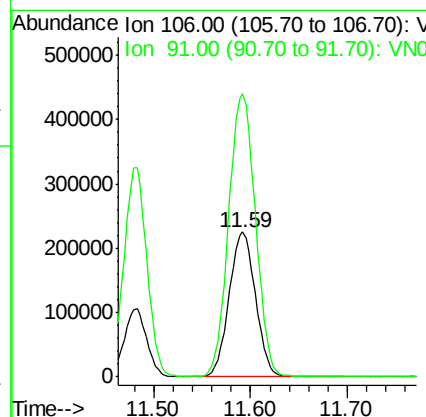
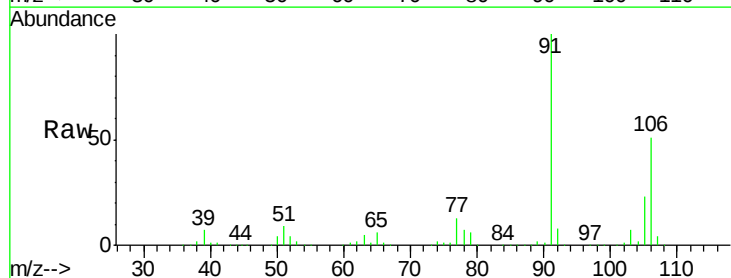
Manual Integrations
APPROVED

SAM
12/4/2020 5:41:50 PM



#68
m/p-Xylenes
Concen: 108.412 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. -0.00 min
Lab File: VN064889.D
Acq: 3 Dec 2020 10:23

Tgt Ion: 106 Resp: 426280
Ion Ratio Lower Upper
106 100
91 199.0 161.0 241.4





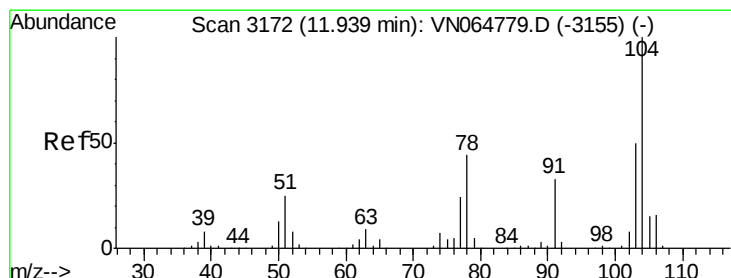
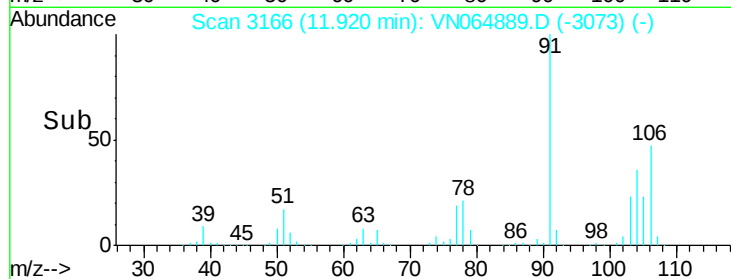
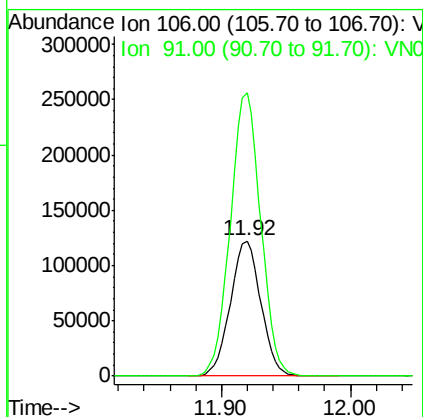
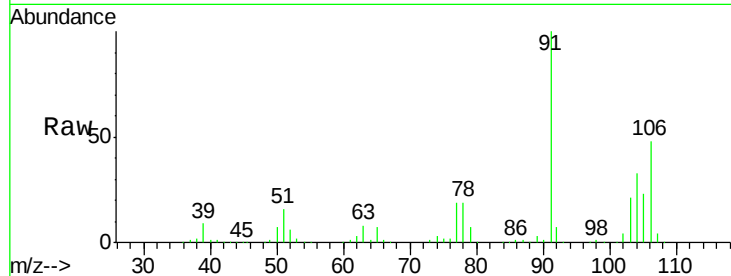
#69
o-Xylene
Concen: 53.780 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN064889.D
Acq: 3 Dec 2020 10:23

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:106 Resp: 200670
Ion Ratio Lower Upper
106 100
91 209.1 105.5 316.5

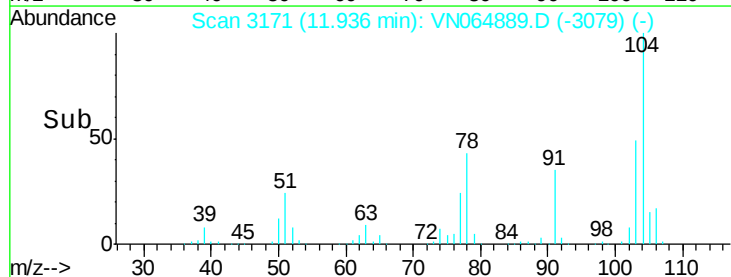
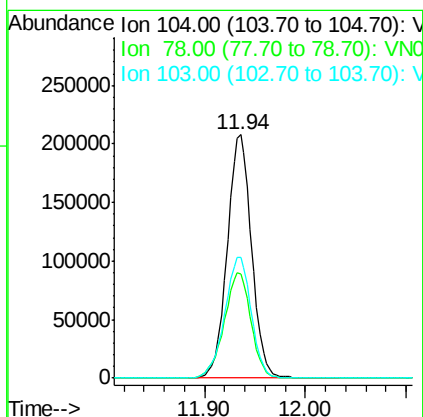
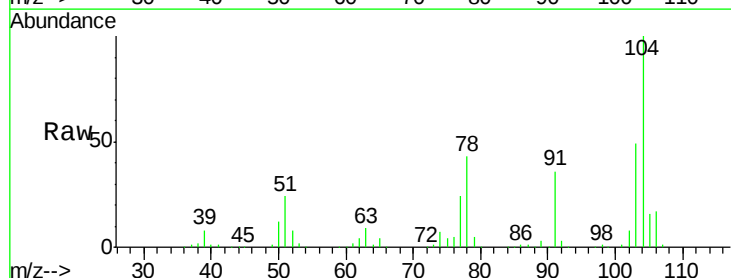
Manual Integrations
APPROVED

SAM
12/4/2020 5:41:50 PM



#70
Styrene
Concen: 55.518 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064889.D
Acq: 3 Dec 2020 10:23

Tgt Ion:104 Resp: 349710
Ion Ratio Lower Upper
104 100
78 47.4 39.0 58.6
103 54.3 44.3 66.5





#71

Bromoform

Concen: 49.949 ug/l

RT: 12.10 min Scan# 3221

Delta R.T. -0.00 min

Lab File: VN064889.D

Acq: 3 Dec 2020 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 91145

Ion Ratio Lower Upper

173 100

175 48.6 24.3 72.8

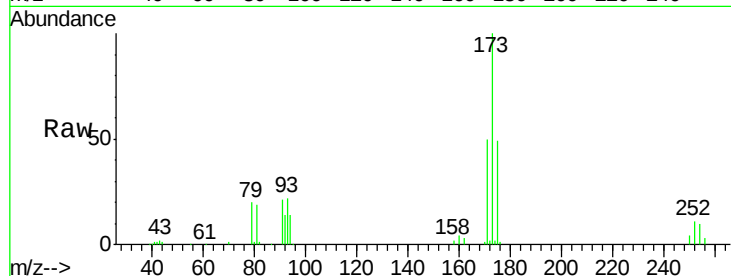
254 0.0 0.0 0.0

Manual Integrations

APPROVED

SAM

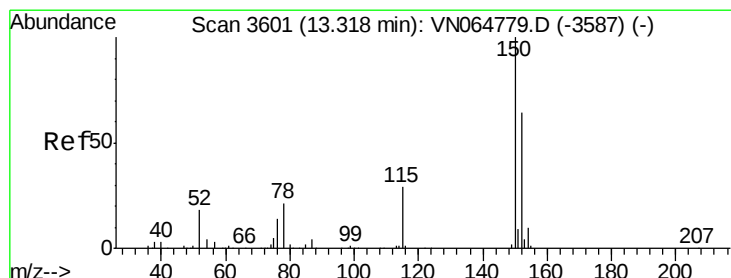
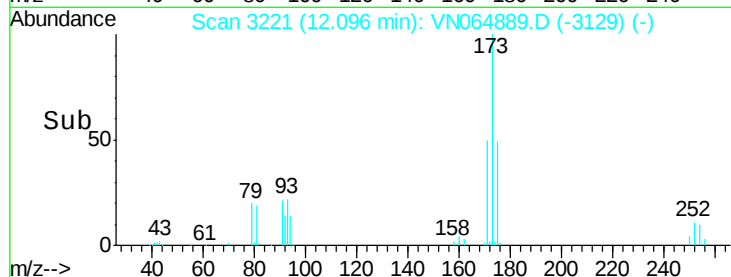
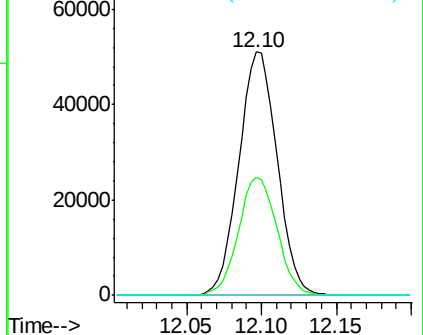
12/4/2020 5:41:50 PM



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# 3600

Delta R.T. -0.00 min

Lab File: VN064889.D

Acq: 3 Dec 2020 10:23

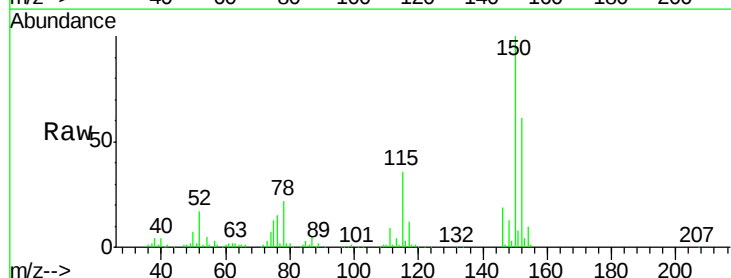
Tgt Ion:152 Resp: 146976

Ion Ratio Lower Upper

152 100

115 58.3 29.7 89.1

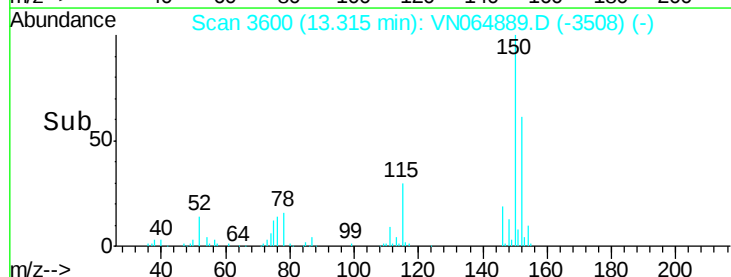
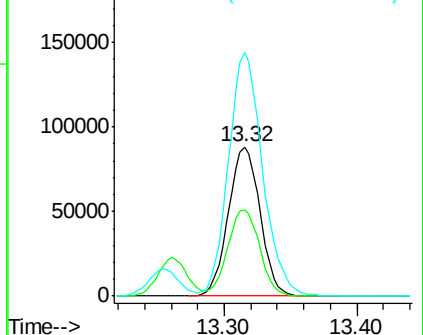
150 175.1 0.0 350.6

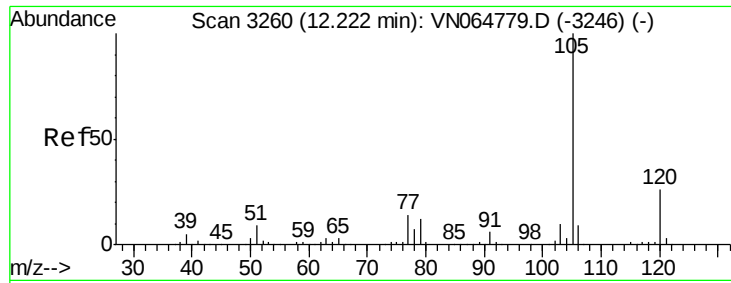


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.385 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN064889.D

Acq: 3 Dec 2020 10:23

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 105 Resp: 53542

Ion Ratio Lower Upper

105 100

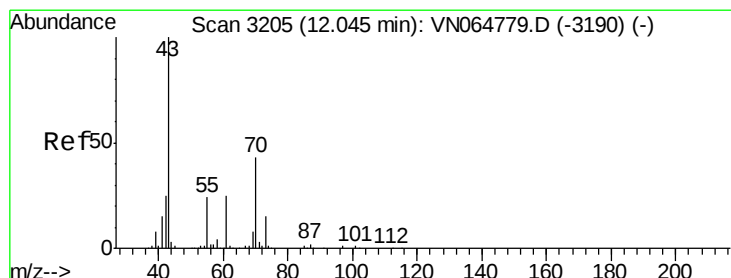
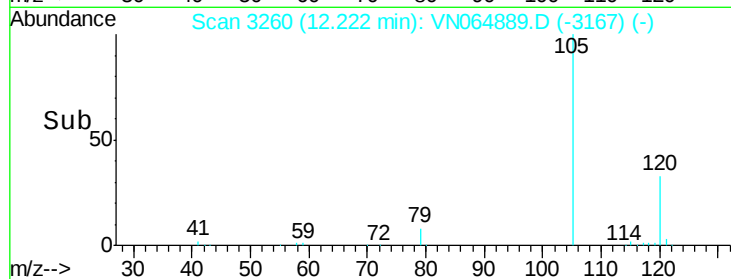
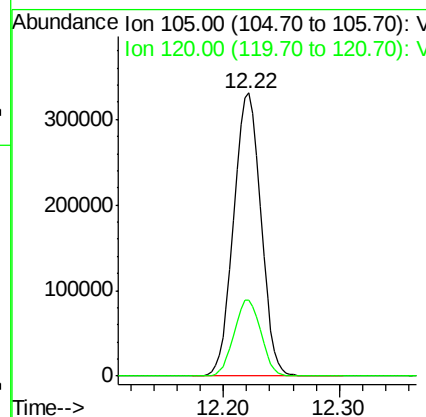
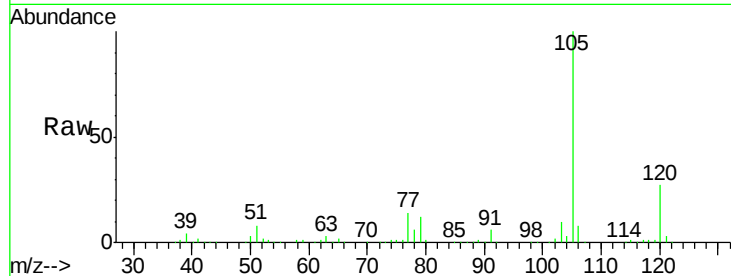
120 26.5 13.3 39.9

Manual Integrations

APPROVED

SAM

12/4/2020 5:41:50 PM



#74

N-ethyl acetate

Concen: 46.441 ug/l

RT: 12.04 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VN064889.D

Acq: 3 Dec 2020 10:23

Tgt Ion: 43 Resp: 186844

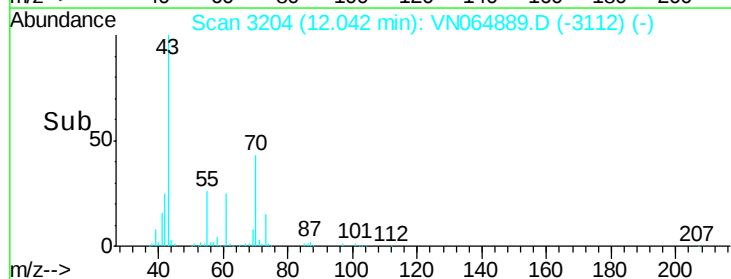
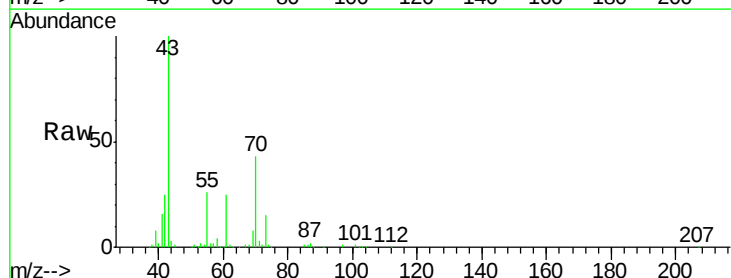
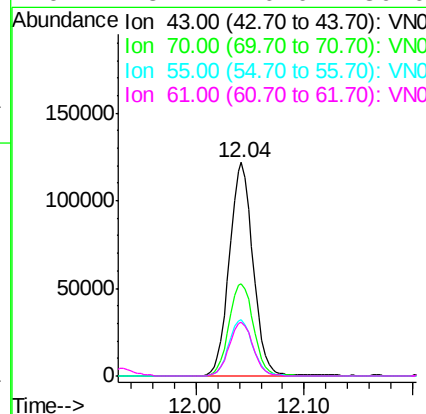
Ion Ratio Lower Upper

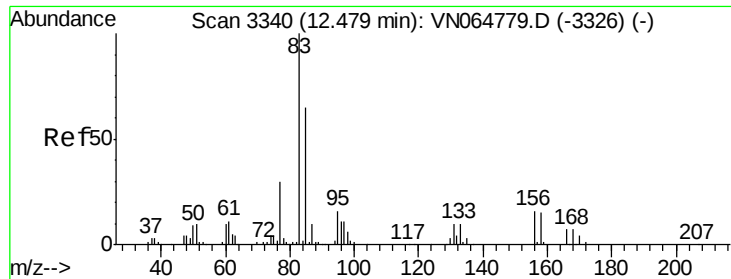
43 100

70 44.7 34.5 51.7

55 26.7 20.4 30.6

61 25.4 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 46.149 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN064889.D

Acq: 3 Dec 2020 10:23

Instrument :

MSVOA_N

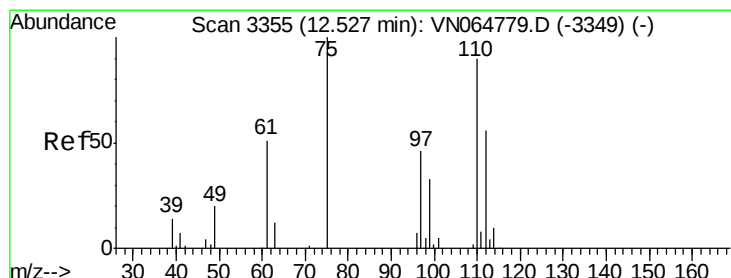
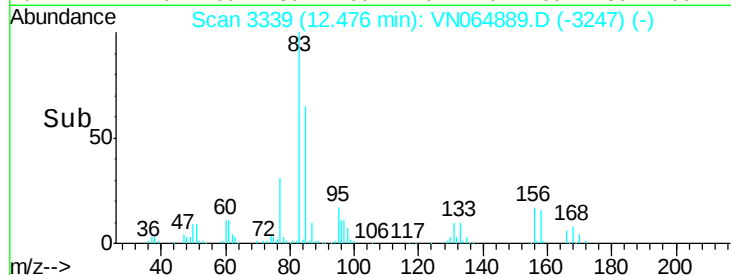
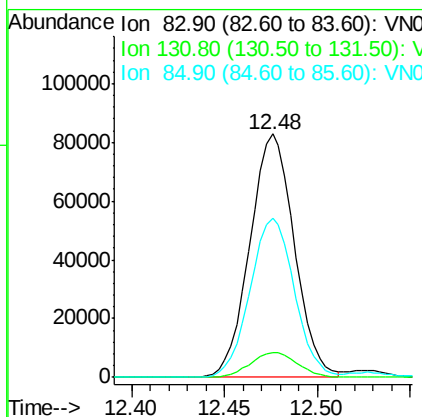
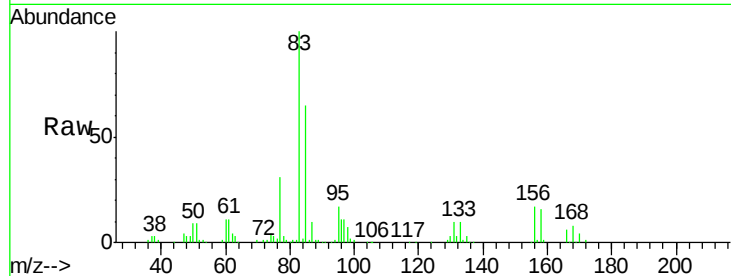
ClientSampled :

VSTDCCC050

Tot Ion:	83	Resp:	138283
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.1	15.3
85	65.1	33.0	99.0

Manual Integrations
APPROVED

SAM
12/4/2020 5:41:50 PM



#76

1,2,3-Trichloropropane

Concen: 47.866 ug/l m

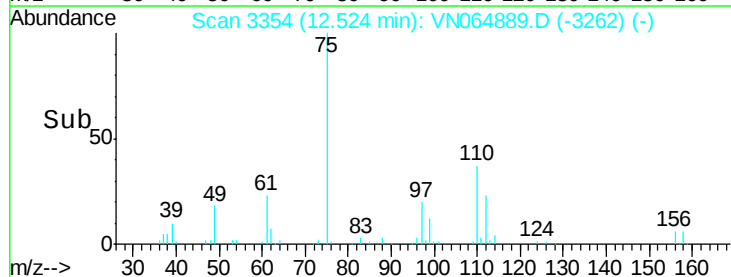
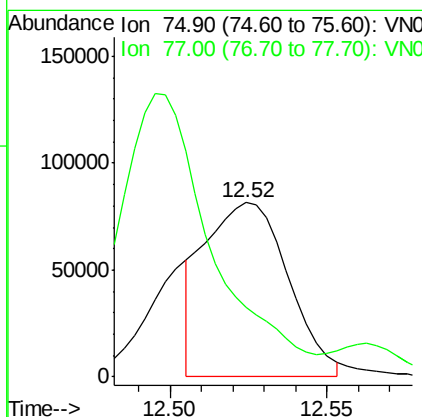
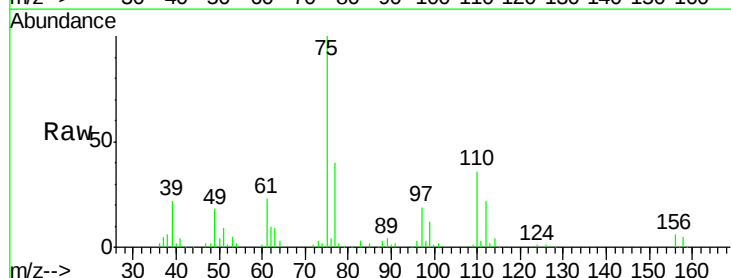
RT: 12.52 min Scan# 3354

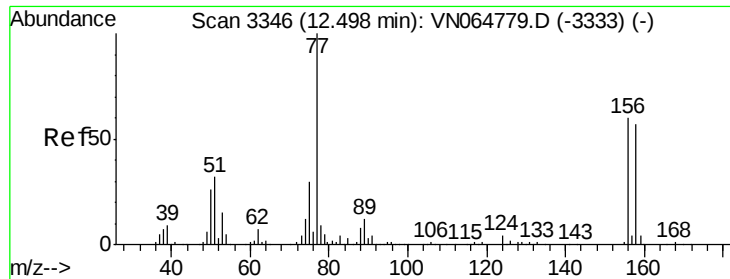
Delta R.T. -0.00 min

Lab File: VN064889.D

Acq: 3 Dec 2020 10:23

Tgt Ion:	75	Resp:	151507
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.511 ug/l

RT: 12.50 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN064889.D

Acq: 3 Dec 2020 10:23

Instrument :

MSVOA_N

ClientSampleId :

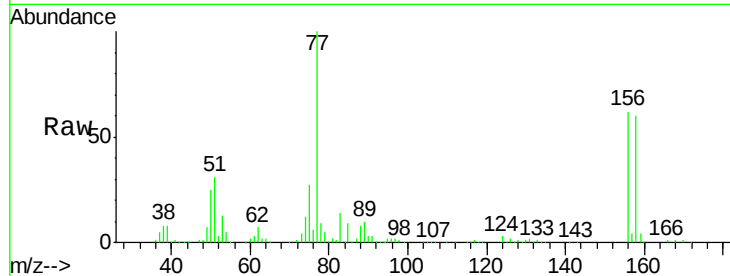
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	196.2	101.3	303.7
158	96.3	48.2	144.6

Manual Integrations
APPROVED

SAM

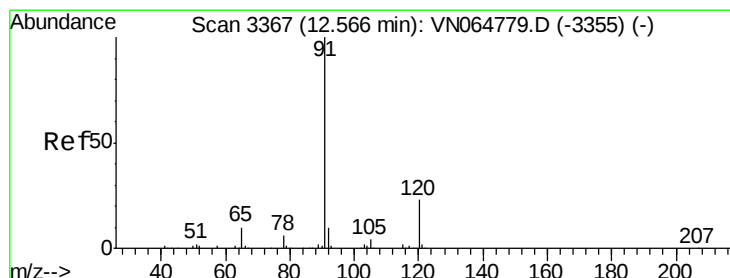
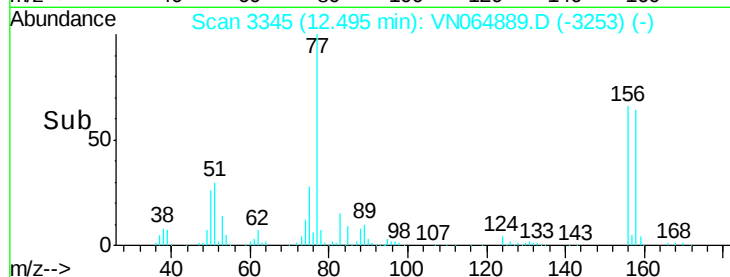
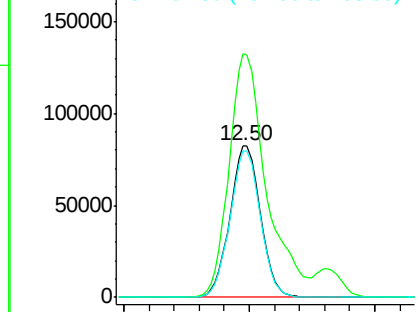
12/4/2020 5:41:50 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.145 ug/l

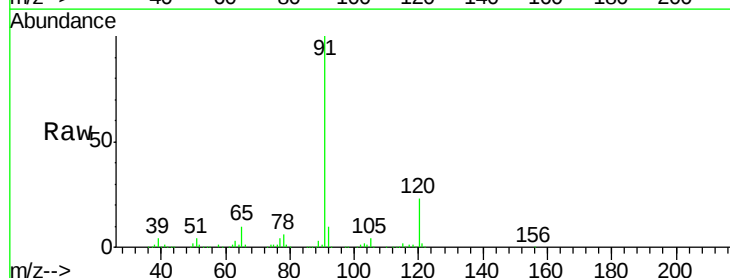
RT: 12.56 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN064889.D

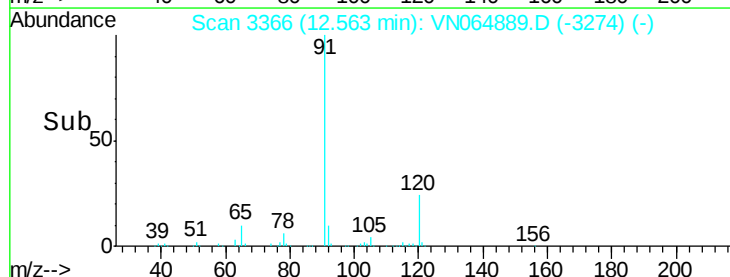
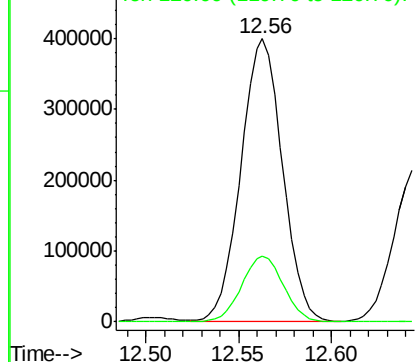
Acq: 3 Dec 2020 10:23

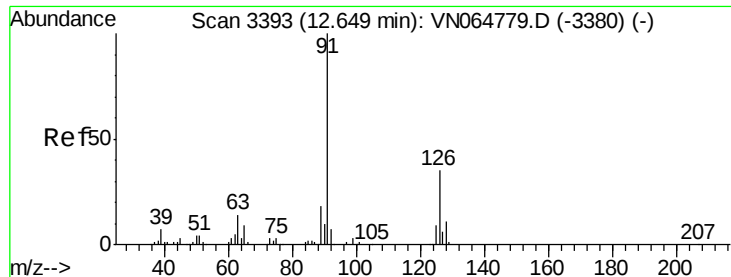
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.6	11.6	34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.329 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN064889.D

Acq: 3 Dec 2020 10:23

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 362320

Ion Ratio Lower Upper

91 100

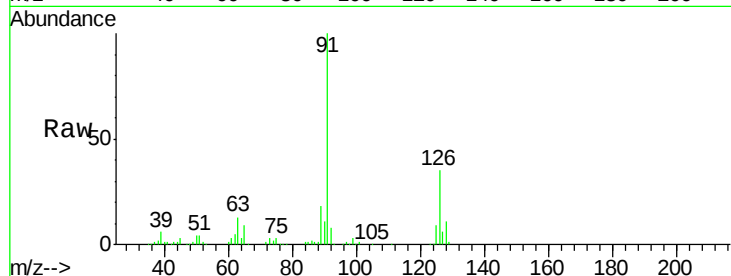
126 35.1 17.2 51.6

Manual Integrations

APPROVED

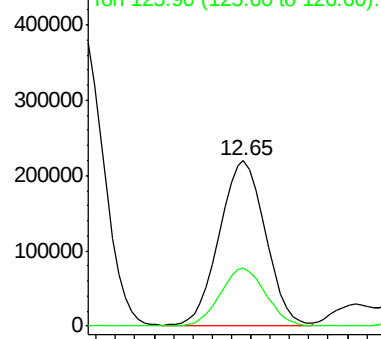
SAM

12/4/2020 5:41:50 PM

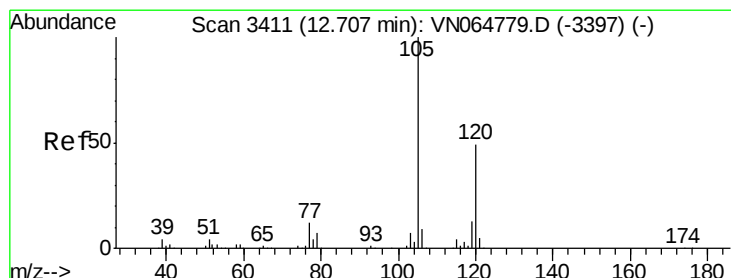
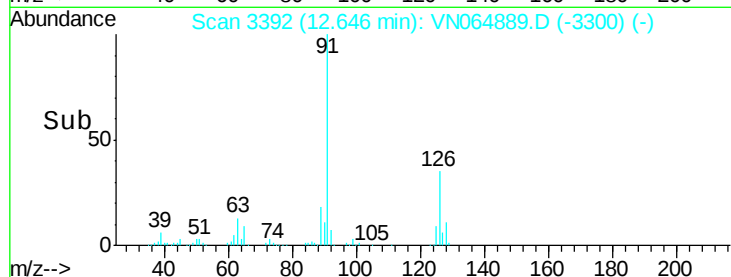


Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 55.043 ug/l

RT: 12.70 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN064889.D

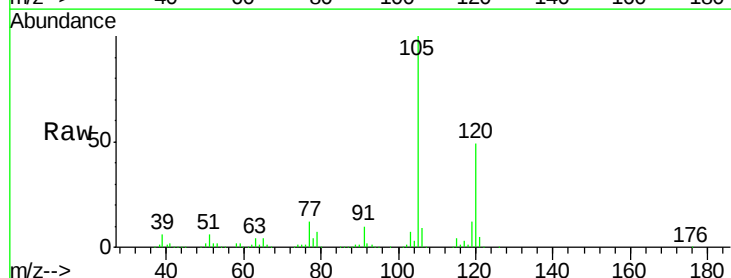
Acq: 3 Dec 2020 10:23

Tgt Ion:105 Resp: 467727

Ion Ratio Lower Upper

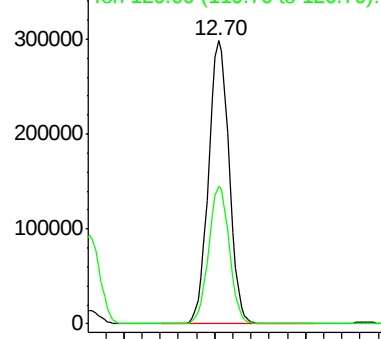
105 100

120 48.9 24.6 73.6

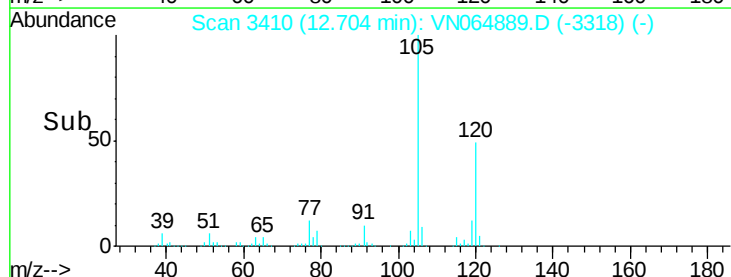


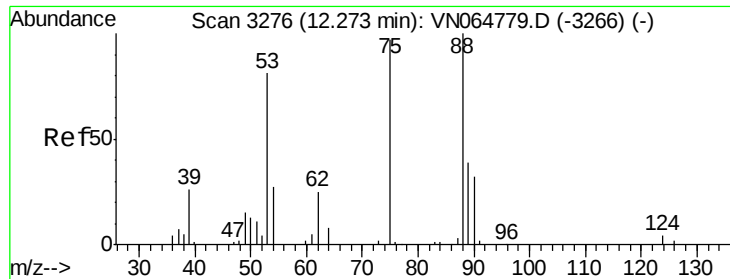
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->





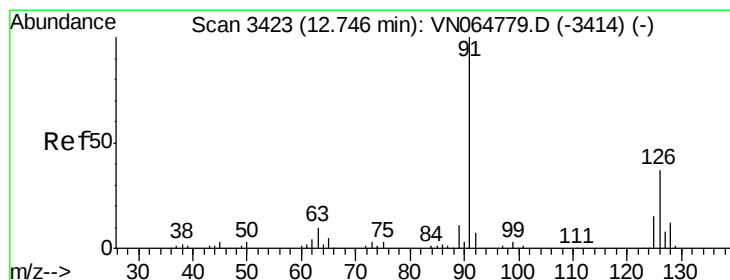
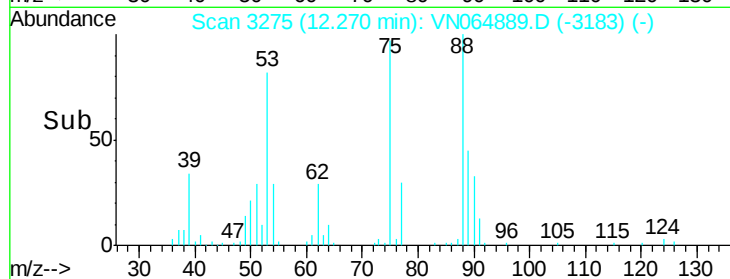
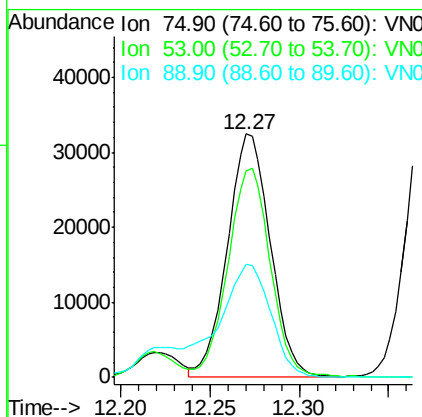
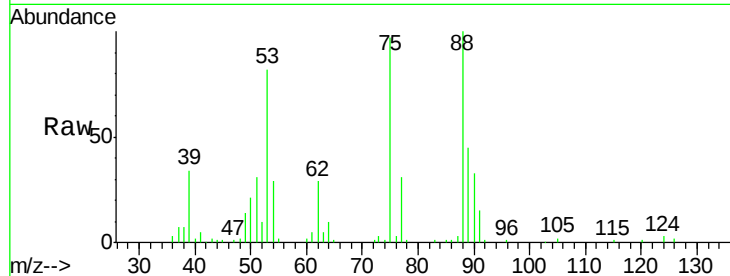
#81
trans-1,4-Dichloro-2-butene
Concen: 46.959 ug/l
RT: 12.27 min Scan# 3275
Delta R.T. -0.00 min
Lab File: VN064889.D
Acq: 3 Dec 2020 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	85.1	67.0	100.4
89	54.5	39.6	59.4

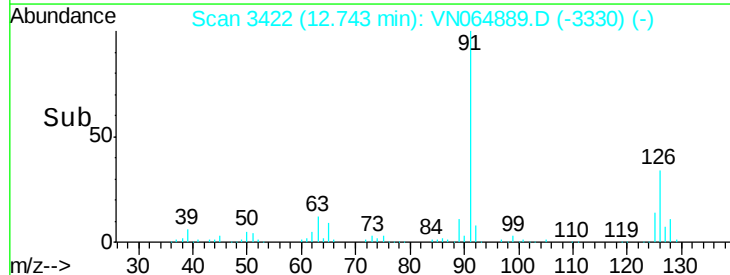
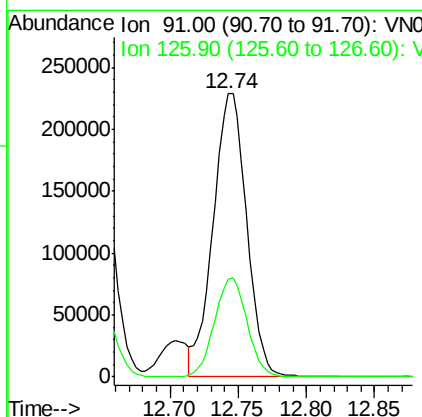
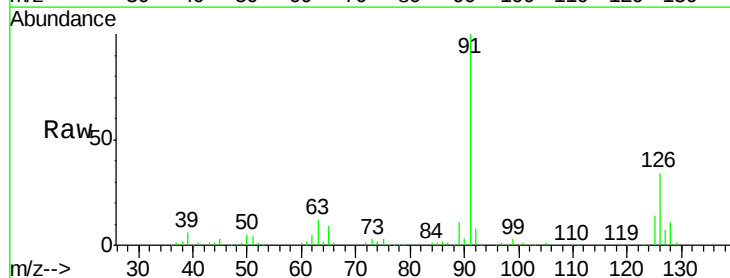
Manual Integrations
APPROVED

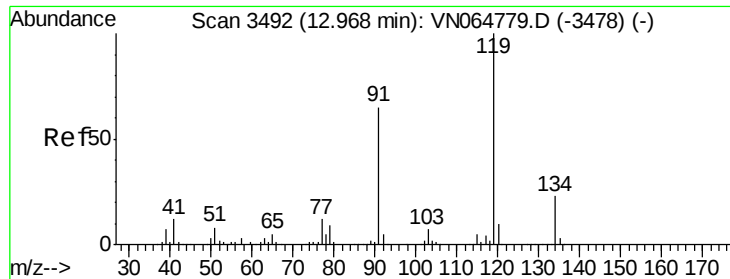
SAM
12/4/2020 5:41:50 PM



#82
4-Chlorotoluene
Concen: 51.488 ug/l
RT: 12.74 min Scan# 3422
Delta R.T. -0.00 min
Lab File: VN064889.D
Acq: 3 Dec 2020 10:23

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.1	16.9	50.7





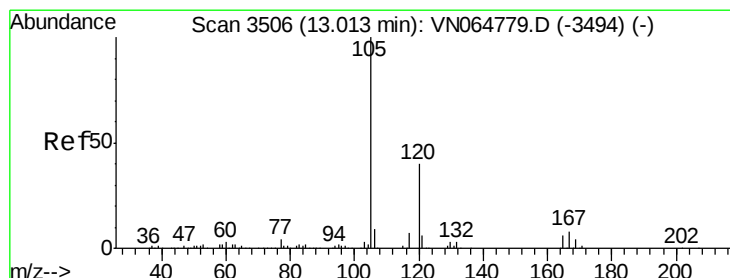
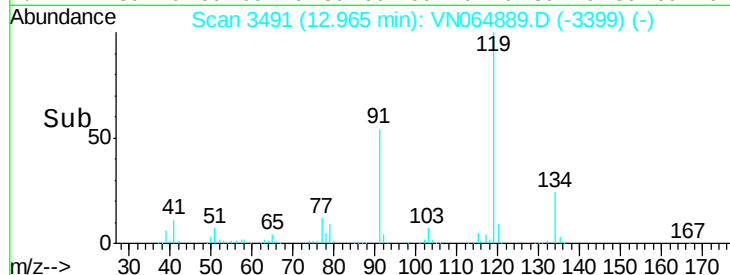
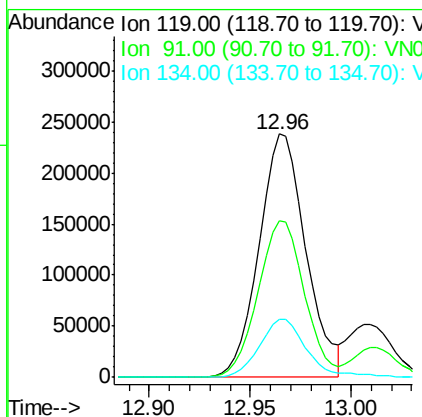
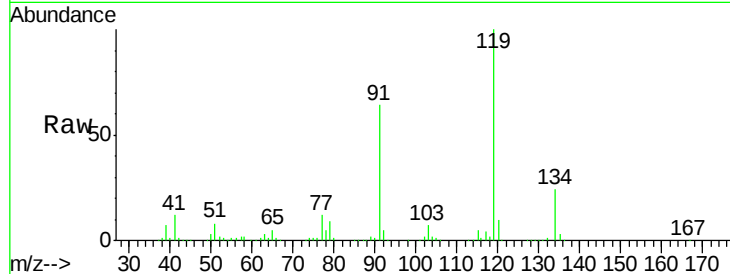
#83
tert-Butylbenzene
Concen: 54.125 ug/l
RT: 12.96 min Scan# 3491
Delta R.T. -0.00 min
Lab File: VN064889.D
Acq: 3 Dec 2020 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	38511		
91	63.7	32.3	96.8	
134	24.3	12.6	37.6	

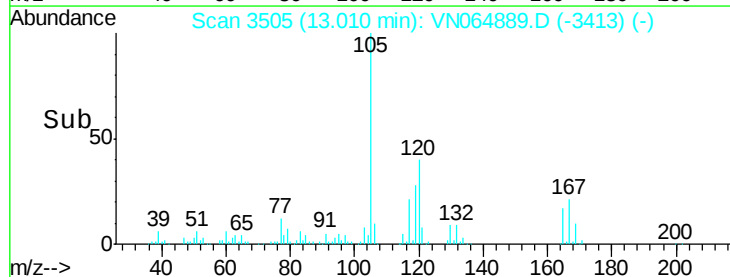
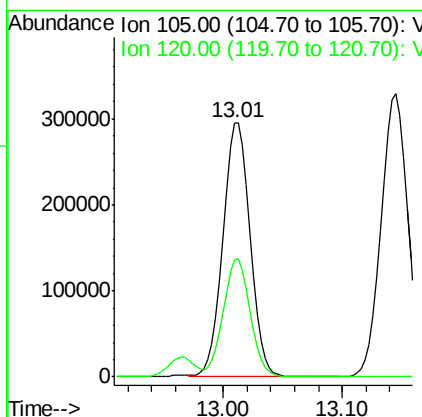
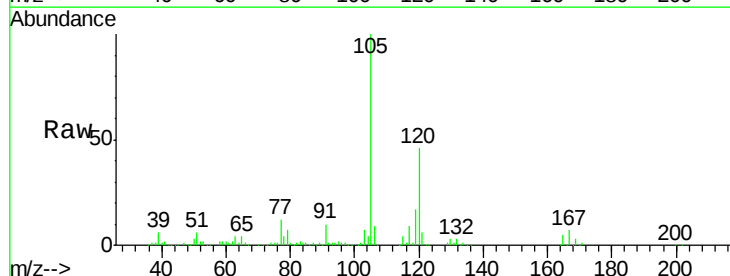
Manual Integrations
APPROVED

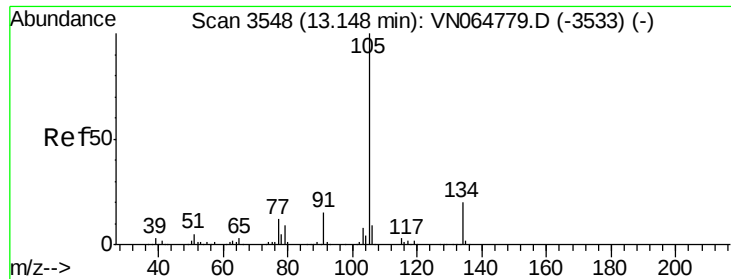
SAM
12/4/2020 5:41:50 PM



#84
1,2,4-Trimethylbenzene
Concen: 54.441 ug/l
RT: 13.01 min Scan# 3505
Delta R.T. -0.00 min
Lab File: VN064889.D
Acq: 3 Dec 2020 10:23

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	467732		
120	46.0	23.1	69.2	





#85

sec-Butylbenzene

Concen: 54.587 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064889.D

Acq: 3 Dec 2020 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 516220

Ion Ratio Lower Upper

105 100

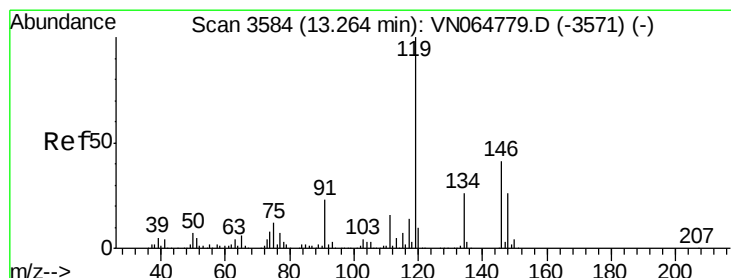
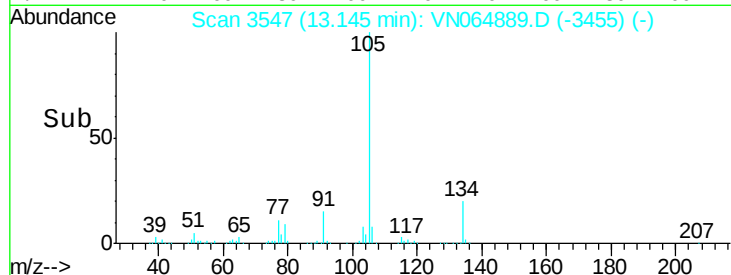
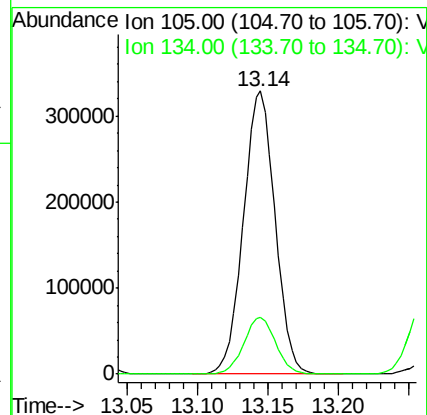
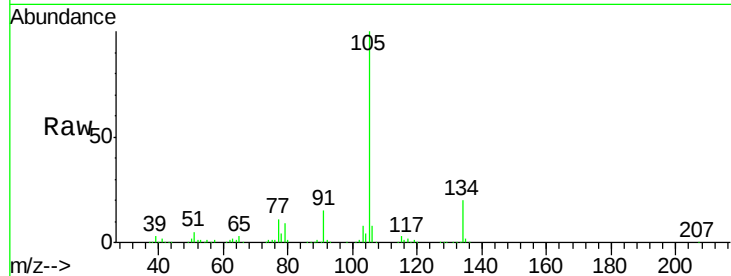
134 20.1 10.1 30.1

Manual Integrations

APPROVED

SAM

12/4/2020 5:41:50 PM



#86

p-Isopropyltoluene

Concen: 56.455 ug/l

RT: 13.26 min Scan# 3583

Delta R.T. -0.00 min

Lab File: VN064889.D

Acq: 3 Dec 2020 10:23

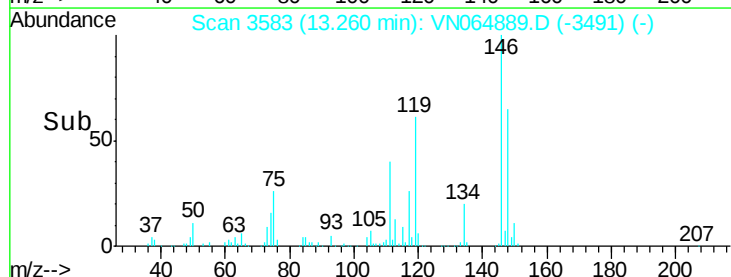
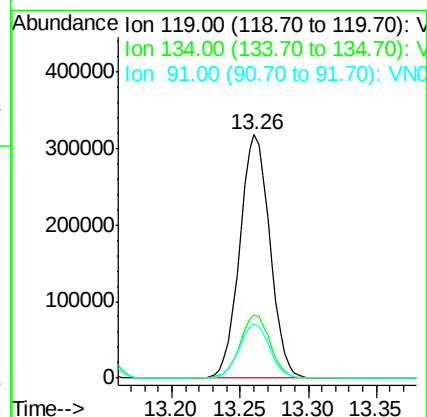
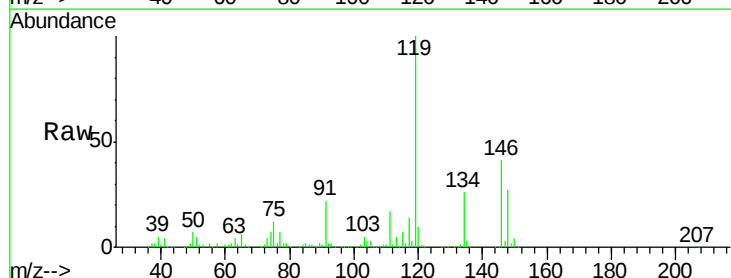
Tgt Ion:119 Resp: 486067

Ion Ratio Lower Upper

119 100

134 26.1 13.1 39.1

91 22.6 11.5 34.5





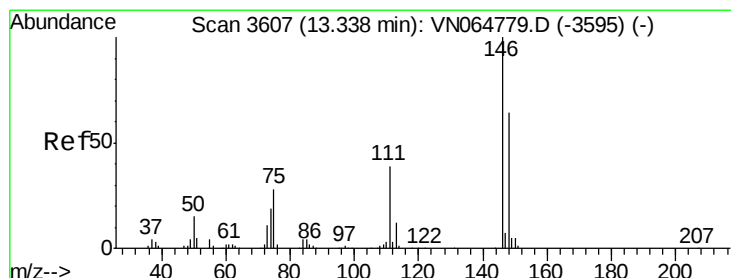
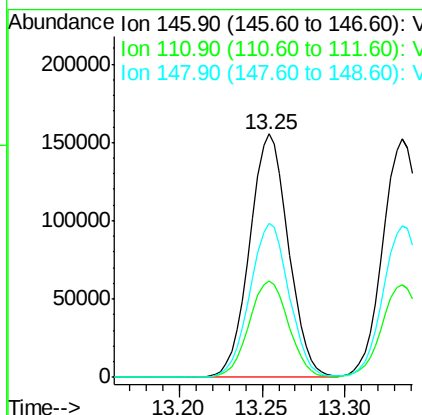
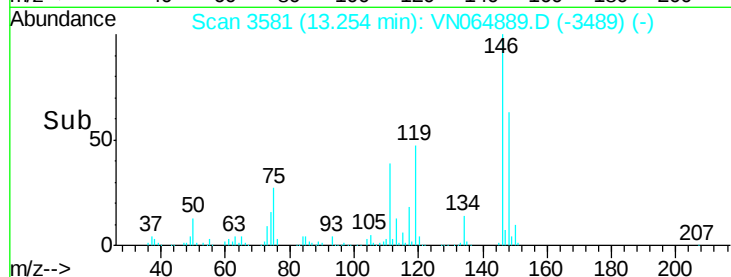
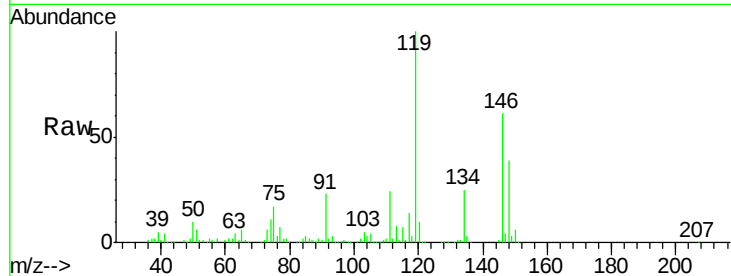
#87
 1,3-Dichlorobenzene
 Concen: 51.589 ug/l
 RT: 13.25 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN064889.D
 Acq: 3 Dec 2020 10:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	252622		
111	40.3		20.6	61.9
148	63.9		31.9	95.5

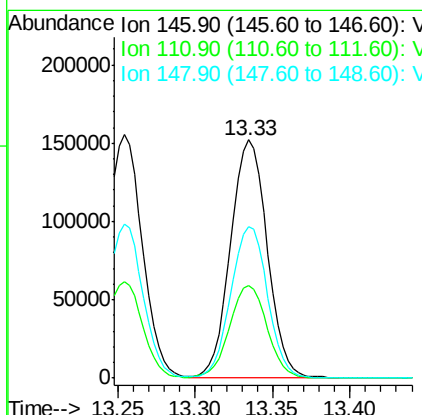
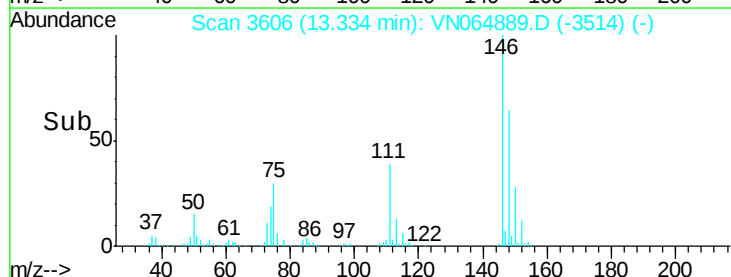
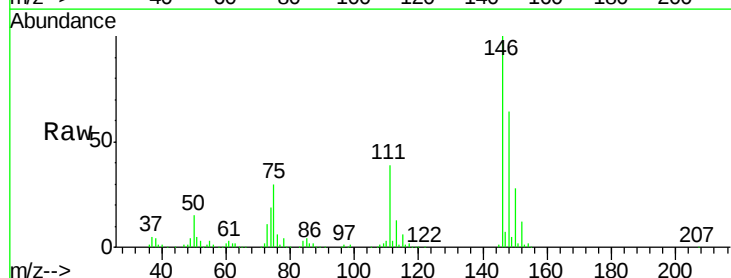
Manual Integrations
 APPROVED

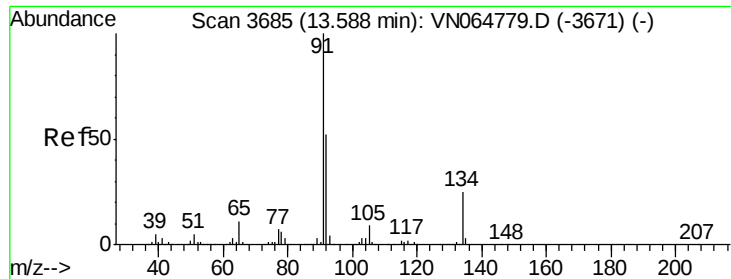
SAM
 12/4/2020 5:41:50 PM



#88
 1,4-Dichlorobenzene
 Concen: 48.152 ug/l
 RT: 13.33 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN064889.D
 Acq: 3 Dec 2020 10:23

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	249360		
111	39.7		19.8	59.3
148	63.6		31.9	95.5





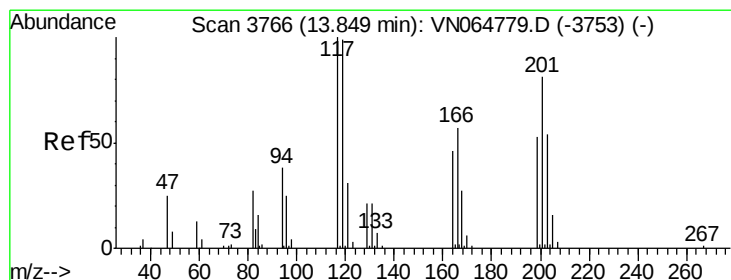
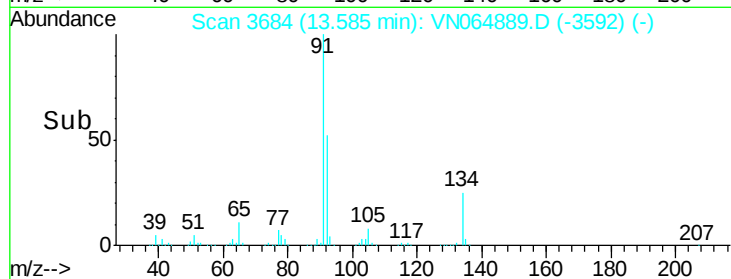
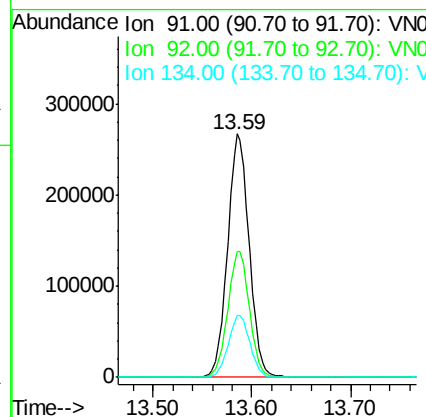
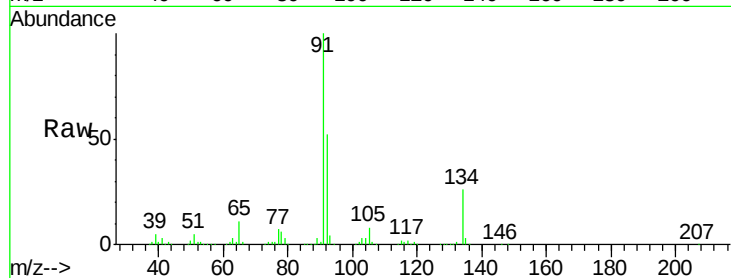
#89
n-Butylbenzene
Concen: 54.269 ug/l
RT: 13.59 min Scan# 3684
Delta R.T. -0.00 min
Lab File: VN064889.D
Acq: 3 Dec 2020 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.0	78.0
134	25.7	12.9	38.6

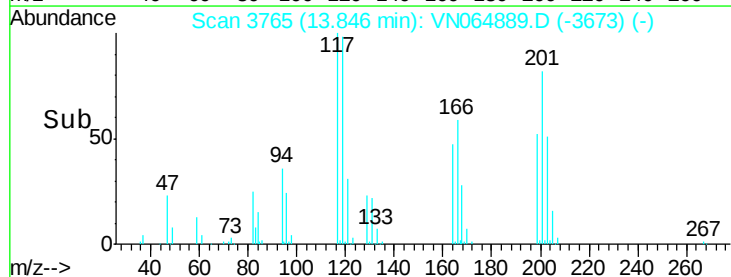
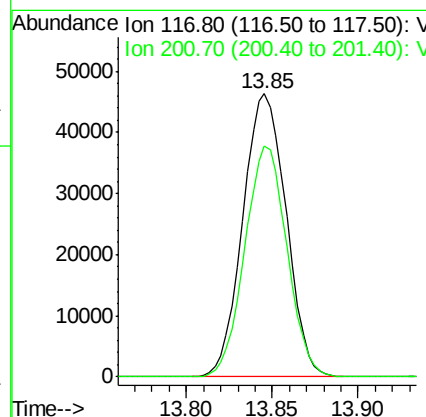
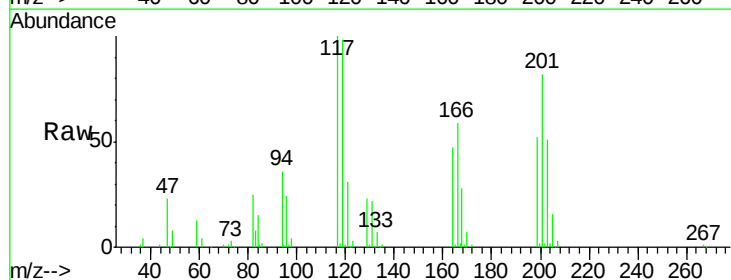
Manual Integrations
APPROVED

SAM
12/4/2020 5:41:50 PM



#90
Hexachloroethane
Concen: 54.275 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN064889.D
Acq: 3 Dec 2020 10:23

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.3	40.1	120.3





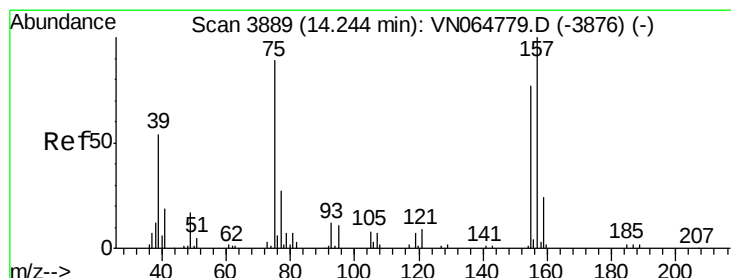
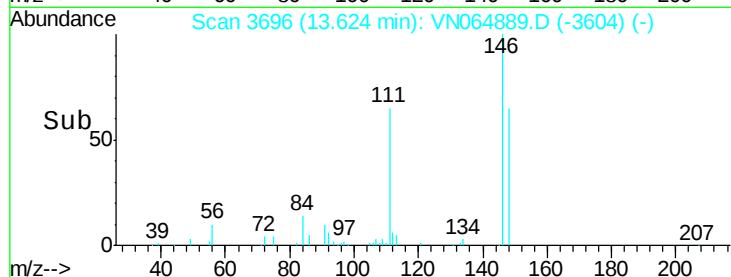
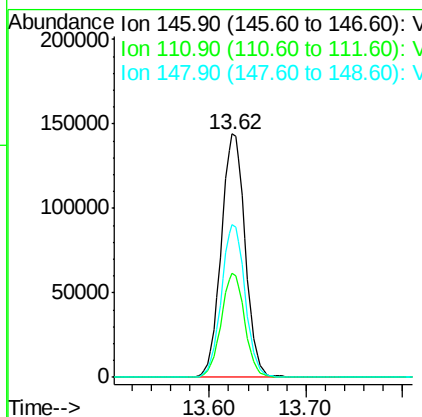
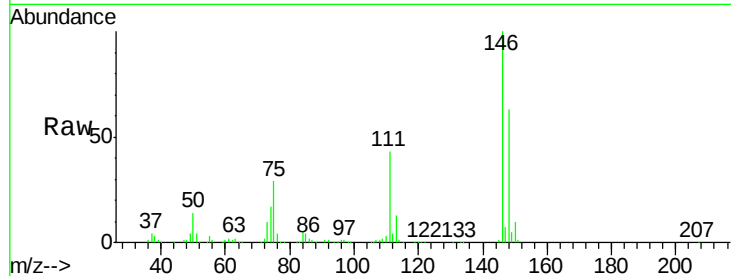
#91
 1,2-Dichlorobenzene
 Concen: 51.488 ug/l
 RT: 13.62 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN064889.D
 Acq: 3 Dec 2020 10:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	247560		
111	41.8	21.1	63.1	
148	62.4	32.0	96.2	

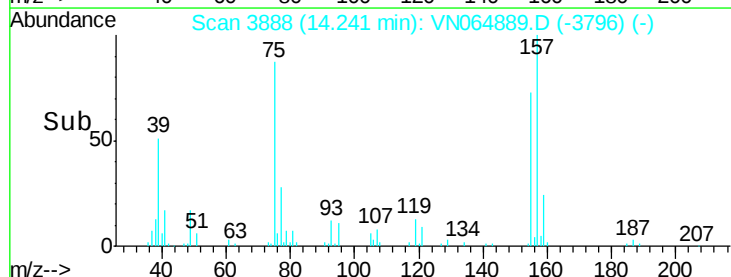
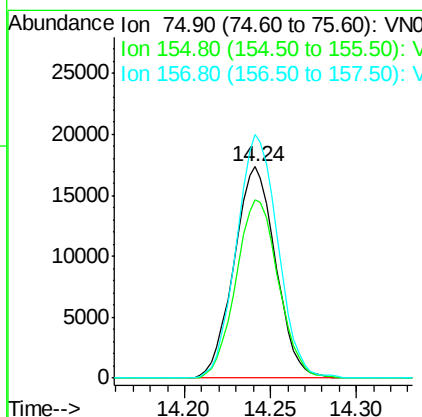
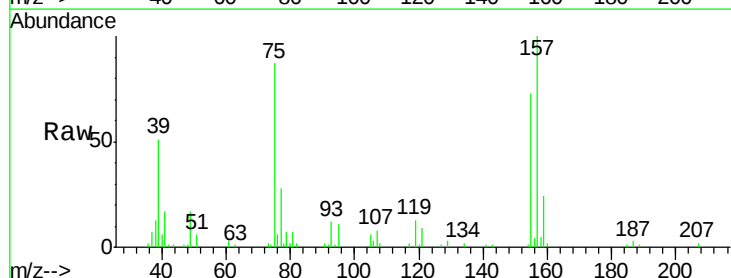
Manual Integrations
 APPROVED

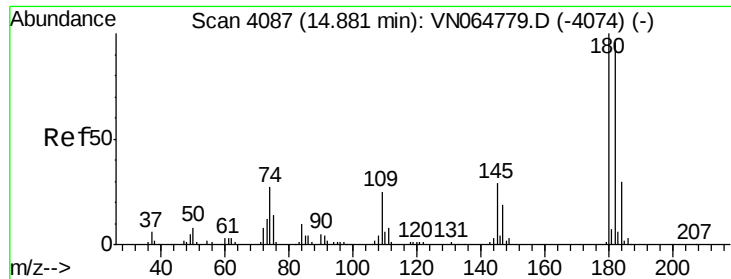
SAM
 12/4/2020 5:41:50 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 43.330 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN064889.D
 Acq: 3 Dec 2020 10:23

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	29214		
155	86.2	42.8	128.3	
157	114.7	56.4	169.1	





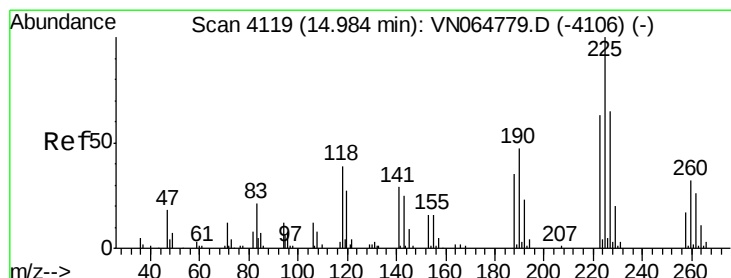
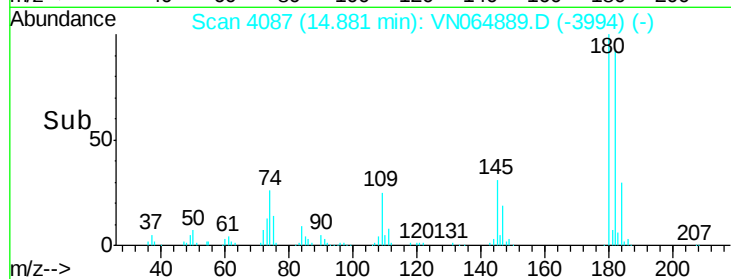
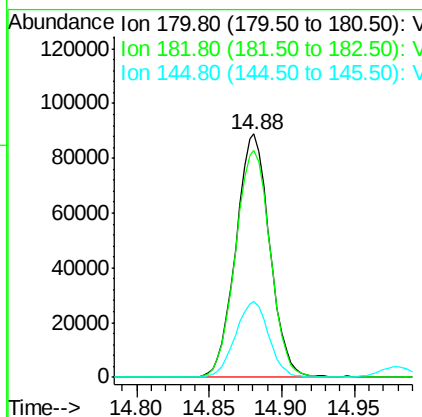
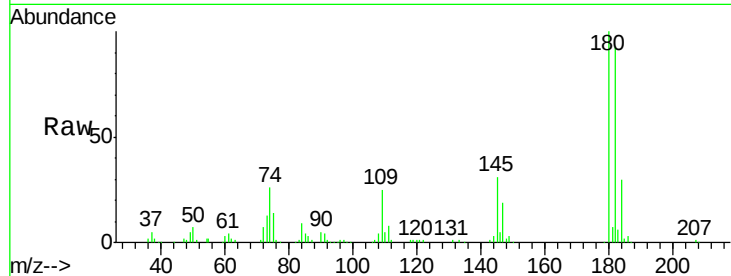
#93
 1,2,4-Trichlorobenzene
 Concen: 48.646 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN064889.D
 Acq: 3 Dec 2020 10:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	144691		
182	95.7	47.6	142.9	
145	30.6	15.3	45.8	

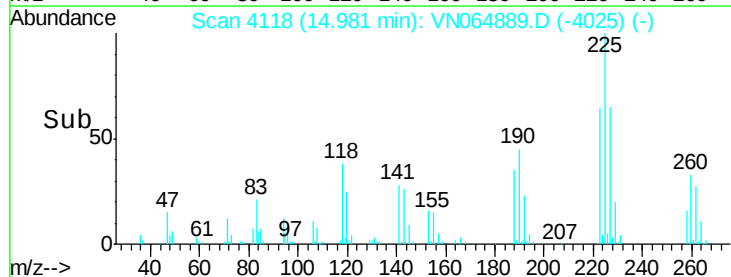
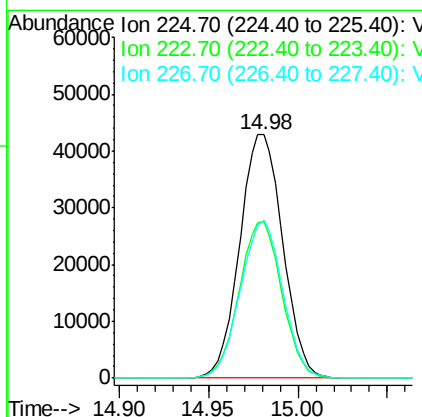
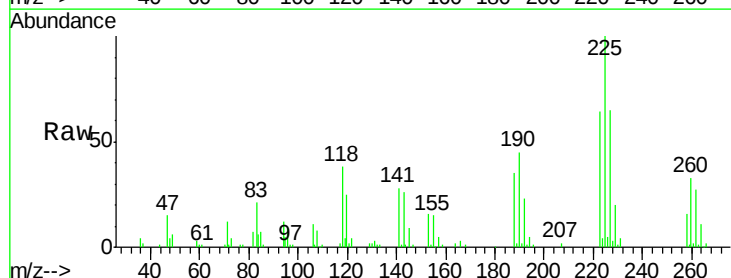
Manual Integrations
 APPROVED

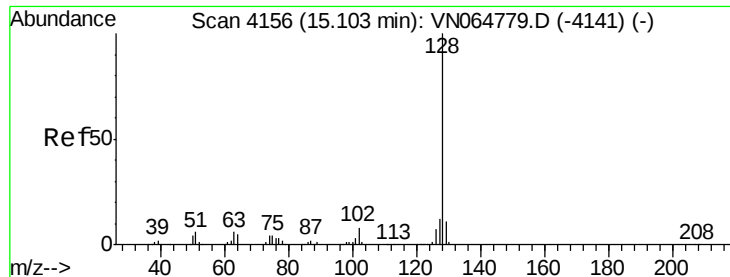
SAM
 12/4/2020 5:41:50 PM



#94
 Hexachlorobutadiene
 Concen: 53.688 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064889.D
 Acq: 3 Dec 2020 10:23

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	71946		
223	63.5	31.0	93.0	
227	63.9	32.0	96.0	





#95

Naphthalene

Concen: 45.285 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064889.D

Acq: 3 Dec 2020 10:23

Instrument :

MSVOA_N

ClientSampleId :

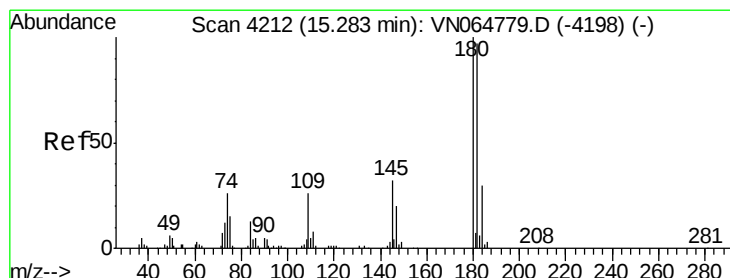
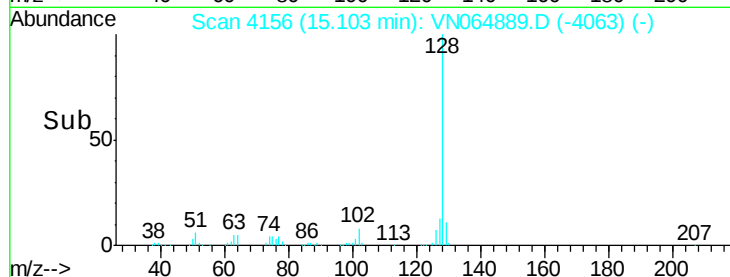
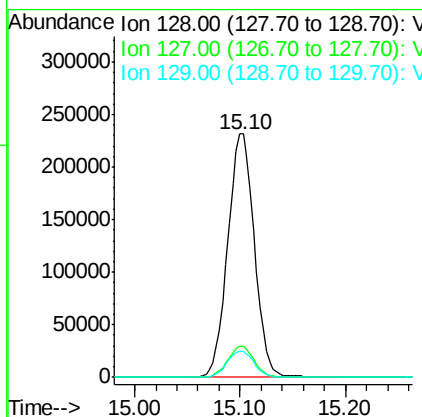
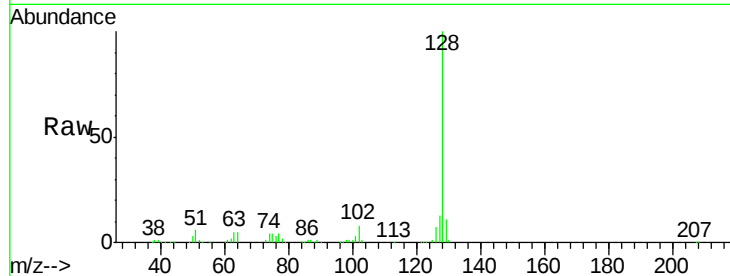
VSTDCCC050

Tot Ion:	128	Resp:	403527
Ion Ratio		Lower	Upper
128	100		
127	12.7	10.3	15.5
129	10.8	8.7	13.1

Manual Integrations
APPROVED

SAM

12/4/2020 5:41:50 PM



#96

1,2,3-Trichlorobenzene

Concen: 48.971 ug/l

RT: 15.28 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN064889.D

Acq: 3 Dec 2020 10:23

Tgt Ion:	180	Resp:	138336
Ion Ratio		Lower	Upper
180	100		
182	94.6	48.1	144.4
145	32.2	16.4	49.1

