

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081020\
 Data File : VN062796.D
 Acq On : 10 Aug 2020 9:19
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

sam
 8/11/2020 3:24:39 PM

Quant Time: Aug 10 11:17:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080520W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:26:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	175114	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	265389	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	253743	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	129502	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	133345	46.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.10%	
35) Dibromofluoromethane	7.55	113	90224	49.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.40%	
50) Toluene-d8	10.06	98	351020	49.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.06%	
62) 4-Bromofluorobenzene	12.38	95	135889	50.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	122770	48.960	ug/l	98
3) Chloromethane	2.03	50	98264	41.526	ug/l	98
4) Vinyl Chloride	2.16	62	96041	43.273	ug/l	99
5) Bromomethane	2.51	94	72738	49.509	ug/l	97
6) Chloroethane	2.66	64	75080	51.421	ug/l	99
7) Trichlorofluoromethane	2.97	101	199556	50.424	ug/l	99
8) Diethyl Ether	3.37	74	54755	48.330	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.71	101	77891	48.779	ug/l	99
10) Methyl Iodide	3.91	142	92706	48.330	ug/l	99
11) Tert butyl alcohol	4.73	59	93328	196.637	ug/l	99
12) 1,1-Dichloroethene	3.69	96	69890	46.790	ug/l	97
13) Acrolein	3.57	56	54369	189.197	ug/l	99
14) Allyl chloride	4.27	41	123796	40.379	ug/l	98
15) Acrylonitrile	4.93	53	235647	214.062	ug/l	100
16) Acetone	3.77	43	309251	295.545	ug/l	99
17) Carbon Disulfide	4.00	76	184859	43.540	ug/l	99
18) Methyl Acetate	4.27	43	106693	42.951	ug/l	97
19) Methyl tert-butyl Ether	4.99	73	315562	46.512	ug/l	97
20) Methylene Chloride	4.50	84	86941	45.331	ug/l	94
21) trans-1,2-Dichloroethene	4.98	96	76780	43.815	ug/l	96
22) Diisopropyl ether	5.90	45	292384	44.799	ug/l	98
23) Vinyl Acetate	5.84	43	1030370	207.558	ug/l	98
24) 1,1-Dichloroethane	5.79	63	164995	43.139	ug/l	99
25) 2-Butanone	6.78	43	351359	237.086	ug/l	100
26) 2,2-Dichloropropane	6.77	77	163352	46.333	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	92822	44.156	ug/l	97
28) Bromochloromethane	7.15	49	79898	43.284	ug/l	96
29) Tetrahydrofuran	7.16	42	202851	210.689	ug/l	97
30) Chloroform	7.33	83	180717	44.460	ug/l	99
31) Cyclohexane	7.61	56	151943	43.277	ug/l	96
32) 1,1,1-Trichloroethane	7.53	97	163519	44.995	ug/l	98
36) 1,1-Dichloropropene	7.75	75	120513	46.636	ug/l	98
37) Ethyl Acetate	6.88	43	118238	43.802	ug/l	99
38) Carbon Tetrachloride	7.73	117	144307	47.217	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081020\
 Data File : VN062796.D
 Acq On : 10 Aug 2020 9:19
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050

Manual Integrations
 APPROVED

sam
 8/11/2020 3:24:39 PM

Quant Time: Aug 10 11:17:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080520W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:26:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	155917	50.137	ug/l	97
40) Benzene	8.00	78	352382	45.698	ug/l	97
41) Methacrylonitrile	7.13	41	59053m	48.481	ug/l	
42) 1,2-Dichloroethane	8.08	62	155734	47.451	ug/l	99
43) Isopropyl Acetate	8.13	43	196281	43.594	ug/l	98
44) Trichloroethene	8.80	130	87628	46.643	ug/l	96
45) 1,2-Dichloropropane	9.08	63	98649	47.268	ug/l	97
46) Dibromomethane	9.17	93	64876	47.443	ug/l	98
47) Bromodichloromethane	9.37	83	151090	49.196	ug/l	100
48) Methyl methacrylate	9.17	41	98441	44.451	ug/l	97
49) 1,4-Dioxane	9.17	88	38556	939.582	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	659901	226.524	ug/l	99
52) Toluene	10.12	92	228692	48.034	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	166416	49.261	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	166489	49.086	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	97257	47.830	ug/l	97
56) Ethyl methacrylate	10.40	69	150446	49.155	ug/l	99
57) 1,3-Dichloropropane	10.68	76	164994	47.755	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	164767	190.452	ug/l	98
59) 2-Hexanone	10.72	43	526985	242.510	ug/l	100
60) Dibromochloromethane	10.87	129	115237	49.661	ug/l	98
61) 1,2-Dibromoethane	10.98	107	95881	47.786	ug/l	99
64) Tetrachloroethene	10.60	164	76888	46.964	ug/l	99
65) Chlorobenzene	11.41	112	253799	47.849	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.48	131	105453	49.508	ug/l	96
67) Ethyl Benzene	11.48	91	467766	49.281	ug/l	97
68) m/p-Xylenes	11.60	106	348153	101.045	ug/l	99
69) o-Xylene	11.92	106	166220	51.478	ug/l	99
70) Styrene	11.94	104	295298	52.029	ug/l	99
71) Bromoform	12.10	173	82610	47.401	ug/l #	99
73) Isopropylbenzene	12.22	105	472883	48.494	ug/l	99
74) N-amyl acetate	12.04	43	183788	46.508	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	148201	43.172	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	149726m	42.870	ug/l	
77) Bromobenzene	12.50	156	112541	46.448	ug/l	95
78) n-propylbenzene	12.57	91	566130	49.458	ug/l	99
79) 2-Chlorotoluene	12.65	91	339102	47.241	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	427947	50.586	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	55176	48.228	ug/l	98
82) 4-Chlorotoluene	12.75	91	363547	49.146	ug/l	100
83) tert-Butylbenzene	12.97	119	355339	49.639	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	425194	52.536	ug/l	99
85) sec-Butylbenzene	13.15	105	470397	50.040	ug/l	100
86) p-Isopropyltoluene	13.26	119	438908	52.600	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	209100	48.308	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	209011	48.144	ug/l	98
89) n-Butylbenzene	13.59	91	366037	51.868	ug/l	100
90) Hexachloroethane	13.85	117	81951	45.563	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	200692	49.455	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.25	75	33851	45.933	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081020\
Data File : VN062796.D
Acq On : 10 Aug 2020 9:19
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

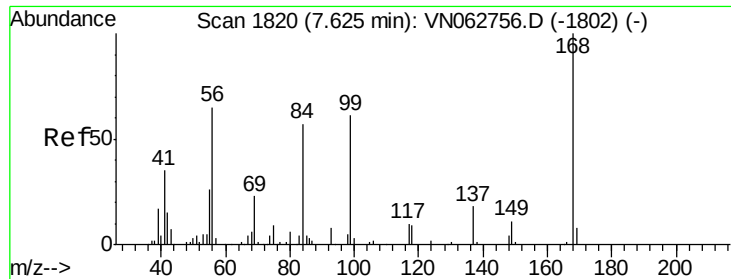
Manual Integrations
APPROVED

sam
8/11/2020 3:24:39 PM

Quant Time: Aug 10 11:17:55 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080520W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 05 13:26:42 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	97949	45.279	ug/l	98
94) Hexachlorobutadiene	14.99	225	67384	52.844	ug/l	98
95) Naphthalene	15.10	128	241600	41.281	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	96408	45.162	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN062796.D

Acq: 10 Aug 2020 9:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 175114

Ion Ratio Lower Upper

168 100

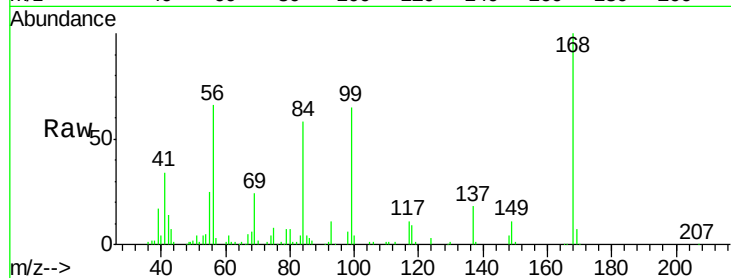
99 64.6 52.9 79.3

Manual Integrations

APPROVED

sam

8/11/2020 3:24:39 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

80000

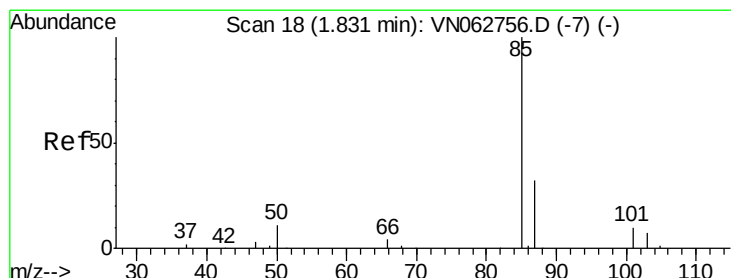
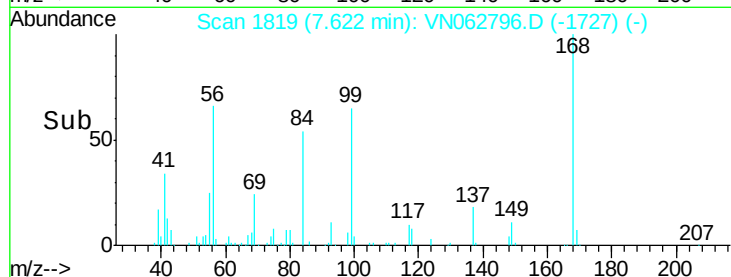
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 48.960 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN062796.D

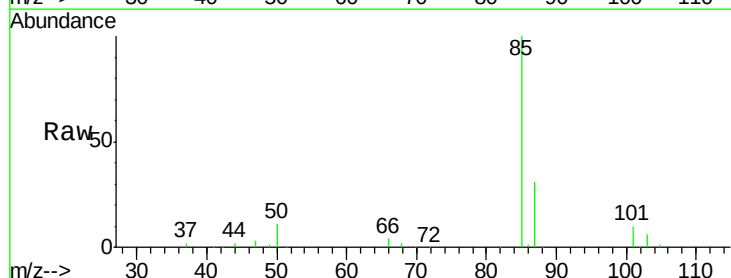
Acq: 10 Aug 2020 9:19

Tgt Ion: 85 Resp: 122770

Ion Ratio Lower Upper

85 100

87 31.3 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

100000

80000

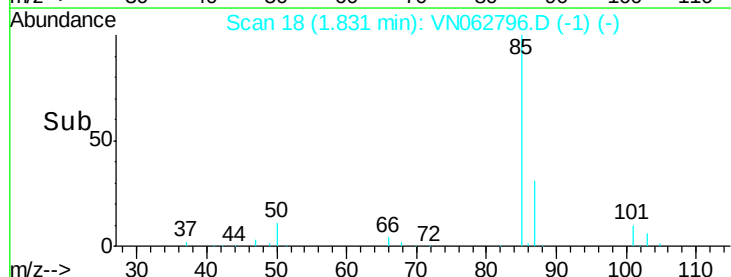
60000

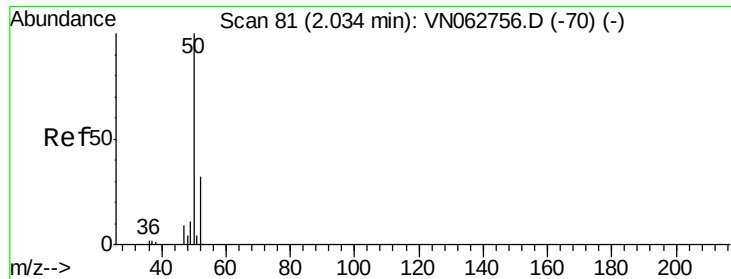
40000

20000

0

Time--> 1.75 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 41.526 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN062796.D

Acq: 10 Aug 2020 9:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 98264

Ion Ratio Lower Upper

50 100

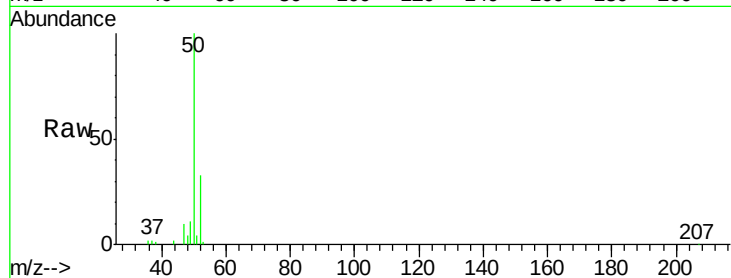
52 33.0 25.6 38.4

Manual Integrations

APPROVED

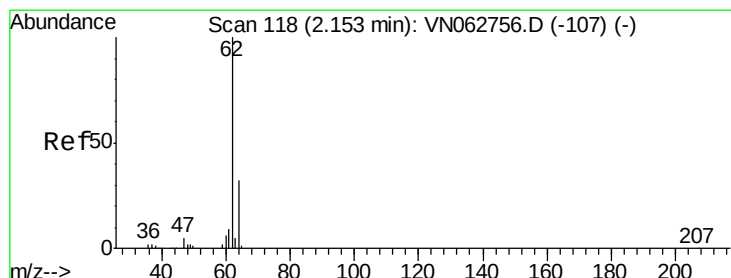
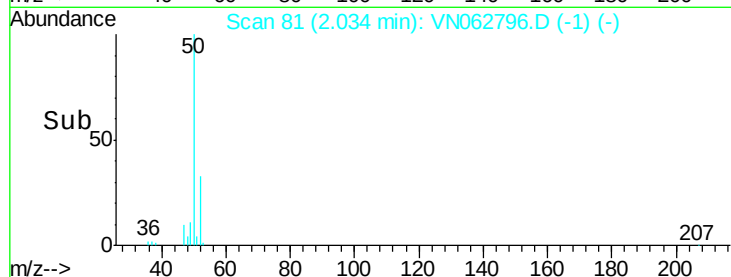
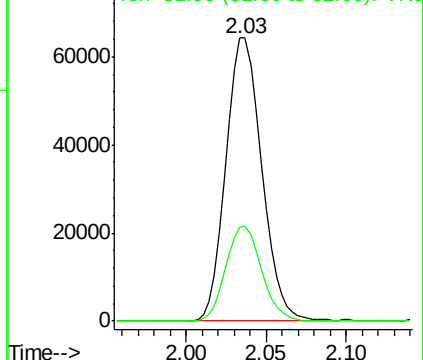
sam

8/11/2020 3:24:39 PM



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 43.273 ug/l

RT: 2.16 min Scan# 119

Delta R.T. 0.00 min

Lab File: VN062796.D

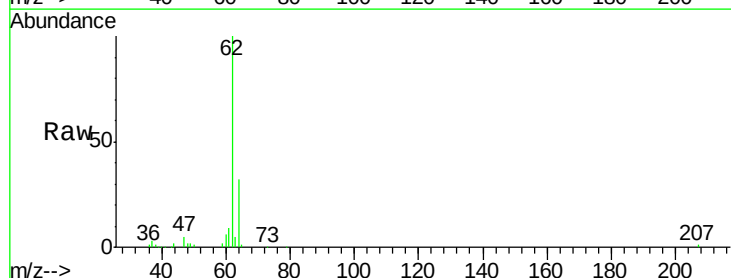
Acq: 10 Aug 2020 9:19

Tgt Ion: 62 Resp: 96041

Ion Ratio Lower Upper

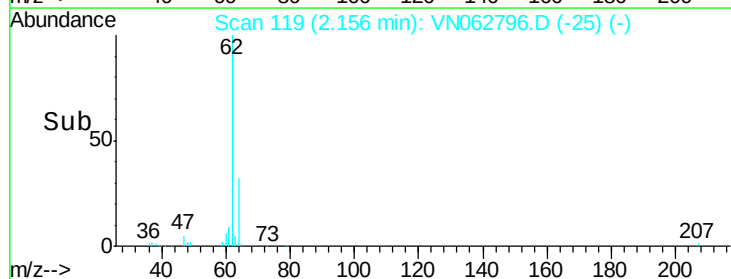
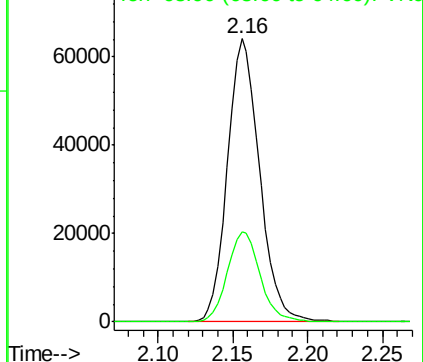
62 100

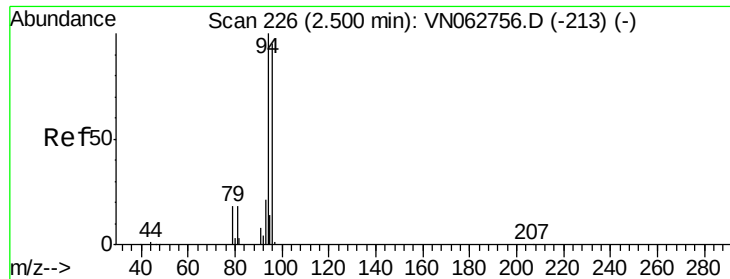
64 31.9 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 49.509 ug/l

RT: 2.51 min Scan# 229

Delta R.T. 0.01 min

Lab File: VN062796.D

Acq: 10 Aug 2020 9:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 72738

Ion Ratio Lower Upper

94 100

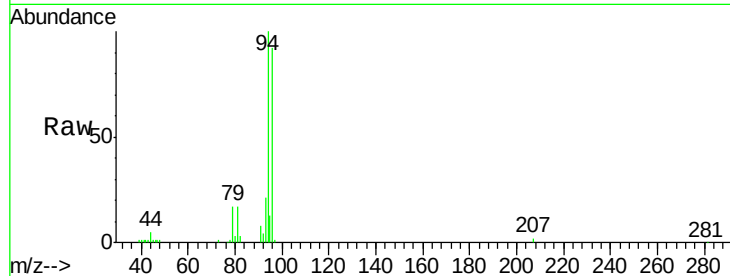
96 92.4 76.2 114.4

Manual Integrations

APPROVED

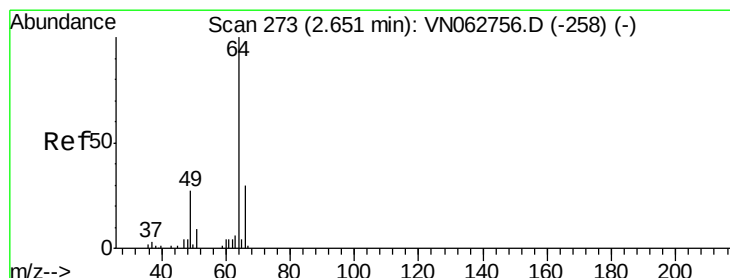
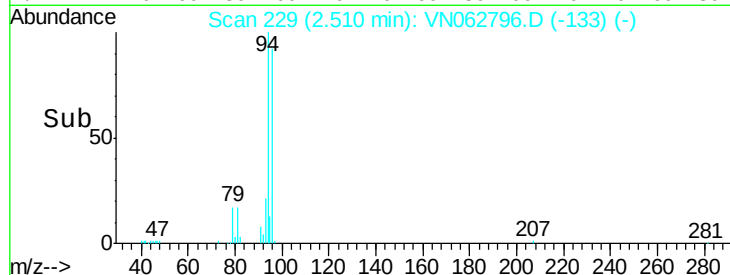
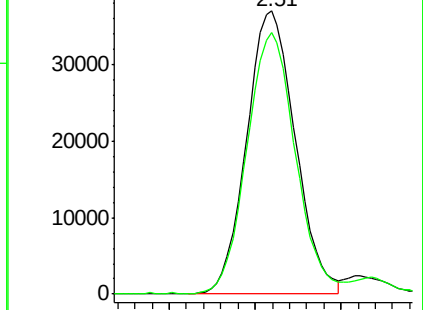
sam

8/11/2020 3:24:39 PM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 51.421 ug/l

RT: 2.66 min Scan# 275

Delta R.T. 0.01 min

Lab File: VN062796.D

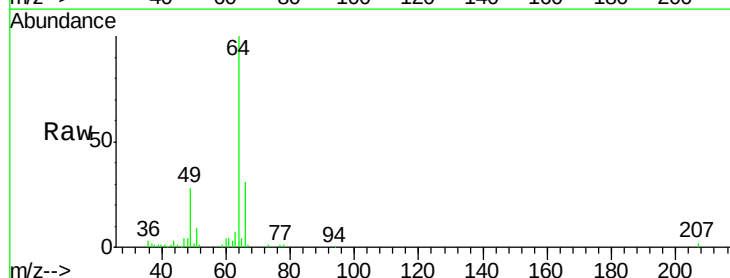
Acq: 10 Aug 2020 9:19

Tgt Ion: 64 Resp: 75080

Ion Ratio Lower Upper

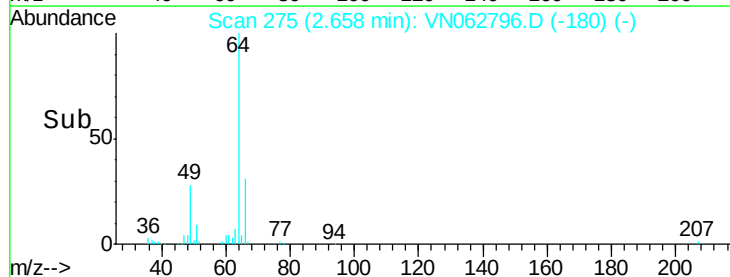
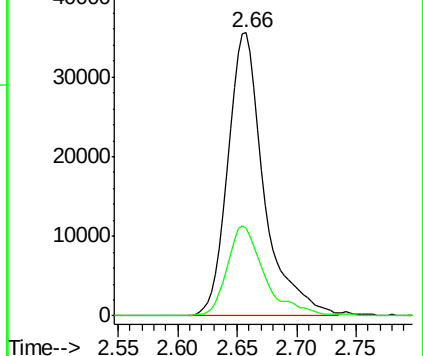
64 100

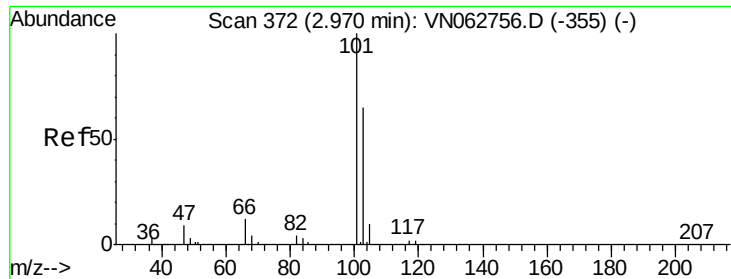
66 30.8 24.0 36.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

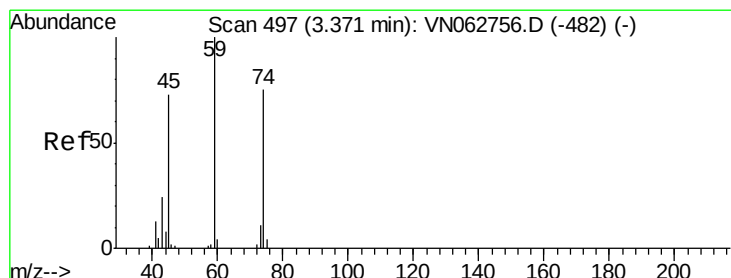
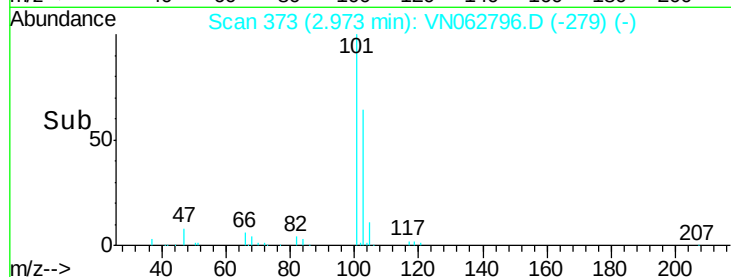
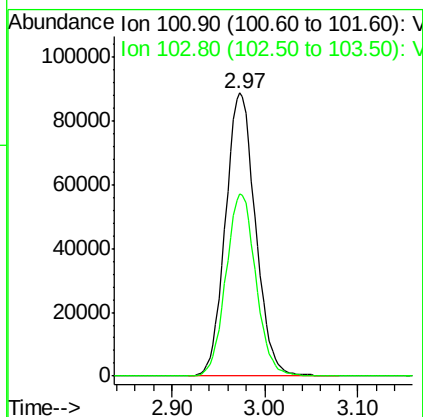
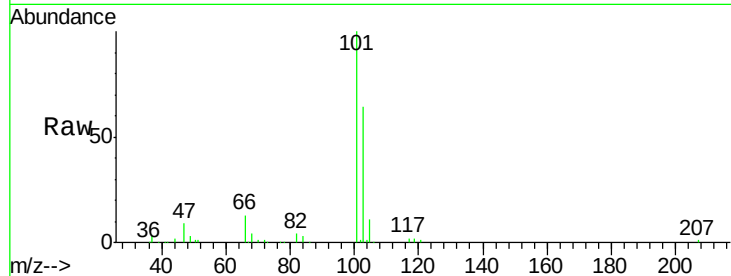
Trichlorofluoromethane
Concen: 50.424 ug/l
RT: 2.97 min Scan# 373
Delta R.T. 0.00 min
Lab File: VN062796.D
Acq: 10 Aug 2020 9:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	199556		
103	64.4	52.3	78.5	

Manual Integrations
APPROVED

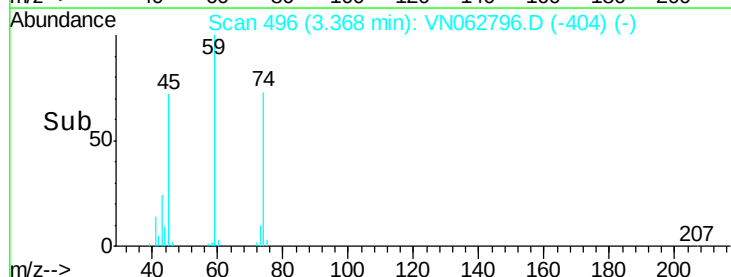
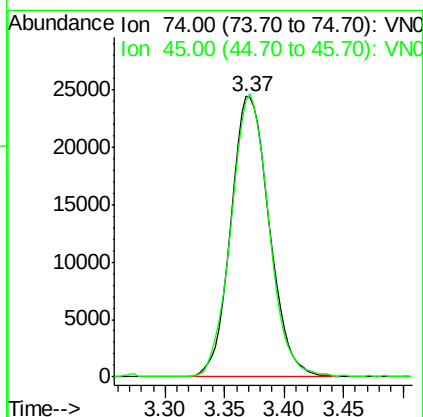
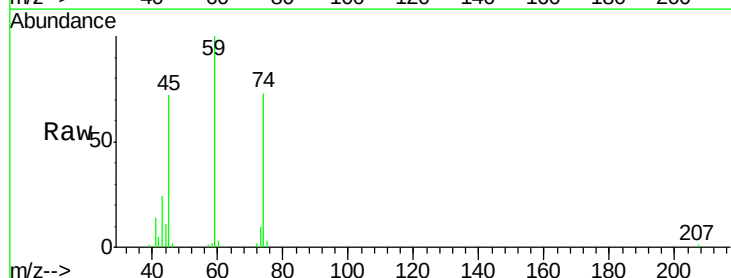
sam
8/11/2020 3:24:39 PM

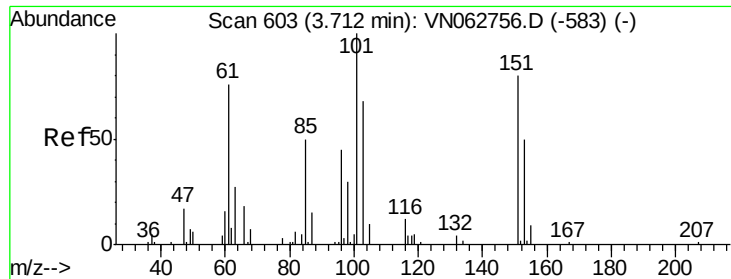


#8

Diethyl Ether
Concen: 48.330 ug/l
RT: 3.37 min Scan# 496
Delta R.T. -0.00 min
Lab File: VN062796.D
Acq: 10 Aug 2020 9:19

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	54755		
45	99.0	48.7	146.1	





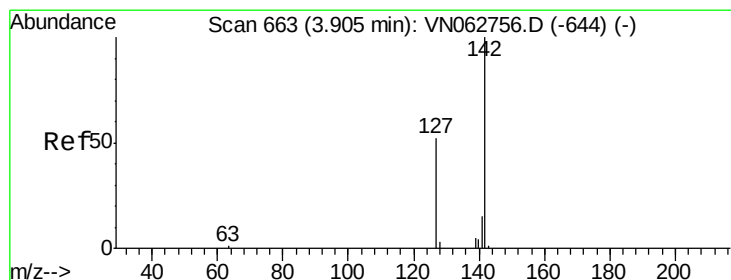
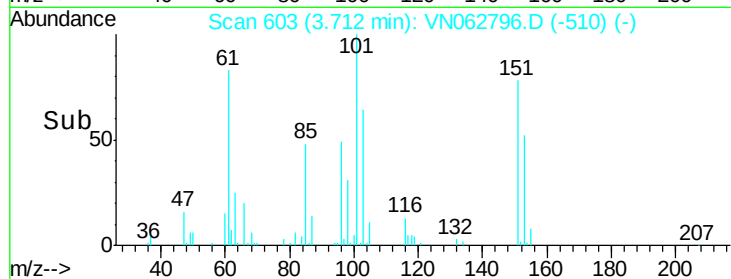
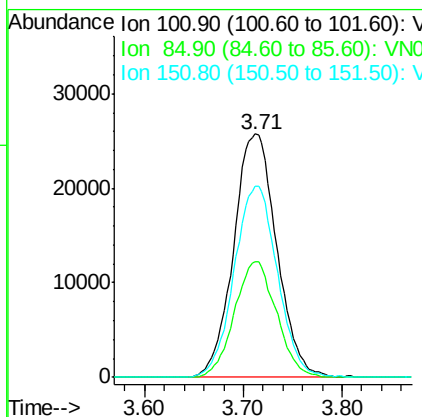
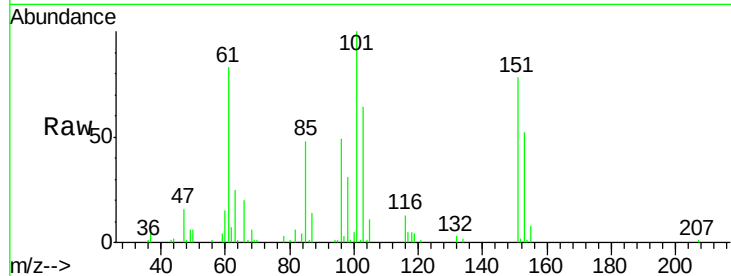
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 48.779 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. 0.00 min
 Lab File: VN062796.D
 Acq: 10 Aug 2020 9:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	77891		
85	46.4	38.5	57.7	
151	78.9	63.0	94.6	

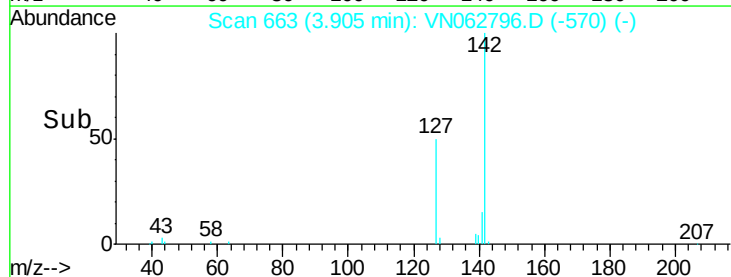
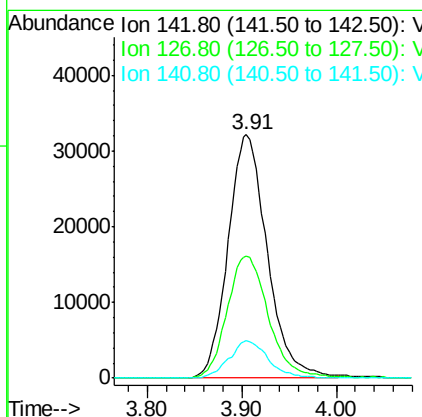
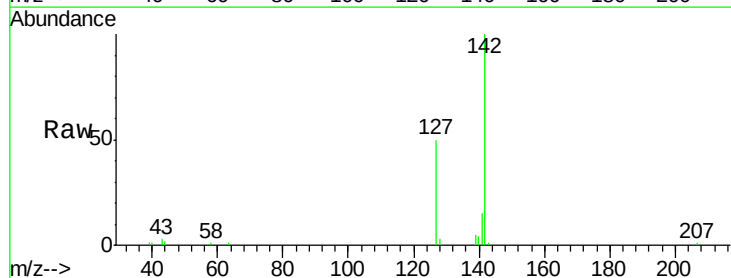
Manual Integrations
 APPROVED

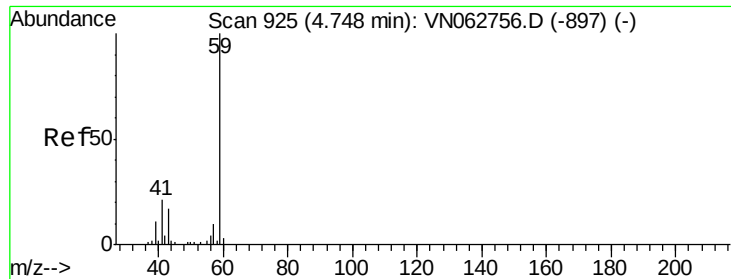
sam
 8/11/2020 3:24:39 PM



#10
 Methyl Iodide
 Concen: 48.330 ug/l
 RT: 3.91 min Scan# 663
 Delta R.T. -0.00 min
 Lab File: VN062796.D
 Acq: 10 Aug 2020 9:19

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	92706		
127	52.6	41.4	62.0	
141	15.2	12.2	18.4	





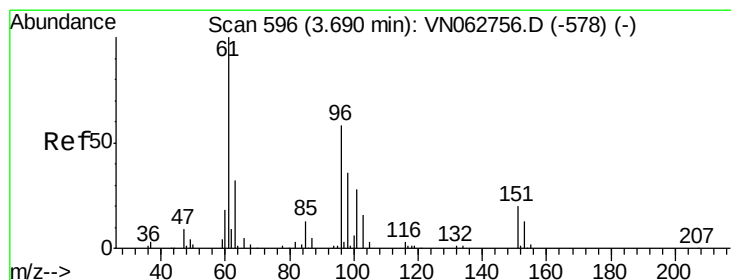
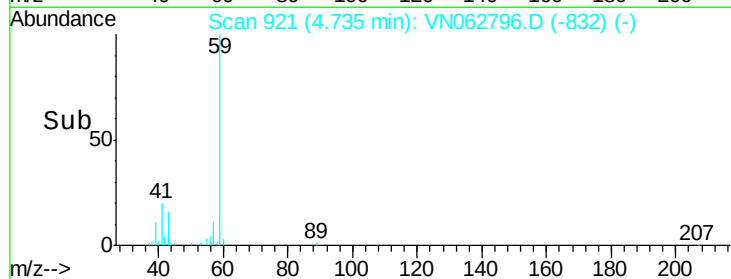
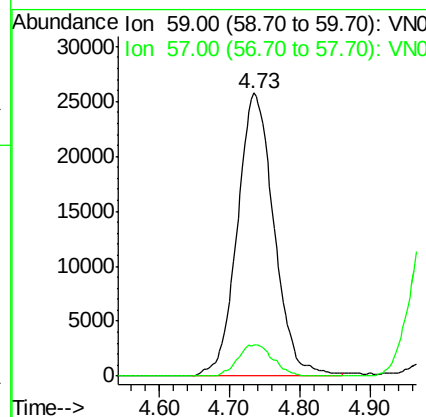
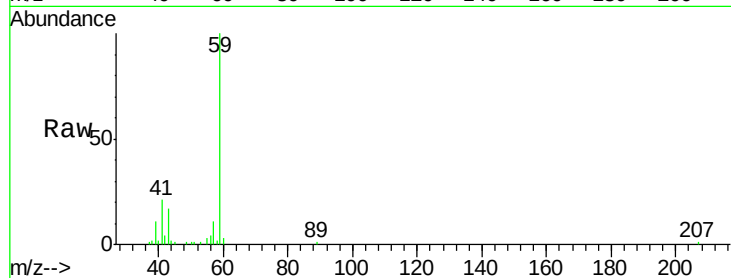
#11
Tert butyl alcohol
Concen: 196.637 ug/l
RT: 4.73 min Scan# 921
Delta R.T. -0.01 min
Lab File: VN062796.D
Acq: 10 Aug 2020 9:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	93328		
57	10.6		8.3	12.5

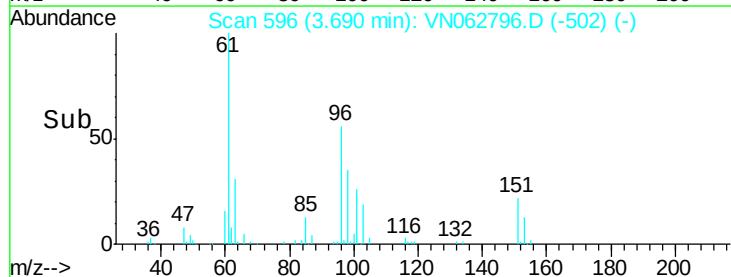
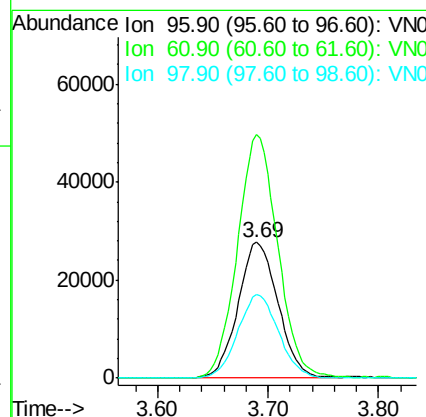
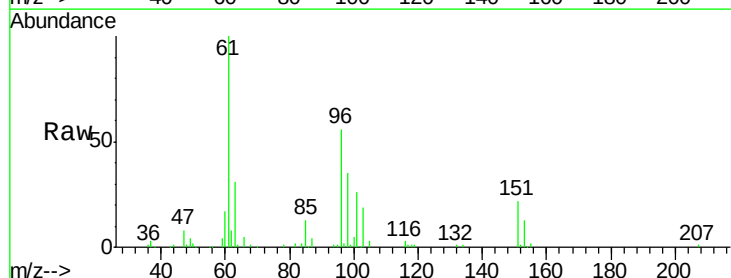
Manual Integrations
APPROVED

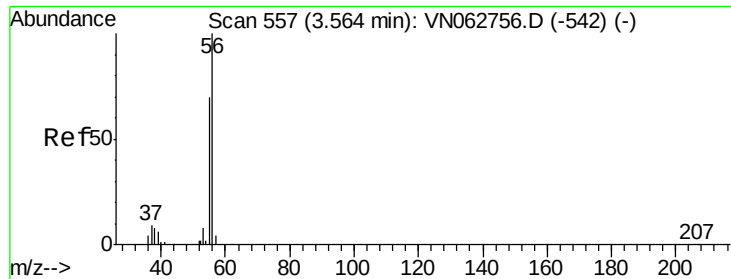
sam
8/11/2020 3:24:39 PM



#12
1,1-Dichloroethene
Concen: 46.790 ug/l
RT: 3.69 min Scan# 596
Delta R.T. 0.00 min
Lab File: VN062796.D
Acq: 10 Aug 2020 9:19

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	69890		
61	179.6		139.0	208.6
98	62.0		50.2	75.4





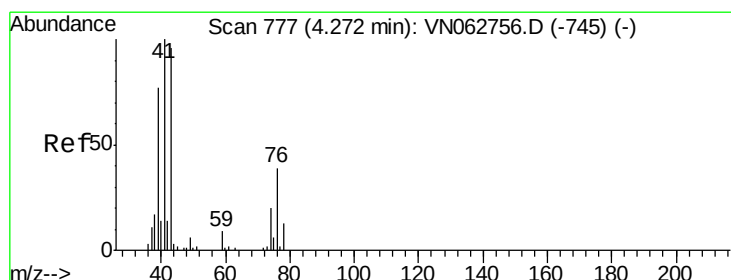
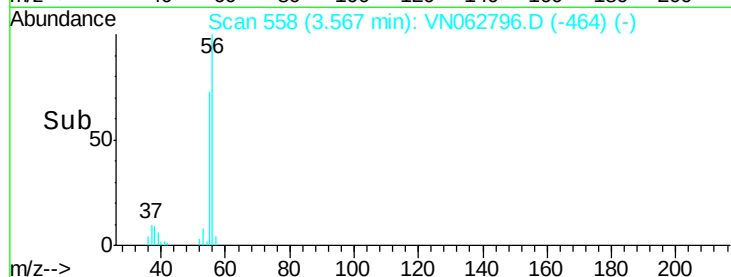
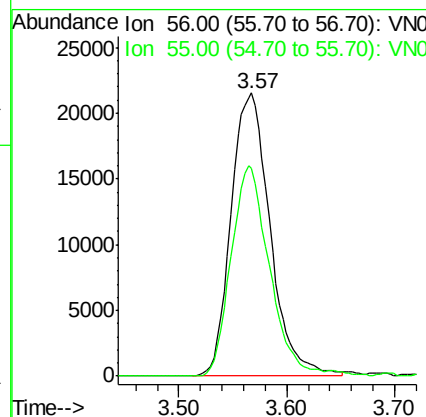
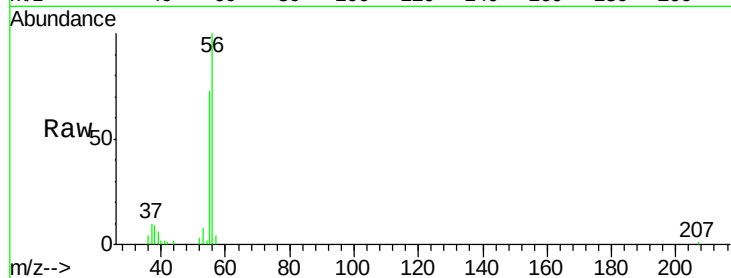
#13
Acrolein
Concen: 189.197 ug/l
RT: 3.57 min Scan# 558
Delta R.T. 0.00 min
Lab File: VN062796.D
Acq: 10 Aug 2020 9:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	54369
Ion Ratio	100	Lower	Upper
56	100		
55	72.5	57.0	85.6

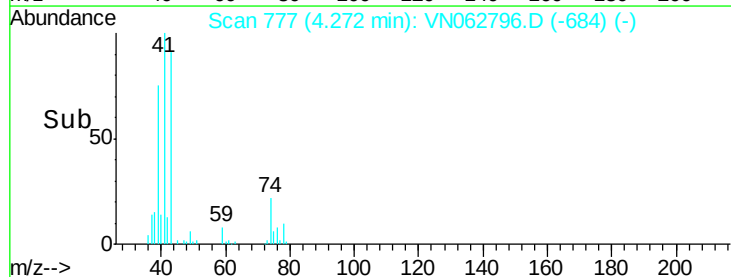
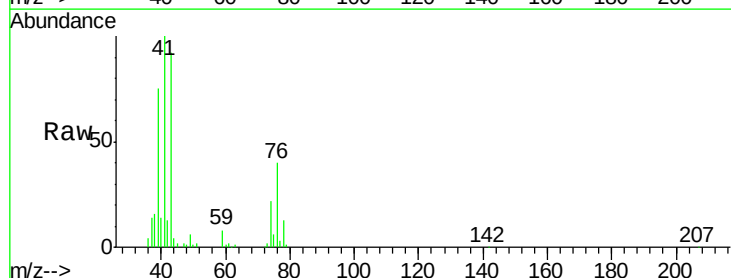
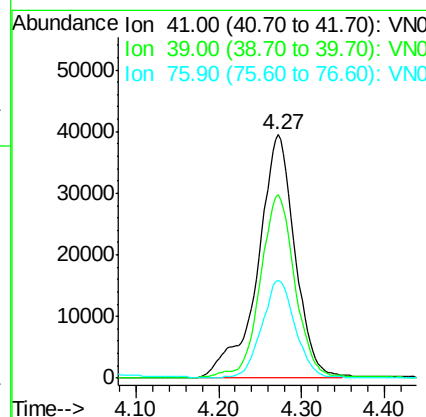
Manual Integrations
APPROVED

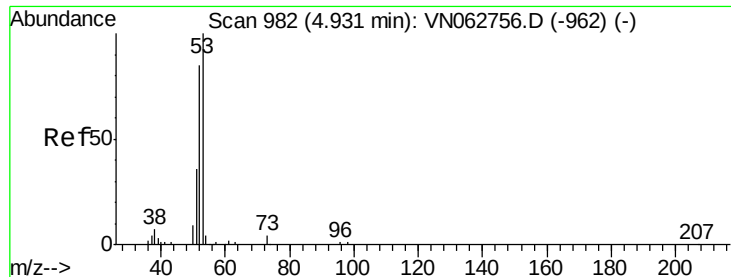
sam
8/11/2020 3:24:39 PM



#14
Allyl chloride
Concen: 40.379 ug/l
RT: 4.27 min Scan# 777
Delta R.T. -0.00 min
Lab File: VN062796.D
Acq: 10 Aug 2020 9:19

Tgt Ion	41	Resp	123796
Ion Ratio	100	Lower	Upper
41	100		
39	70.6	55.7	83.5
76	36.0	27.5	41.3





#15

Acrylonitrile

Concen: 214.062 ug/l

RT: 4.93 min Scan# 981

Delta R.T. -0.00 min

Lab File: VN062796.D

Acq: 10 Aug 2020 9:19

Instrument :

MSVOA_N

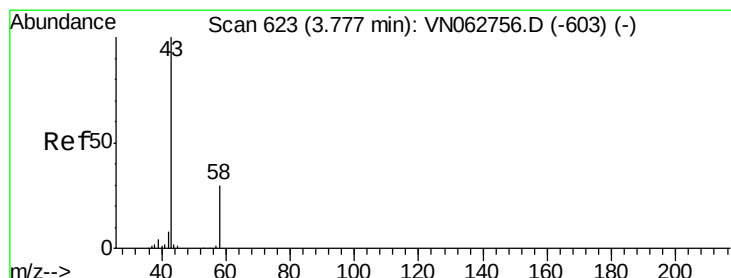
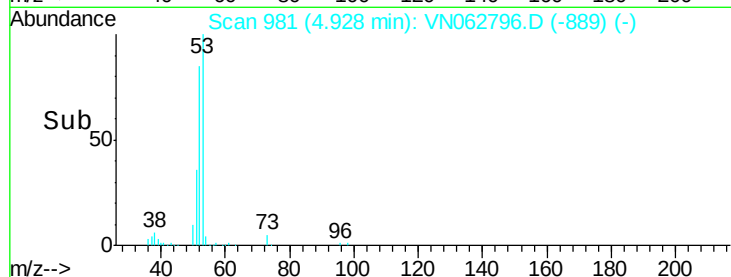
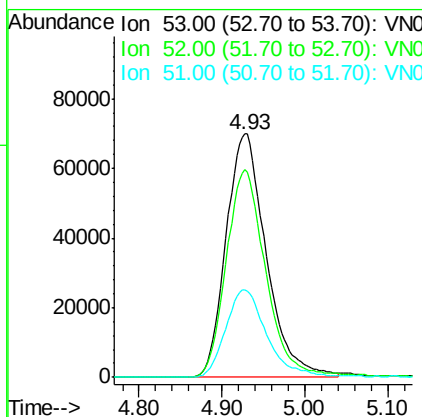
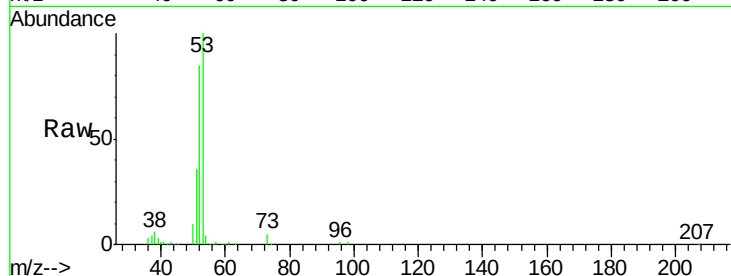
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	235647
Ion Ratio		Lower	Upper
53	100		
52	83.3	66.8	100.2
51	37.0	29.5	44.3

Manual Integrations
APPROVED

sam
8/11/2020 3:24:39 PM



#16

Acetone

Concen: 295.545 ug/l

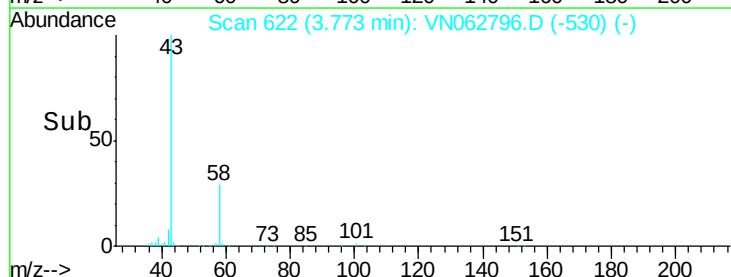
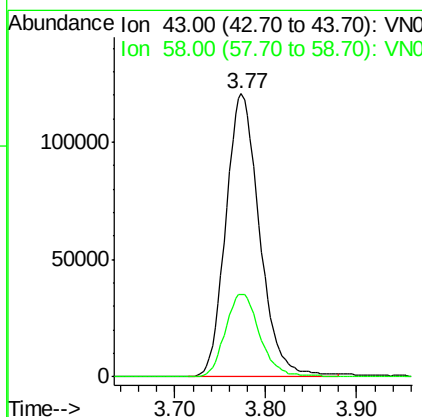
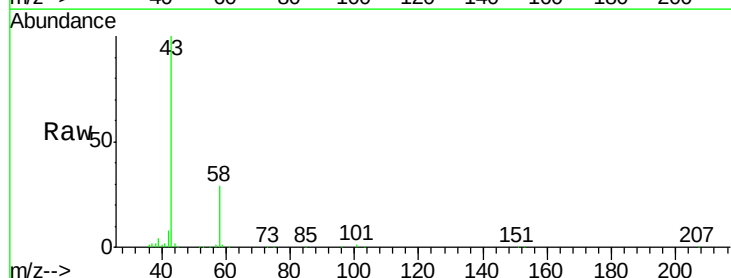
RT: 3.77 min Scan# 622

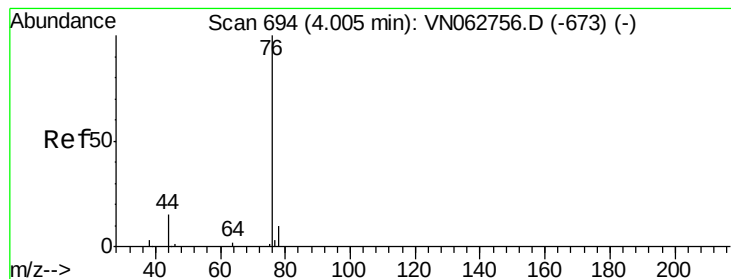
Delta R.T. -0.00 min

Lab File: VN062796.D

Acq: 10 Aug 2020 9:19

Tgt Ion:	43	Resp:	309251
Ion Ratio		Lower	Upper
43	100		
58	29.3	24.1	36.1





#17

Carbon Disulfide

Concen: 43.540 ug/l

RT: 4.00 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN062796.D

Acq: 10 Aug 2020 9:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 184859

Ion Ratio Lower Upper

76 100

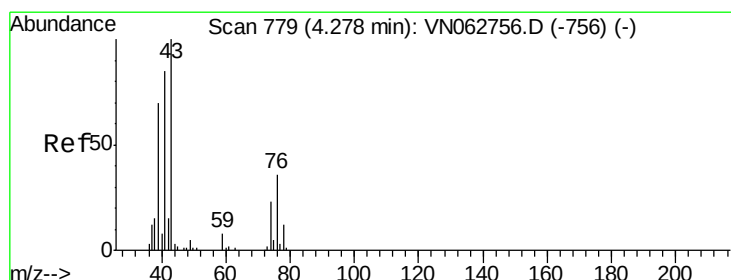
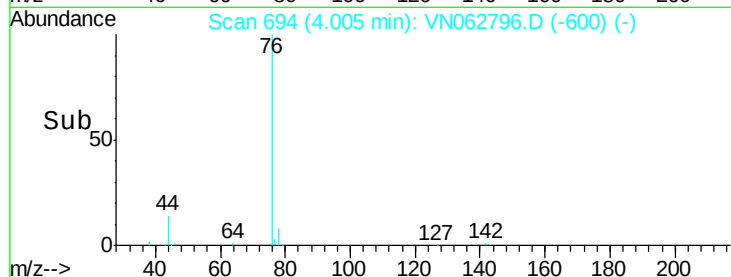
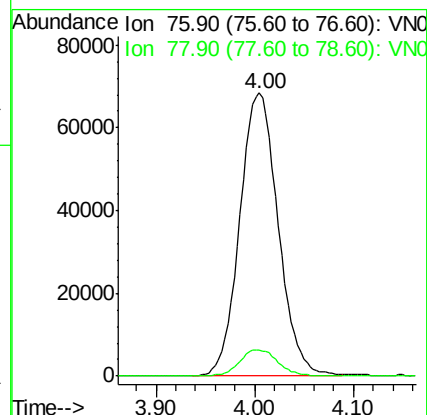
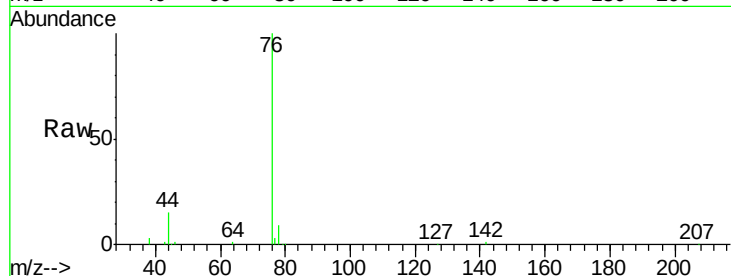
78 9.1 7.7 11.5

Manual Integrations

APPROVED

sam

8/11/2020 3:24:39 PM



#18

Methyl Acetate

Concen: 42.951 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.00 min

Lab File: VN062796.D

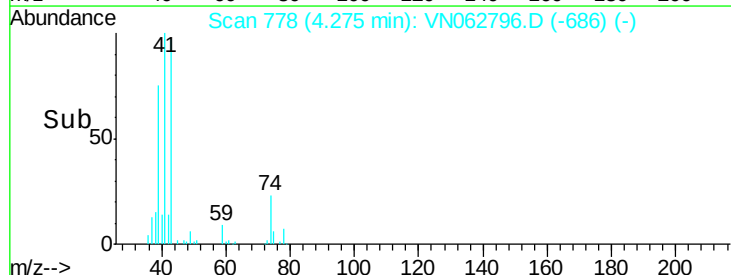
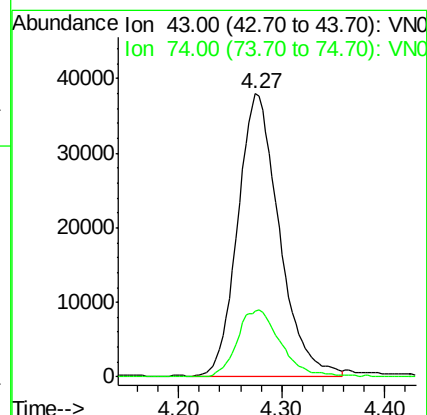
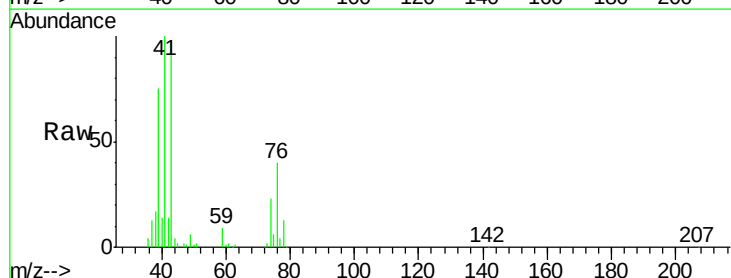
Acq: 10 Aug 2020 9:19

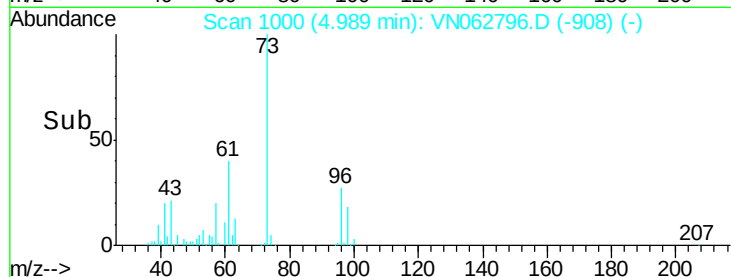
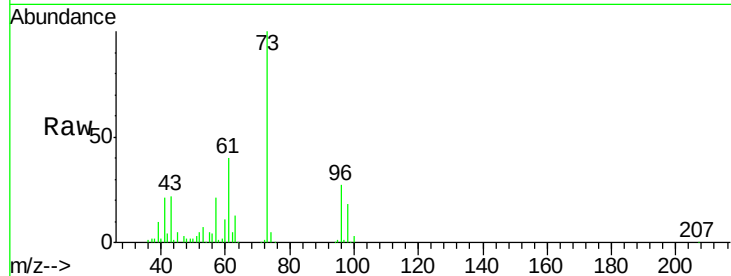
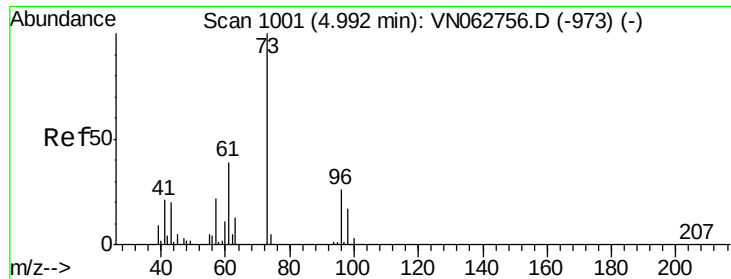
Tgt Ion: 43 Resp: 106693

Ion Ratio Lower Upper

43 100

74 24.8 18.6 28.0





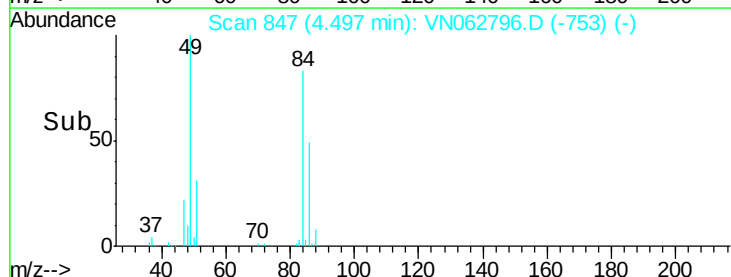
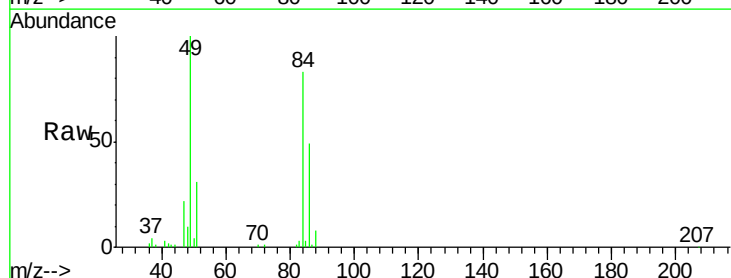
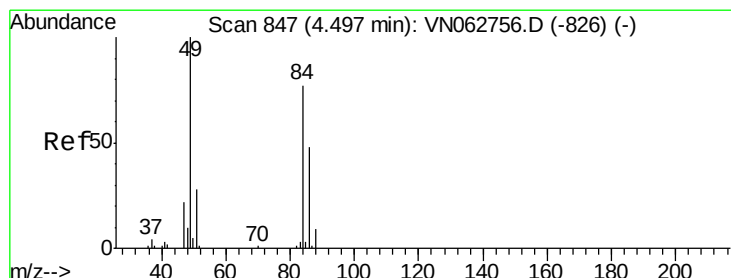
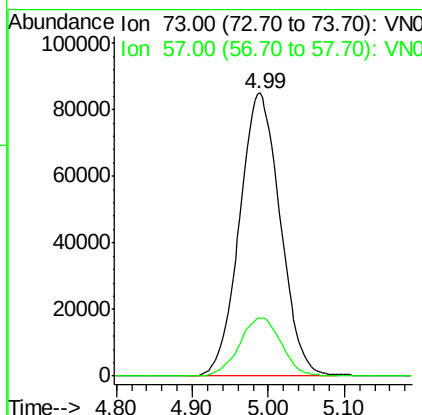
#19
Methyl tert-butyl Ether
Concen: 46.512 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VN062796.D
Acq: 10 Aug 2020 9:19

Tot Ion: 73 Resp: 315562
Ion Ratio Lower Upper
73 100
57 20.5 17.5 26.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

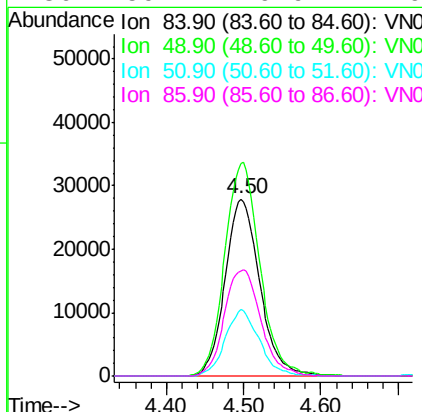
Manual Integrations
APPROVED

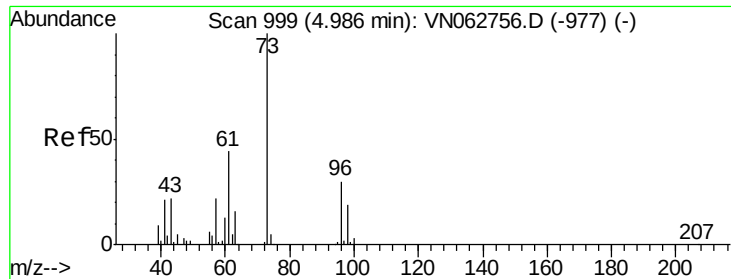
sam
8/11/2020 3:24:39 PM



#20
Methylene Chloride
Concen: 45.331 ug/l
RT: 4.50 min Scan# 847
Delta R.T. 0.00 min
Lab File: VN062796.D
Acq: 10 Aug 2020 9:19

Tgt Ion: 84 Resp: 86941
Ion Ratio Lower Upper
84 100
49 120.3 103.4 155.2
51 37.6 29.3 43.9
86 59.2 49.9 74.9





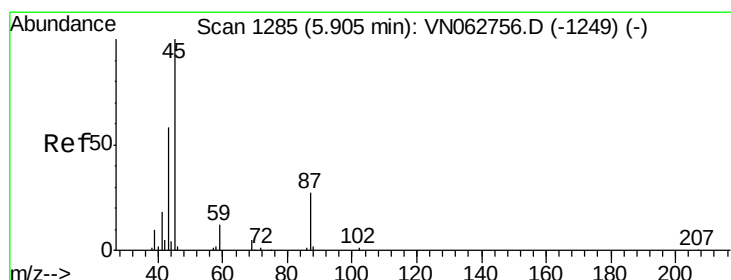
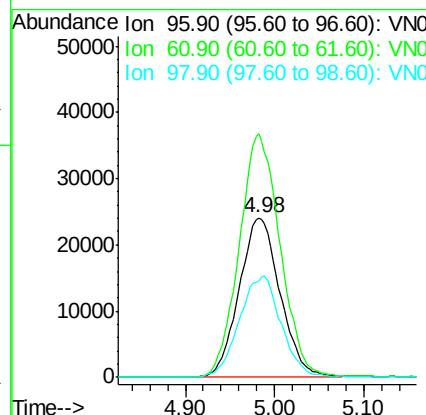
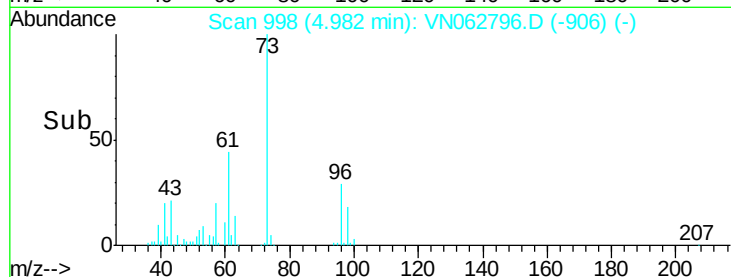
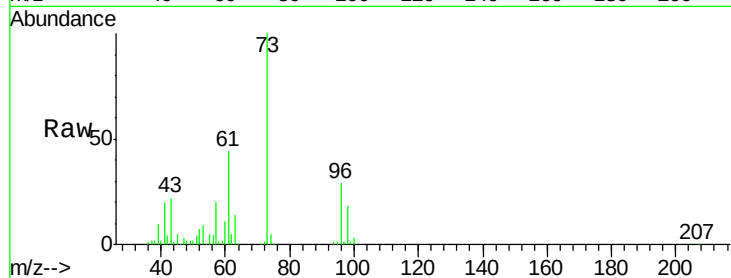
#21
trans-1,2-Dichloroethene
Concen: 43.815 ug/l
RT: 4.98 min Scan# 998
Delta R.T. -0.00 min
Lab File: VN062796.D
Acq: 10 Aug 2020 9:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	152.9	118.8	178.2
98	60.4	51.0	76.4

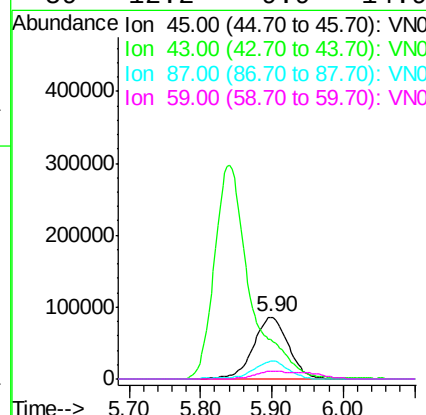
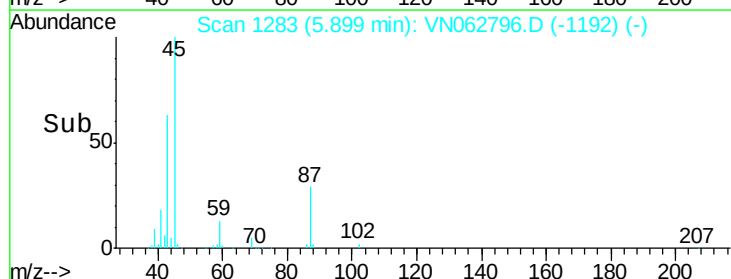
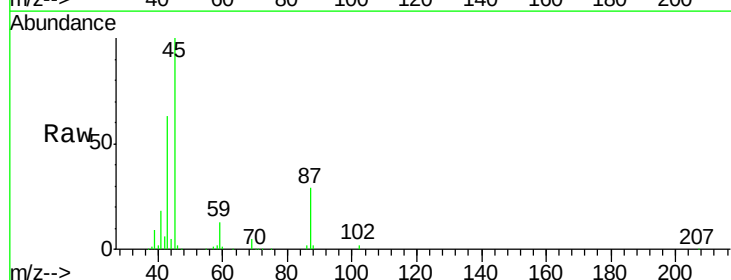
Manual Integrations
APPROVED

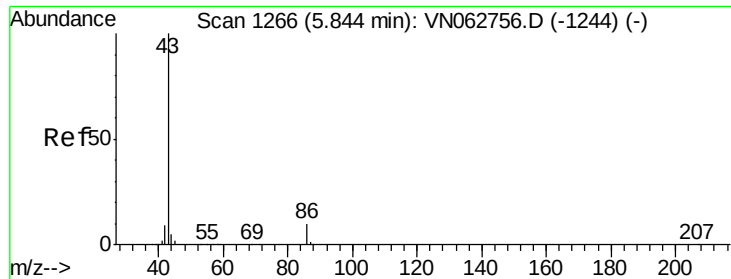
sam
8/11/2020 3:24:39 PM



#22
Diisopropyl ether
Concen: 44.799 ug/l
RT: 5.90 min Scan# 1283
Delta R.T. -0.01 min
Lab File: VN062796.D
Acq: 10 Aug 2020 9:19

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.4	47.4	71.2
87	28.7	22.8	34.2
59	12.2	9.9	14.9





#23

Vinyl Acetate

Concen: 207.558 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VN062796.D

Acq: 10 Aug 2020 9:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1030370

Ion Ratio Lower Upper

43 100

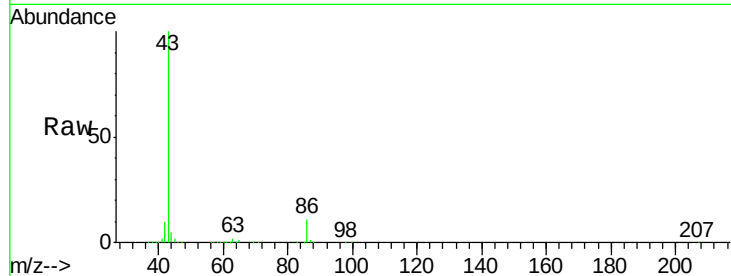
86 10.5 7.7 11.5

Manual Integrations

APPROVED

sam

8/11/2020 3:24:39 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.84

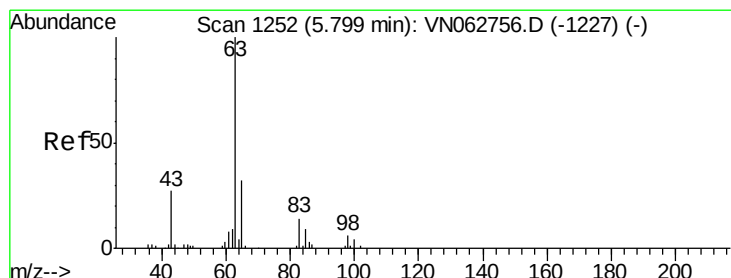
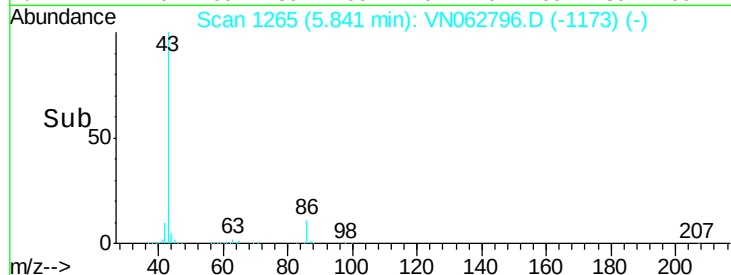
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 43.139 ug/l

RT: 5.79 min Scan# 1250

Delta R.T. -0.01 min

Lab File: VN062796.D

Acq: 10 Aug 2020 9:19

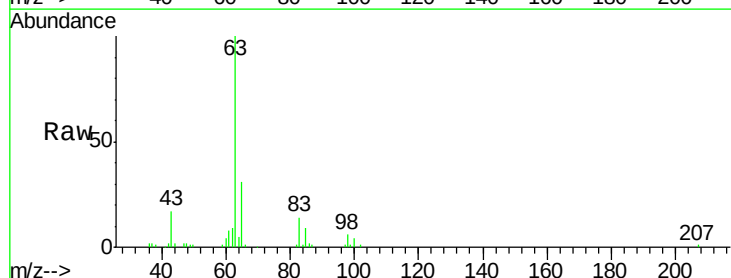
Tgt Ion: 63 Resp: 164995

Ion Ratio Lower Upper

63 100

98 5.9 3.0 9.2

100 3.6 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

5.79

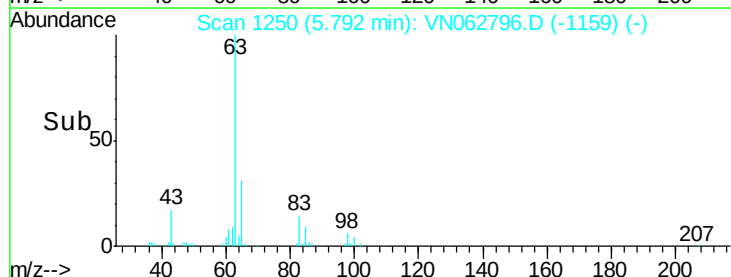
60000

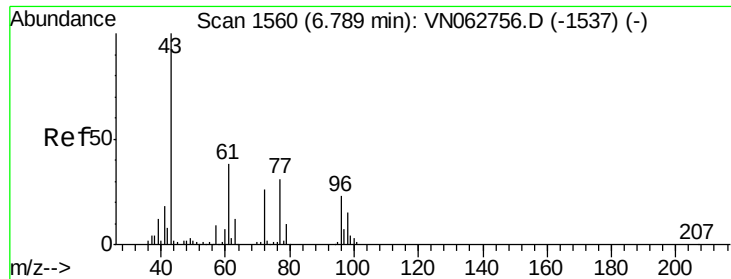
40000

20000

0

Time-->





#25

2-Butanone

Concen: 237.086 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. -0.01 min

Lab File: VN062796.D

Acq: 10 Aug 2020 9:19

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 351359

Ion Ratio Lower Upper

43 100

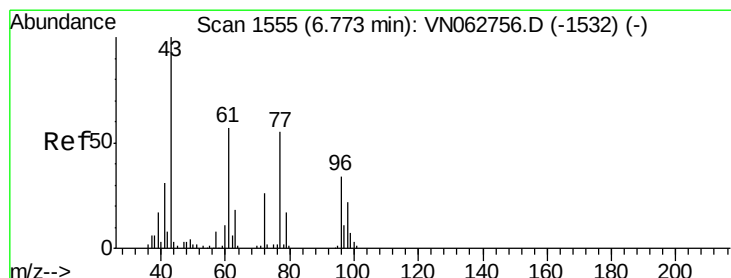
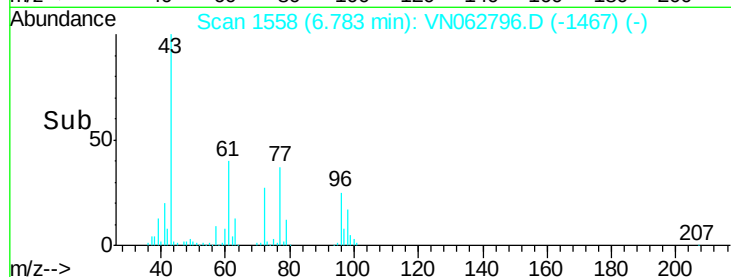
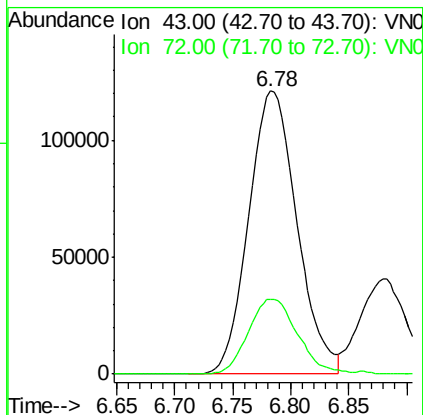
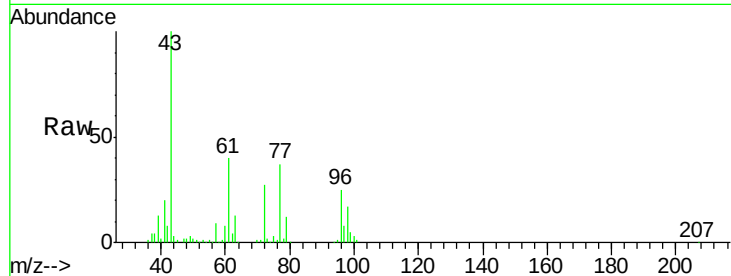
72 26.6 21.1 31.7

Manual Integrations

APPROVED

sam

8/11/2020 3:24:39 PM



#26

2,2-Dichloropropane

Concen: 46.333 ug/l

RT: 6.77 min Scan# 1555

Delta R.T. -0.00 min

Lab File: VN062796.D

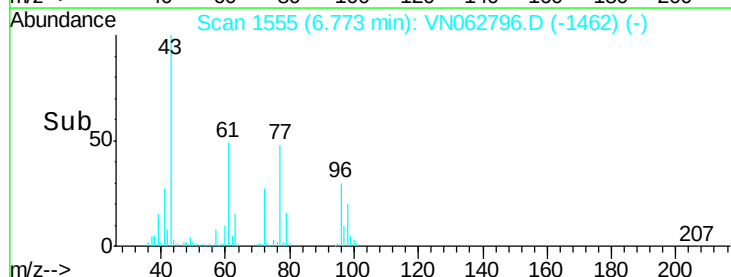
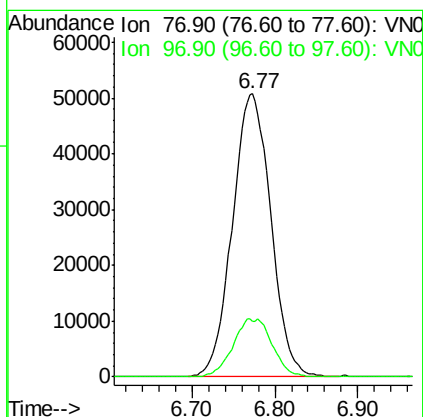
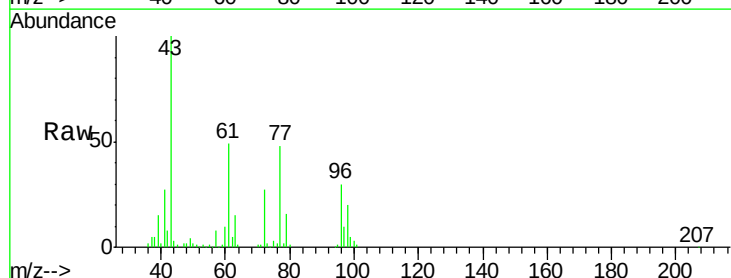
Acq: 10 Aug 2020 9:19

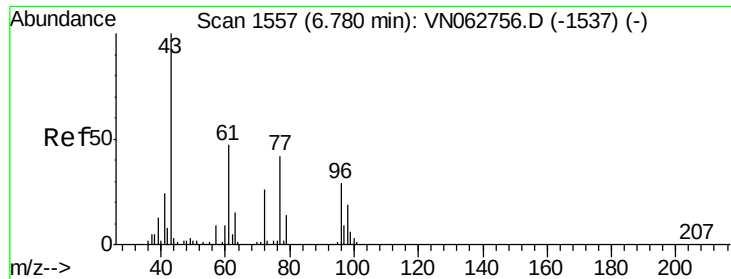
Tgt Ion: 77 Resp: 163352

Ion Ratio Lower Upper

77 100

97 20.9 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 44.156 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. -0.00 min

Lab File: VN062796.D

Acq: 10 Aug 2020 9:19

Instrument :

MSVOA_N

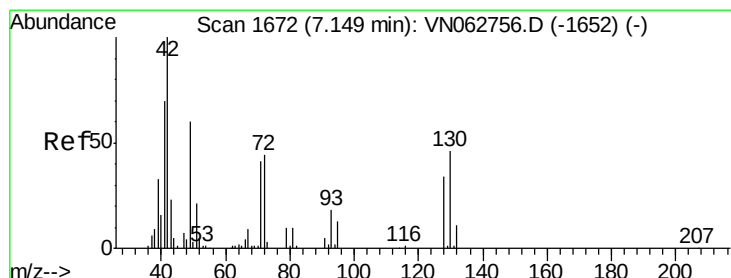
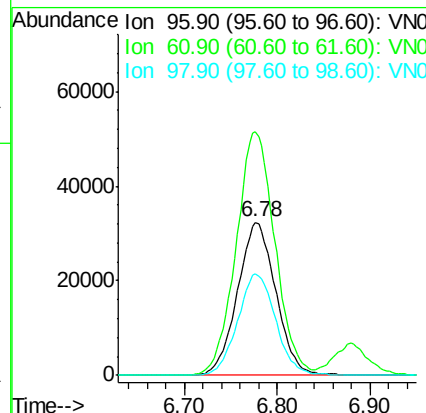
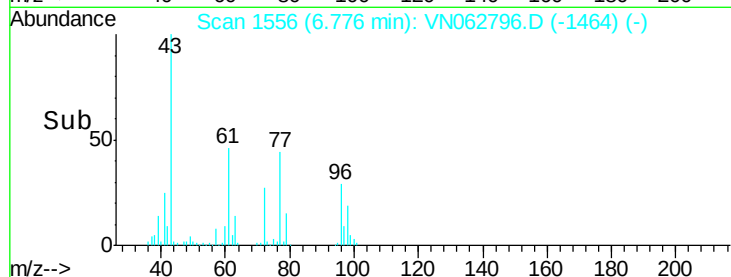
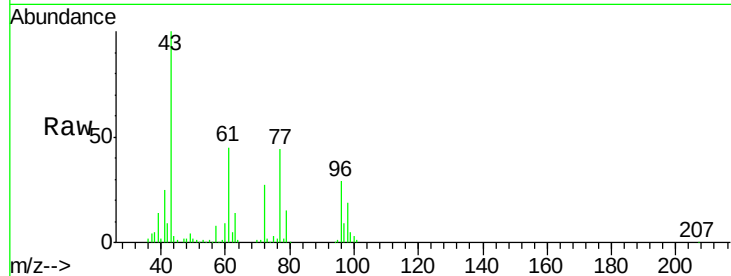
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	92822
Ion Ratio	Lower	Upper	
96	100		
61	160.8	0.0	332.2
98	65.6	0.0	129.4

Manual Integrations
APPROVED

sam
8/11/2020 3:24:39 PM



#28

Bromochloromethane

Concen: 43.284 ug/l

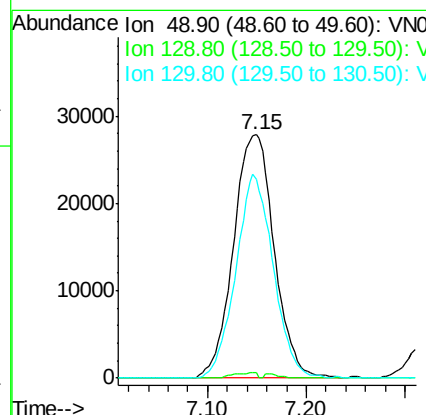
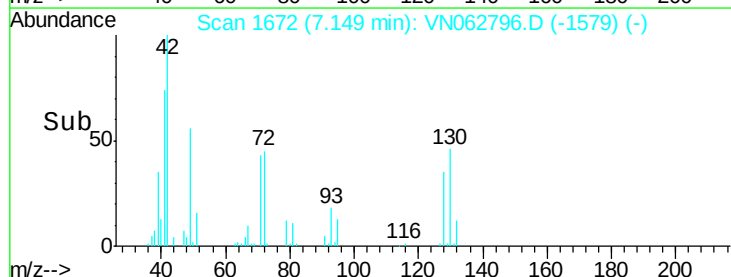
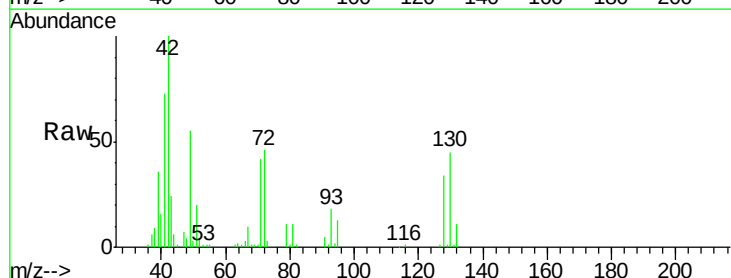
RT: 7.15 min Scan# 1672

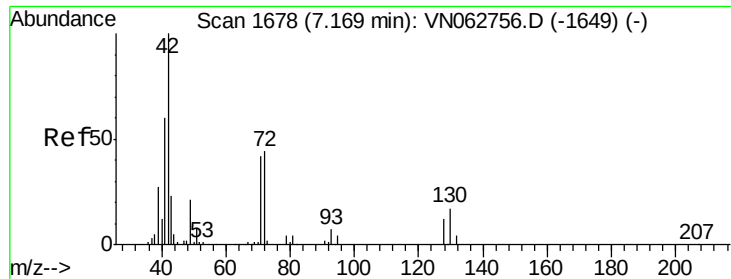
Delta R.T. -0.00 min

Lab File: VN062796.D

Acq: 10 Aug 2020 9:19

Tgt Ion:	49	Resp:	79898
Ion Ratio	Lower	Upper	
49	100		
129	1.3	0.0	3.2
130	76.9	59.0	88.6





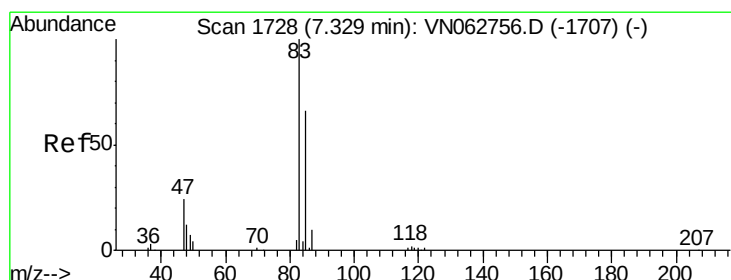
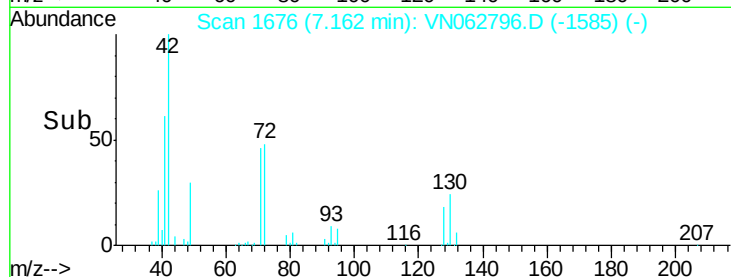
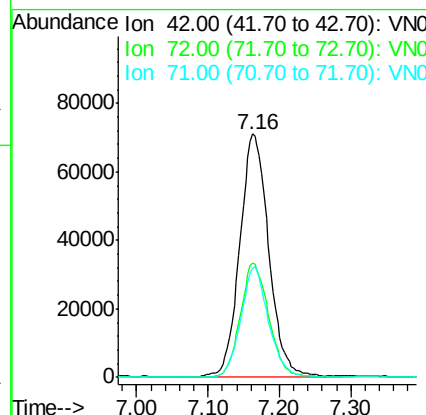
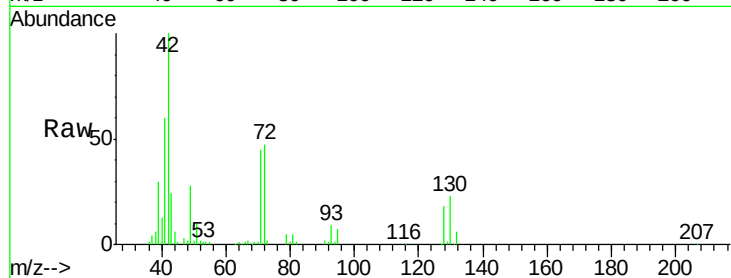
#29
Tetrahydrofuran
Concen: 210.689 ug/l
RT: 7.16 min Scan# 1676
Delta R.T. -0.01 min
Lab File: VN062796.D
Acq: 10 Aug 2020 9:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.8	35.0	52.4
71	43.0	33.2	49.8

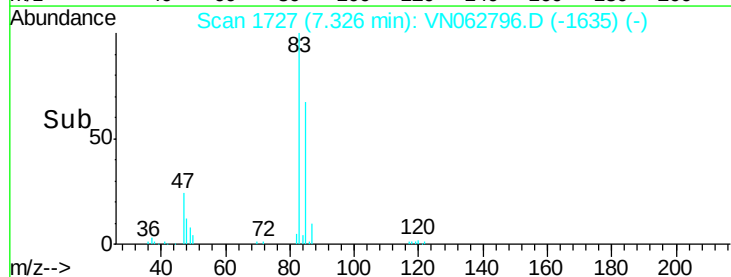
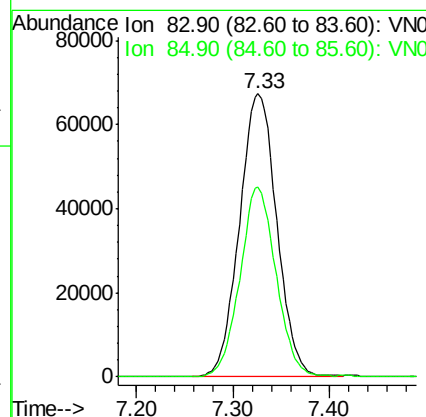
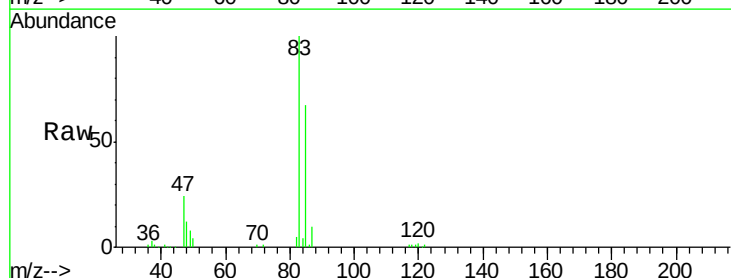
Manual Integrations
APPROVED

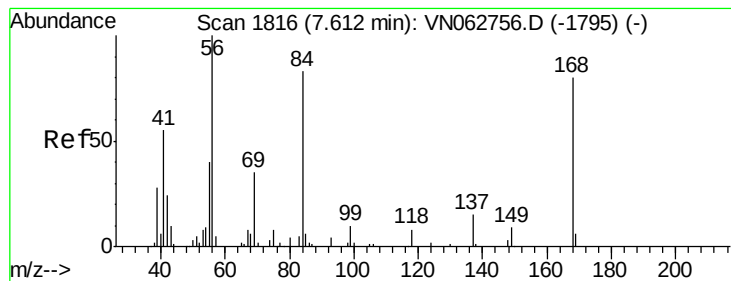
sam
8/11/2020 3:24:39 PM



#30
Chloroform
Concen: 44.460 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN062796.D
Acq: 10 Aug 2020 9:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.0	52.7	79.1





#31

Cyclohexane

Concen: 43.277 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VN062796.D

Acq: 10 Aug 2020 9:19

Instrument :

MSVOA_N

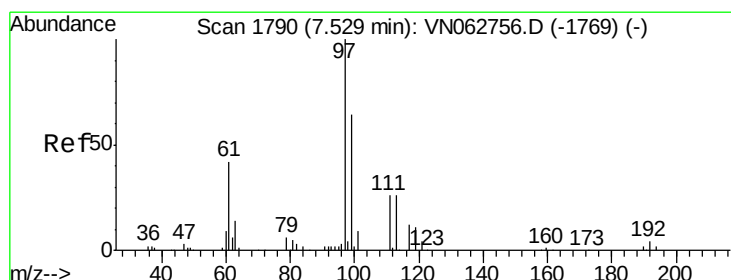
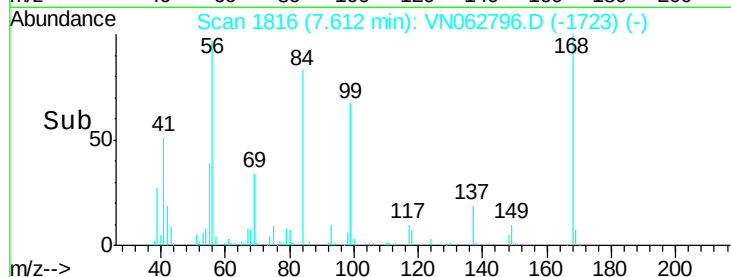
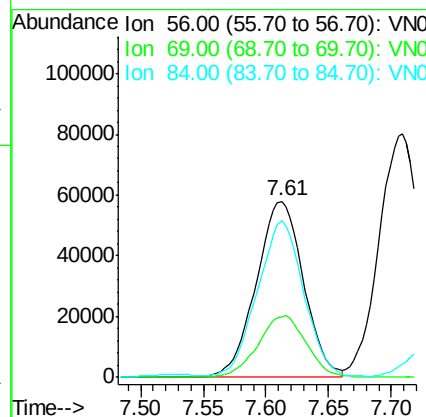
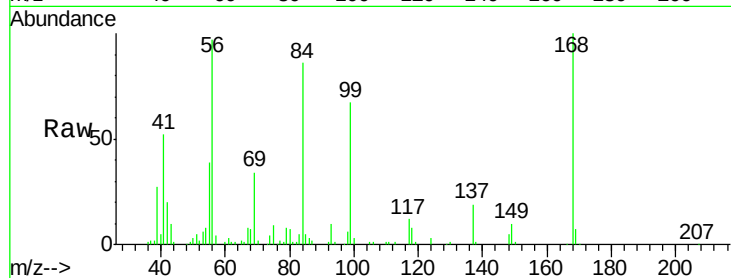
ClientSampled :

VSTDCCC050

Tot Ion:	56	Resp:	151943
Ion Ratio	Lower	Upper	
56	100		
69	34.3	28.1	42.1
84	87.7	66.8	100.2

Manual Integrations
APPROVED

sam
8/11/2020 3:24:39 PM



#32

1,1,1-Trichloroethane

Concen: 44.995 ug/l

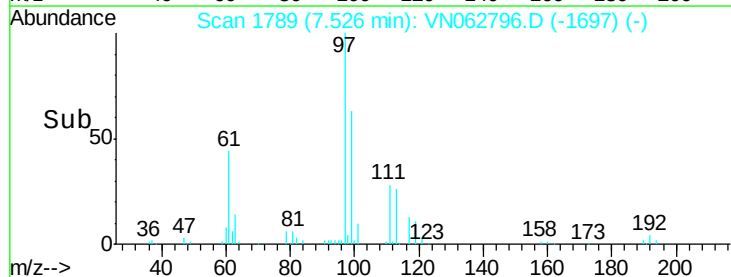
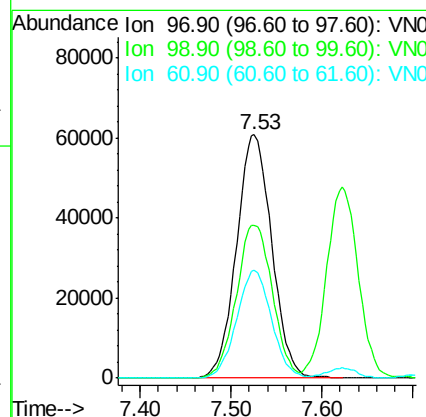
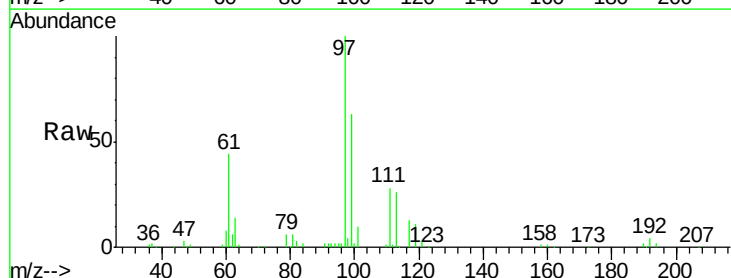
RT: 7.53 min Scan# 1789

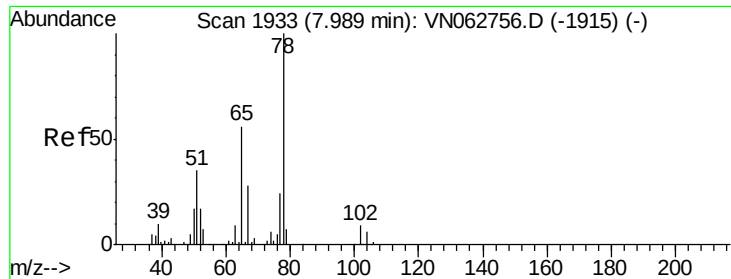
Delta R.T. -0.00 min

Lab File: VN062796.D

Acq: 10 Aug 2020 9:19

Tgt Ion:	97	Resp:	163519
Ion Ratio	Lower	Upper	
97	100		
99	64.4	50.0	75.0
61	43.7	34.8	52.2





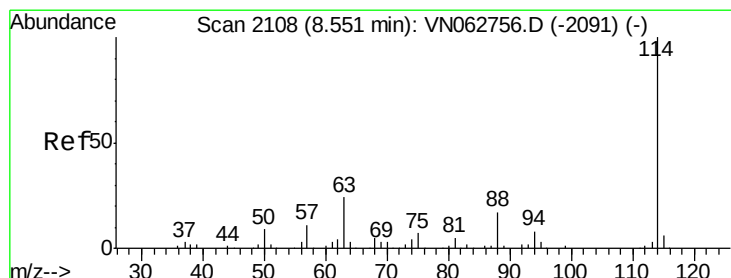
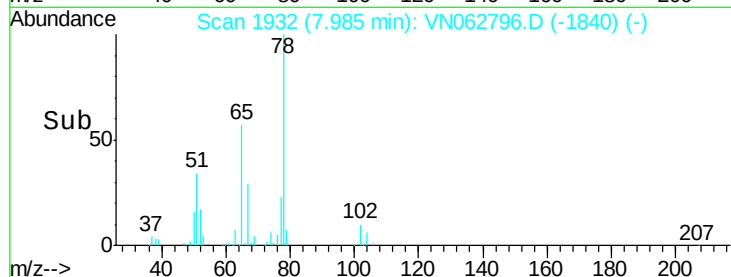
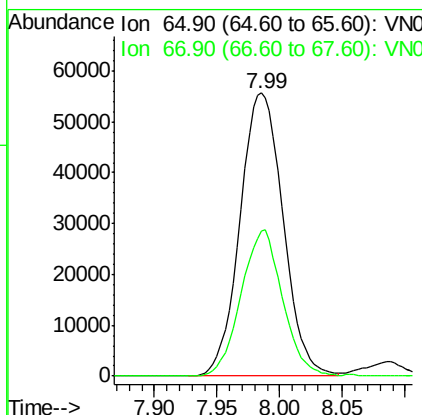
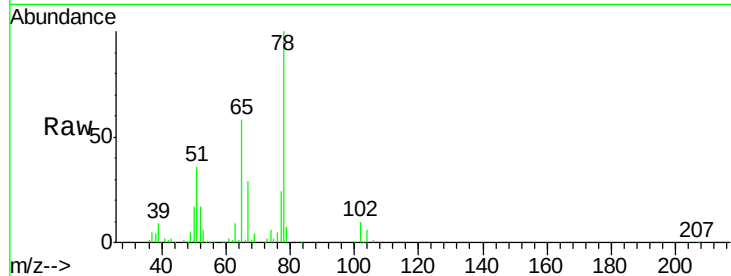
#33
 1,2-Dichloroethane-d4
 Concen: 46.047 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN062796.D
 Acq: 10 Aug 2020 9:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	133345		
67	49.6	0.0	101.4	

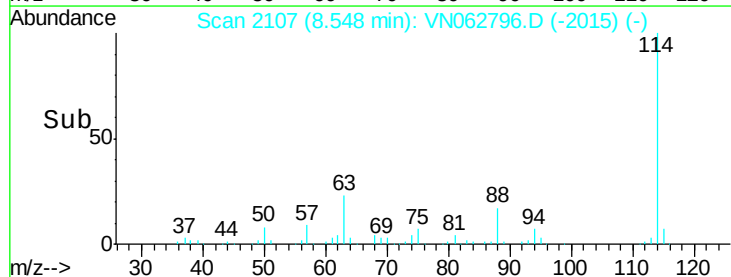
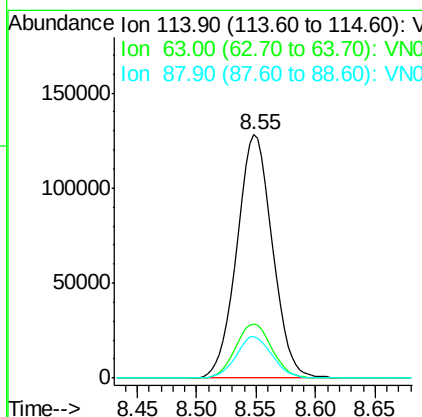
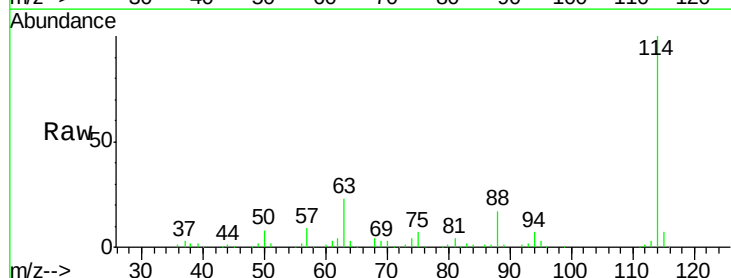
Manual Integrations
 APPROVED

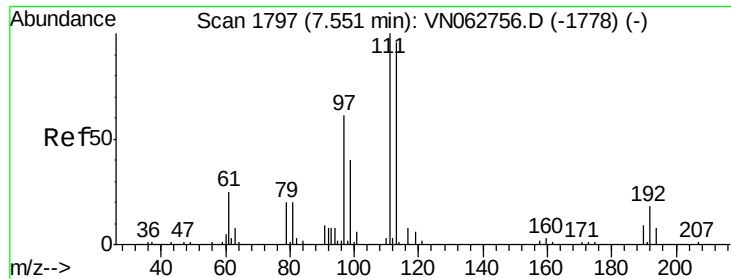
Sam
 8/11/2020 3:24:39 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN062796.D
 Acq: 10 Aug 2020 9:19

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	265389		
63	22.5	0.0	47.6	
88	17.0	0.0	34.4	





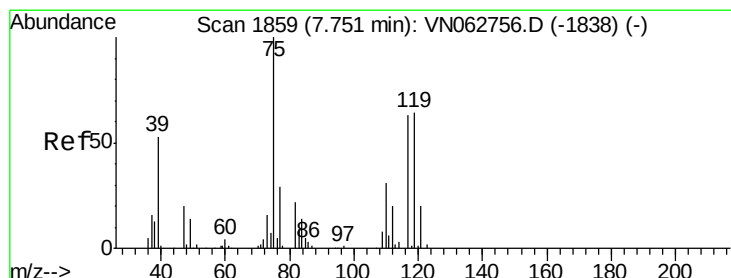
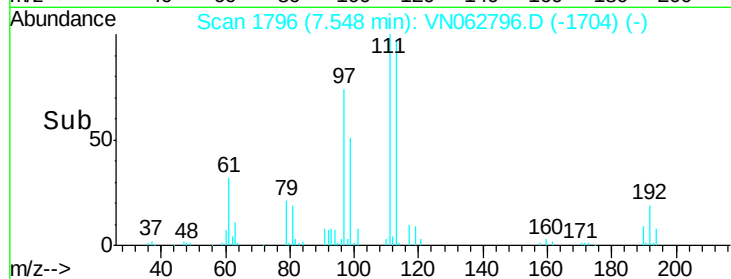
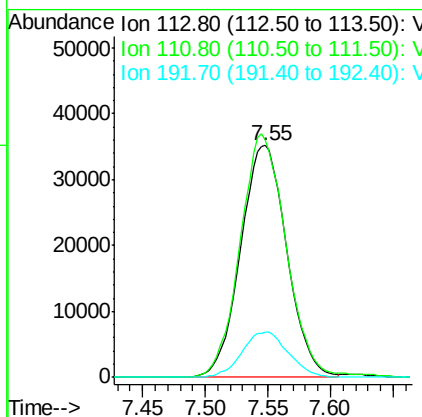
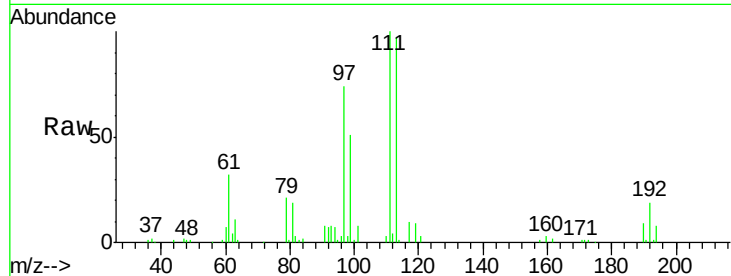
#35
 Dibromofluoromethane
 Concen: 49.699 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062796.D
 Acq: 10 Aug 2020 9:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	90224		
111	105.2	81.8	122.6	
192	19.5	15.0	22.4	

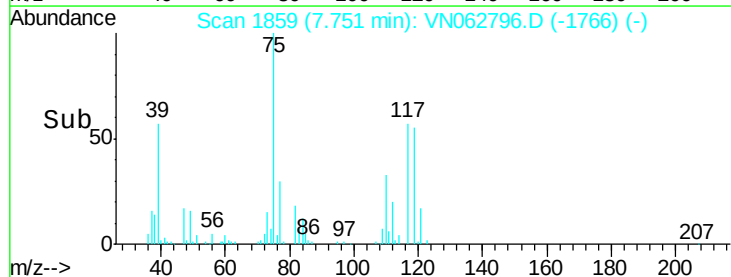
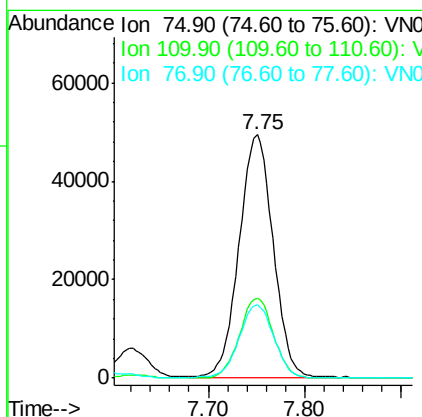
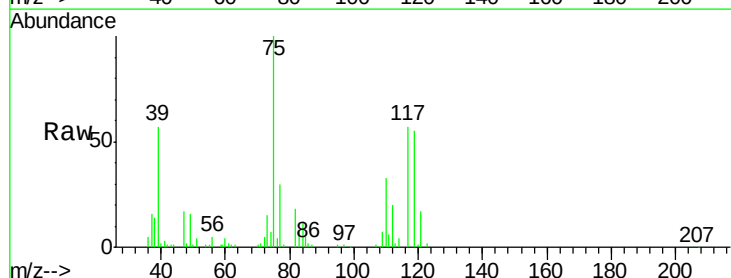
Manual Integrations
 APPROVED

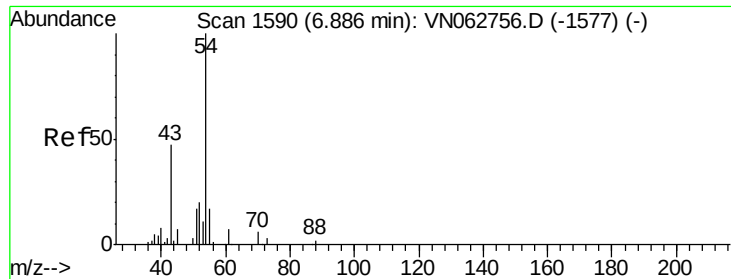
sam
 8/11/2020 3:24:39 PM



#36
 1,1-Dichloropropene
 Concen: 46.636 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN062796.D
 Acq: 10 Aug 2020 9:19

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	120513		
110	32.9	15.6	46.7	
77	30.9	24.1	36.1	





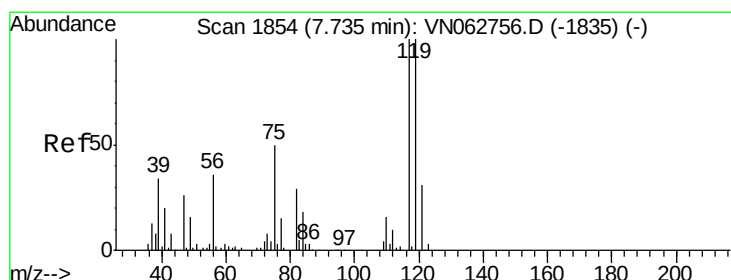
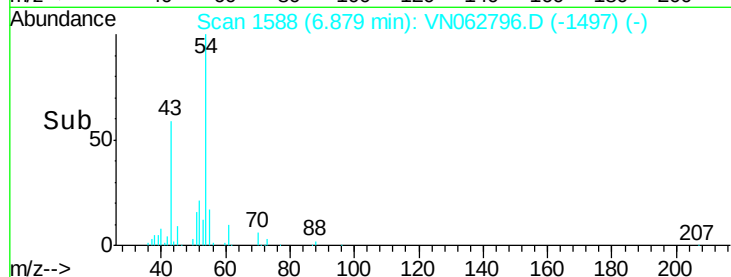
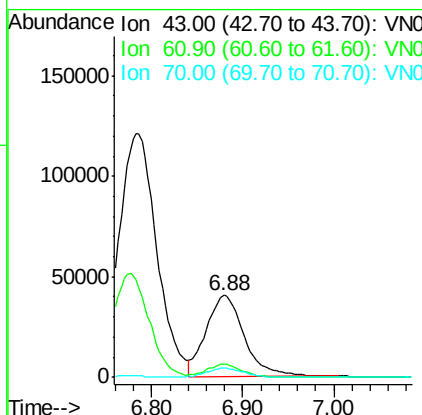
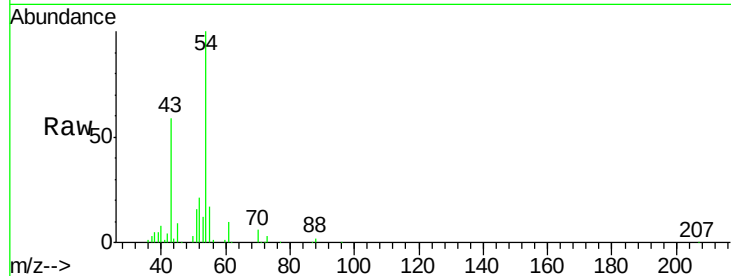
#37
Ethyl Acetate
Concen: 43.802 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. -0.01 min
Lab File: VN062796.D
Acq: 10 Aug 2020 9:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	118238
Ion Ratio	100	Lower	Upper
43	100		
61	14.5	12.1	18.1
70	10.7	8.3	12.5

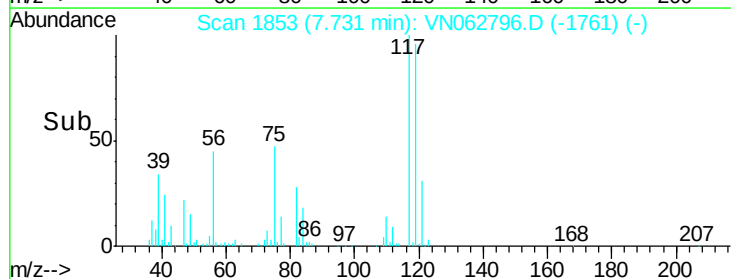
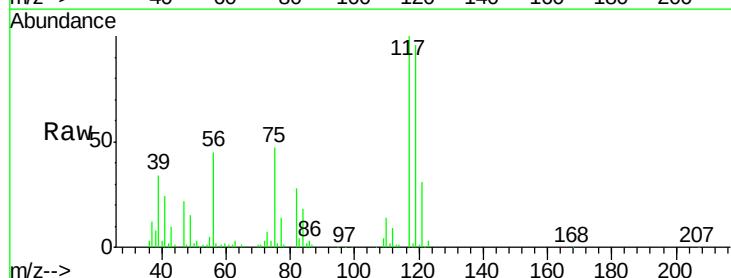
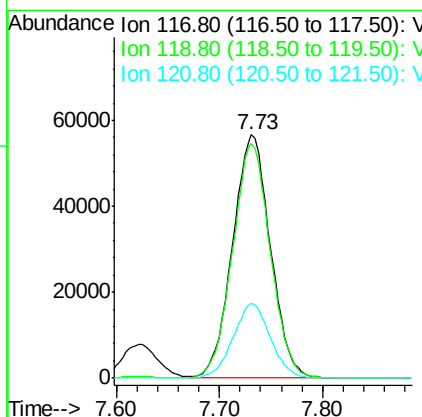
Manual Integrations
APPROVED

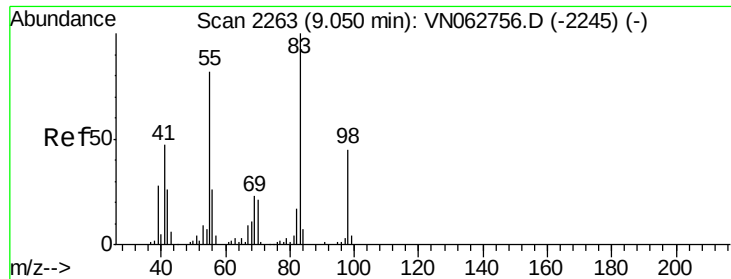
sam
8/11/2020 3:24:39 PM



#38
Carbon Tetrachloride
Concen: 47.217 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN062796.D
Acq: 10 Aug 2020 9:19

Tgt Ion	117	Resp	144307
Ion Ratio	100	Lower	Upper
117	100		
119	96.3	79.4	119.2
121	30.6	24.9	37.3





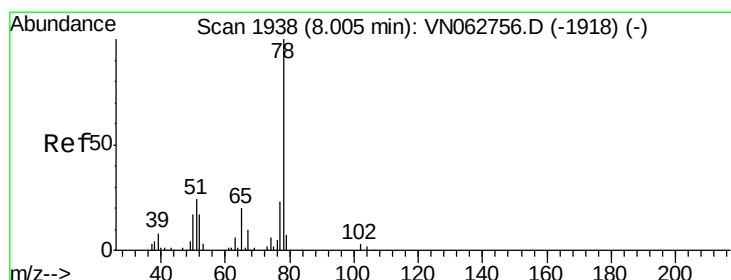
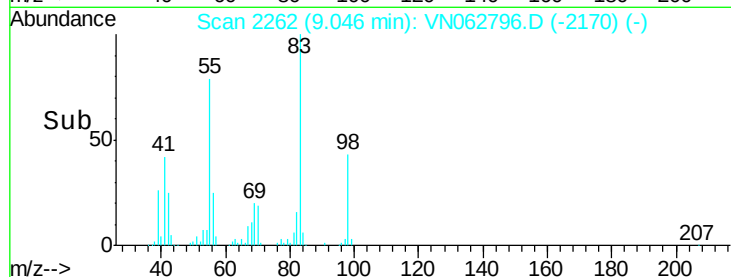
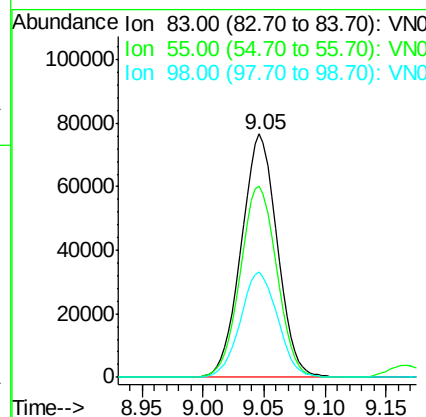
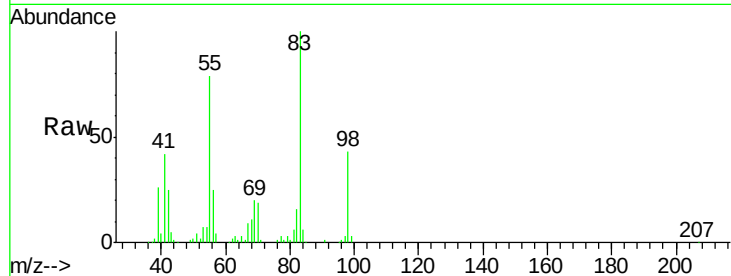
#39
Methylvlcyclohexane
Concen: 50.137 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN062796.D
Acq: 10 Aug 2020 9:19

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.6	65.7	98.5
98	43.1	35.6	53.4

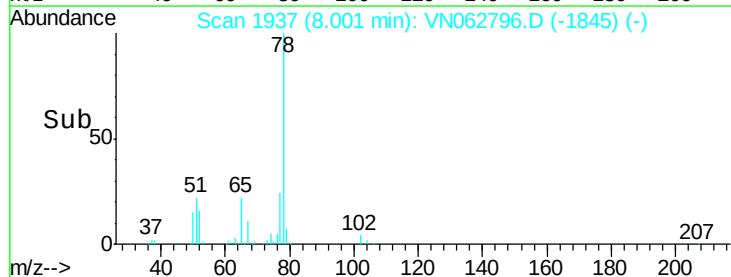
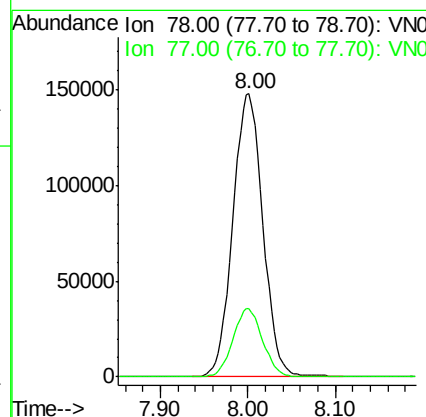
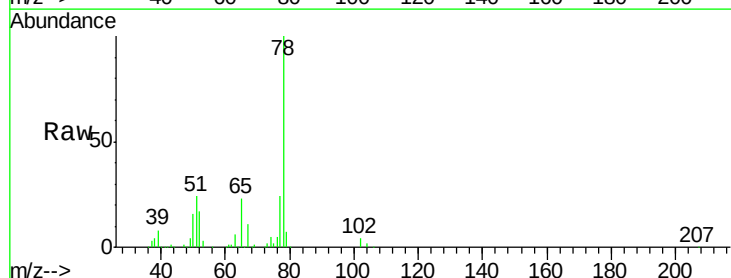
Manual Integrations
APPROVED

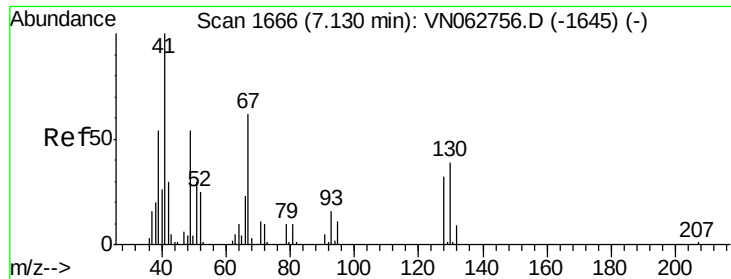
sam
8/11/2020 3:24:39 PM



#40
Benzene
Concen: 45.698 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN062796.D
Acq: 10 Aug 2020 9:19

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.1	27.1





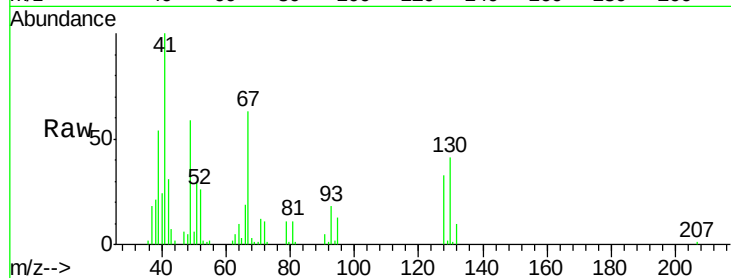
#41
Methacrylonitrile
Concen: 48.481 ug/l m
RT: 7.13 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VN062796.D
Acq: 10 Aug 2020 9:19

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	160.7	69.4	104.2#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Manual Integrations
APPROVED

sam
8/11/2020 3:24:39 PM

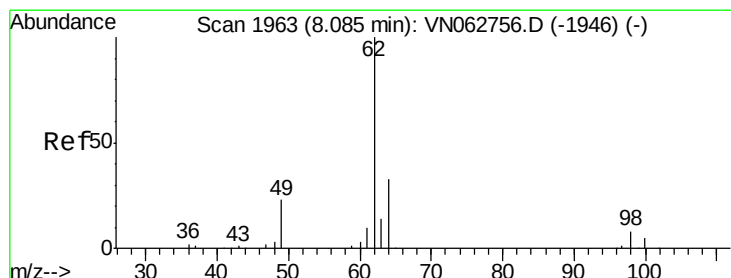
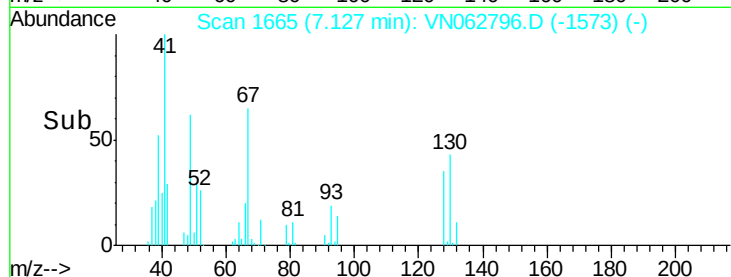
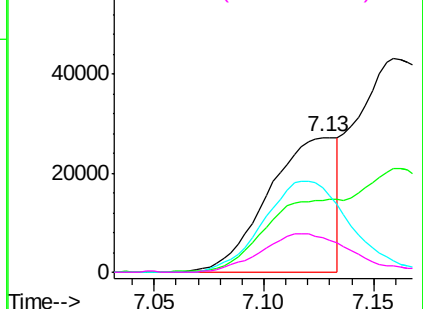


Abundance Ion 41.00 (40.70 to 41.70): VN062756.D (-1645) (-)

Ion 39.00 (38.70 to 39.70): VN062756.D (-1645) (-)

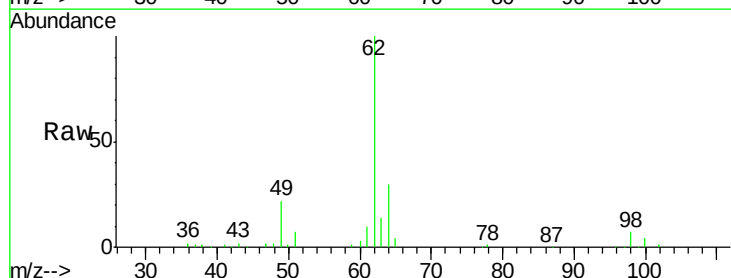
Ion 67.00 (66.70 to 67.70): VN062756.D (-1645) (-)

Ion 52.00 (51.70 to 52.70): VN062756.D (-1645) (-)



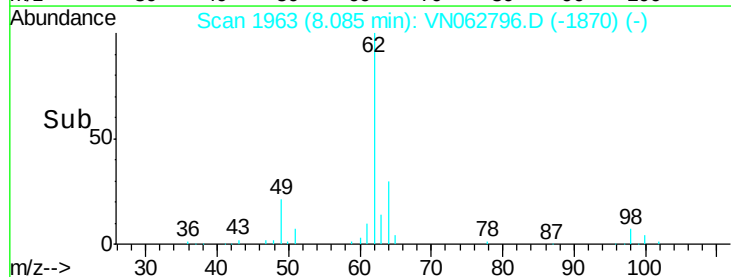
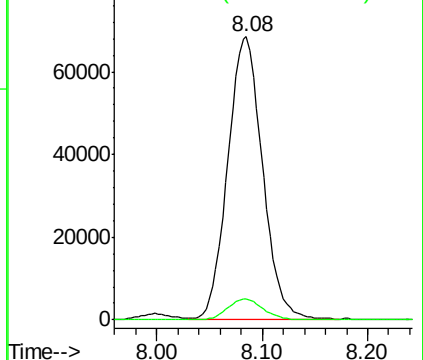
#42
1,2-Dichloroethane
Concen: 47.451 ug/l
RT: 8.08 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN062796.D
Acq: 10 Aug 2020 9:19

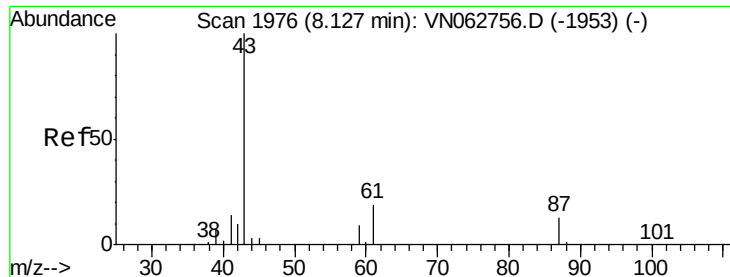
Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.6	0.0	15.8



Abundance Ion 61.90 (61.60 to 62.60): VN062756.D (-1946) (-)

Ion 97.90 (97.60 to 98.60): VN062756.D (-1946) (-)





#43

Isopropyl Acetate

Concen: 43.594 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN062796.D

Acq: 10 Aug 2020 9:19

Instrument :

MSVOA_N

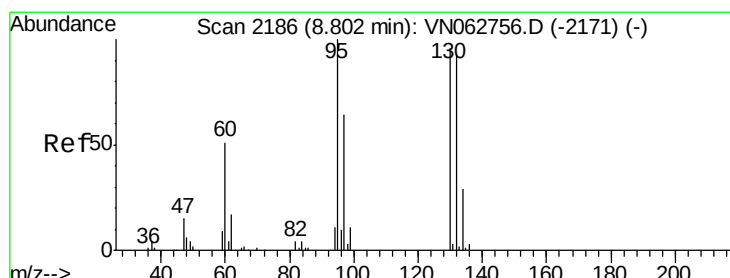
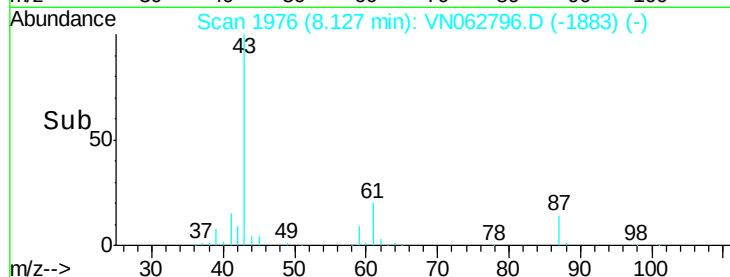
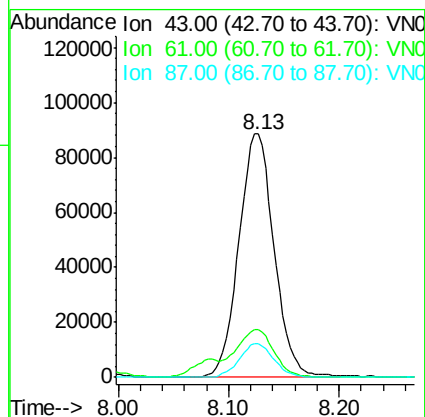
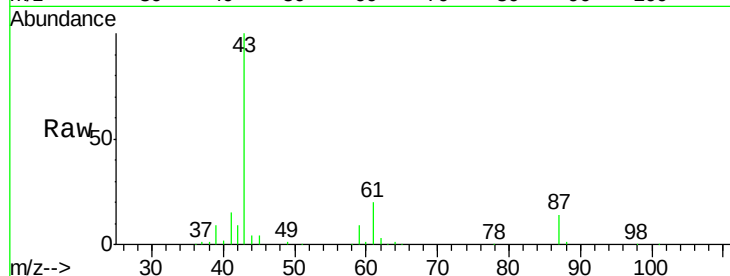
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	196281
Ion Ratio	Lower	Upper	
43	100		
61	20.7	15.8	23.6
87	13.4	9.9	14.9

Manual Integrations
APPROVED

sam
8/11/2020 3:24:39 PM



#44

Trichloroethene

Concen: 46.643 ug/l

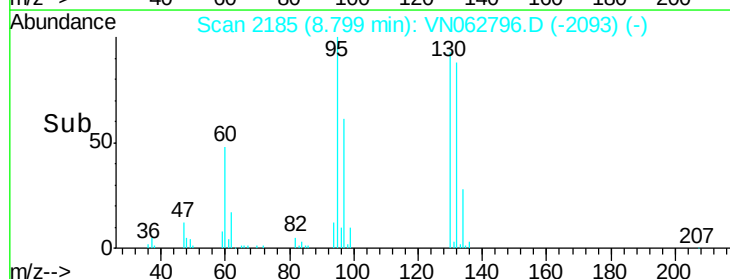
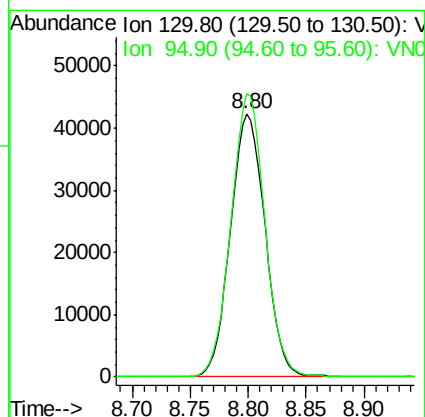
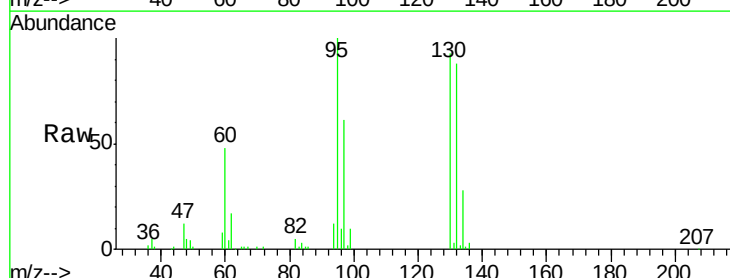
RT: 8.80 min Scan# 2185

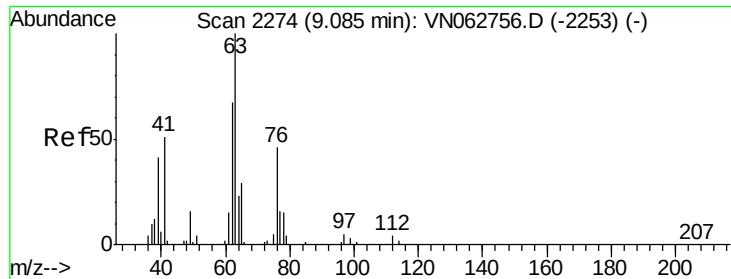
Delta R.T. -0.00 min

Lab File: VN062796.D

Acq: 10 Aug 2020 9:19

Tgt Ion:	130	Resp:	87628
Ion Ratio	Lower	Upper	
130	100		
95	107.6	0.0	207.6





#45

1,2-Dichloropropane

Concen: 47.268 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VN062796.D

Acq: 10 Aug 2020 9:19

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 63 Resp: 98649

Ion Ratio Lower Upper

63 100

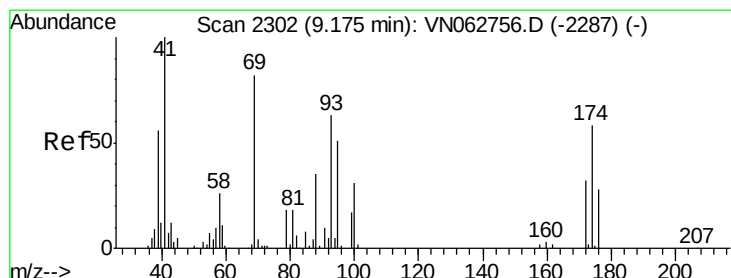
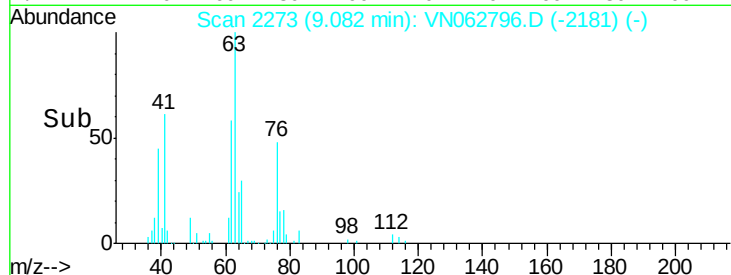
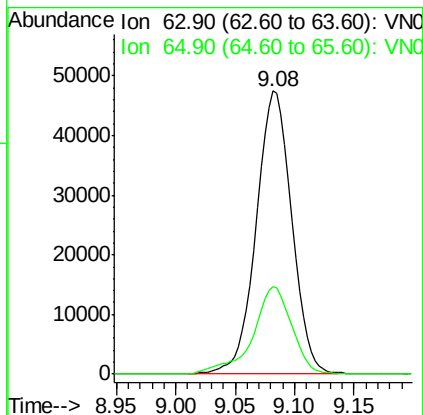
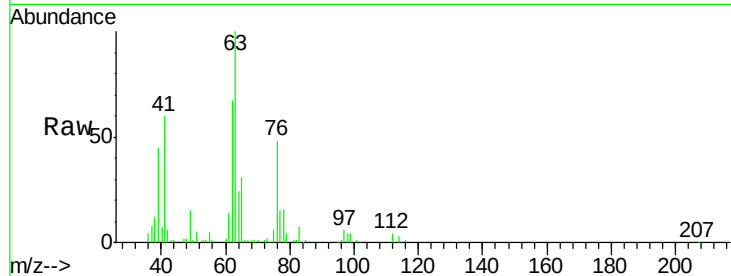
65 31.0 23.5 35.3

Manual Integrations

APPROVED

sam

8/11/2020 3:24:39 PM



#46

Dibromomethane

Concen: 47.443 ug/l

RT: 9.17 min Scan# 2301

Delta R.T. -0.00 min

Lab File: VN062796.D

Acq: 10 Aug 2020 9:19

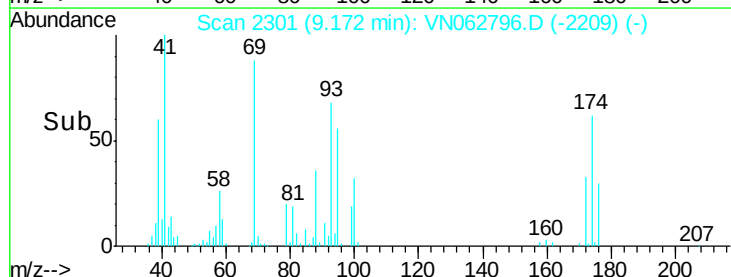
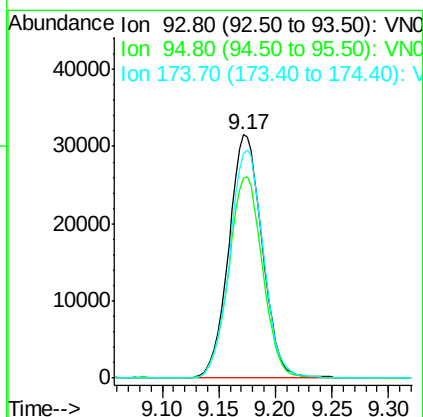
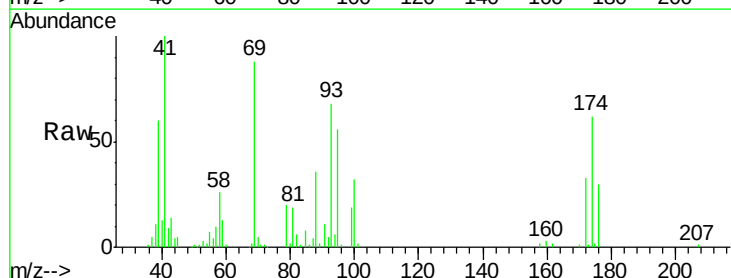
Tgt Ion: 93 Resp: 64876

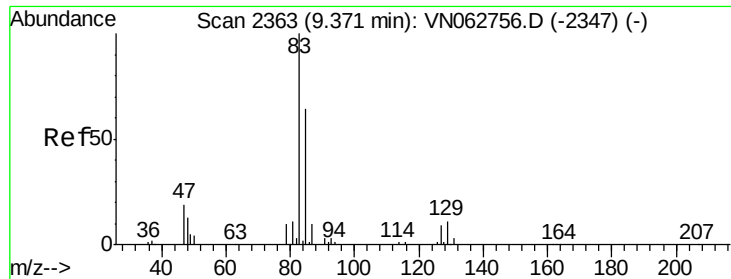
Ion Ratio Lower Upper

93 100

95 83.8 65.1 97.7

174 94.3 73.9 110.9





#47

Bromodichloromethane

Concen: 49.196 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN062796.D

Acq: 10 Aug 2020 9:19

Instrument :

MSVOA_N

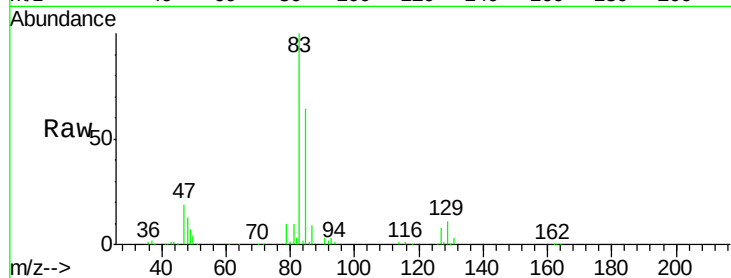
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	151090
Ion Ratio	Lower	Upper	
83	100		
85	64.4	51.4	77.0
127	8.4	6.9	10.3

Manual Integrations
APPROVED

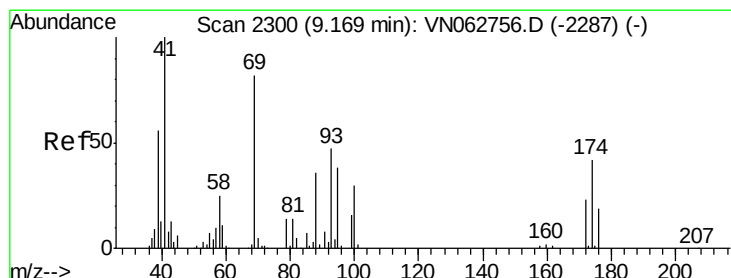
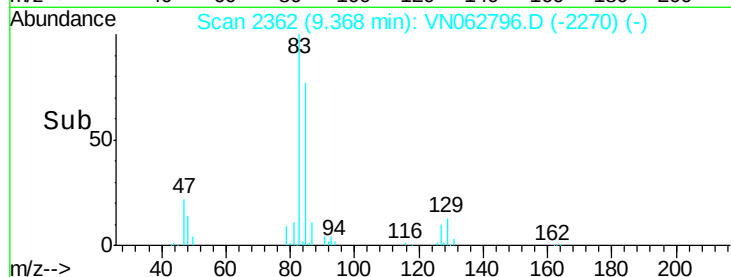
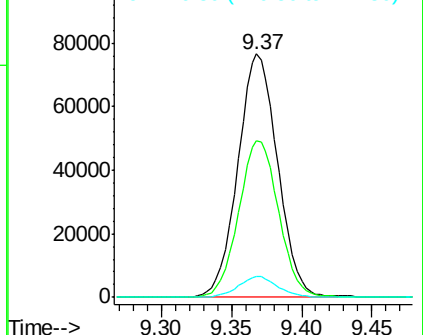
sam
8/11/2020 3:24:39 PM



Abundance Ion 82.90 (82.60 to 83.60): VN062796.D (-2270) (-)

Ion 84.90 (84.60 to 85.60): VN062796.D (-2270) (-)

Ion 126.80 (126.50 to 127.50): VN062796.D (-2270) (-)



#48

Methyl methacrylate

Concen: 44.451 ug/l

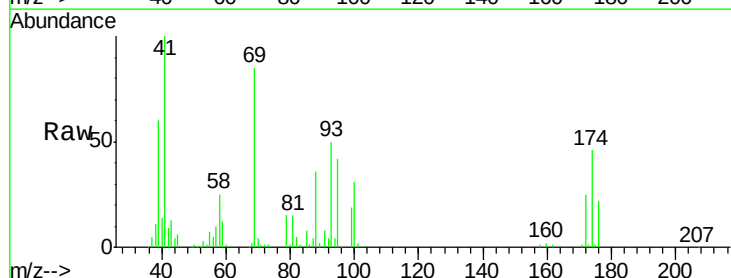
RT: 9.17 min Scan# 2299

Delta R.T. -0.00 min

Lab File: VN062796.D

Acq: 10 Aug 2020 9:19

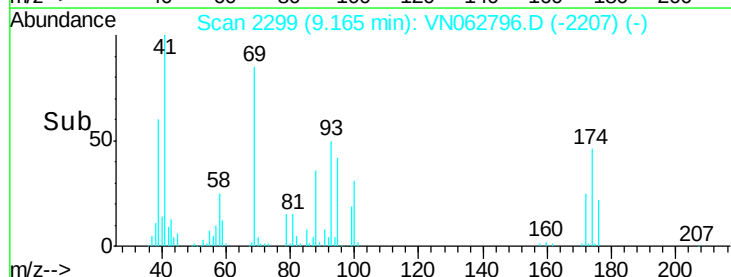
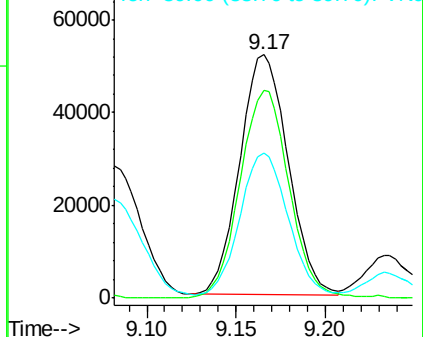
Tgt Ion:	41	Resp:	98441
Ion Ratio	Lower	Upper	
41	100		
69	87.9	67.4	101.2
39	61.6	47.6	71.4

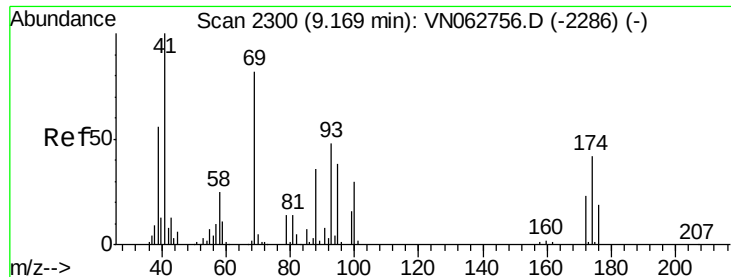


Abundance Ion 41.00 (40.70 to 41.70): VN062796.D (-2207) (-)

Ion 69.00 (68.70 to 69.70): VN062796.D (-2207) (-)

Ion 39.00 (38.70 to 39.70): VN062796.D (-2207) (-)





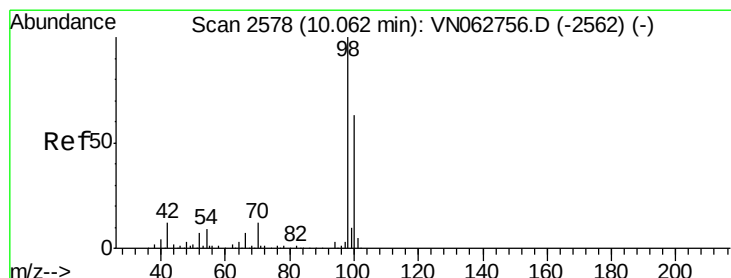
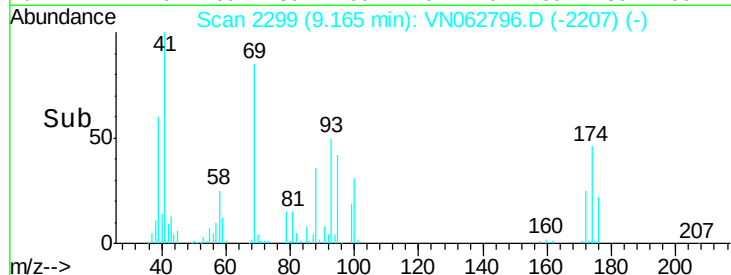
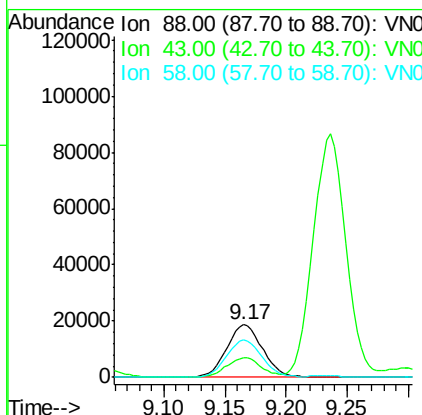
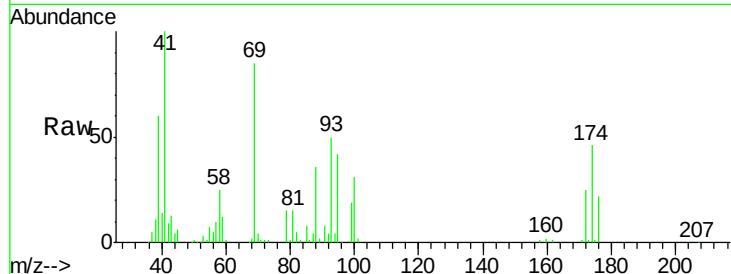
#49
 1,4-Dioxane
 Concen: 939.582 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. -0.00 min
 Lab File: VN062796.D
 Acq: 10 Aug 2020 9:19

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	36.7	29.5	44.3	
58	70.5	59.8	89.8	

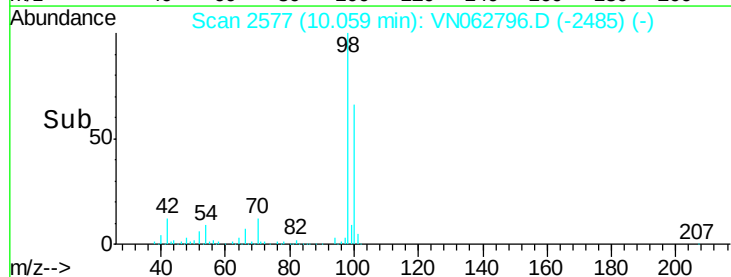
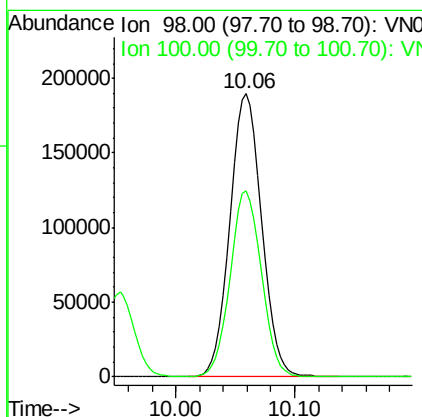
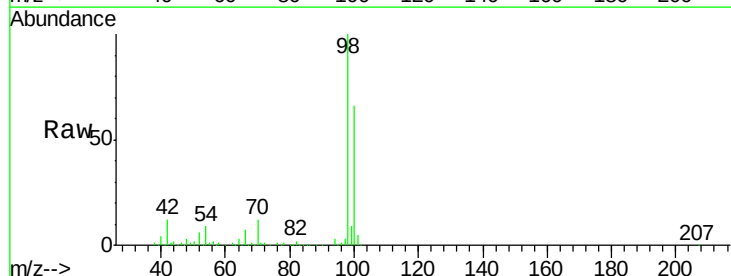
Manual Integrations
 APPROVED

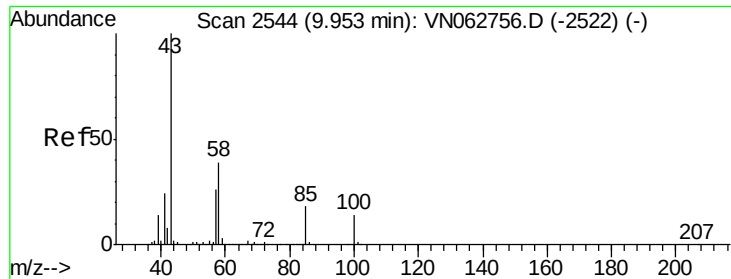
sam
 8/11/2020 3:24:39 PM



#50
 Toluene-d8
 Concen: 49.527 ug/l
 RT: 10.06 min Scan# 2577
 Delta R.T. -0.00 min
 Lab File: VN062796.D
 Acq: 10 Aug 2020 9:19

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	64.4	50.9	76.3	





#51

4-Methyl-2-Pentanone

Concen: 226.524 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN062796.D

Acq: 10 Aug 2020 9:19

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 659901

Ion Ratio Lower Upper

43 100

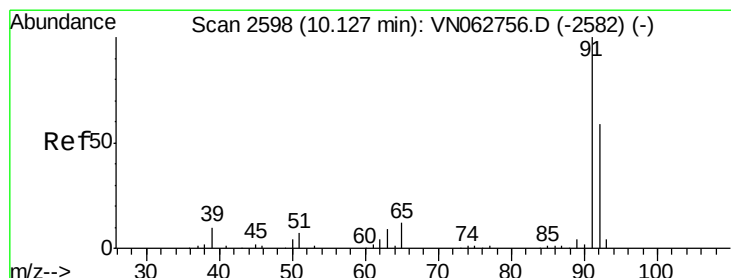
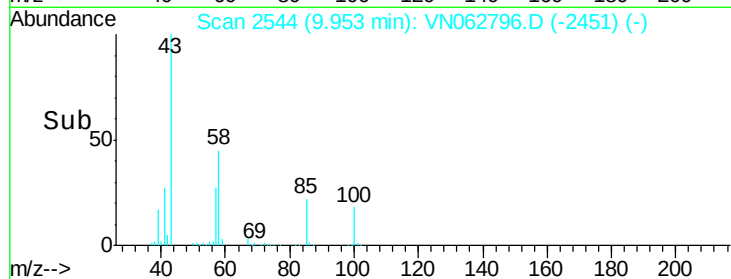
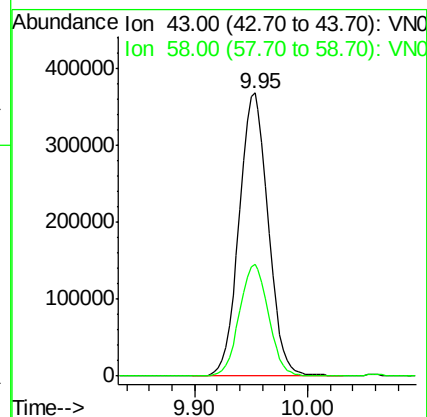
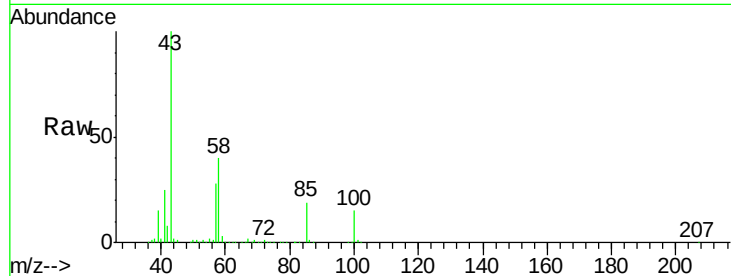
58 39.5 31.1 46.7

Manual Integrations

APPROVED

sam

8/11/2020 3:24:39 PM



#52

Toluene

Concen: 48.034 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062796.D

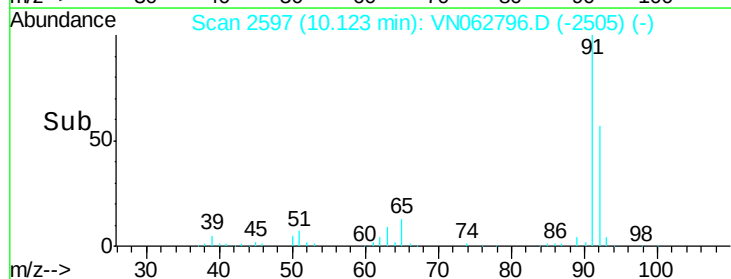
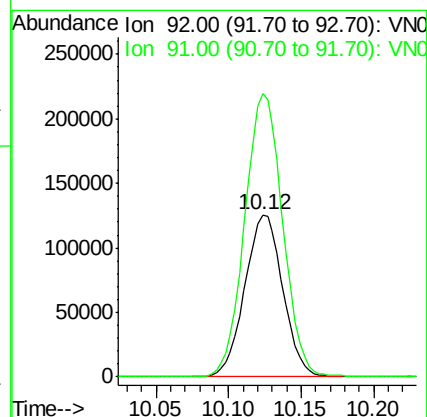
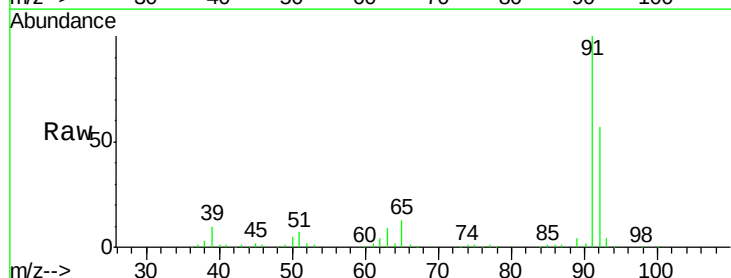
Acq: 10 Aug 2020 9:19

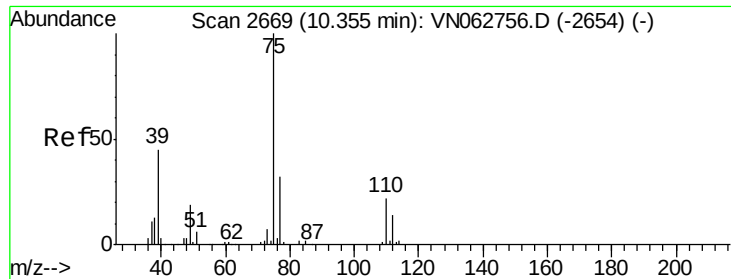
Tgt Ion: 92 Resp: 228692

Ion Ratio Lower Upper

92 100

91 174.6 138.9 208.3





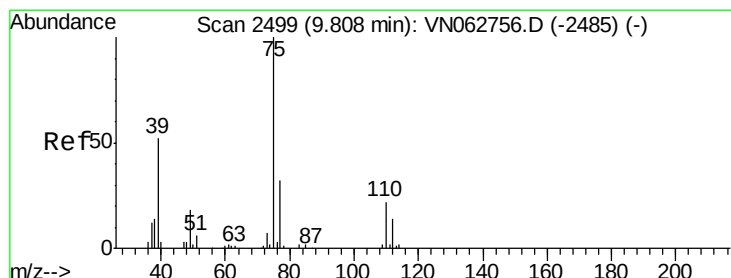
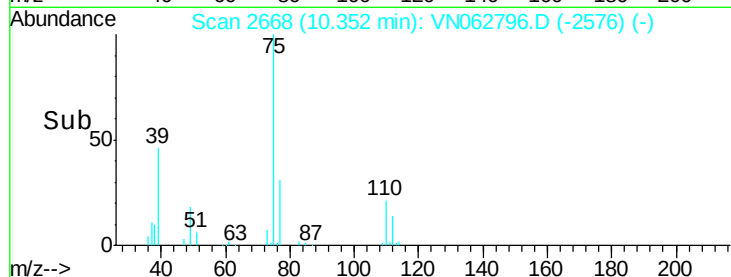
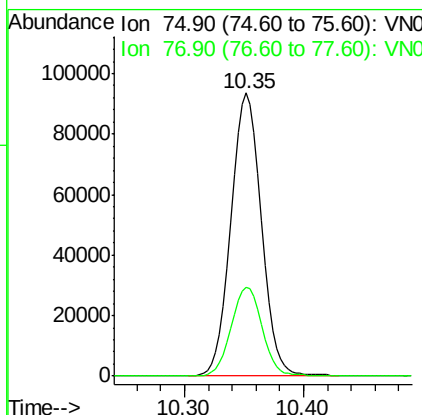
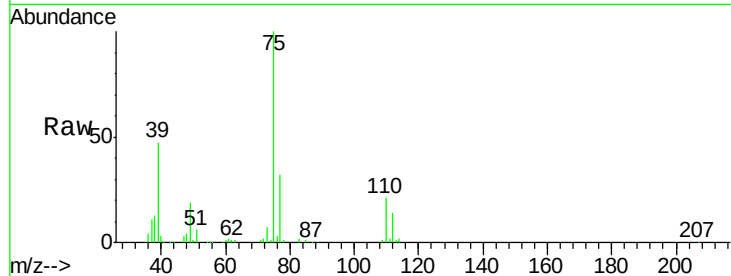
#53
t-1,3-Dichloropropene
Concen: 49.261 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. -0.00 min
Lab File: VN062796.D
Acq: 10 Aug 2020 9:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.4	38.2

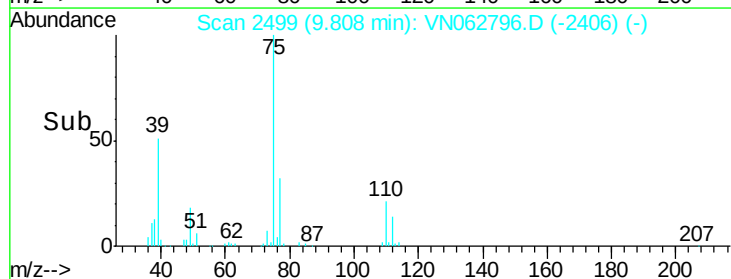
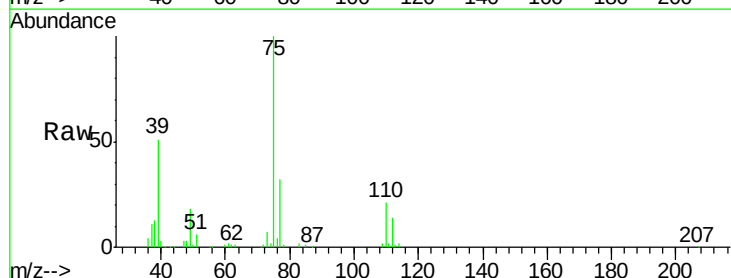
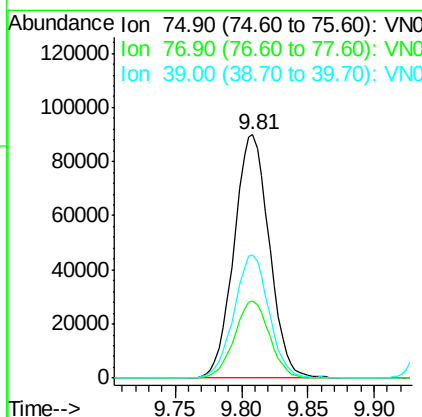
Manual Integrations
APPROVED

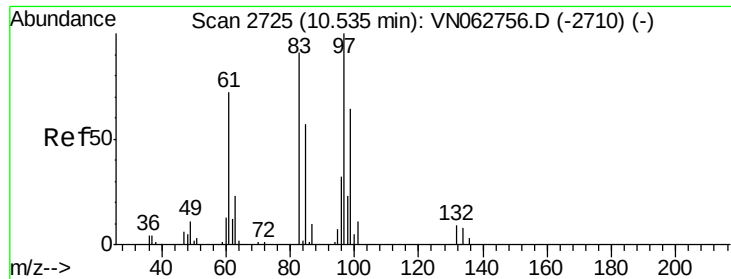
sam
8/11/2020 3:24:39 PM



#54
cis-1,3-Dichloropropene
Concen: 49.086 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VN062796.D
Acq: 10 Aug 2020 9:19

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.5	38.3
39	50.9	41.9	62.9





#55

1,1,2-Trichloroethane

Concen: 47.830 ug/l

RT: 10.53 min Scan# 2724

Delta R.T. -0.00 min

Lab File: VN062796.D

Acq: 10 Aug 2020 9:19

Instrument :

MSVOA_N

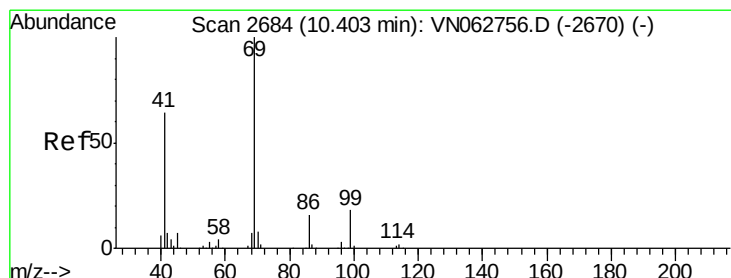
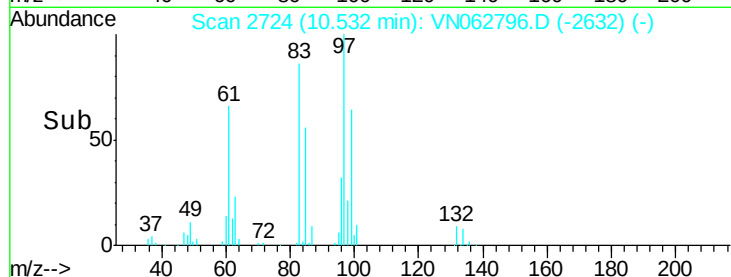
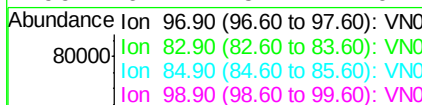
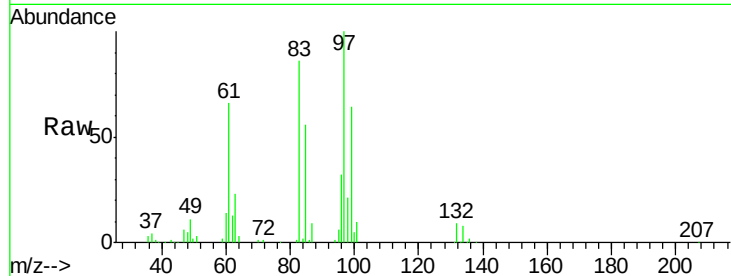
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	97257
Ion	Ratio	Lower	Upper
97	100		
83	86.4	72.6	108.8
85	55.8	46.0	69.0
99	64.1	51.1	76.7

Manual Integrations
APPROVED

sam
8/11/2020 3:24:39 PM



#56

Ethyl methacrylate

Concen: 49.155 ug/l

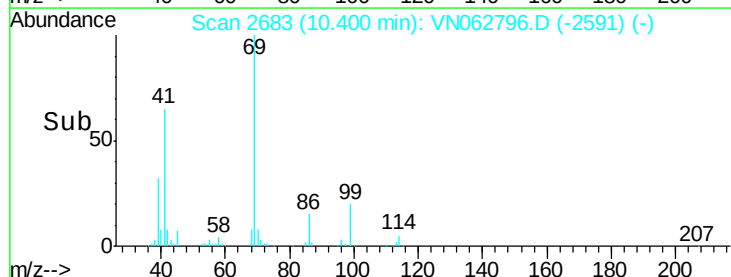
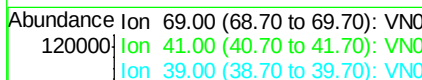
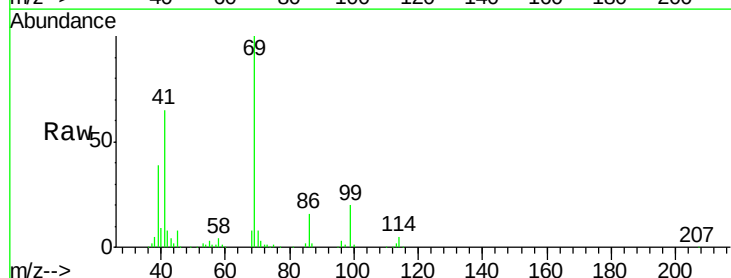
RT: 10.40 min Scan# 2683

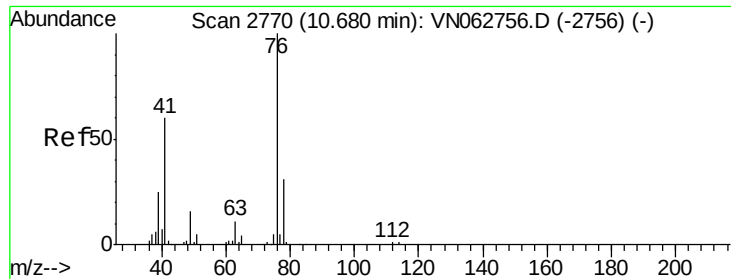
Delta R.T. -0.00 min

Lab File: VN062796.D

Acq: 10 Aug 2020 9:19

Tgt Ion:	69	Resp:	150446
Ion	Ratio	Lower	Upper
69	100		
41	64.4	52.2	78.2
39	38.1	30.9	46.3





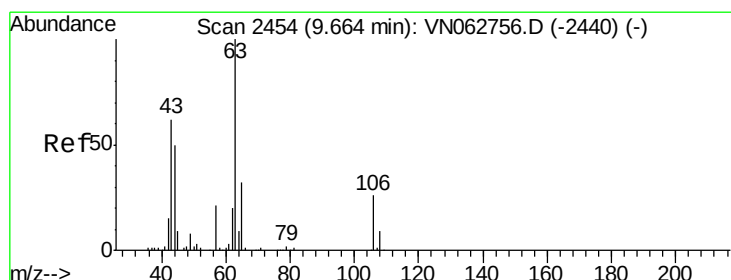
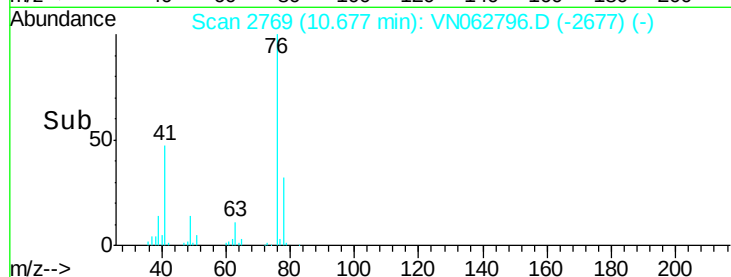
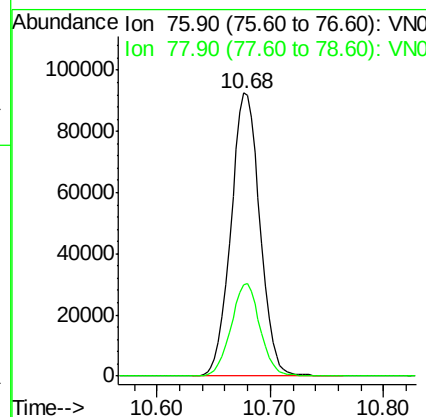
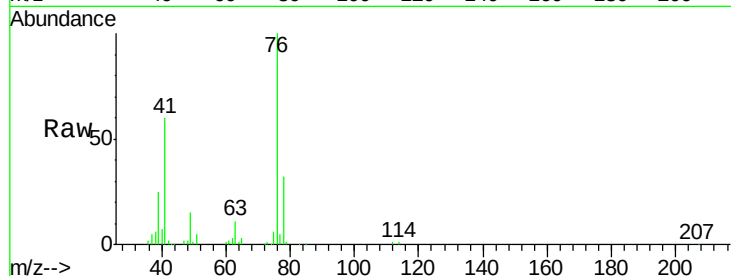
#57
 1,3-Dichloropropane
 Concen: 47.755 ug/l
 RT: 10.68 min Scan# 2769
 Delta R.T. -0.00 min
 Lab File: VN062796.D
 Acq: 10 Aug 2020 9:19

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion: 76 Resp: 164994
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.4 38.0

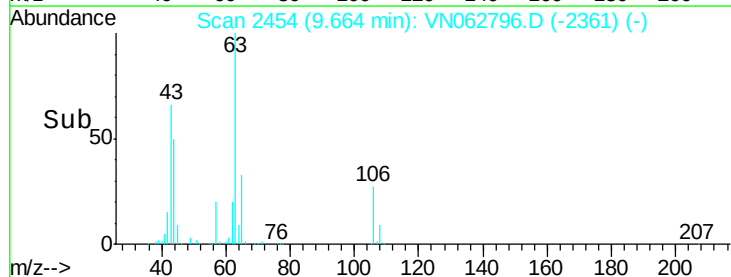
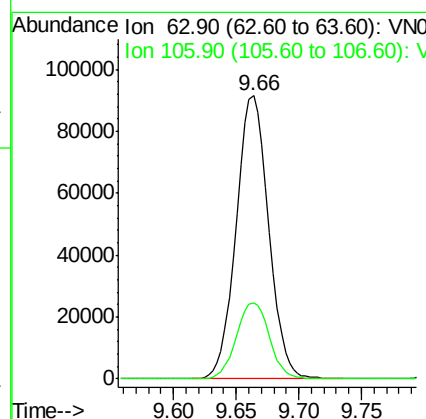
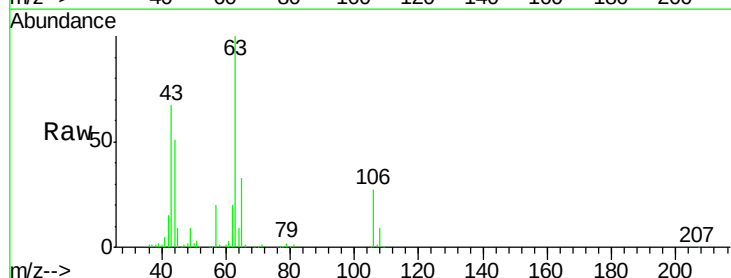
Manual Integrations
 APPROVED

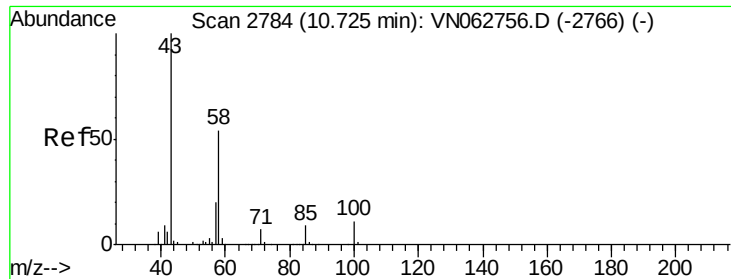
sam
 8/11/2020 3:24:39 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 190.452 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. -0.00 min
 Lab File: VN062796.D
 Acq: 10 Aug 2020 9:19

Tgt Ion: 63 Resp: 164767
 Ion Ratio Lower Upper
 63 100
 106 27.4 20.9 31.3





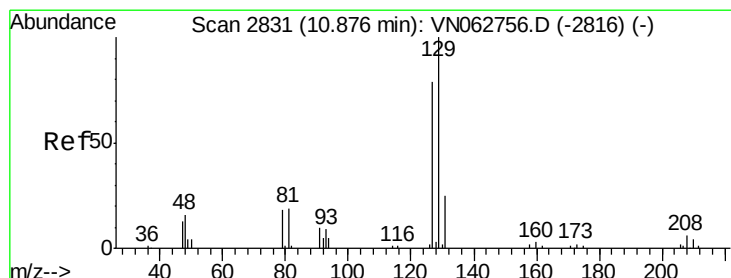
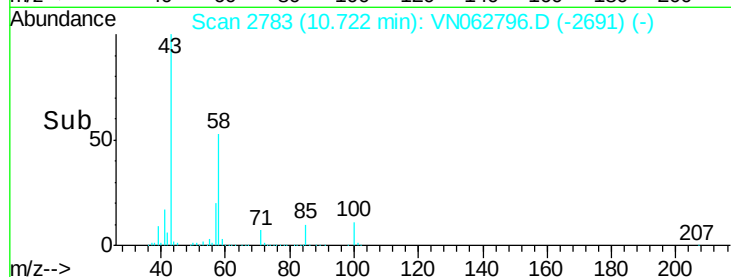
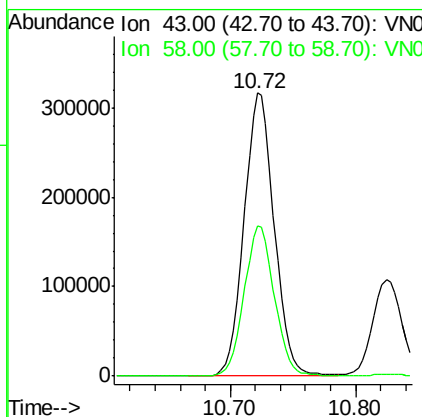
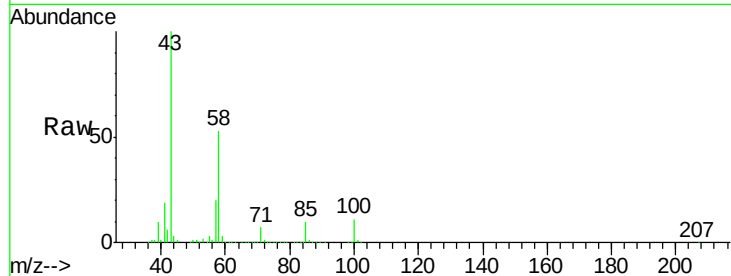
#59
2-Hexanone
Concen: 242.510 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN062796.D
Acq: 10 Aug 2020 9:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	526985
Ion Ratio	100	Lower	Upper
43	100		
58	53.6	26.7	80.1

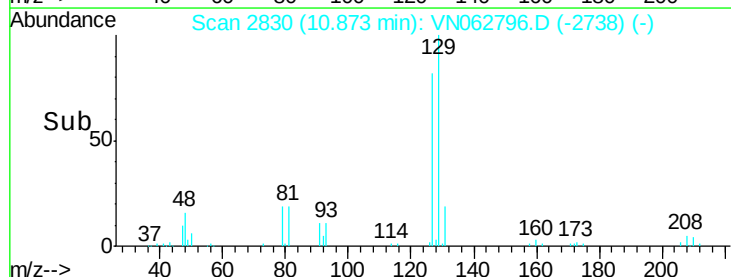
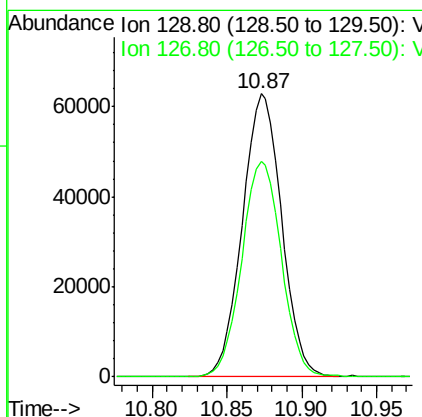
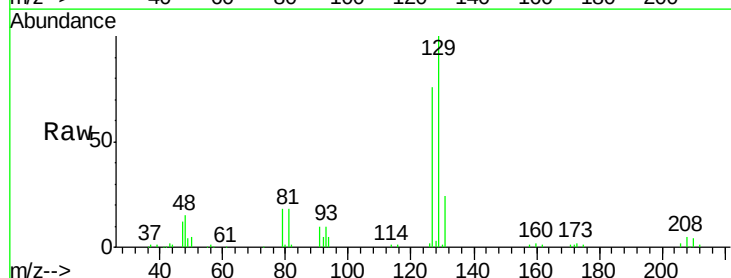
Manual Integrations
APPROVED

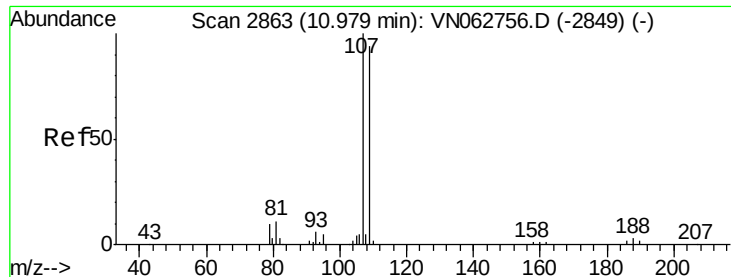
sam
8/11/2020 3:24:39 PM



#60
Dibromochloromethane
Concen: 49.661 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN062796.D
Acq: 10 Aug 2020 9:19

Tgt Ion	129	Resp	115237	
Ion Ratio	129	100	Lower	Upper
129	100			
127	76.8	39.1	117.2	





#61

1,2-Dibromoethane

Concen: 47.786 ug/l

RT: 10.98 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VN062796.D

Acq: 10 Aug 2020 9:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 95881

Ion Ratio Lower Upper

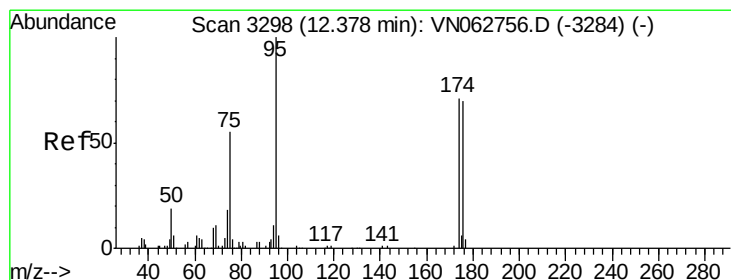
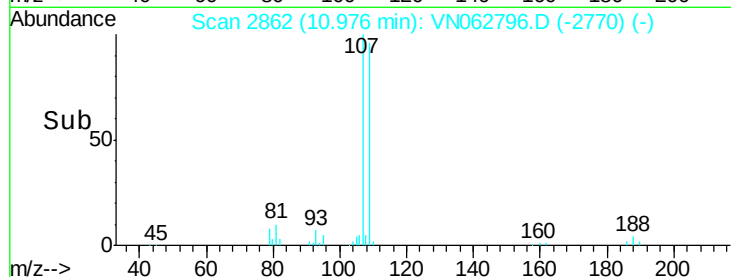
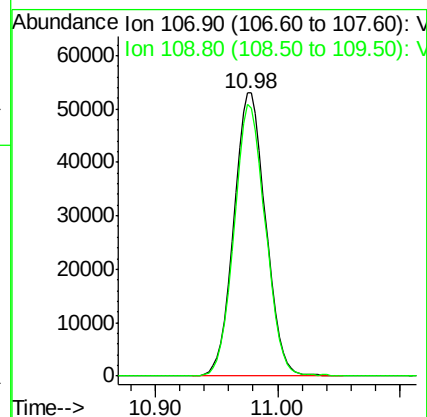
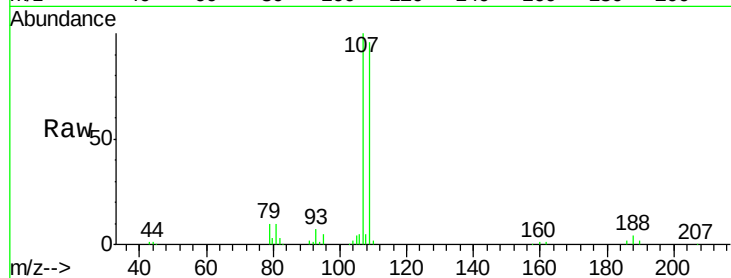
107 100

109 94.3 76.1 114.1

Manual Integrations
APPROVED

sam

8/11/2020 3:24:39 PM



#62

4-Bromofluorobenzene

Concen: 50.736 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062796.D

Acq: 10 Aug 2020 9:19

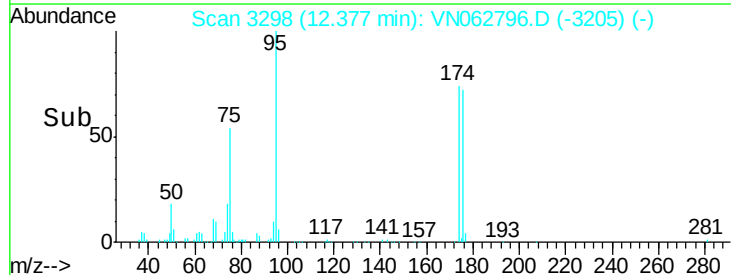
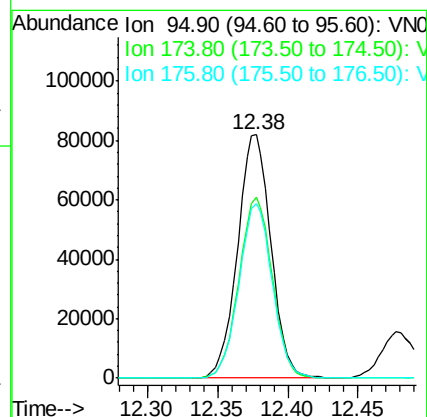
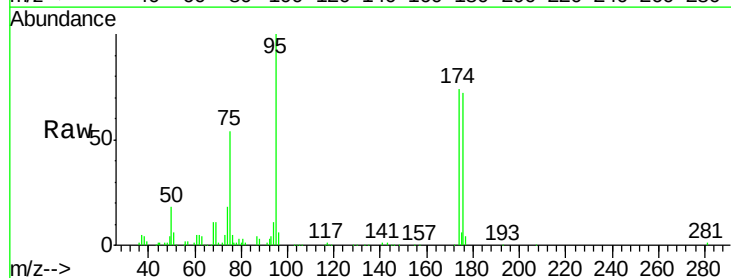
Tgt Ion: 95 Resp: 135889

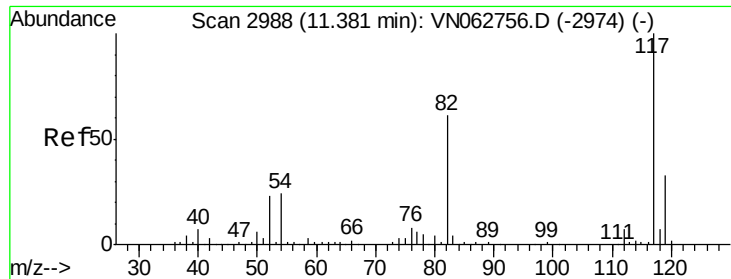
Ion Ratio Lower Upper

95 100

174 74.4 0.0 144.8

176 71.6 0.0 142.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. -0.00 min

Lab File: VN062796.D

Acq: 10 Aug 2020 9:19

Instrument :

MSVOA_N

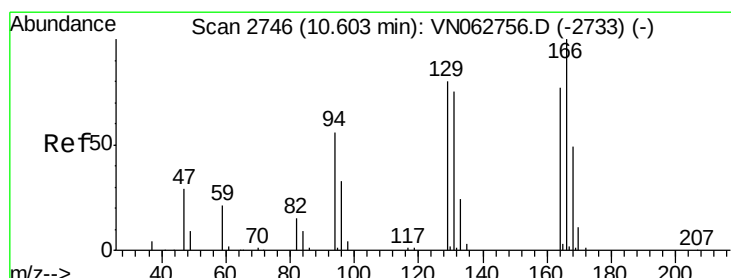
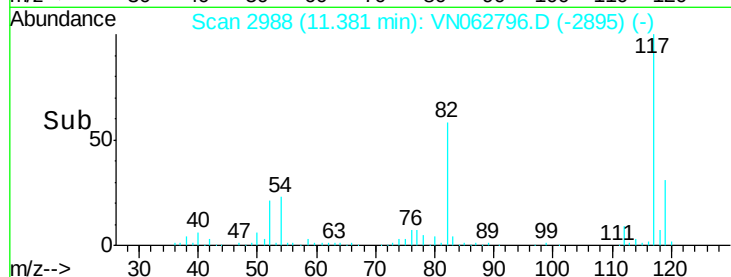
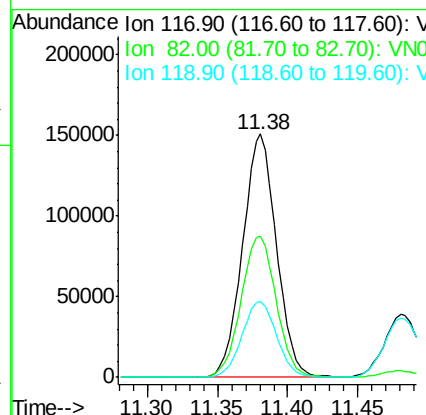
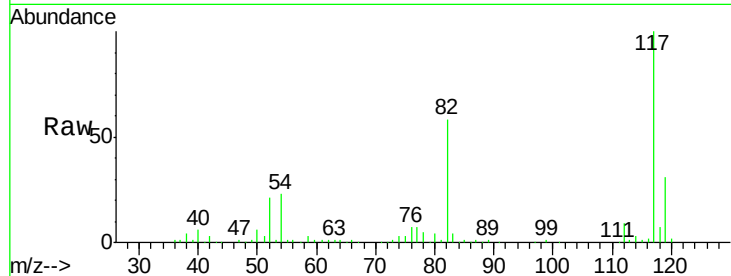
ClientSampleId :

VSTDCCC050

Tot Ion:	117	Resp:	253743
Ion Ratio	Lower	Upper	
117	100		
82	57.7	49.0	73.4
119	31.4	26.2	39.2

Manual Integrations
APPROVED

sam
8/11/2020 3:24:39 PM



#64

Tetrachloroethene

Concen: 46.964 ug/l

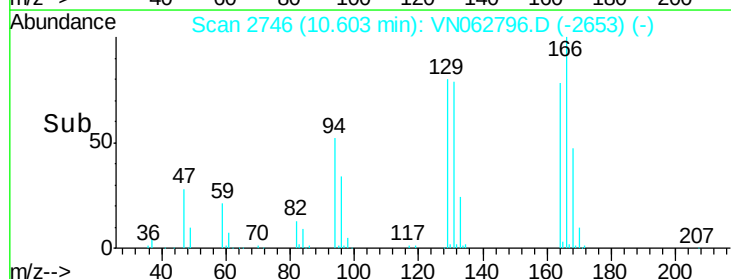
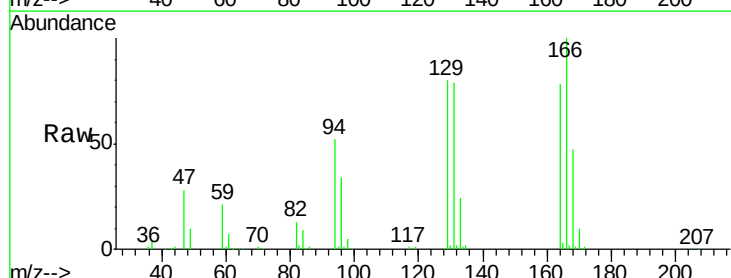
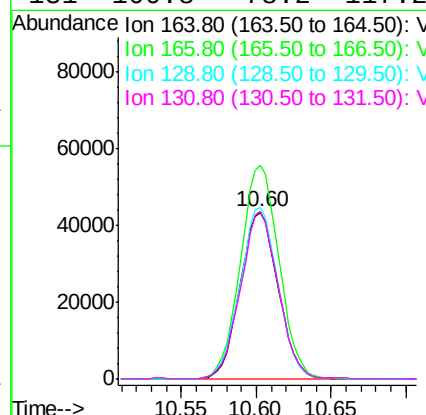
RT: 10.60 min Scan# 2746

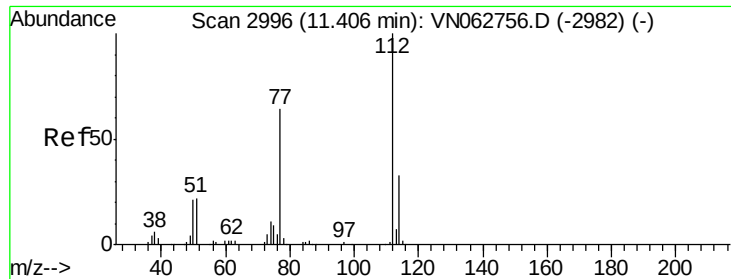
Delta R.T. -0.00 min

Lab File: VN062796.D

Acq: 10 Aug 2020 9:19

Tgt Ion:	164	Resp:	76888
Ion Ratio	Lower	Upper	
164	100		
166	128.4	103.8	155.8
129	103.2	82.7	124.1
131	100.8	78.2	117.2





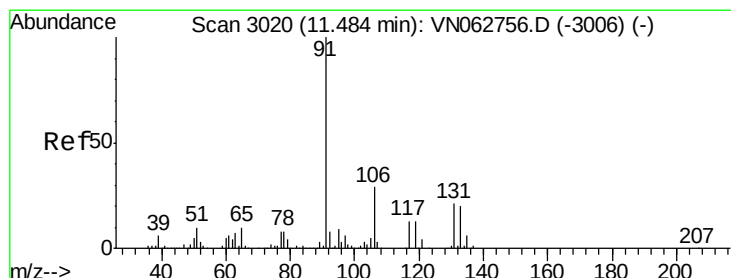
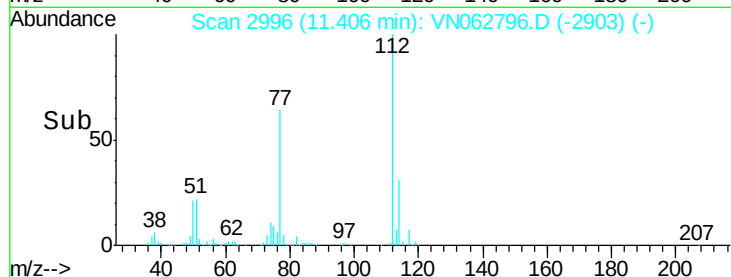
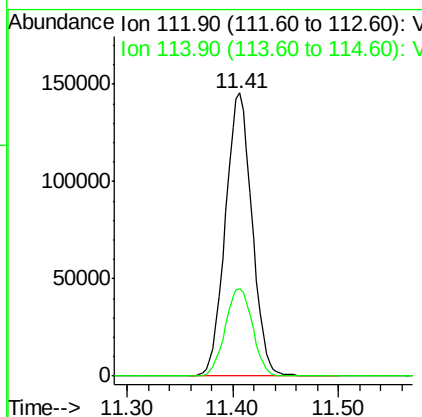
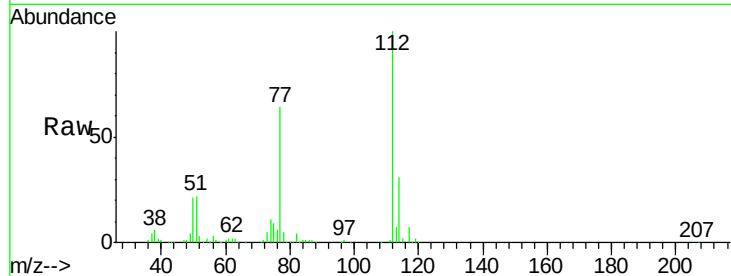
#65
Chlorobenzene
Concen: 47.849 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN062796.D
Acq: 10 Aug 2020 9:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 253799
Ion Ratio Lower Upper
112 100
114 30.9 26.2 39.4

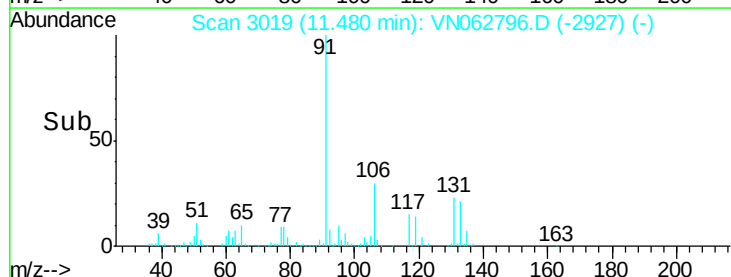
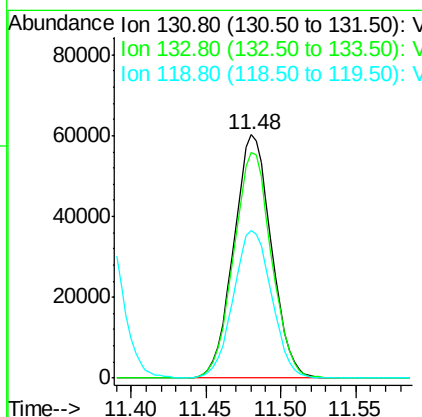
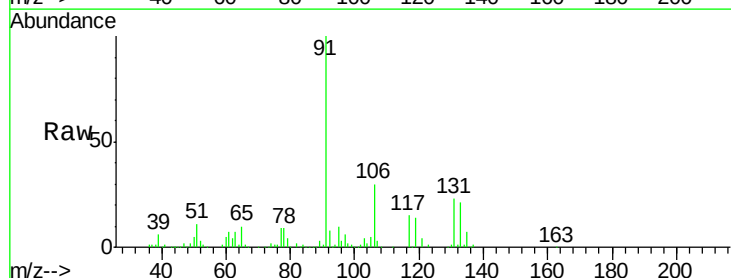
Manual Integrations
APPROVED

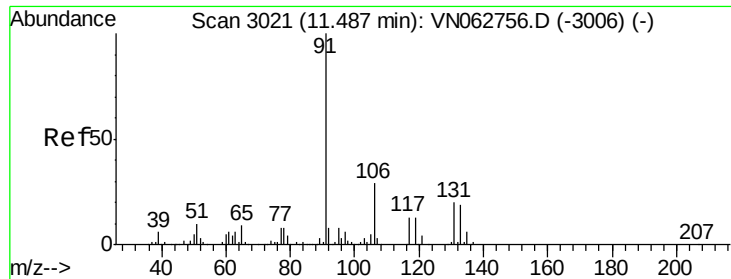
sam
8/11/2020 3:24:39 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.508 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN062796.D
Acq: 10 Aug 2020 9:19

Tgt Ion:131 Resp: 105453
Ion Ratio Lower Upper
131 100
133 93.2 48.6 145.8
119 61.8 32.2 96.6





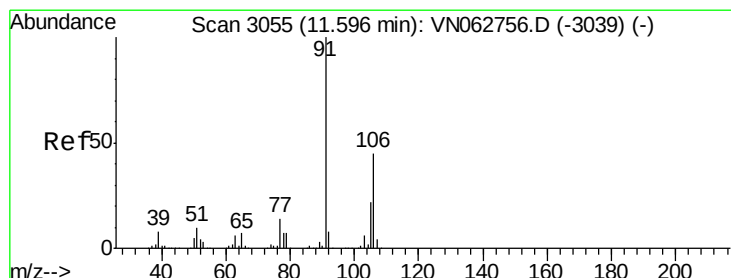
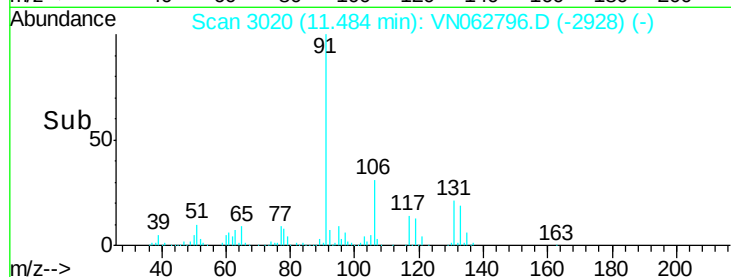
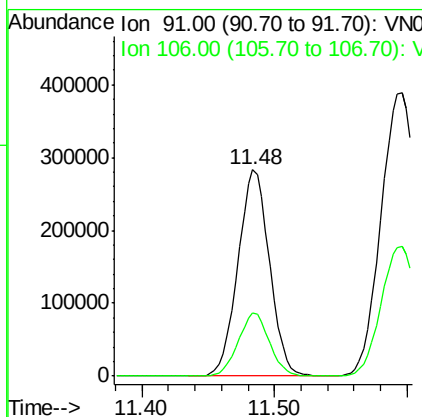
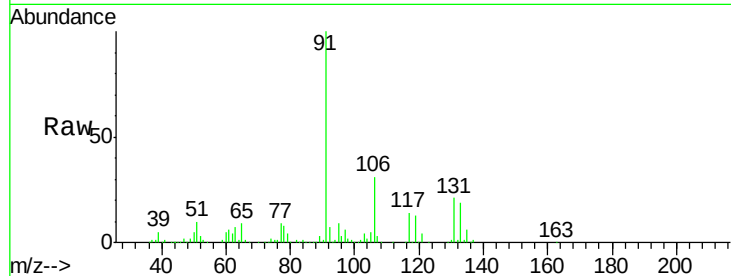
#67
Ethyl Benzene
Concen: 49.281 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN062796.D
Acq: 10 Aug 2020 9:19

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 467766
Ion Ratio Lower Upper
91 100
106 30.7 23.2 34.8

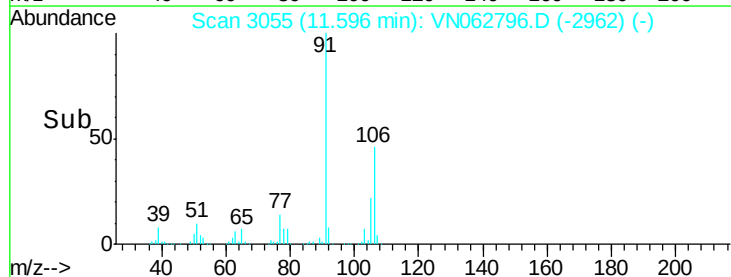
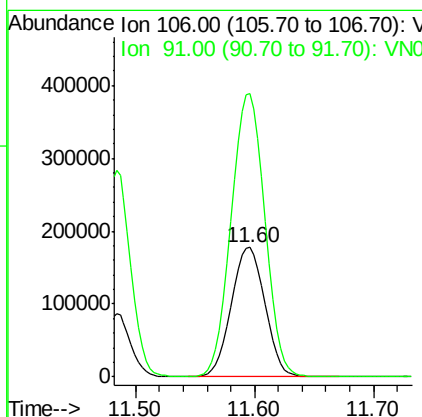
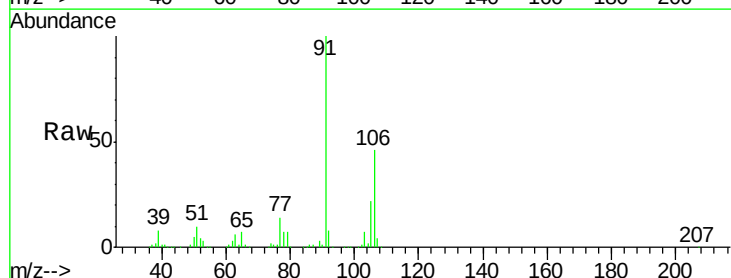
Manual Integrations
APPROVED

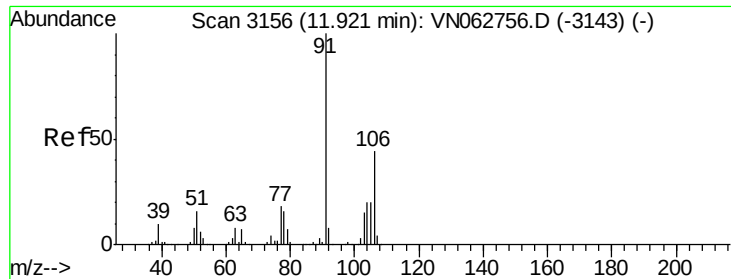
sam
8/11/2020 3:24:39 PM



#68
m/p-Xylenes
Concen: 101.045 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. -0.00 min
Lab File: VN062796.D
Acq: 10 Aug 2020 9:19

Tgt Ion: 106 Resp: 348153
Ion Ratio Lower Upper
106 100
91 218.9 175.9 263.9





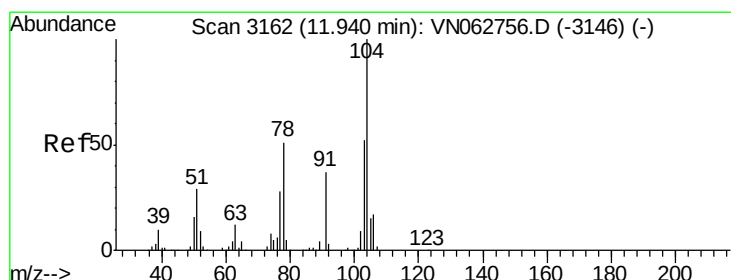
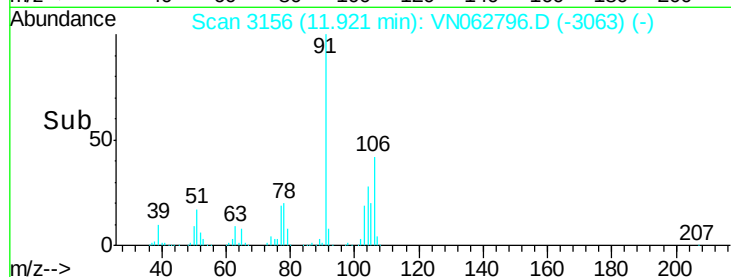
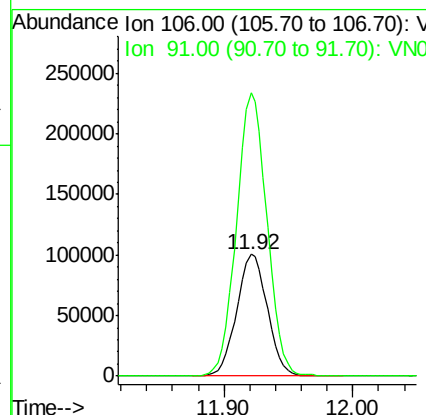
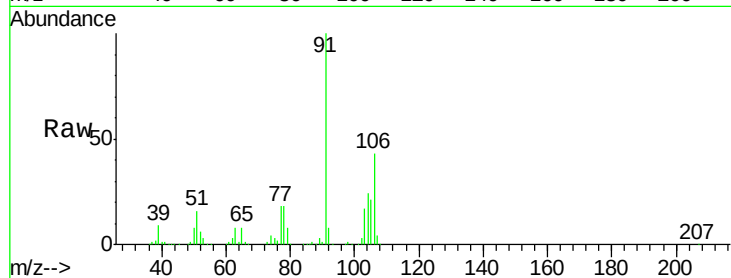
#69
o-Xylene
Concen: 51.478 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN062796.D
Acq: 10 Aug 2020 9:19

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		166220		
91	230.3	115.8	347.4		

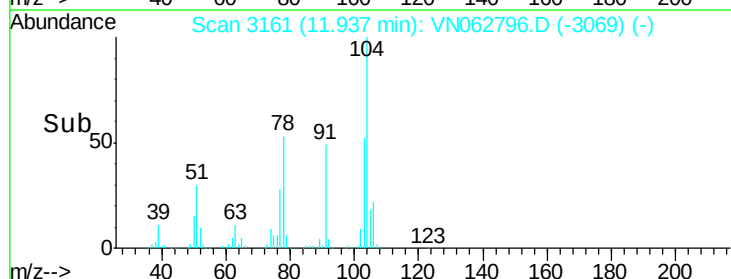
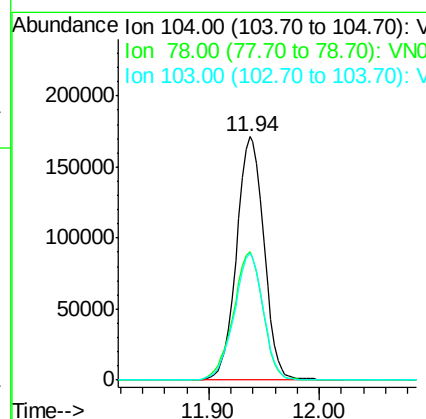
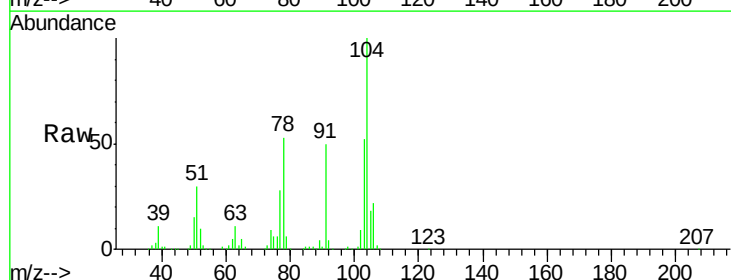
Manual Integrations
APPROVED

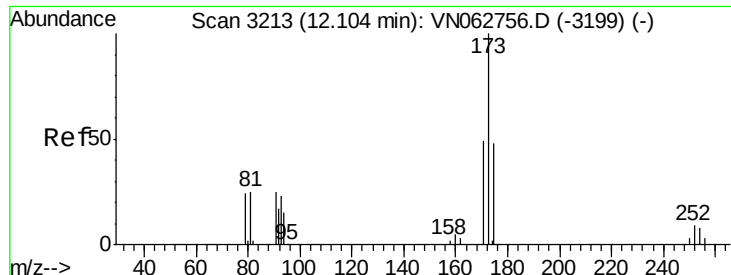
sam
8/11/2020 3:24:39 PM



#70
Styrene
Concen: 52.029 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN062796.D
Acq: 10 Aug 2020 9:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		295298		
78	56.6	45.9	68.9		
103	55.5	45.1	67.7		





#71

Bromoform

Concen: 47.401 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN062796.D

Acq: 10 Aug 2020 9:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 82610

Ion Ratio Lower Upper

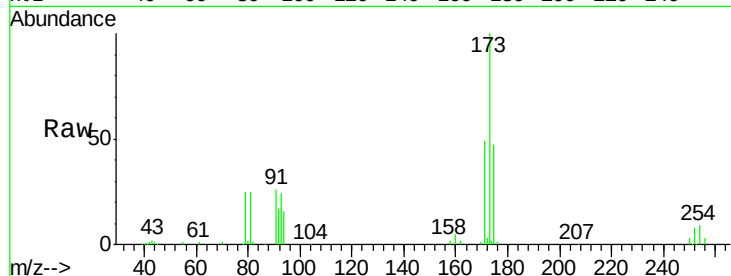
173 100

175 48.8 24.0 72.0

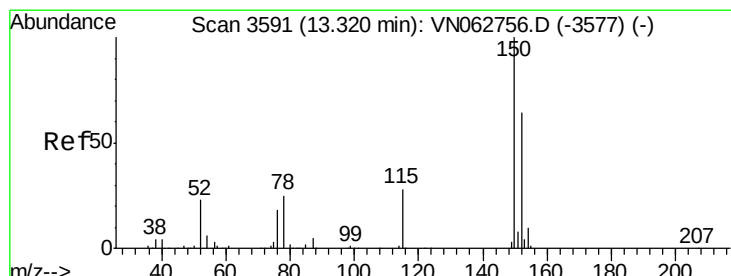
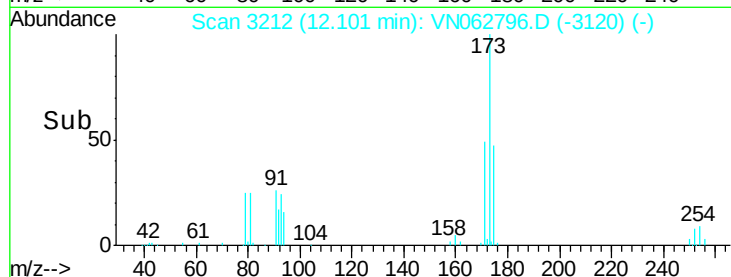
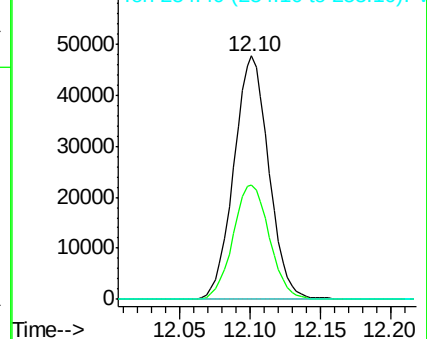
254 0.0 0.0 0.0

Manual Integrations
APPROVED

sam
8/11/2020 3:24:39 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# 3590

Delta R.T. -0.00 min

Lab File: VN062796.D

Acq: 10 Aug 2020 9:19

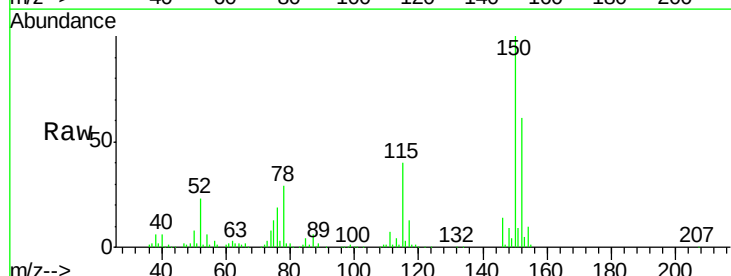
Tgt Ion:152 Resp: 129502

Ion Ratio Lower Upper

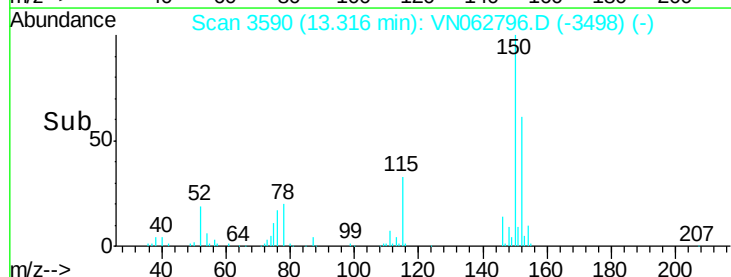
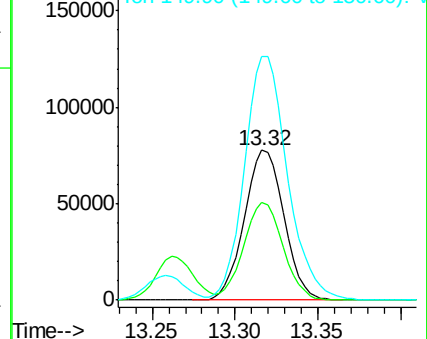
152 100

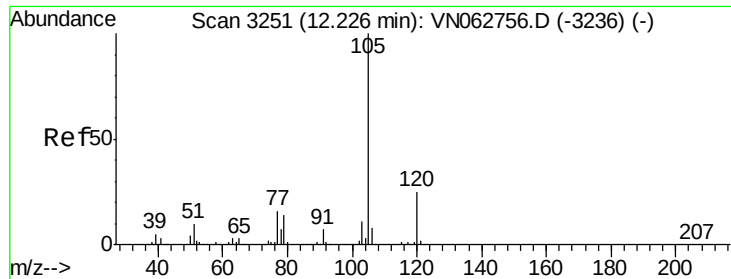
115 64.9 31.6 94.8

150 176.7 0.0 349.2



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





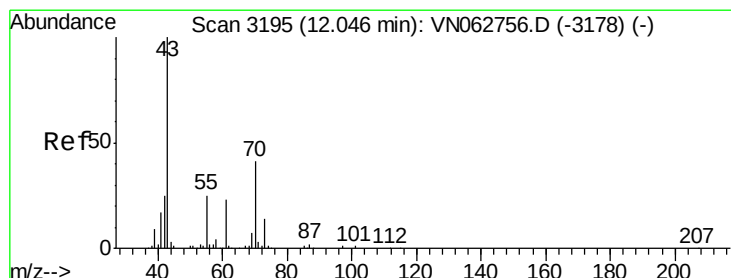
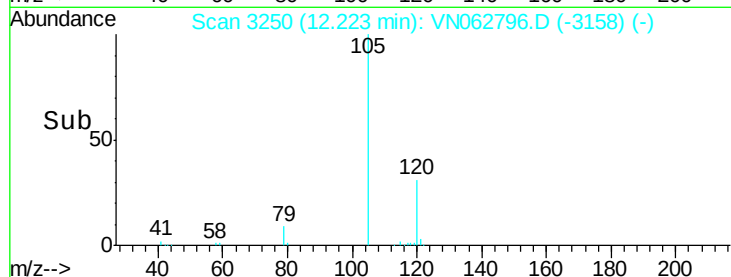
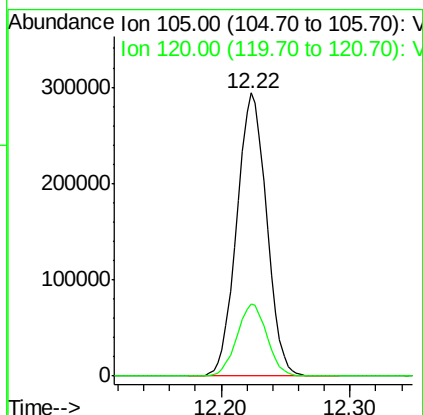
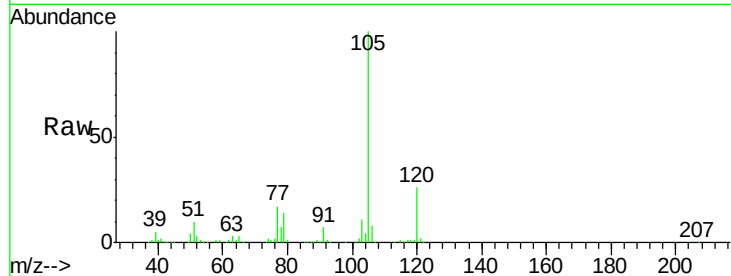
#73
Isopropylbenzene
Concen: 48.494 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. -0.00 min
Lab File: VN062796.D
Acq: 10 Aug 2020 9:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.6	12.6	37.8

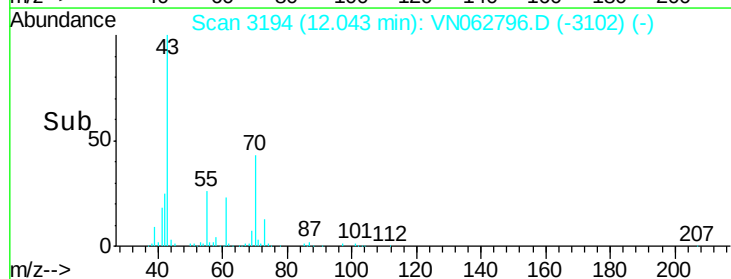
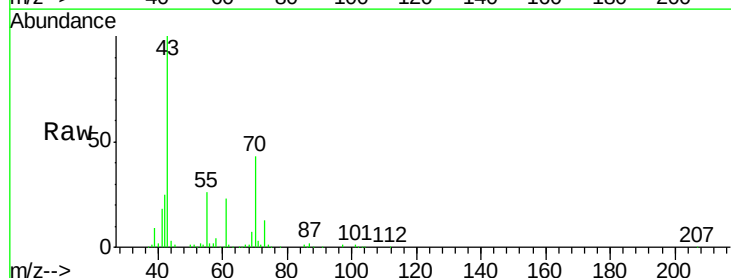
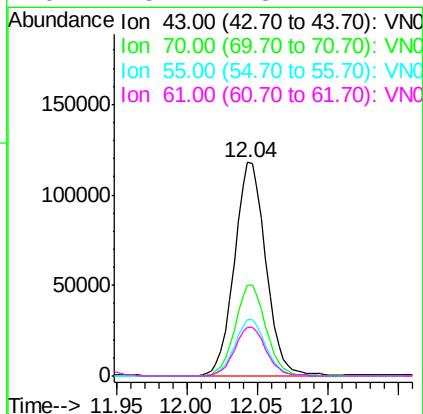
Manual Integrations
APPROVED

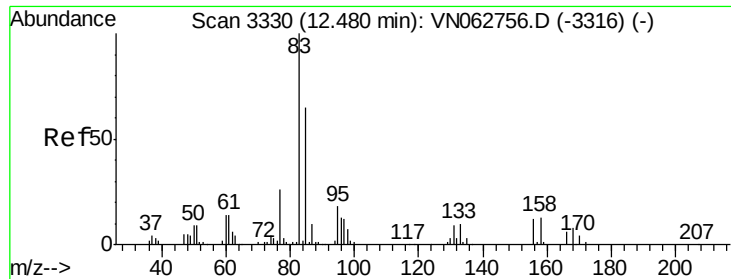
sam
8/11/2020 3:24:39 PM



#74
N-ethyl acetate
Concen: 46.508 ug/l
RT: 12.04 min Scan# 3194
Delta R.T. -0.00 min
Lab File: VN062796.D
Acq: 10 Aug 2020 9:19

Tgt Ion	Ratio	Lower	Upper
43	100		
70	42.1	32.3	48.5
55	26.6	20.2	30.2
61	23.1	18.2	27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 43.172 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN062796.D

Acq: 10 Aug 2020 9:19

Instrument :

MSVOA_N

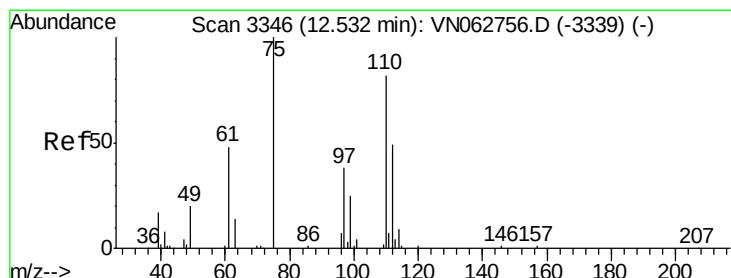
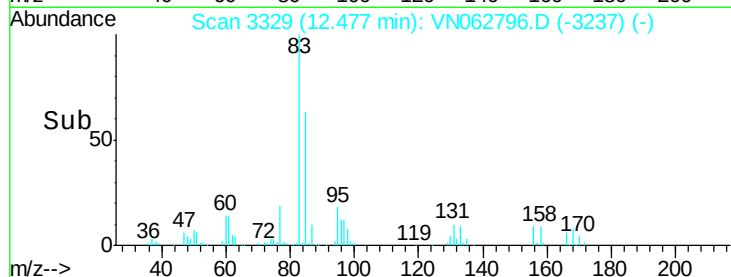
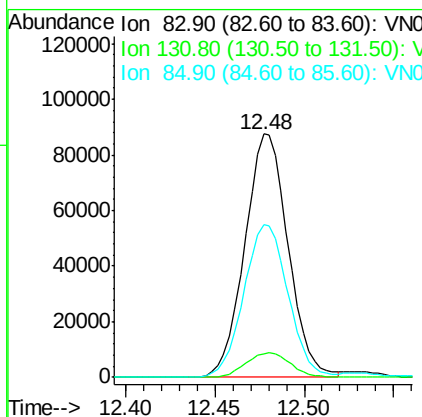
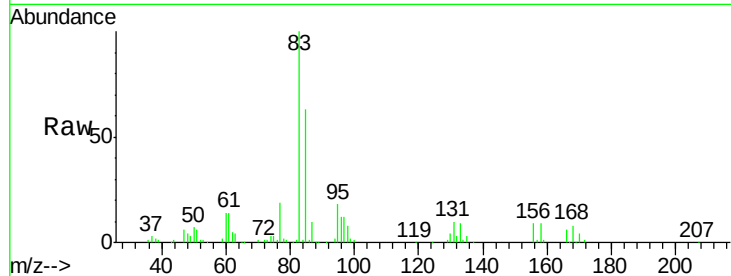
ClientSampled :

VSTDCCC050

Tot Ion:	83	Resp:	148201
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.1	15.4
85	64.2	31.9	95.9

Manual Integrations
APPROVED

Sam
8/11/2020 3:24:39 PM



#76

1,2,3-Trichloropropane

Concen: 42.870 ug/l m

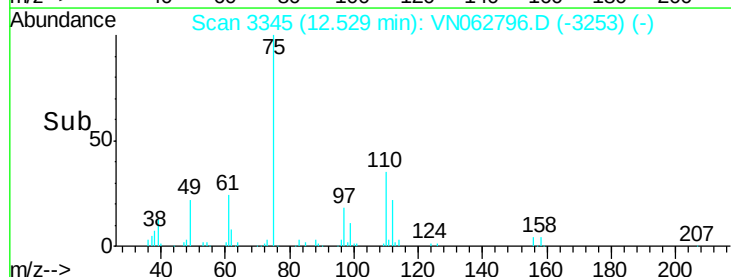
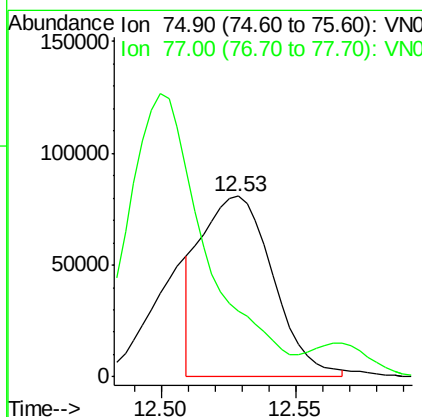
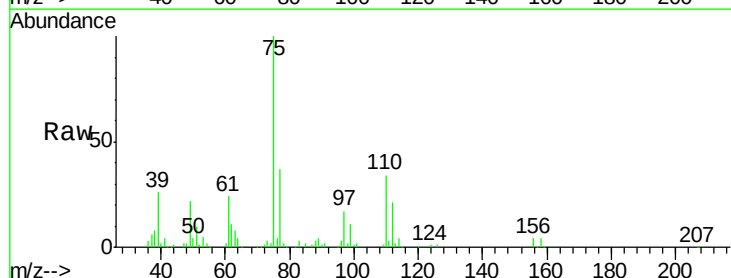
RT: 12.53 min Scan# 3345

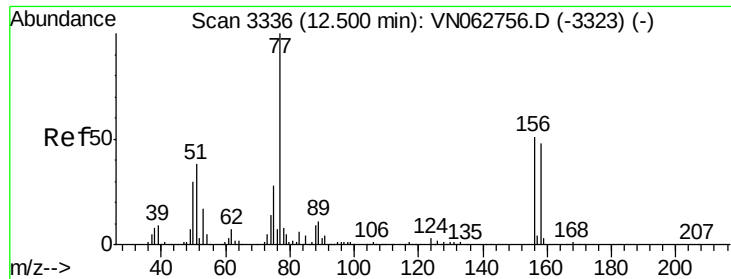
Delta R.T. -0.00 min

Lab File: VN062796.D

Acq: 10 Aug 2020 9:19

Tgt Ion:	75	Resp:	149726
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 46.448 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN062796.D

Acq: 10 Aug 2020 9:19

Instrument :

MSVOA_N

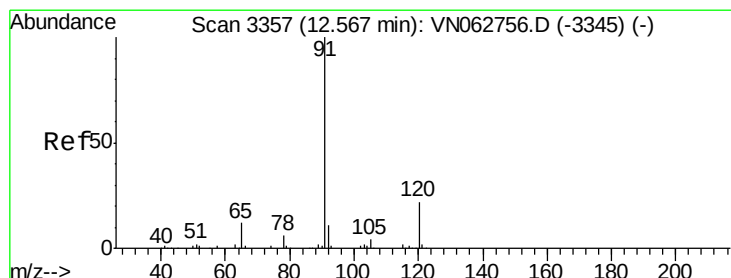
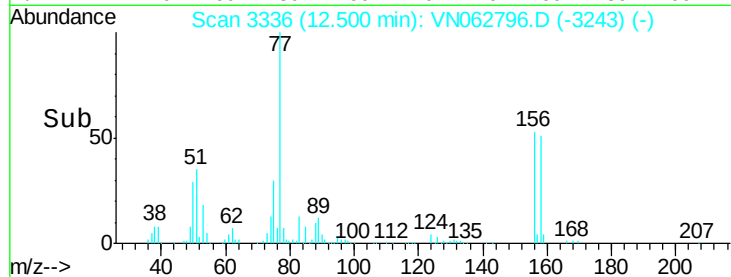
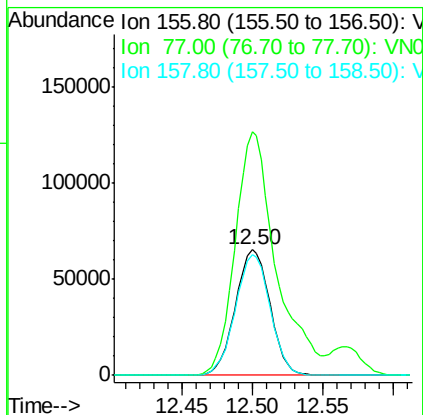
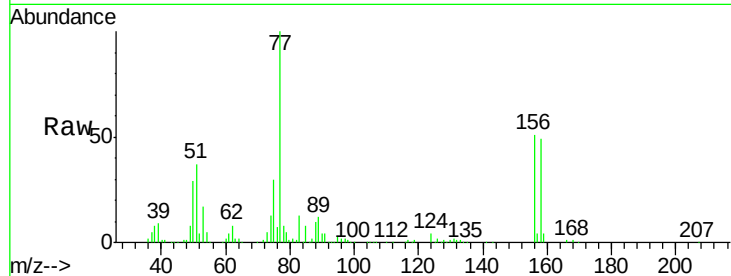
ClientSampled :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	228.9	119.7	359.1
158	96.7	48.1	144.3

Manual Integrations
APPROVED

sam
8/11/2020 3:24:39 PM



#78

n-propylbenzene

Concen: 49.458 ug/l

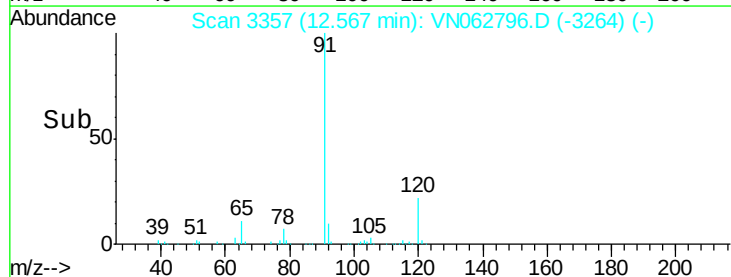
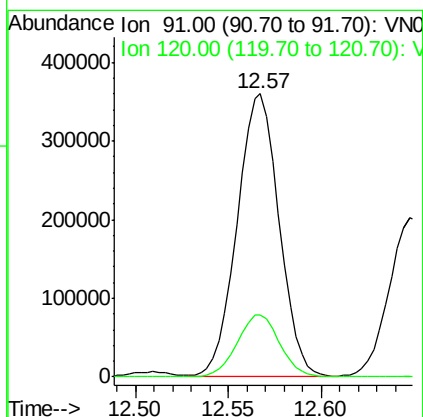
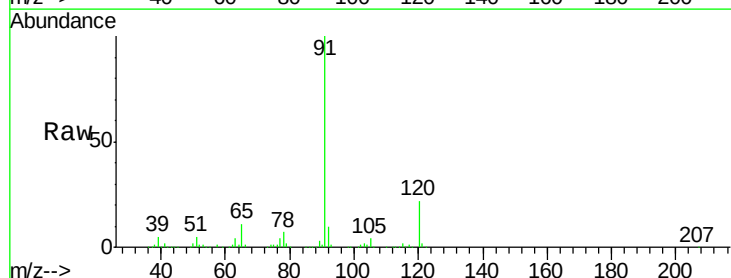
RT: 12.57 min Scan# 3357

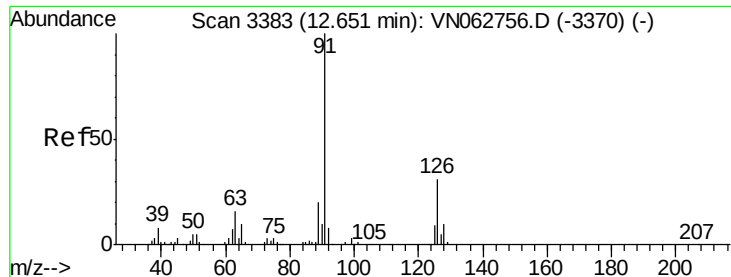
Delta R.T. -0.00 min

Lab File: VN062796.D

Acq: 10 Aug 2020 9:19

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.3	10.9	32.9





#79

2-Chlorotoluene

Concen: 47.241 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN062796.D

Acq: 10 Aug 2020 9:19

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 339102

Ion Ratio Lower Upper

91 100

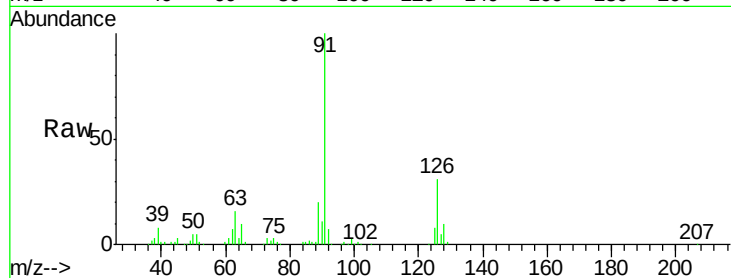
126 31.8 15.6 46.7

Manual Integrations

APPROVED

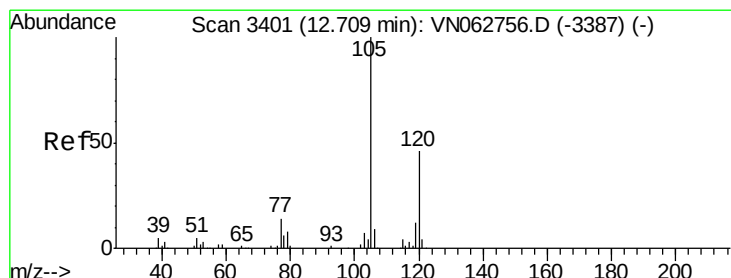
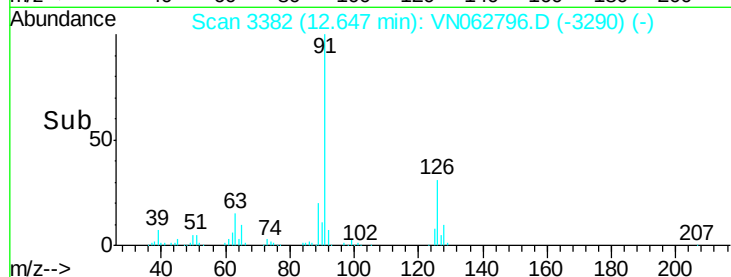
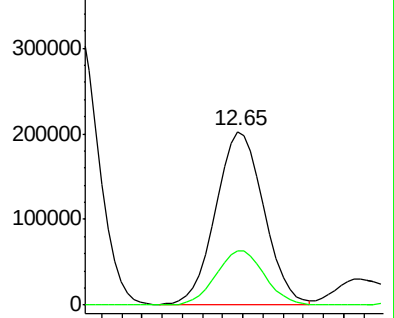
sam

8/11/2020 3:24:39 PM



Abundance Ion 91.00 (90.70 to 91.70): VN062756.D (-3370) (-)

Ion 125.90 (125.60 to 126.60): VN062756.D (-3370) (-)



#80

1,3,5-Trimethylbenzene

Concen: 50.586 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN062796.D

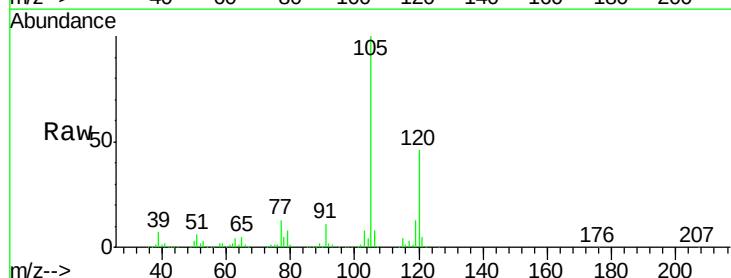
Acq: 10 Aug 2020 9:19

Tgt Ion: 105 Resp: 427947

Ion Ratio Lower Upper

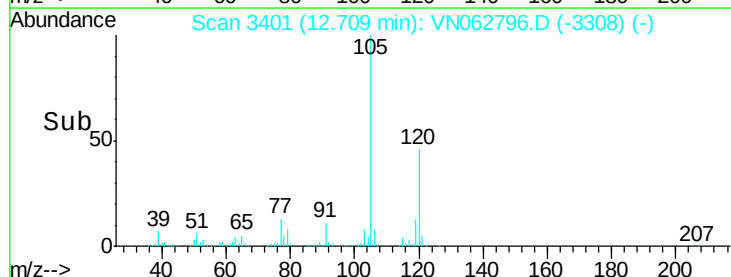
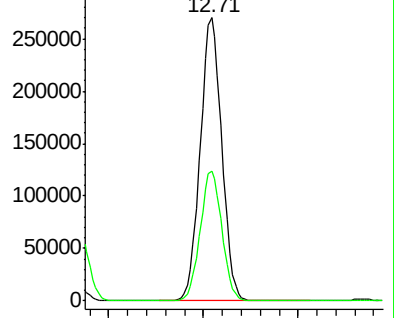
105 100

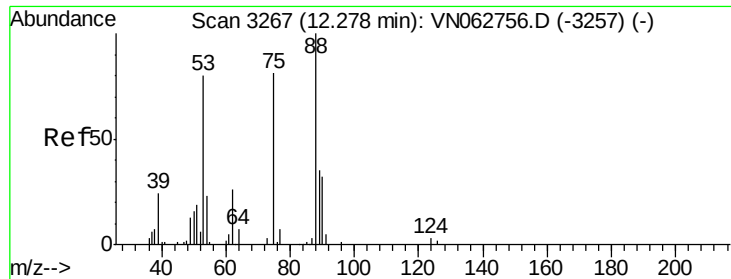
120 46.0 22.9 68.5



Abundance Ion 105.00 (104.70 to 105.70): VN062756.D (-3387) (-)

Ion 120.00 (119.70 to 120.70): VN062756.D (-3387) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 48.228 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN062796.D

Acq: 10 Aug 2020 9:19

Instrument :

MSVOA_N

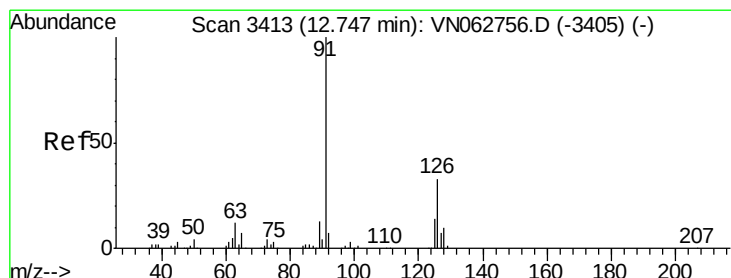
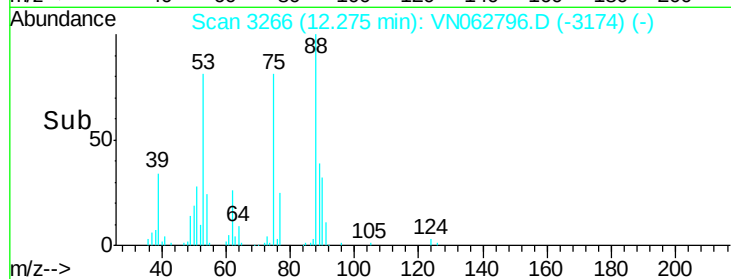
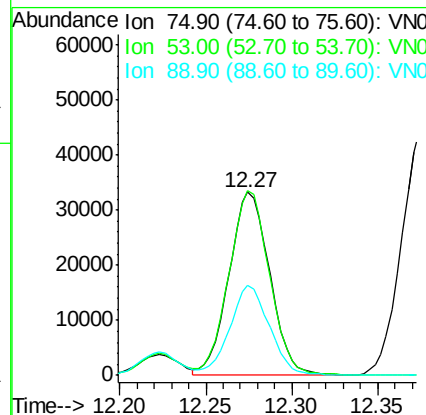
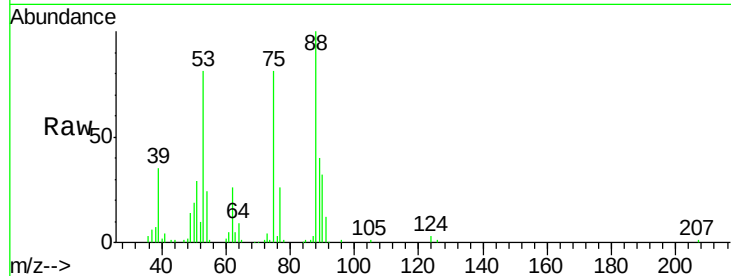
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	55176
Ion	Ratio	Lower	Upper
75	100		
53	100.6	79.1	118.7
89	47.6	36.2	54.2

Manual Integrations
APPROVED

sam
8/11/2020 3:24:39 PM



#82

4-Chlorotoluene

Concen: 49.146 ug/l

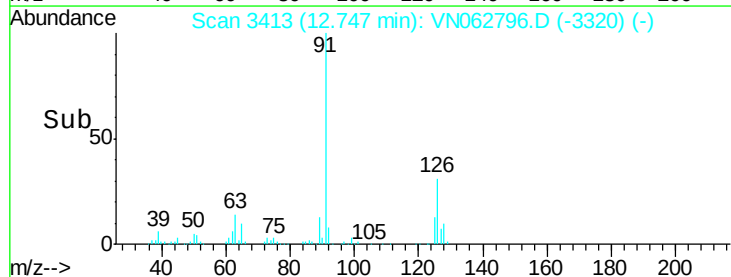
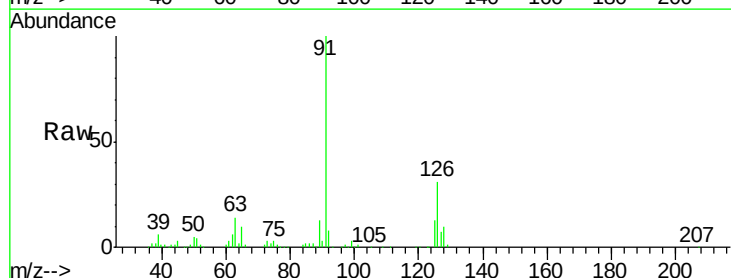
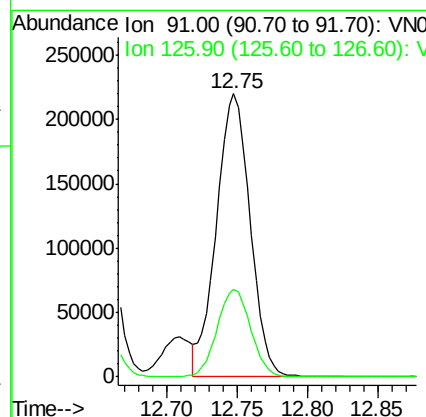
RT: 12.75 min Scan# 3413

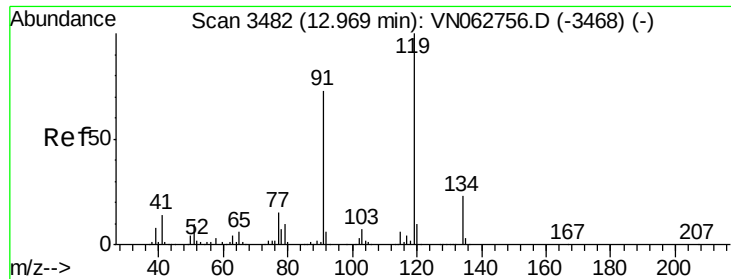
Delta R.T. -0.00 min

Lab File: VN062796.D

Acq: 10 Aug 2020 9:19

Tgt Ion:	91	Resp:	363547
Ion	Ratio	Lower	Upper
91	100		
126	30.9	15.3	45.9





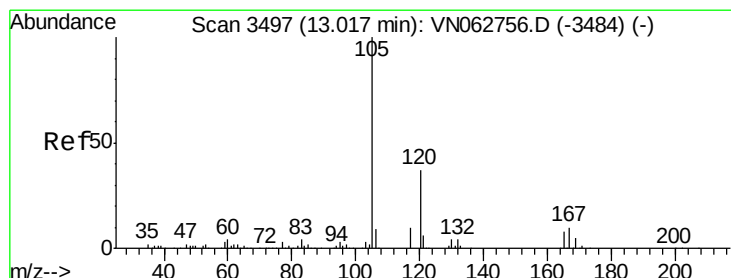
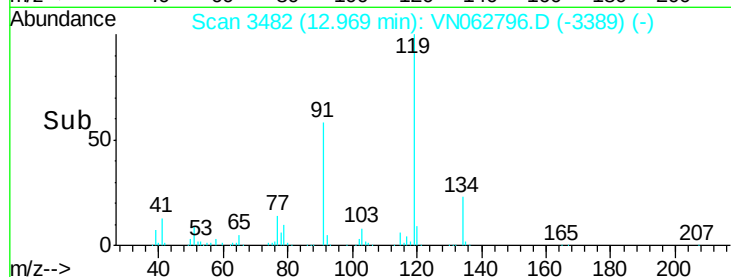
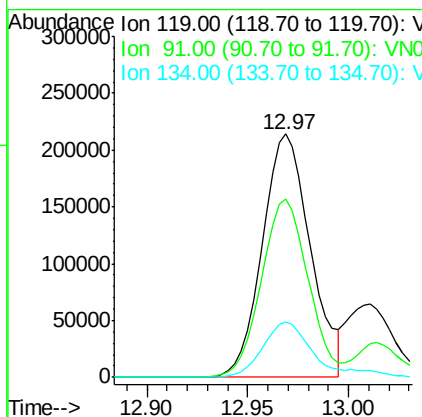
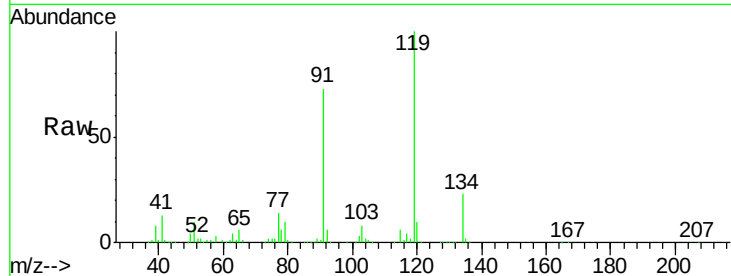
#83
 tert-Butylbenzene
 Concen: 49.639 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN062796.D
 Acq: 10 Aug 2020 9:19

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	355339		
91	71.6	36.5	109.5	
134	24.4	11.3	33.8	

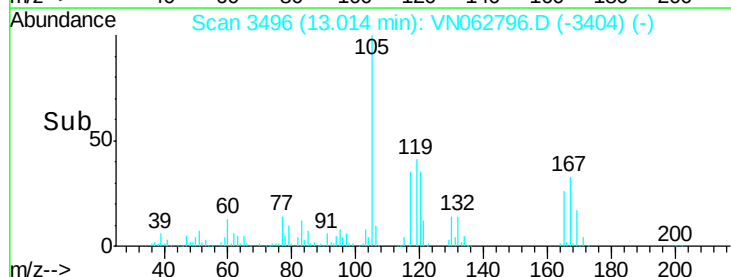
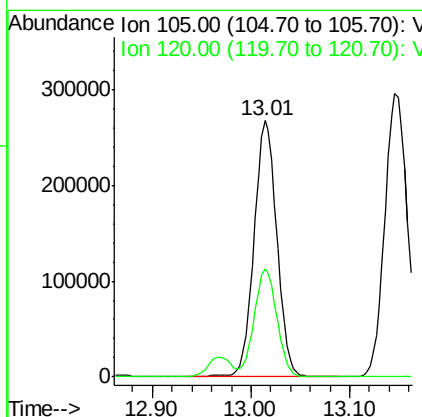
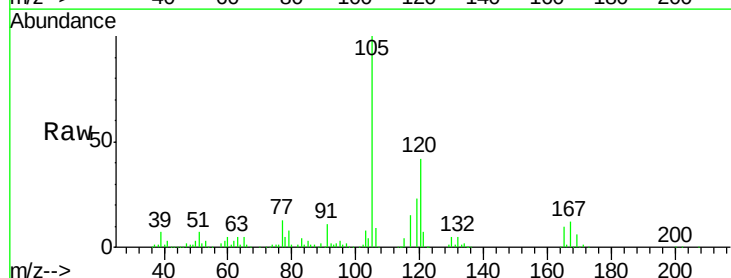
Manual Integrations
 APPROVED

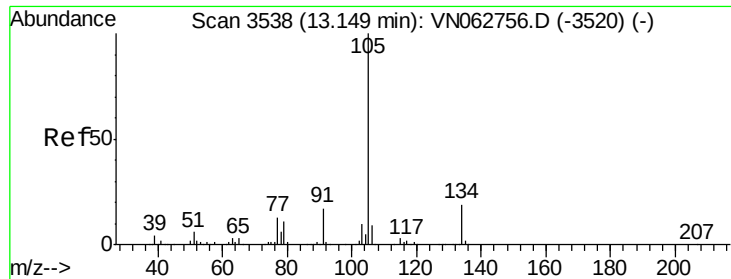
sam
 8/11/2020 3:24:39 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 52.536 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN062796.D
 Acq: 10 Aug 2020 9:19

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	425194		
120	42.3	21.4	64.2	





#85

sec-Butylbenzene

Concen: 50.040 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN062796.D

Acq: 10 Aug 2020 9:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 470397

Ion Ratio Lower Upper

105 100

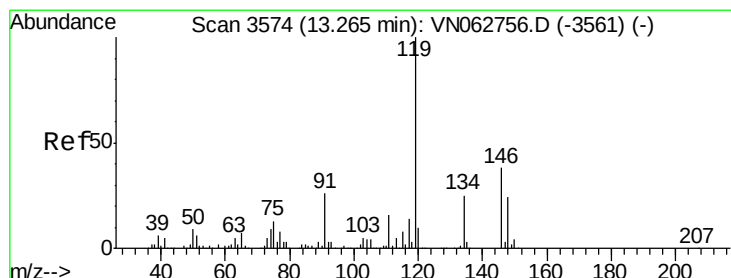
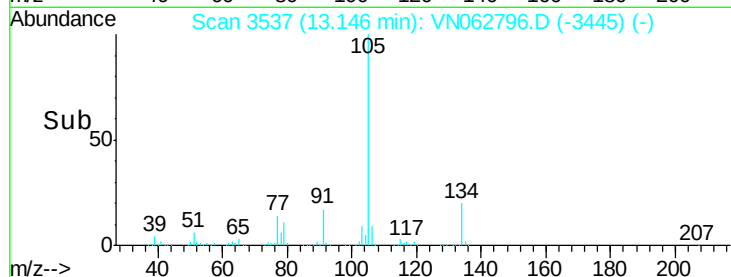
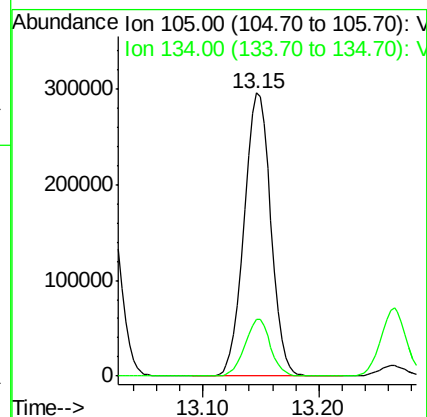
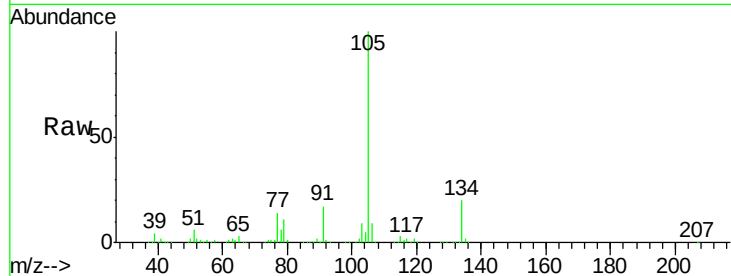
134 19.2 9.6 28.6

Manual Integrations

APPROVED

sam

8/11/2020 3:24:39 PM



#86

p-Isopropyltoluene

Concen: 52.600 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN062796.D

Acq: 10 Aug 2020 9:19

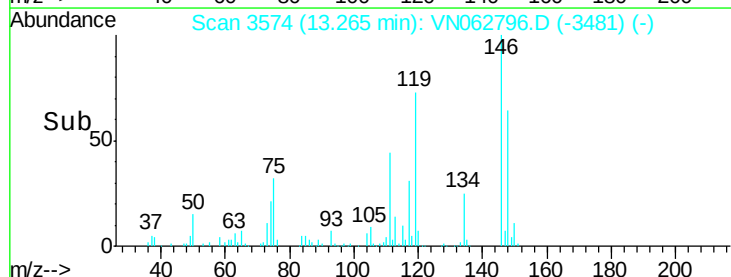
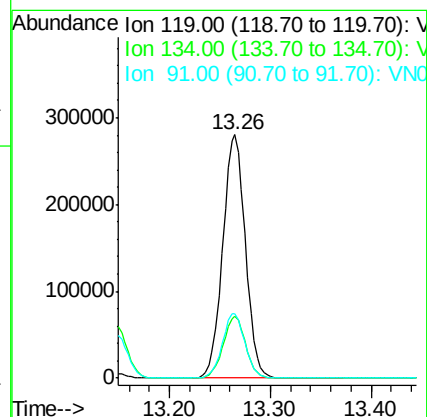
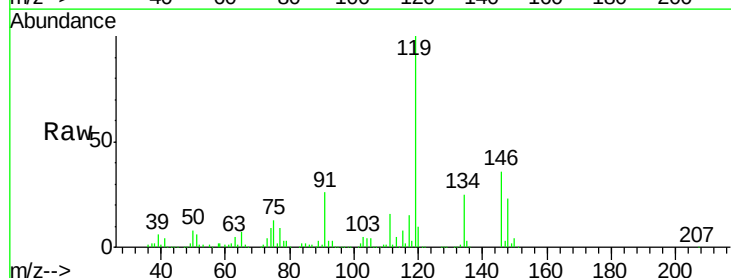
Tgt Ion:119 Resp: 438908

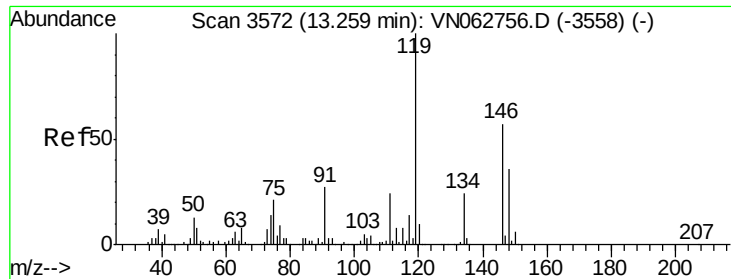
Ion Ratio Lower Upper

119 100

134 25.0 12.6 37.8

91 26.3 13.4 40.2





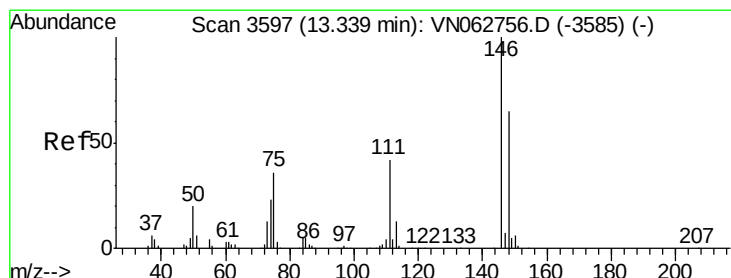
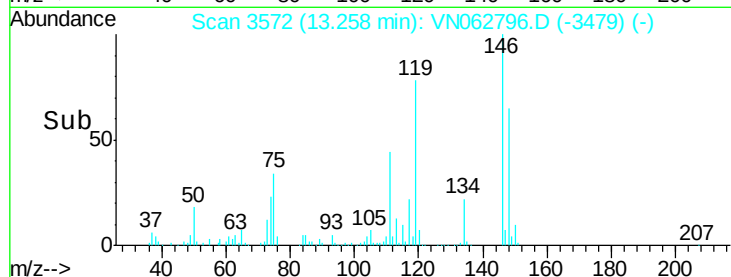
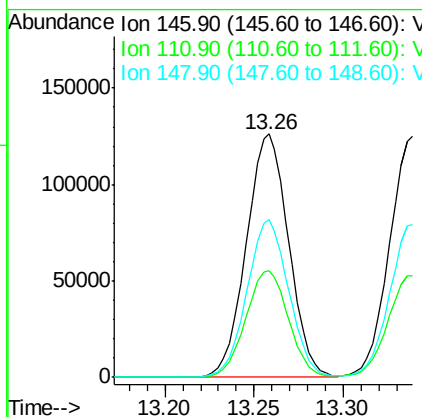
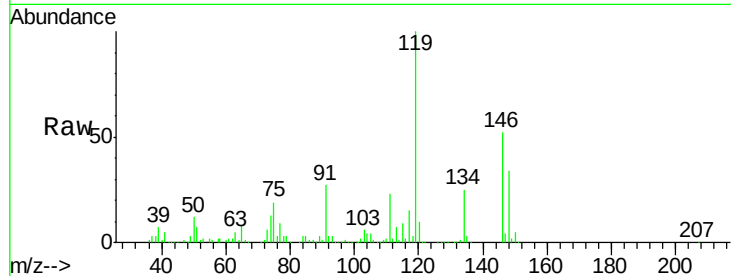
#87
 1,3-Dichlorobenzene
 Concen: 48.308 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN062796.D
 Acq: 10 Aug 2020 9:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	209100		
111	44.3	21.7	65.1	
148	63.8	31.4	94.2	

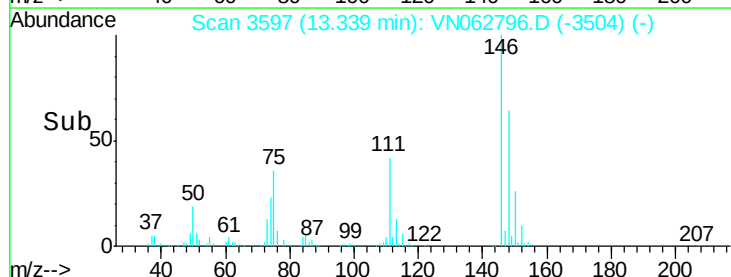
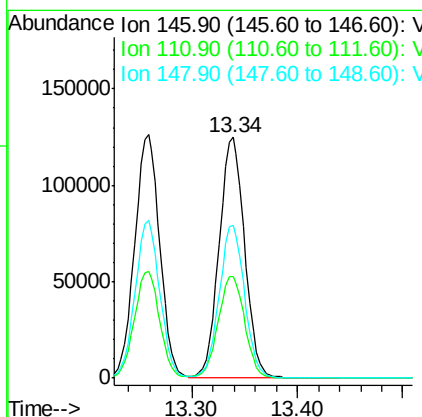
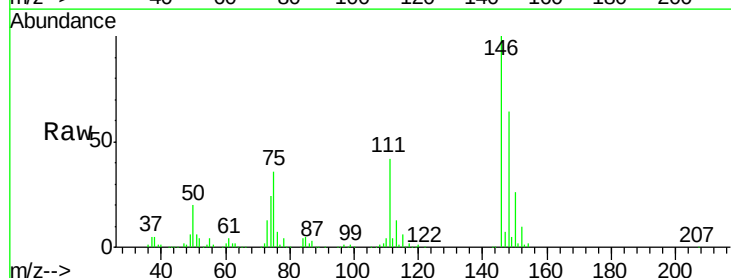
Manual Integrations
 APPROVED

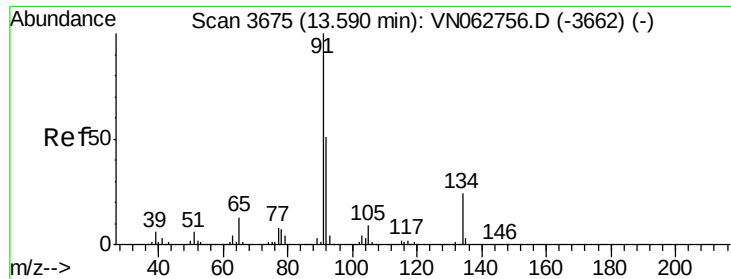
sam
 8/11/2020 3:24:39 PM



#88
 1,4-Dichlorobenzene
 Concen: 48.144 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN062796.D
 Acq: 10 Aug 2020 9:19

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	209011		
111	43.6	21.6	64.6	
148	62.5	32.6	97.8	





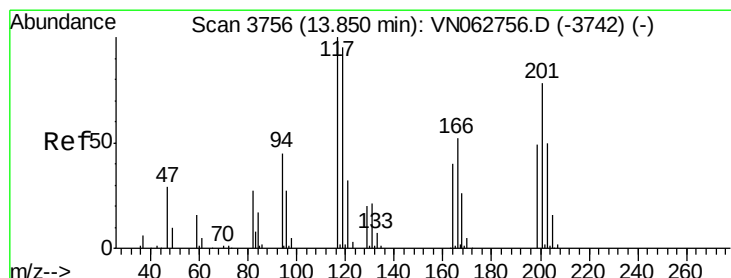
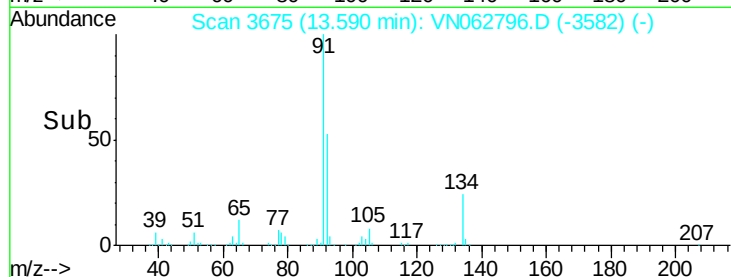
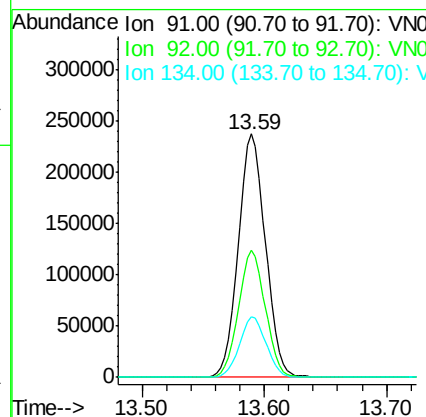
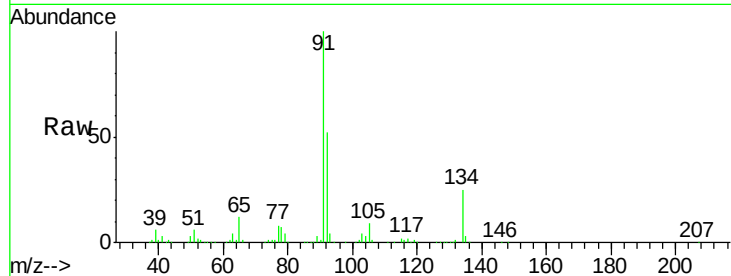
#89
n-Butylbenzene
Concen: 51.868 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN062796.D
Acq: 10 Aug 2020 9:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.4	25.7	77.0
134	24.2	12.2	36.6

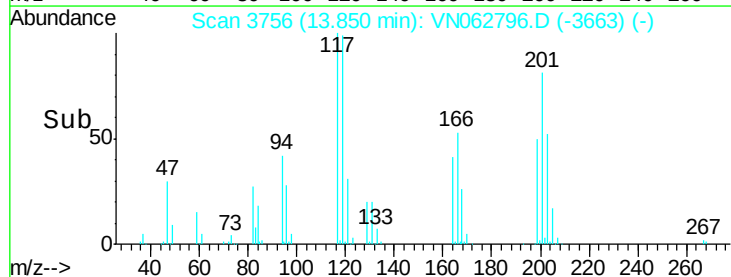
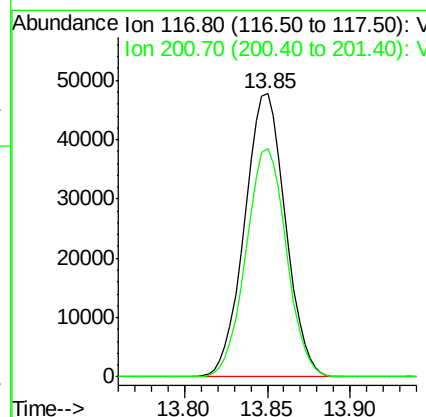
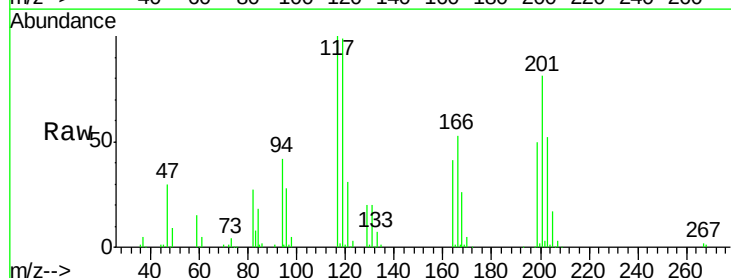
Manual Integrations
APPROVED

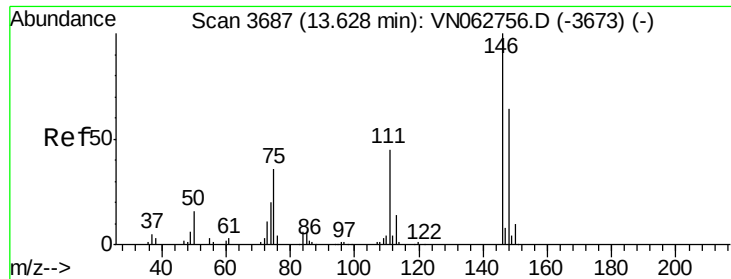
sam
8/11/2020 3:24:39 PM



#90
Hexachloroethane
Concen: 45.563 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. -0.00 min
Lab File: VN062796.D
Acq: 10 Aug 2020 9:19

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.6	39.2	117.6





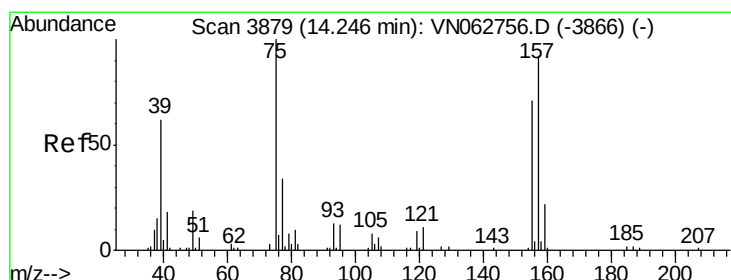
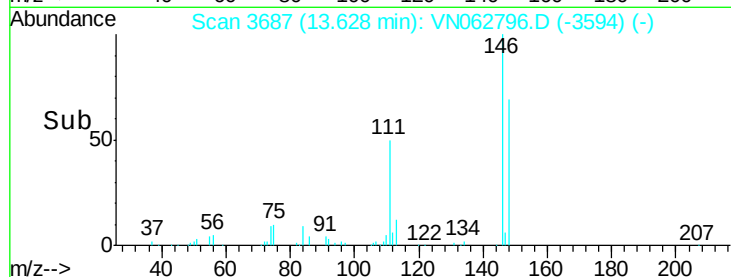
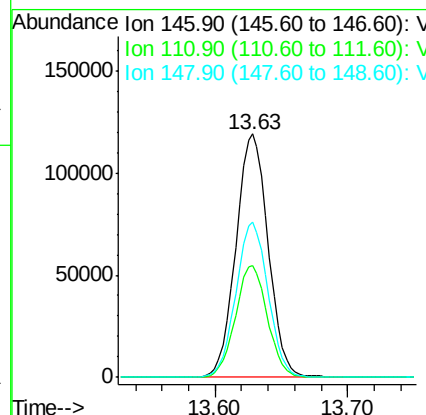
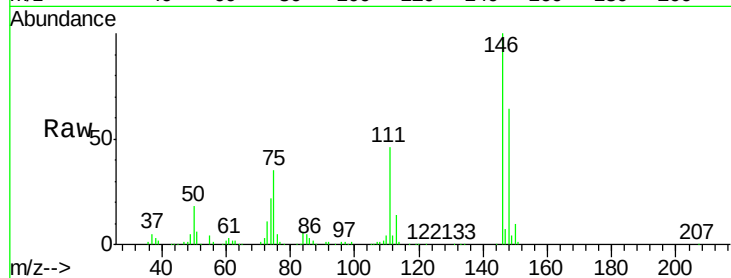
#91
 1,2-Dichlorobenzene
 Concen: 49.455 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN062796.D
 Acq: 10 Aug 2020 9:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.7	22.8	68.4
148	63.6	31.9	95.5

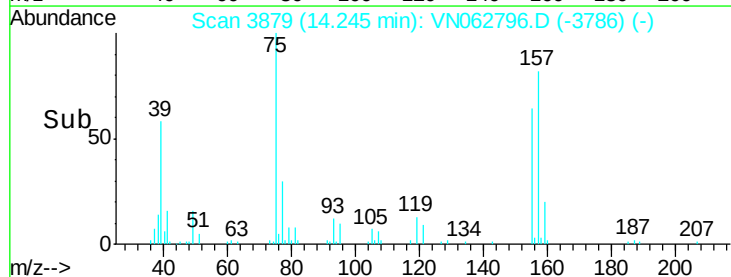
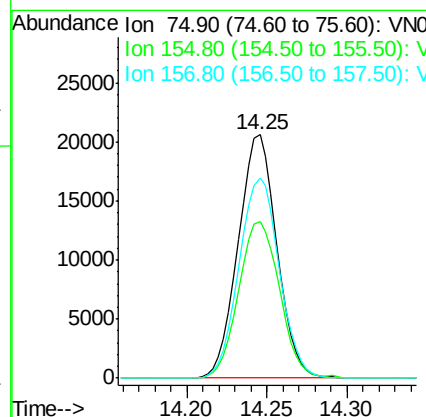
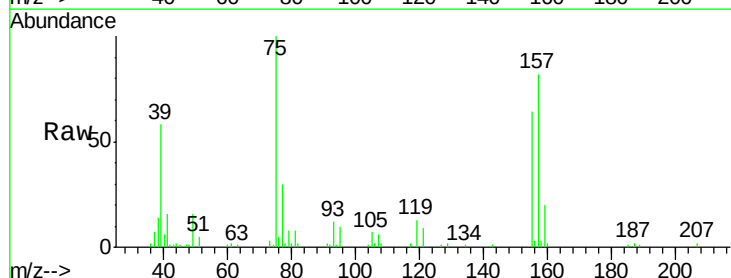
Manual Integrations
 APPROVED

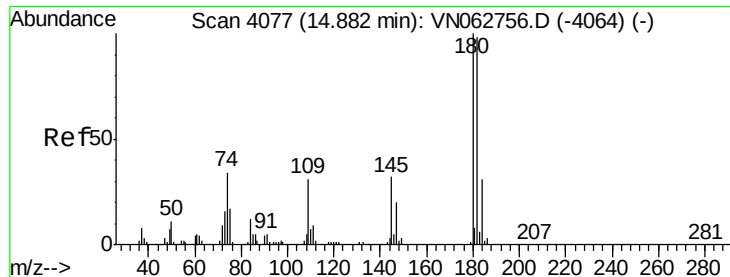
sam
 8/11/2020 3:24:39 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.933 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. -0.00 min
 Lab File: VN062796.D
 Acq: 10 Aug 2020 9:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	68.1	35.0	105.1
157	85.4	43.2	129.6





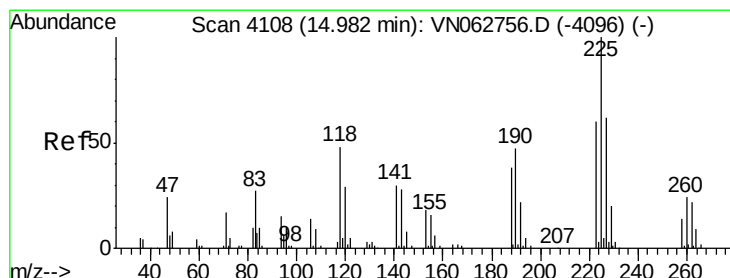
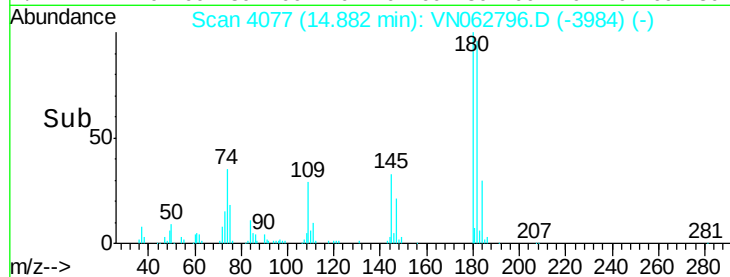
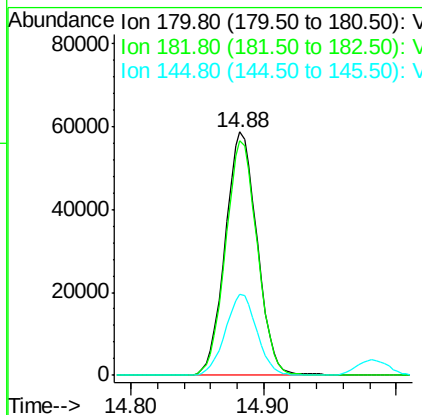
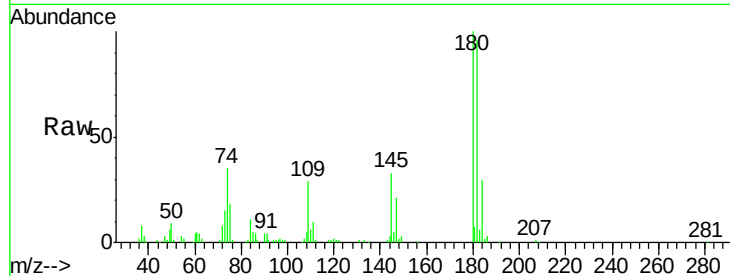
#93
 1,2,4-Trichlorobenzene
 Concen: 45.279 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN062796.D
 Acq: 10 Aug 2020 9:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.6	49.1	147.4	
145	32.9	16.3	48.8	

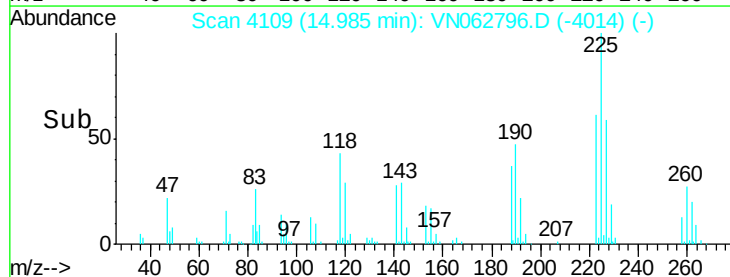
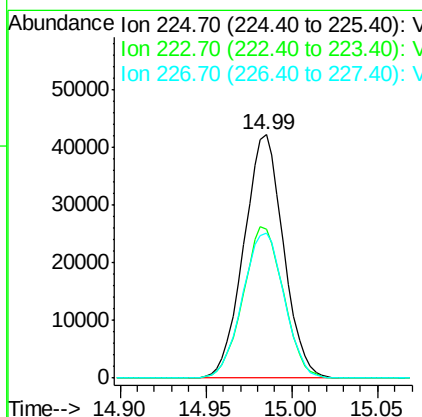
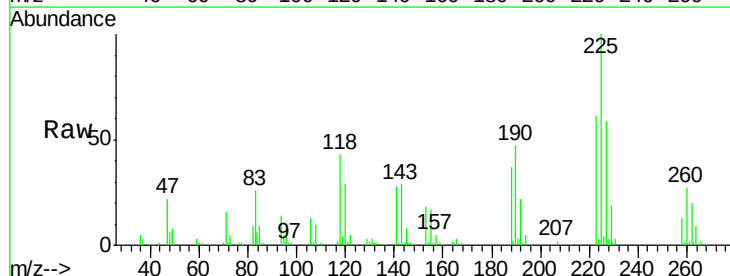
Manual Integrations
 APPROVED

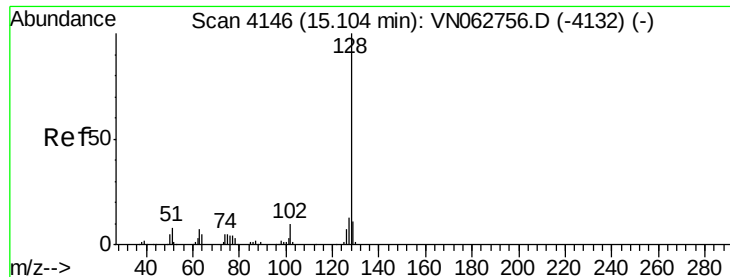
Sam
 8/11/2020 3:24:39 PM



#94
 Hexachlorobutadiene
 Concen: 52.844 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN062796.D
 Acq: 10 Aug 2020 9:19

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.5	30.6	92.0	
227	62.8	31.6	95.0	





#95

Naphthalene

Concen: 41.281 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. -0.00 min

Lab File: VN062796.D

Acq: 10 Aug 2020 9:19

Instrument :

MSVOA_N

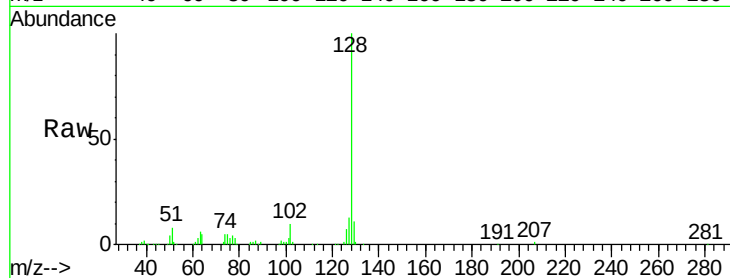
ClientSampleId :

VSTDCCC050

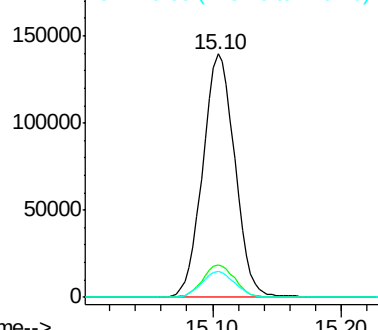
Tot Ion:	128	Resp:	241600
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.8	16.2
129	11.0	8.8	13.2

Manual Integrations
APPROVED

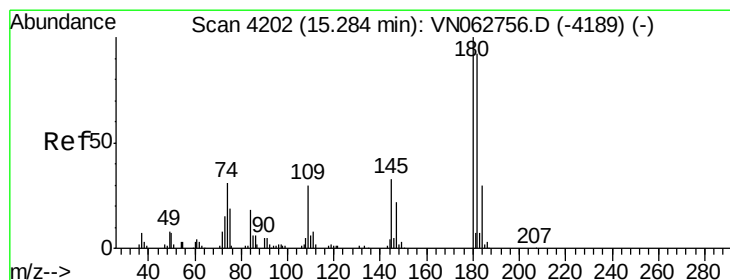
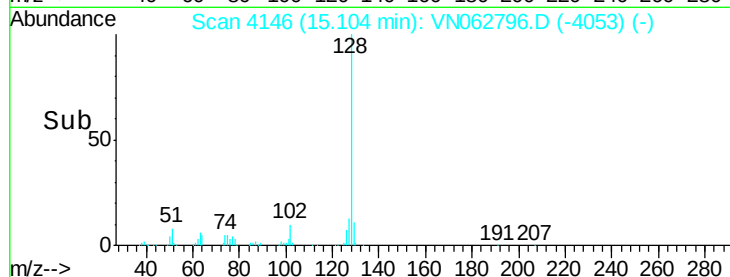
sam
8/11/2020 3:24:39 PM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 45.162 ug/l

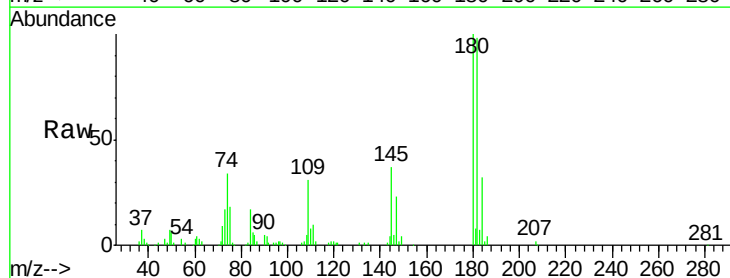
RT: 15.28 min Scan# 4202

Delta R.T. 0.00 min

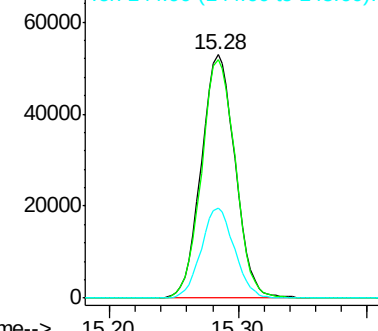
Lab File: VN062796.D

Acq: 10 Aug 2020 9:19

Tgt Ion:	180	Resp:	96408
Ion Ratio	Lower	Upper	
180	100		
182	97.4	47.9	143.6
145	36.1	17.3	51.7



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V



Time-->

