

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100120\
 Data File : VN063788.D
 Acq On : 1 Oct 2020 21:45
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/2/2020 3:11:56 PM

Quant Time: Oct 02 03:45:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	273924	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	472758	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	442512	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	216132	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	204991	45.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.60%	
35) Dibromofluoromethane	7.55	113	138289	42.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.32%	
50) Toluene-d8	10.06	98	532316	42.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.62%	
62) 4-Bromofluorobenzene	12.38	95	203043	43.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	123091	42.587	ug/l	99
3) Chloromethane	2.04	50	147589	43.518	ug/l	98
4) Vinyl Chloride	2.16	62	147832	43.425	ug/l	99
5) Bromomethane	2.53	94	89563	41.826	ug/l	98
6) Chloroethane	2.67	64	95350	46.873	ug/l	97
7) Trichlorofluoromethane	2.98	101	243587	45.116	ug/l	98
8) Diethyl Ether	3.37	74	83844	45.917	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	126503	43.837	ug/l	99
10) Methyl Iodide	3.91	142	164777	49.177	ug/l	99
11) Tert butyl alcohol	4.73	59	123373	246.933	ug/l	98
12) 1,1-Dichloroethene	3.70	96	124980	45.309	ug/l	96
13) Acrolein	3.57	56	69471	226.556	ug/l	96
14) Allyl chloride	4.28	41	217778	42.498	ug/l	95
15) Acrylonitrile	4.93	53	345006	241.240	ug/l	99
16) Acetone	3.78	43	322953	231.829	ug/l	100
17) Carbon Disulfide	4.01	76	331976	44.605	ug/l	99
18) Methyl Acetate	4.28	43	175313	48.470	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	476872	47.585	ug/l	99
20) Methylene Chloride	4.51	84	154201	48.330	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	140593	45.505	ug/l	97
22) Diisopropyl ether	5.90	45	516631	49.001	ug/l	98
23) Vinyl Acetate	5.84	43	2155722	246.829	ug/l	100
24) 1,1-Dichloroethane	5.80	63	284264	47.154	ug/l	99
25) 2-Butanone	6.78	43	489088	247.636	ug/l	99
26) 2,2-Dichloropropane	6.78	77	207381	37.565	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	162645	45.772	ug/l	98
28) Bromochloromethane	7.15	49	143334	48.106	ug/l	98
29) Tetrahydrofuran	7.16	42	328795	248.215	ug/l	99
30) Chloroform	7.33	83	302190	48.076	ug/l	95
31) Cyclohexane	7.61	56	226101	43.036	ug/l	96
32) 1,1,1-Trichloroethane	7.53	97	268916	47.432	ug/l	99
36) 1,1-Dichloropropene	7.75	75	207799	43.386	ug/l	98
37) Ethyl Acetate	6.88	43	210513	44.240	ug/l #	94
38) Carbon Tetrachloride	7.73	117	236347	44.007	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100120\
 Data File : VN063788.D
 Acq On : 1 Oct 2020 21:45
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/2/2020 3:11:56 PM

Quant Time: Oct 02 03:45:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	193801	40.576	ug/l	99
40) Benzene	8.00	78	611474	44.698	ug/l	100
41) Methacrylonitrile	7.12	41	95965	45.377	ug/l #	87
42) 1,2-Dichloroethane	8.08	62	267897	45.877	ug/l	100
43) Isopropyl Acetate	8.13	43	371040	47.273	ug/l	100
44) Trichloroethene	8.80	130	154178	43.014	ug/l	98
45) 1,2-Dichloropropane	9.08	63	165746	44.863	ug/l	100
46) Dibromomethane	9.17	93	114107	44.771	ug/l	98
47) Bromodichloromethane	9.37	83	245866	46.808	ug/l	99
48) Methyl methacrylate	9.17	41	187290	48.298	ug/l	96
49) 1,4-Dioxane	9.16	88	49745	902.611	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	1118218	242.771	ug/l	100
52) Toluene	10.13	92	388852	45.955	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	256170	45.496	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	266858	45.318	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	160506	47.300	ug/l	95
56) Ethyl methacrylate	10.40	69	237300	49.335	ug/l	98
57) 1,3-Dichloropropane	10.68	76	268574	46.782	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	618819	240.513	ug/l	100
59) 2-Hexanone	10.72	43	818711	239.273	ug/l	99
60) Dibromochloromethane	10.87	129	179032	45.303	ug/l	100
61) 1,2-Dibromoethane	10.98	107	167071	48.131	ug/l	100
64) Tetrachloroethene	10.60	164	141071	41.206	ug/l	99
65) Chlorobenzene	11.41	112	410870	45.263	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	161814	46.499	ug/l	100
67) Ethyl Benzene	11.49	91	764916	46.310	ug/l	99
68) m/p-Xylenes	11.59	106	561370	91.191	ug/l	98
69) o-Xylene	11.92	106	271243	47.142	ug/l	100
70) Styrene	11.94	104	468490	47.967	ug/l	99
71) Bromoform	12.10	173	121524	45.660	ug/l #	97
73) Isopropylbenzene	12.23	105	724729	45.972	ug/l	100
74) N-amyl acetate	12.05	43	334424	45.835	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	227374	47.167	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	212450m	44.591	ug/l	
77) Bromobenzene	12.50	156	180215	46.589	ug/l	99
78) n-propylbenzene	12.57	91	829674	45.222	ug/l	100
79) 2-Chlorotoluene	12.65	91	515839	45.716	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	606470	45.856	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.28	75	73948	44.703	ug/l	98
82) 4-Chlorotoluene	12.75	91	543535	46.402	ug/l	99
83) tert-Butylbenzene	12.97	119	490880	45.375	ug/l	99
84) 1,2,4-Trimethylbenzene	13.02	105	616698	46.704	ug/l	98
85) sec-Butylbenzene	13.15	105	644148	45.333	ug/l	99
86) p-Isopropyltoluene	13.26	119	581994	46.300	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	315983	45.153	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	318865	43.761	ug/l	99
89) n-Butylbenzene	13.59	91	486240	41.911	ug/l	100
90) Hexachloroethane	13.85	117	111812	45.903	ug/l	97
91) 1,2-Dichlorobenzene	13.63	146	316549	45.668	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.24	75	50562	44.724	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100120\
 Data File : VN063788.D
 Acq On : 1 Oct 2020 21:45
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/2/2020 3:11:56 PM

Quant Time: Oct 02 03:45:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	148825	39.851	ug/l	97
94) Hexachlorobutadiene	14.98	225	79754	42.447	ug/l	98
95) Naphthalene	15.10	128	471154	40.770	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	145466	40.113	ug/l	99

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

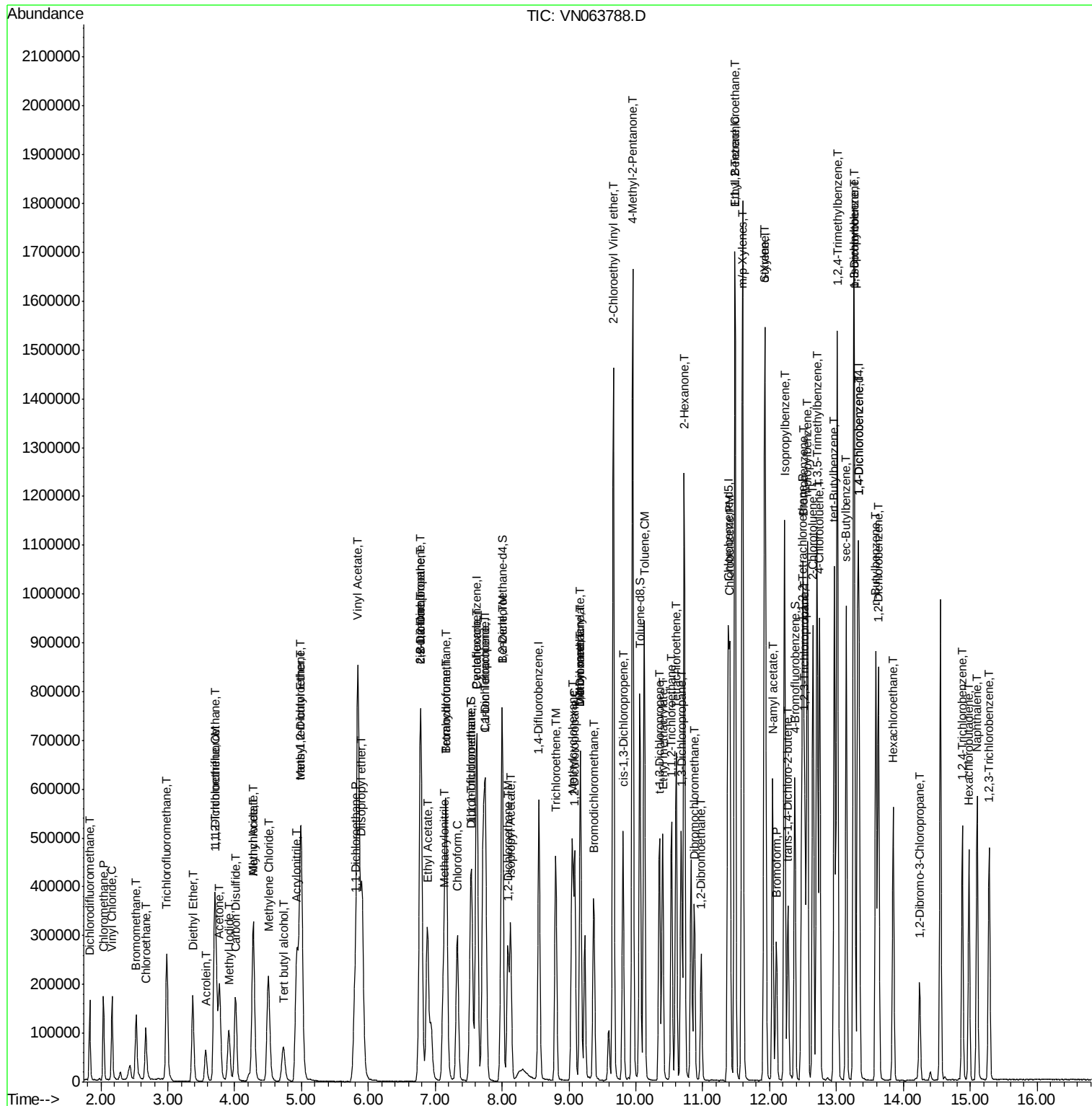
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN100120\
Data File : VN063788.D
Acq On : 1 Oct 2020 21:45
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
10/2/2020 3:11:56 PM

Quant Time: Oct 02 03:45:58 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 01 01:46:38 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN063788.D

Acq: 1 Oct 2020 21:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 273924

Ion Ratio Lower Upper

168 100

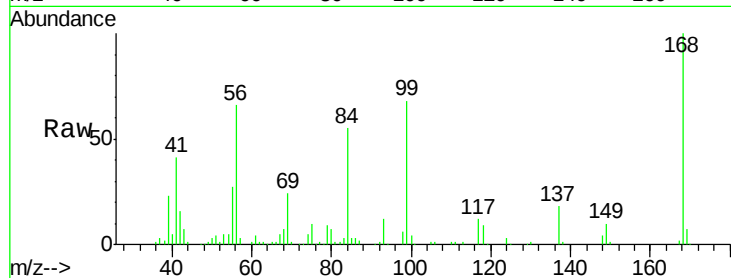
99 67.3 51.8 77.6

Manual Integrations

APPROVED

MMDadoda

10/2/2020 3:11:56 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

120000

100000

80000

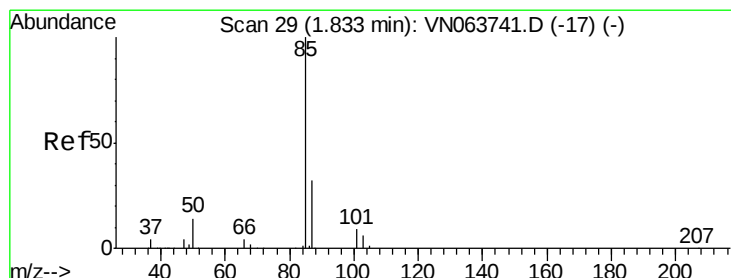
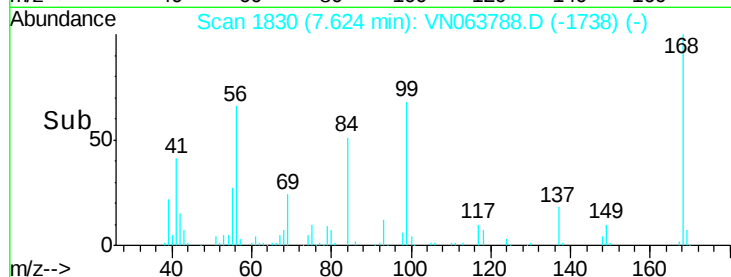
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 42.587 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN063788.D

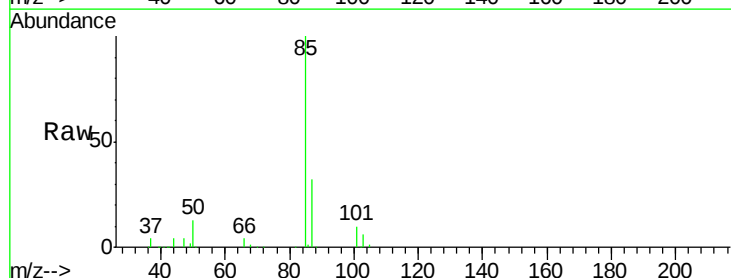
Acq: 1 Oct 2020 21:45

Tgt Ion: 85 Resp: 123091

Ion Ratio Lower Upper

85 100

87 31.6 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

100000

80000

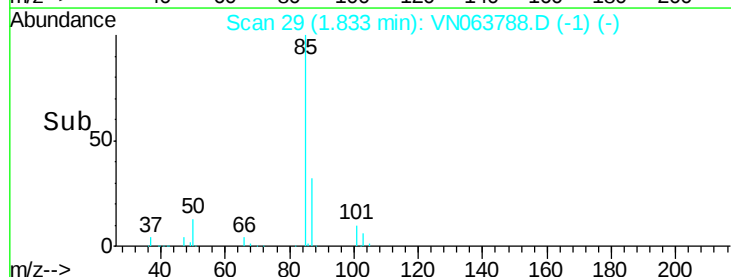
60000

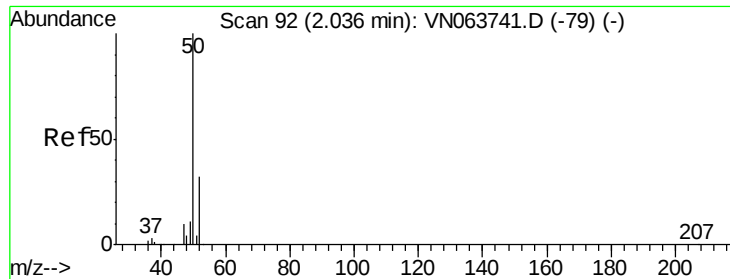
40000

20000

0

Time--> 1.75 1.80 1.85 1.90





#3

Chloromethane

Concen: 43.518 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN063788.D

Acq: 1 Oct 2020 21:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 147589

Ion Ratio Lower Upper

50 100

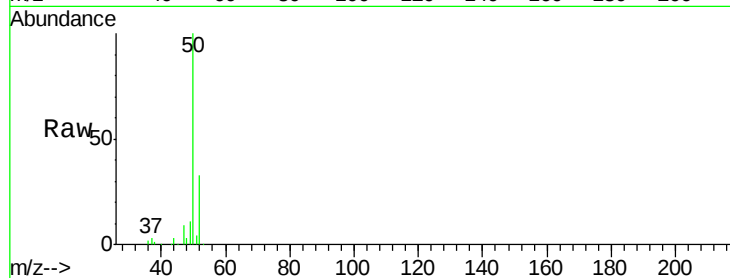
52 33.2 25.8 38.8

Manual Integrations

APPROVED

MMDadoda

10/2/2020 3:11:56 PM



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.04

120000

100000

80000

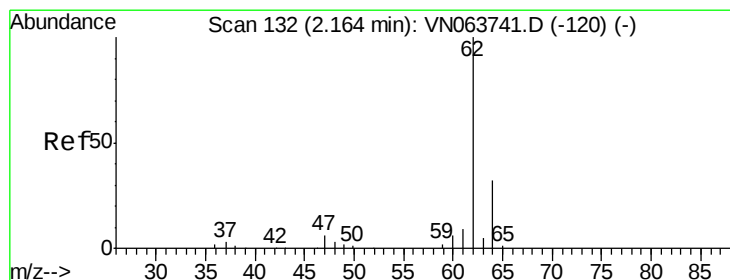
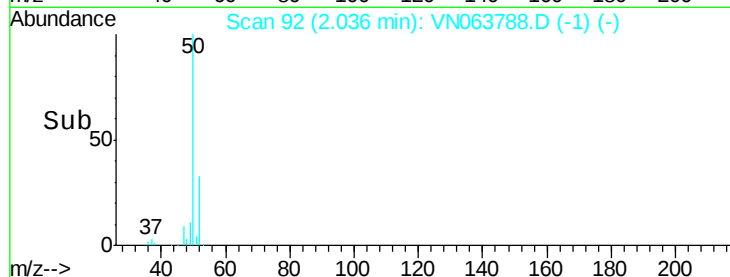
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 43.425 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN063788.D

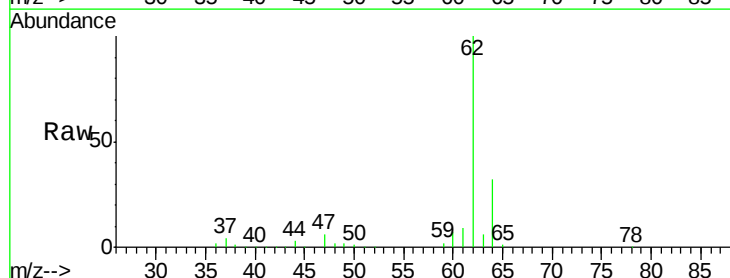
Acq: 1 Oct 2020 21:45

Tgt Ion: 62 Resp: 147832

Ion Ratio Lower Upper

62 100

64 32.4 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.16

100000

80000

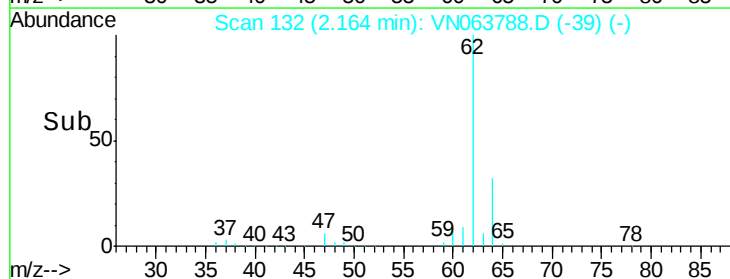
60000

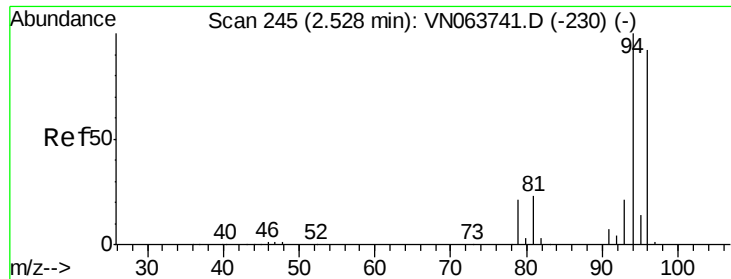
40000

20000

0

Time-->





#5

Bromomethane

Concen: 41.826 ug/l

RT: 2.53 min Scan# 245

Delta R.T. 0.00 min

Lab File: VN063788.D

Acq: 1 Oct 2020 21:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 89563

Ion Ratio Lower Upper

94 100

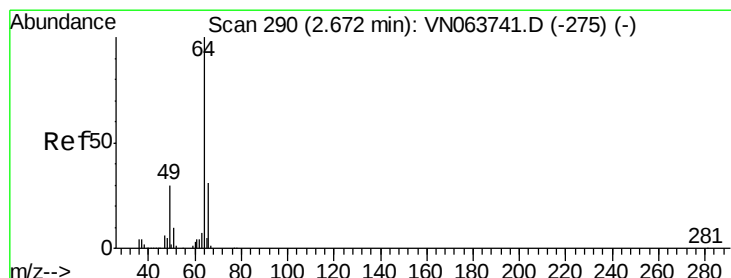
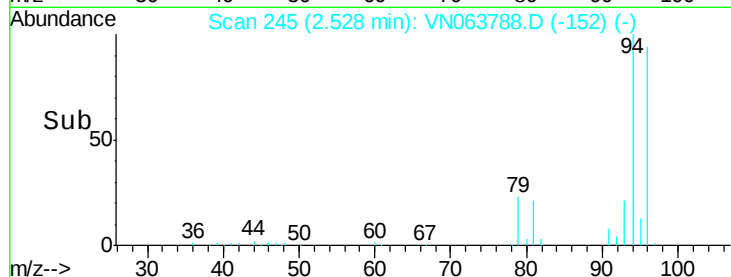
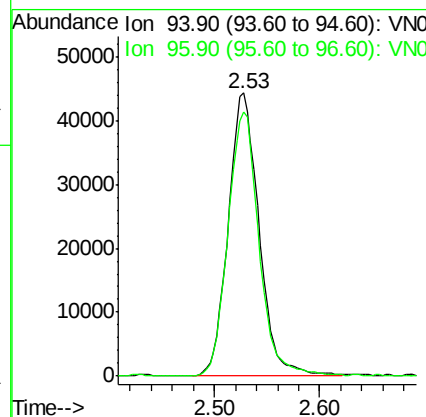
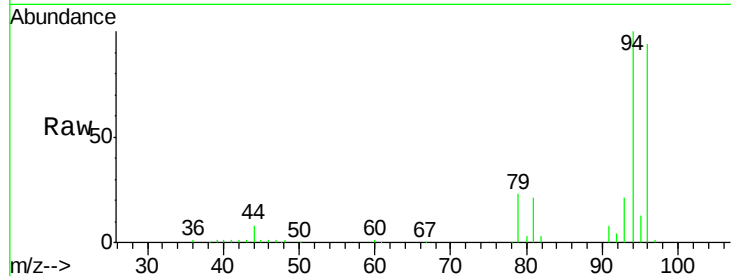
96 93.6 73.3 109.9

Manual Integrations

APPROVED

MMDadoda

10/2/2020 3:11:56 PM



#6

Chloroethane

Concen: 46.873 ug/l

RT: 2.67 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN063788.D

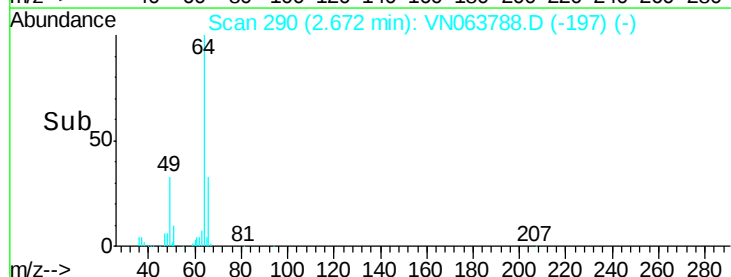
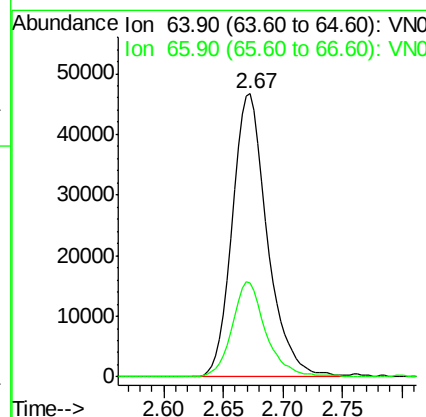
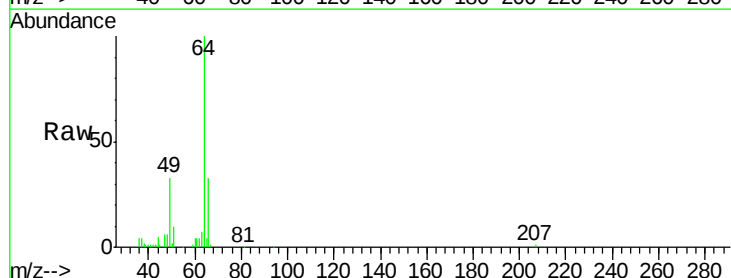
Acq: 1 Oct 2020 21:45

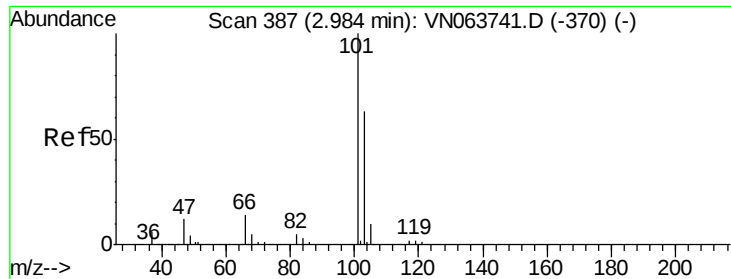
Tgt Ion: 64 Resp: 95350

Ion Ratio Lower Upper

64 100

66 33.3 25.1 37.7





#7

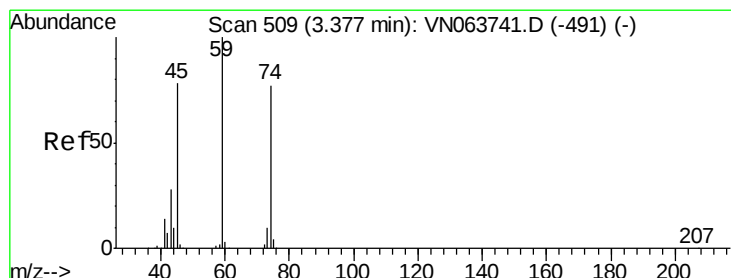
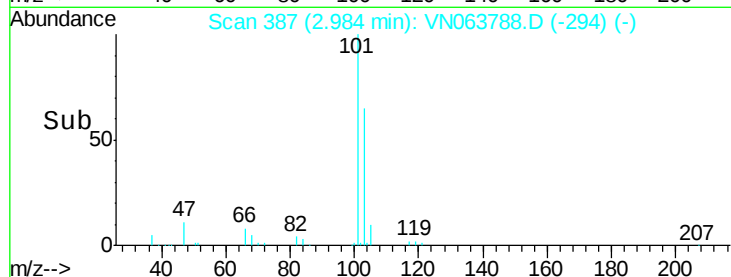
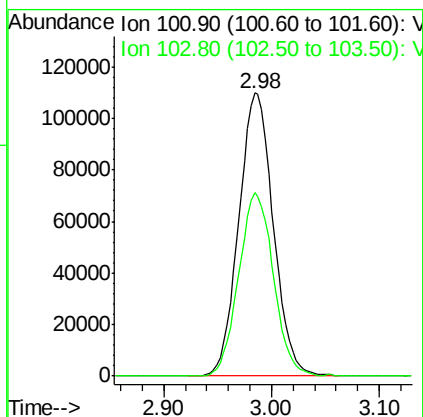
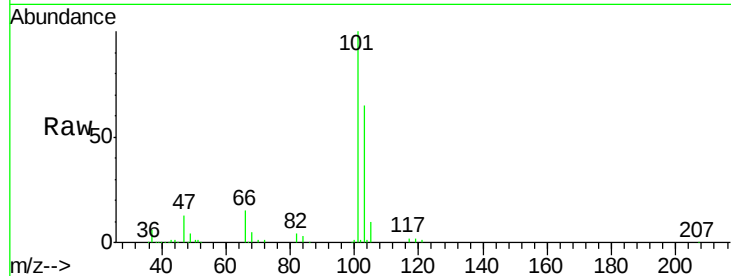
Trichlorofluoromethane
Concen: 45.116 ug/l
RT: 2.98 min Scan# 387
Delta R.T. 0.00 min
Lab File: VN063788.D
Acq: 1 Oct 2020 21:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	50.7	76.1

Manual Integrations
APPROVED

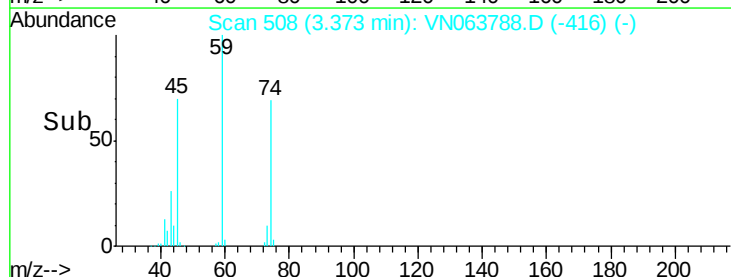
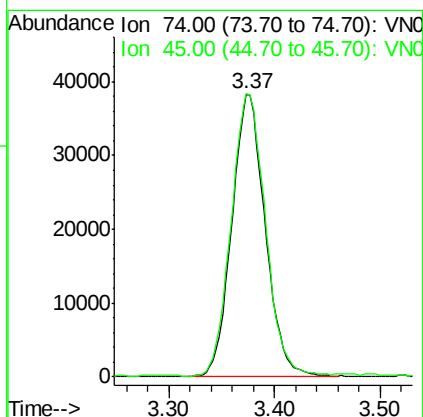
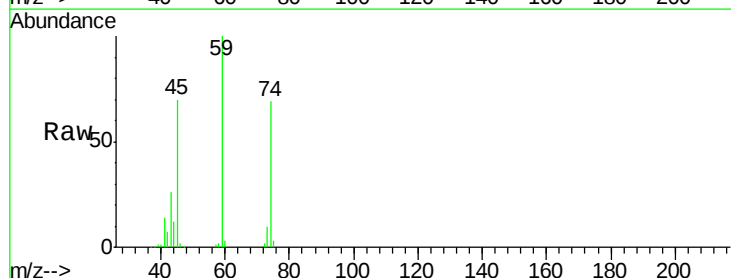
MMDadoda
10/2/2020 3:11:56 PM



#8

Diethyl Ether
Concen: 45.917 ug/l
RT: 3.37 min Scan# 508
Delta R.T. -0.00 min
Lab File: VN063788.D
Acq: 1 Oct 2020 21:45

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.1	50.9	152.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.837 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN063788.D

Acq: 1 Oct 2020 21:45

Instrument :

MSVOA_N

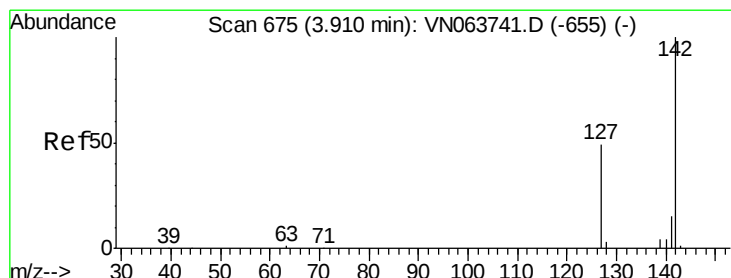
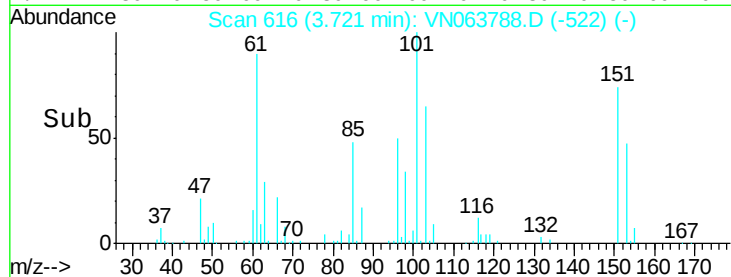
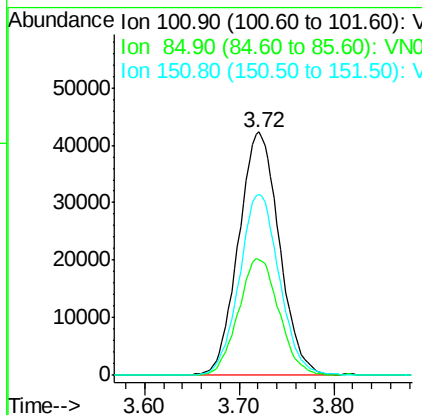
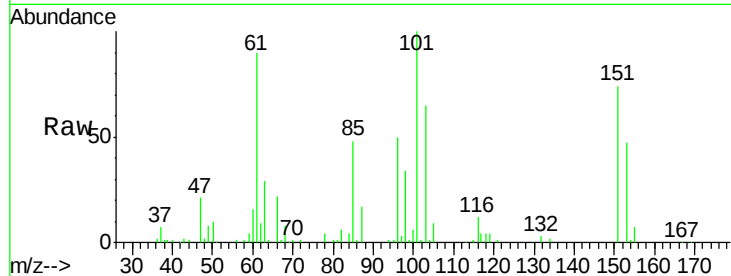
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	126503
Ion Ratio	Lower	Upper	
101	100		
85	47.7	38.6	58.0
151	73.0	58.7	88.1

Manual Integrations
APPROVED

MMDadoda
10/2/2020 3:11:56 PM



#10

Methyl Iodide

Concen: 49.177 ug/l

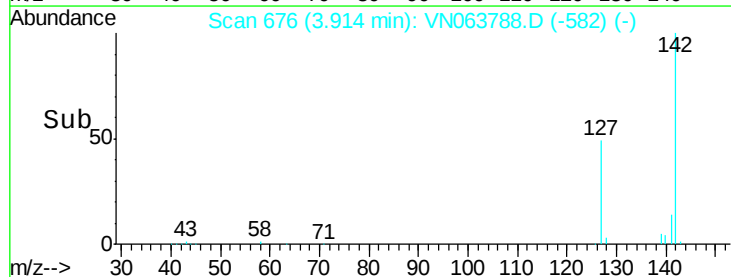
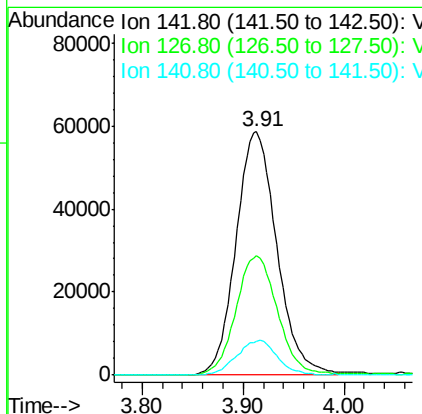
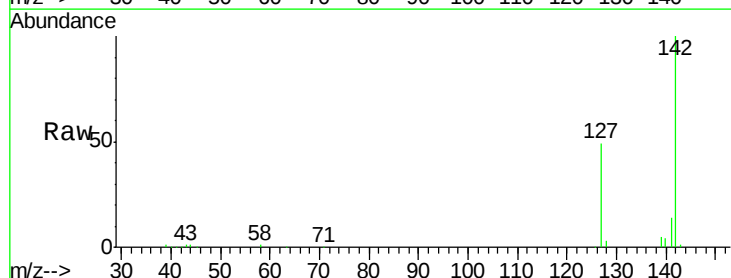
RT: 3.91 min Scan# 676

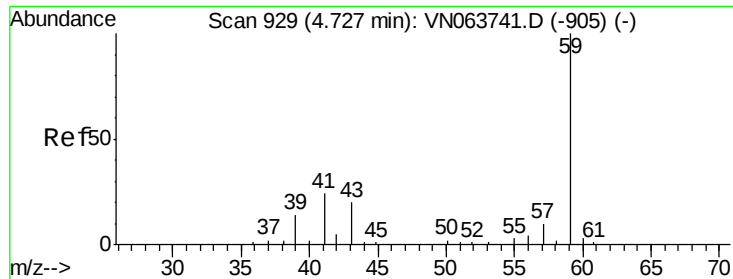
Delta R.T. 0.00 min

Lab File: VN063788.D

Acq: 1 Oct 2020 21:45

Tgt Ion:	142	Resp:	164777
Ion Ratio	Lower	Upper	
142	100		
127	50.2	40.5	60.7
141	14.1	11.7	17.5





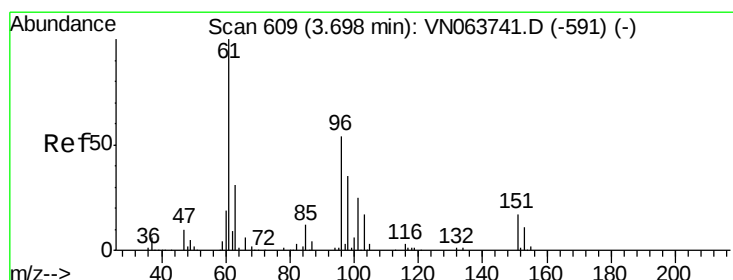
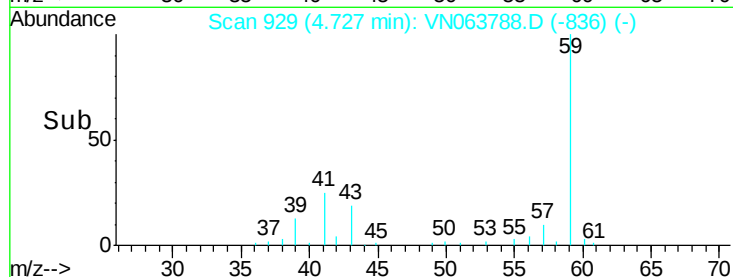
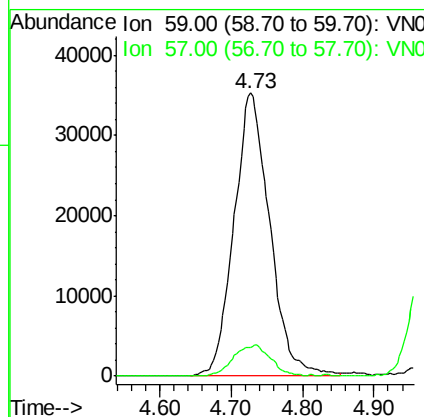
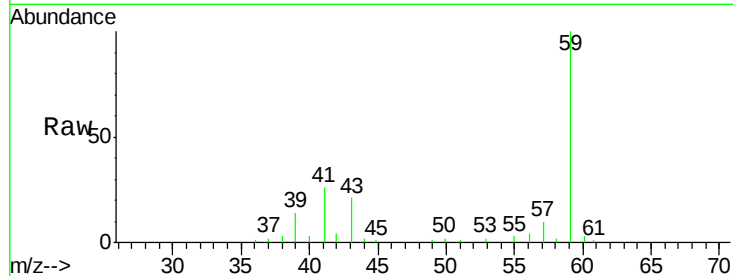
#11
Tert butyl alcohol
Concen: 246.933 ug/l
RT: 4.73 min Scan# 929
Delta R.T. 0.00 min
Lab File: VN063788.D
Acq: 1 Oct 2020 21:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 123373
Ion Ratio Lower Upper
59 100
57 11.5 8.7 13.1

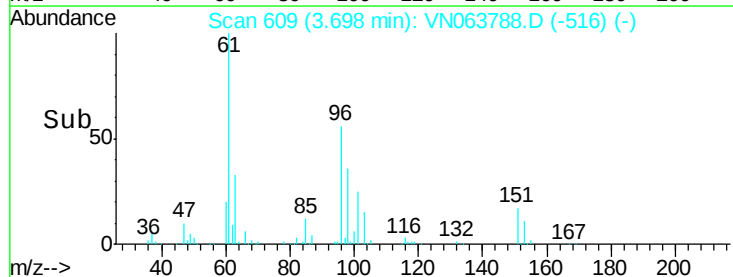
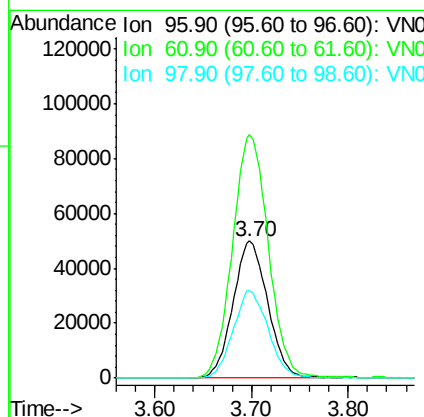
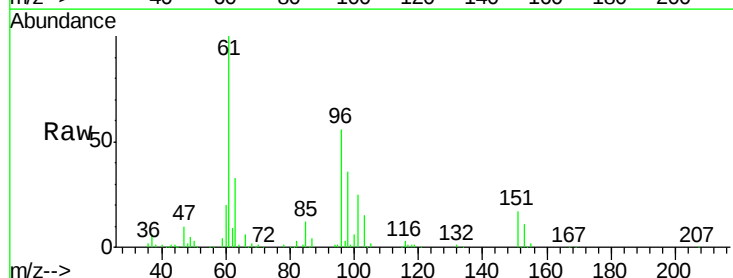
Manual Integrations
APPROVED

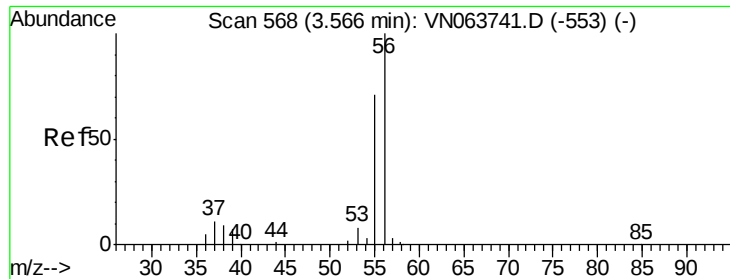
MMDadoda
10/2/2020 3:11:56 PM



#12
1,1-Dichloroethene
Concen: 45.309 ug/l
RT: 3.70 min Scan# 609
Delta R.T. 0.00 min
Lab File: VN063788.D
Acq: 1 Oct 2020 21:45

Tgt Ion: 96 Resp: 124980
Ion Ratio Lower Upper
96 100
61 177.9 147.7 221.5
98 64.3 51.9 77.9





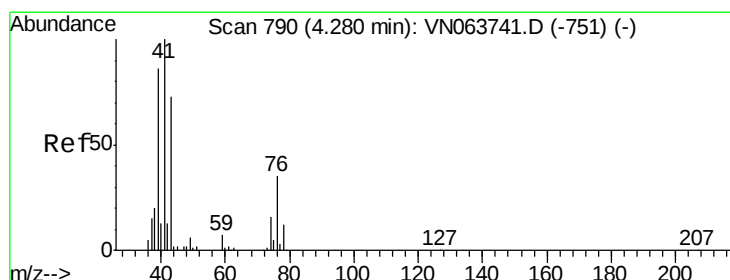
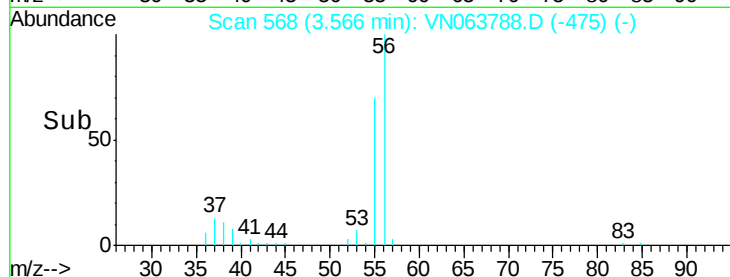
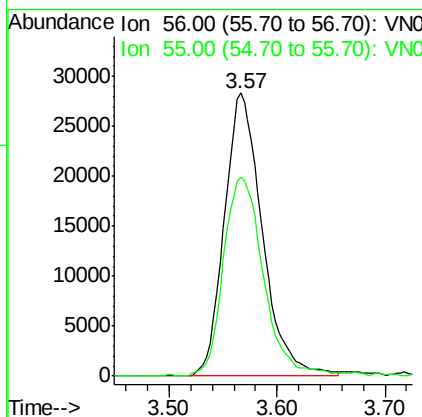
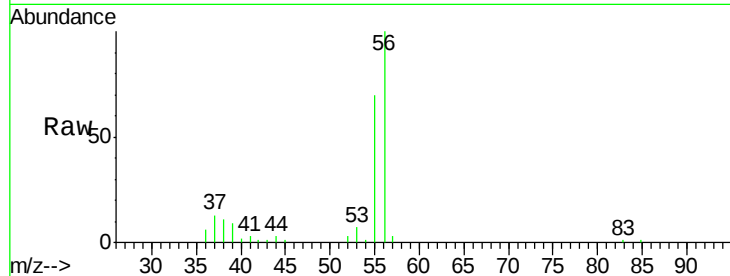
#13
Acrolein
Concen: 226.556 ug/l
RT: 3.57 min Scan# 568
Delta R.T. 0.00 min
Lab File: VN063788.D
Acq: 1 Oct 2020 21:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	69471
Ion Ratio	100	Lower	Upper
55	74.0	56.9	85.3

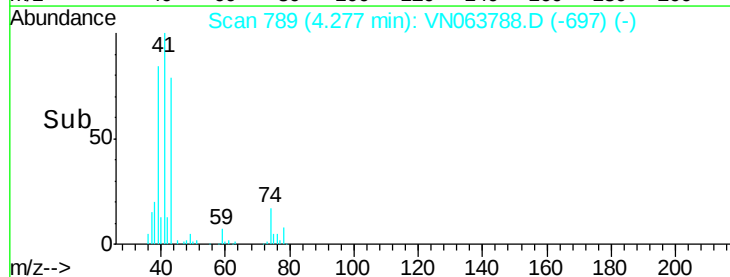
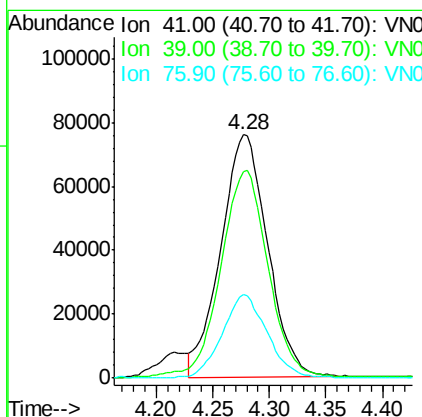
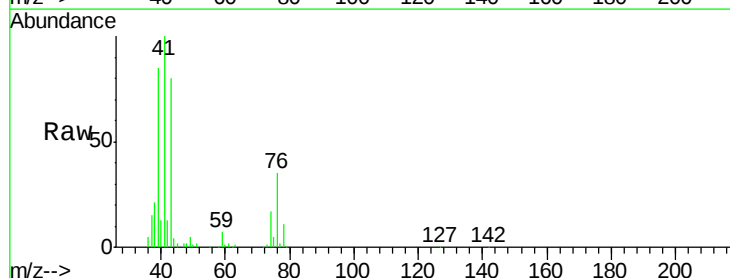
Manual Integrations
APPROVED

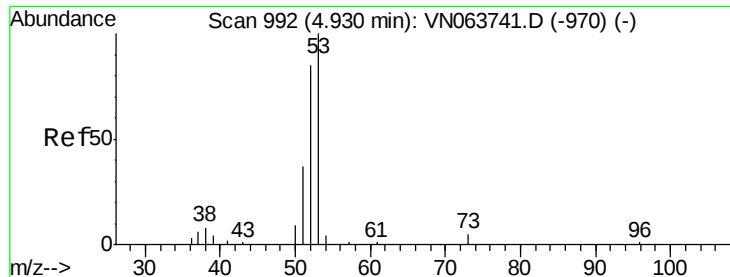
MMDadoda
10/2/2020 3:11:56 PM



#14
Allyl chloride
Concen: 42.498 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN063788.D
Acq: 1 Oct 2020 21:45

Tgt Ion	41	Resp	217778
Ion Ratio	100	Lower	Upper
39	87.0	64.5	96.7
76	32.6	25.9	38.9





#15

Acrylonitrile

Concen: 241.240 ug/l

RT: 4.93 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN063788.D

Acq: 1 Oct 2020 21:45

Instrument :

MSVOA_N

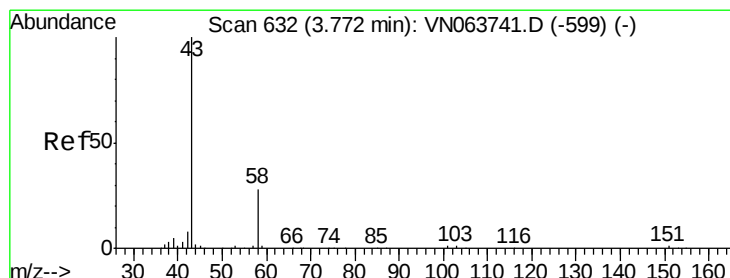
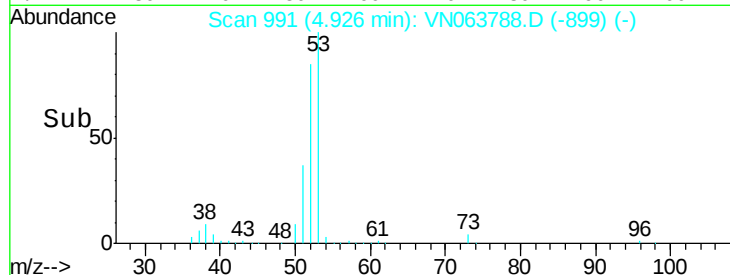
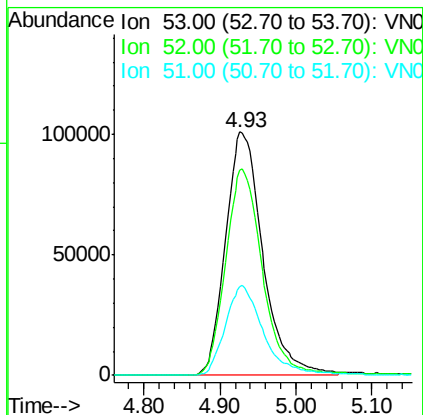
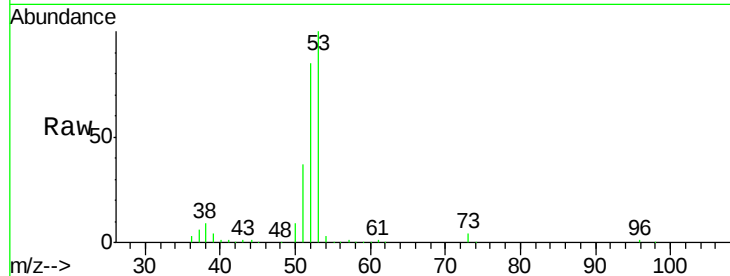
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	345006
Ion Ratio	Lower	Upper	
53	100		
52	83.7	66.5	99.7
51	37.8	29.9	44.9

Manual Integrations
APPROVED

MMDadoda
10/2/2020 3:11:56 PM



#16

Acetone

Concen: 231.829 ug/l

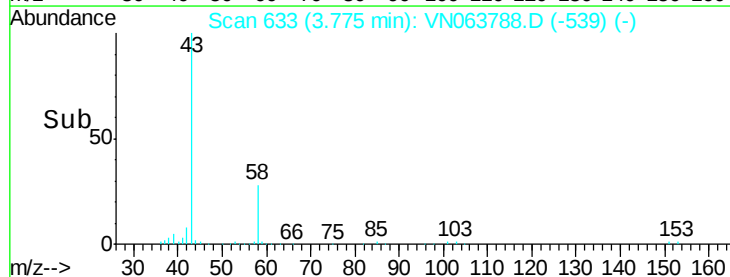
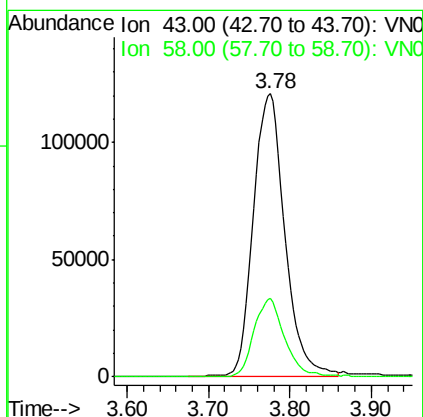
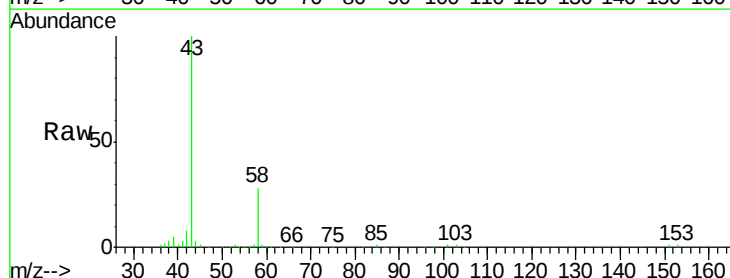
RT: 3.78 min Scan# 633

Delta R.T. 0.00 min

Lab File: VN063788.D

Acq: 1 Oct 2020 21:45

Tgt Ion:	43	Resp:	322953
Ion Ratio	Lower	Upper	
43	100		
58	27.6	22.3	33.5





#17

Carbon Disulfide

Concen: 44.605 ug/l

RT: 4.01 min Scan# 706

Delta R.T. -0.00 min

Lab File: VN063788.D

Acq: 1 Oct 2020 21:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 331976

Ion Ratio Lower Upper

76 100

78 9.0

7.0

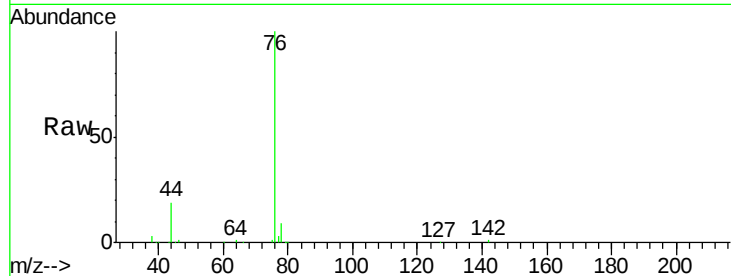
10.4

Manual Integrations

APPROVED

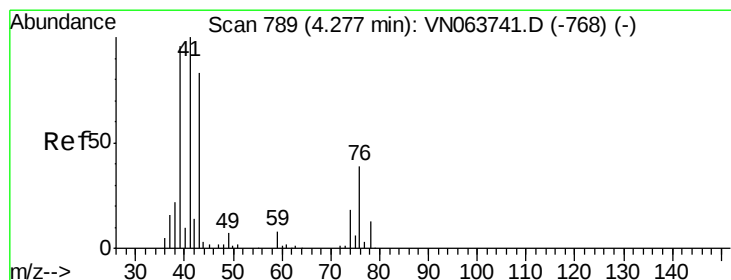
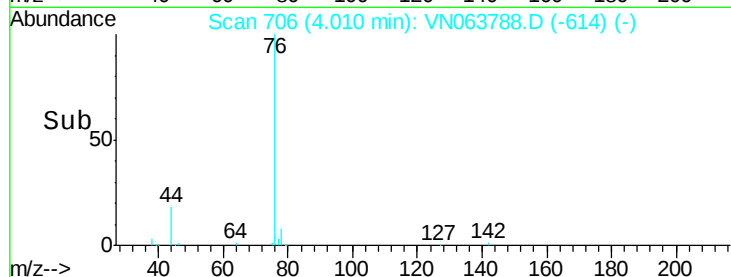
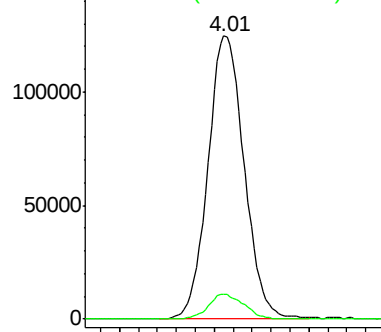
MMDadoda

10/2/2020 3:11:56 PM



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 48.470 ug/l

RT: 4.28 min Scan# 789

Delta R.T. 0.00 min

Lab File: VN063788.D

Acq: 1 Oct 2020 21:45

Tgt Ion: 43 Resp: 175313

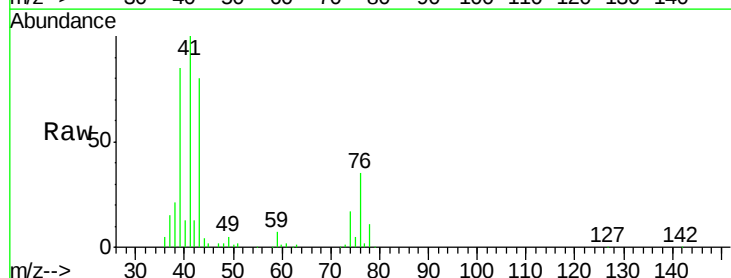
Ion Ratio Lower Upper

43 100

74 21.7

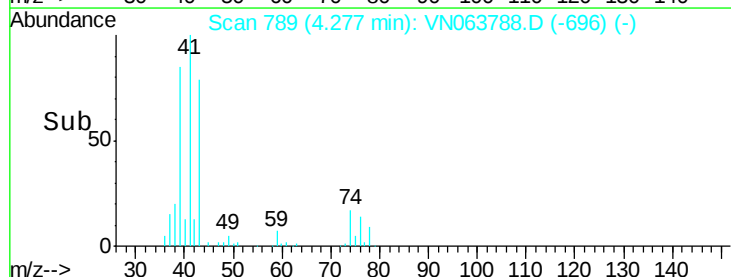
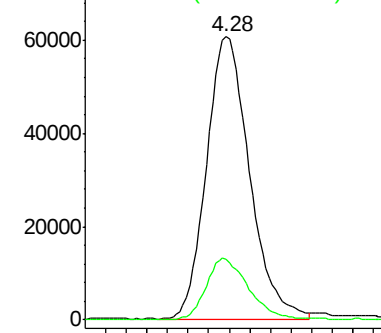
17.4

26.2



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO





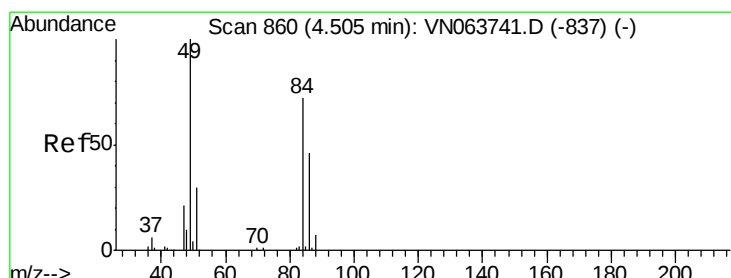
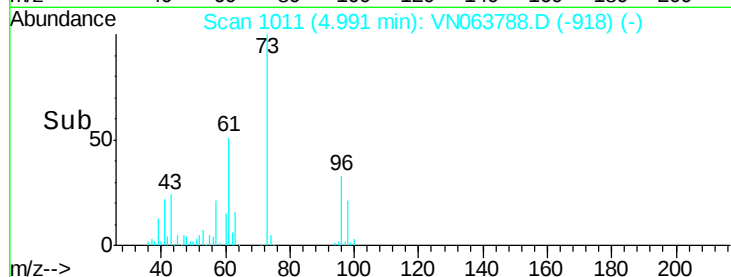
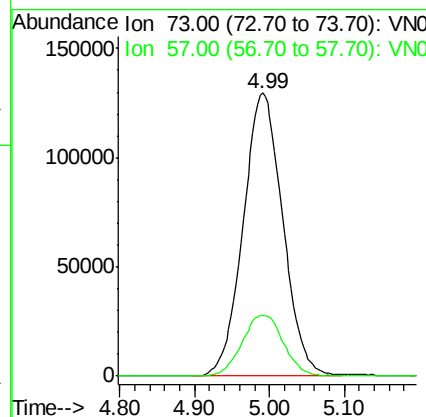
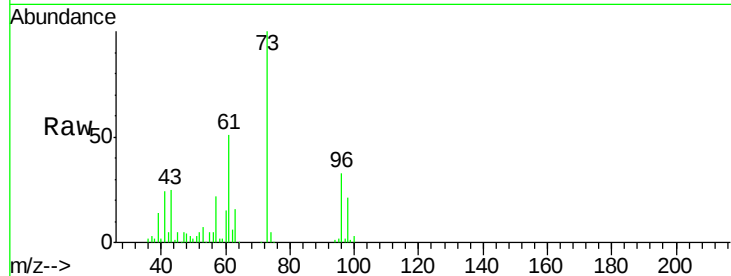
#19
Methvl tert-butvl Ether
Concen: 47.585 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN063788.D
Acq: 1 Oct 2020 21:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 476872
Ion Ratio Lower Upper
73 100
57 21.6 17.6 26.4

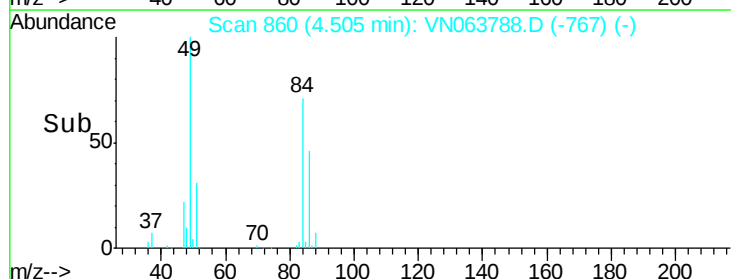
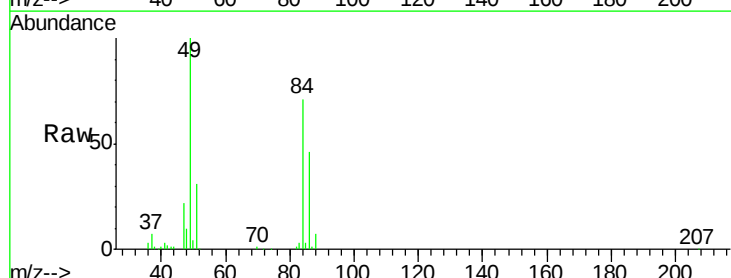
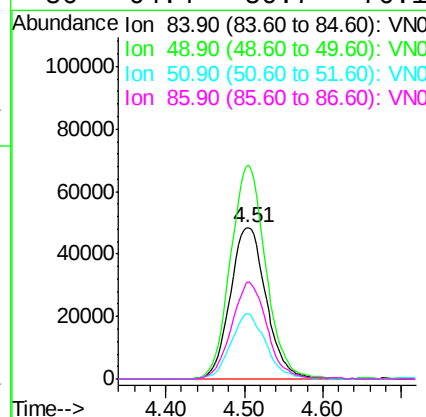
Manual Integrations
APPROVED

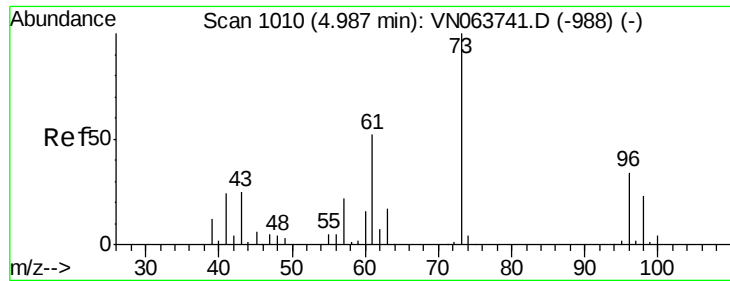
MMDadoda
10/2/2020 3:11:56 PM



#20
Methylene Chloride
Concen: 48.330 ug/l
RT: 4.51 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN063788.D
Acq: 1 Oct 2020 21:45

Tgt Ion: 84 Resp: 154201
Ion Ratio Lower Upper
84 100
49 140.5 110.4 165.6
51 43.3 33.3 49.9
86 64.4 50.7 76.1





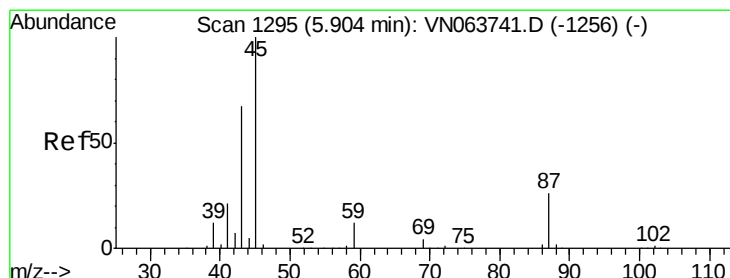
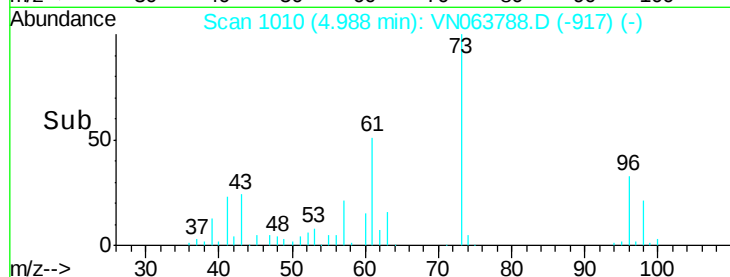
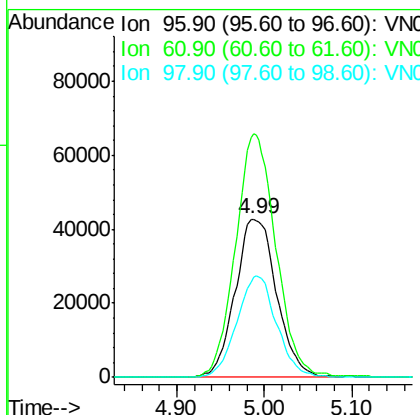
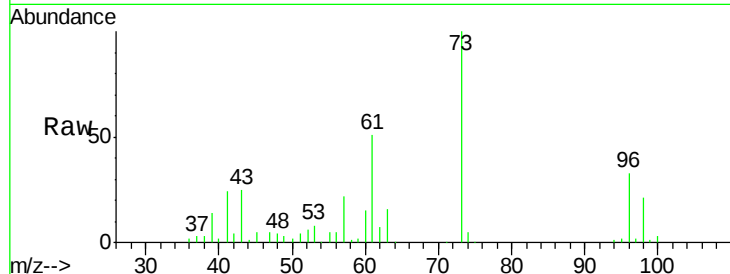
#21
trans-1,2-Dichloroethene
Concen: 45.505 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN063788.D
Acq: 1 Oct 2020 21:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	154.0	120.2	180.2
98	63.6	52.6	79.0

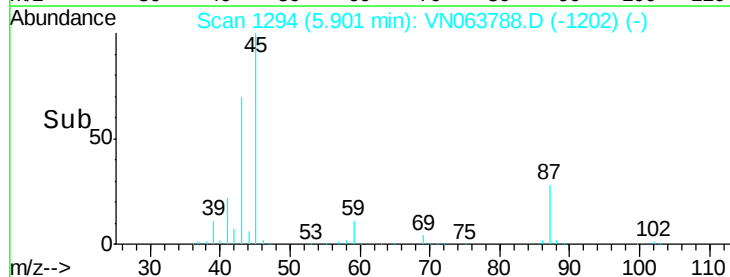
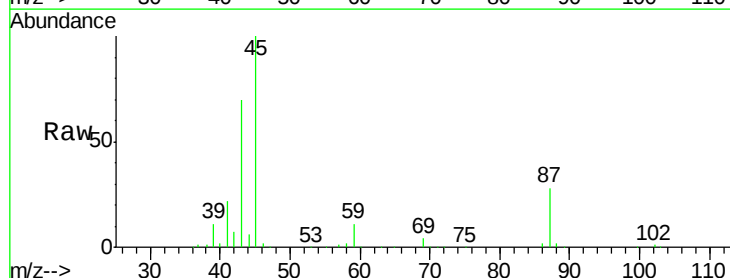
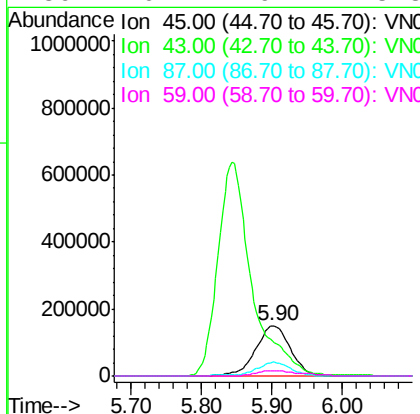
Manual Integrations
APPROVED

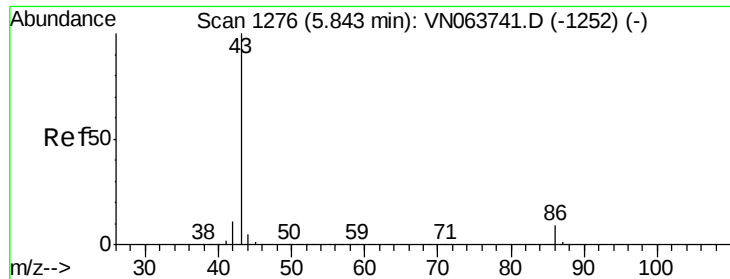
MMDadoda
10/2/2020 3:11:56 PM



#22
Diisopropyl ether
Concen: 49.001 ug/l
RT: 5.90 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VN063788.D
Acq: 1 Oct 2020 21:45

Tgt Ion	Ratio	Lower	Upper
45	100		
43	69.0	53.7	80.5
87	27.4	21.1	31.7
59	10.7	9.2	13.8





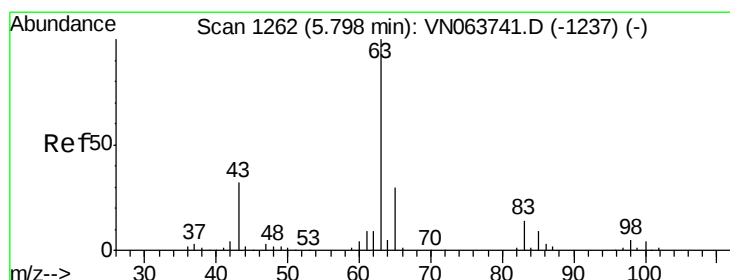
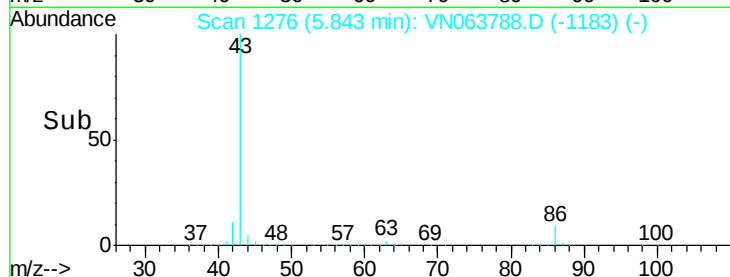
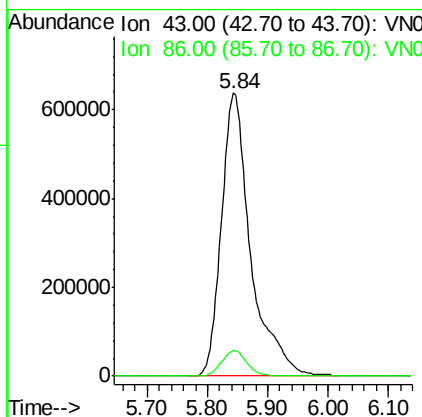
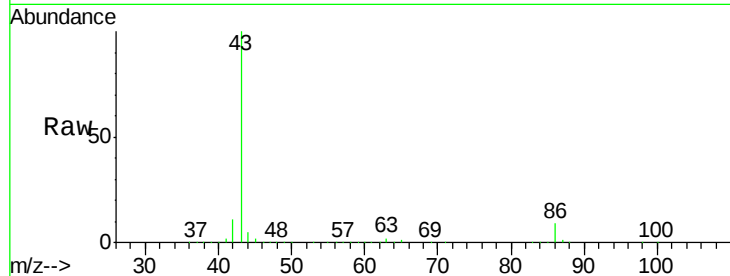
#23
 Vinyl Acetate
 Concen: 246.829 ug/l
 RT: 5.84 min Scan# 1276
 Delta R.T. 0.00 min
 Lab File: VN063788.D
 Acq: 1 Oct 2020 21:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 2155722
 Ion Ratio Lower Upper
 43 100
 86 9.0 7.3 10.9

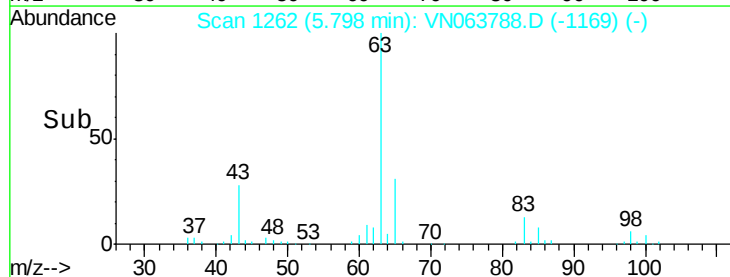
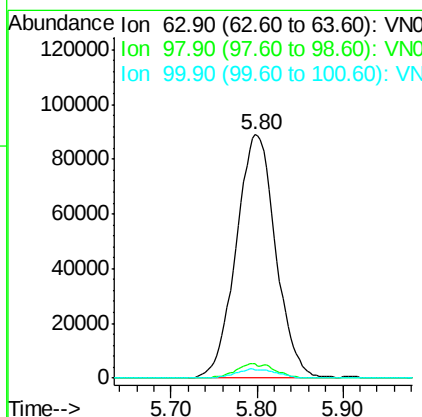
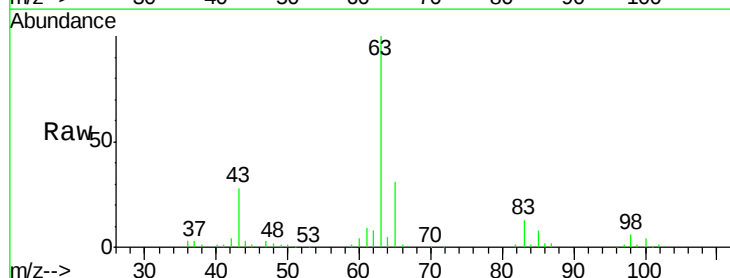
Manual Integrations
 APPROVED

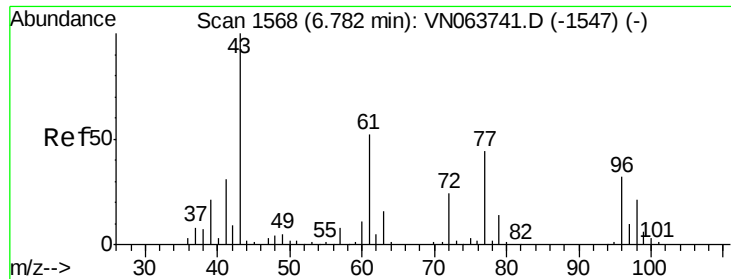
MMDadoda
 10/2/2020 3:11:56 PM



#24
 1,1-Dichloroethane
 Concen: 47.154 ug/l
 RT: 5.80 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VN063788.D
 Acq: 1 Oct 2020 21:45

Tgt Ion: 63 Resp: 284264
 Ion Ratio Lower Upper
 63 100
 98 5.7 2.7 8.1
 100 3.5 1.9 5.7





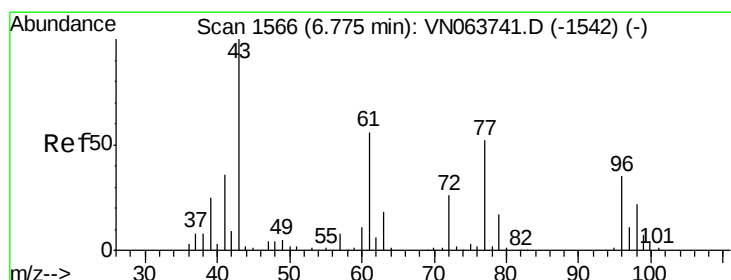
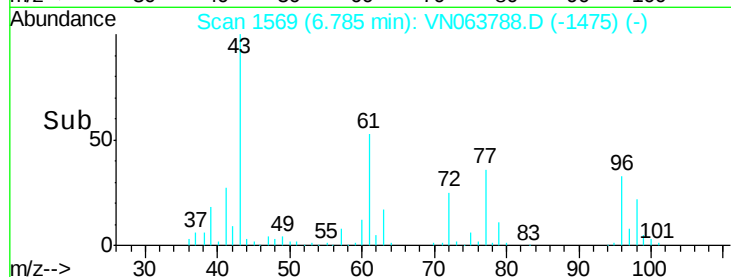
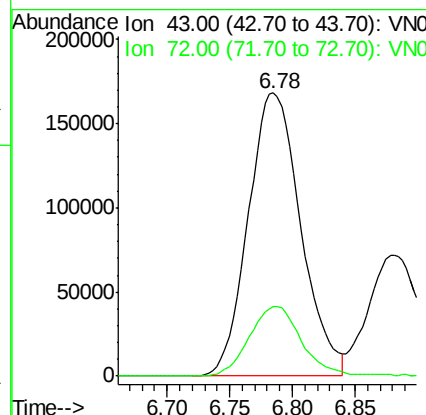
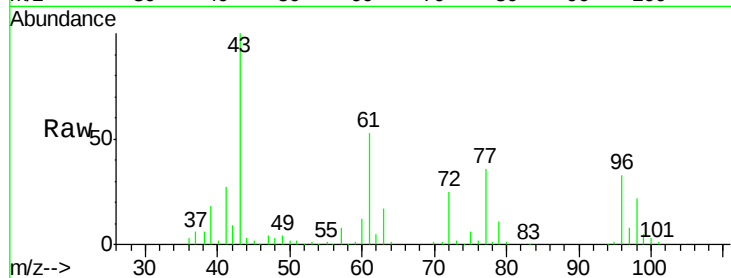
#25
2-Butanone
Concen: 247.636 ug/l
RT: 6.78 min Scan# 1569
Delta R.T. 0.00 min
Lab File: VN063788.D
Acq: 1 Oct 2020 21:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 489088
Ion Ratio Lower Upper
43 100
72 24.6 19.3 28.9

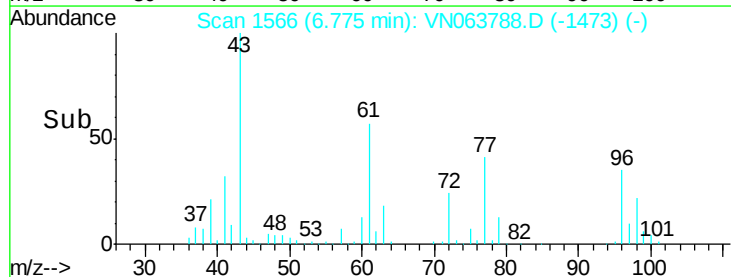
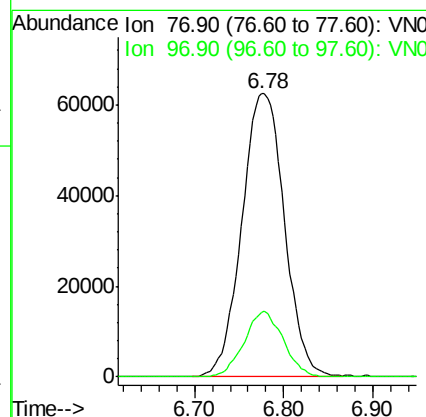
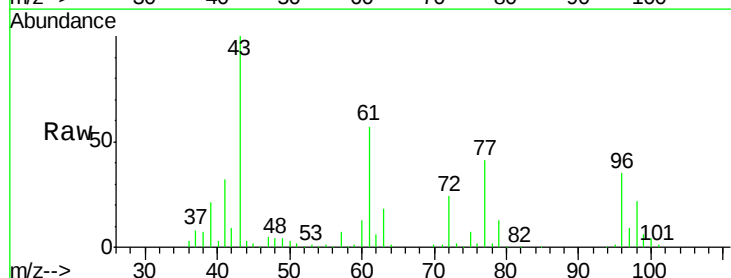
Manual Integrations
APPROVED

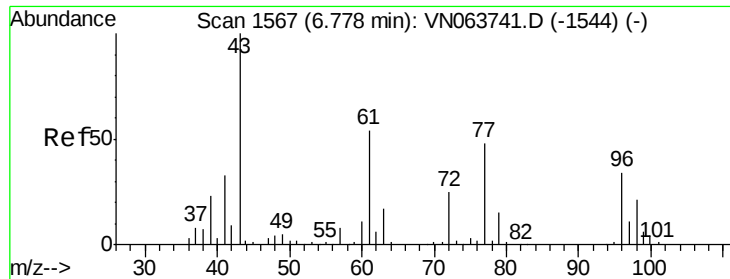
MMDadoda
10/2/2020 3:11:56 PM



#26
2,2-Dichloropropane
Concen: 37.565 ug/l
RT: 6.78 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VN063788.D
Acq: 1 Oct 2020 21:45

Tgt Ion: 77 Resp: 207381
Ion Ratio Lower Upper
77 100
97 21.3 10.8 32.3





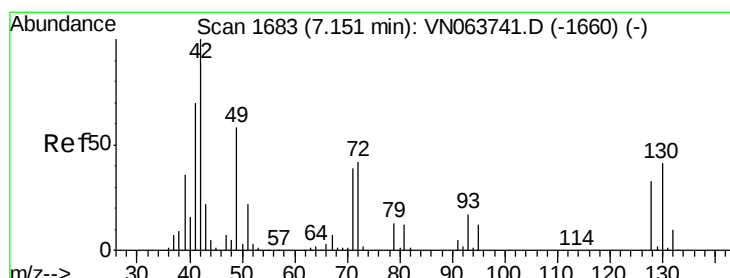
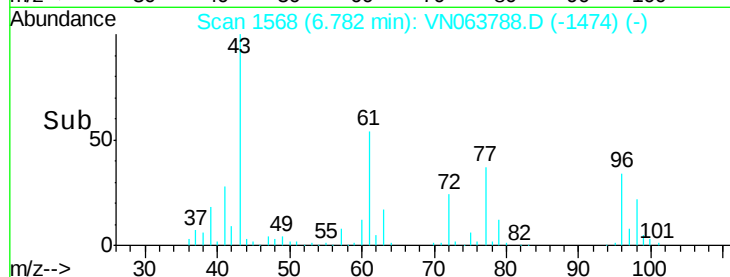
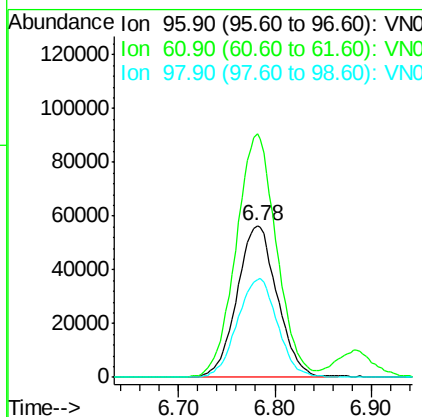
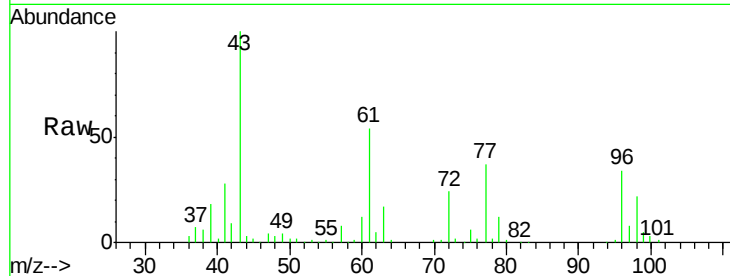
#27
 cis-1,2-Dichloroethene
 Concen: 45.772 ug/l
 RT: 6.78 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VN063788.D
 Acq: 1 Oct 2020 21:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	161.6	0.0	321.2
98	65.1	0.0	124.4

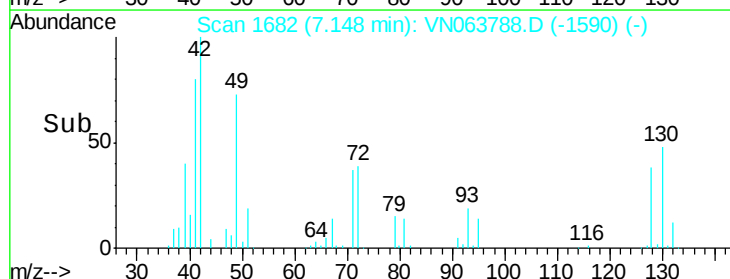
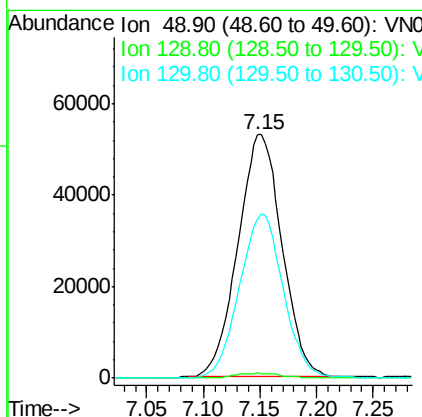
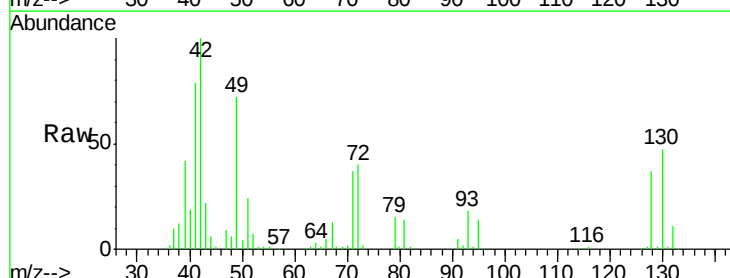
Manual Integrations
 APPROVED

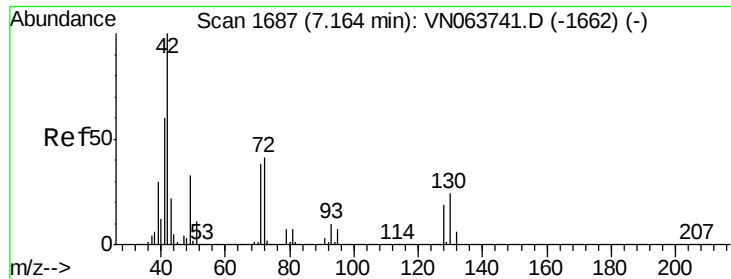
MMDadoda
 10/2/2020 3:11:56 PM



#28
 Bromochloromethane
 Concen: 48.106 ug/l
 RT: 7.15 min Scan# 1682
 Delta R.T. -0.00 min
 Lab File: VN063788.D
 Acq: 1 Oct 2020 21:45

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.8
130	67.7	55.6	83.4





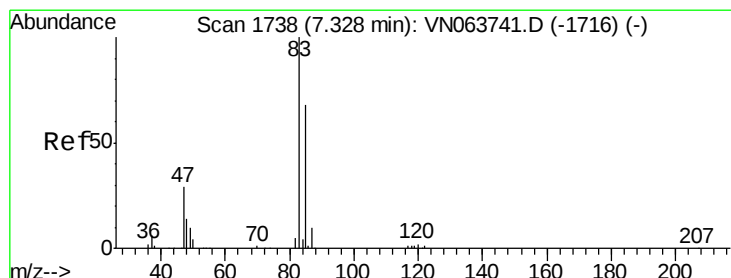
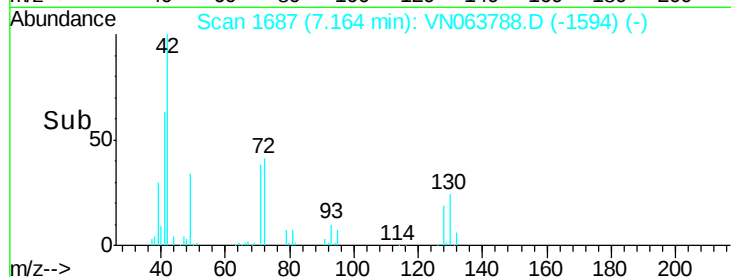
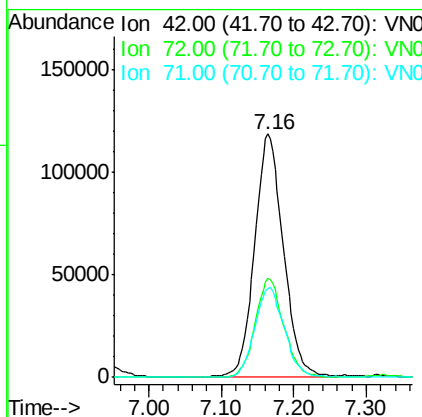
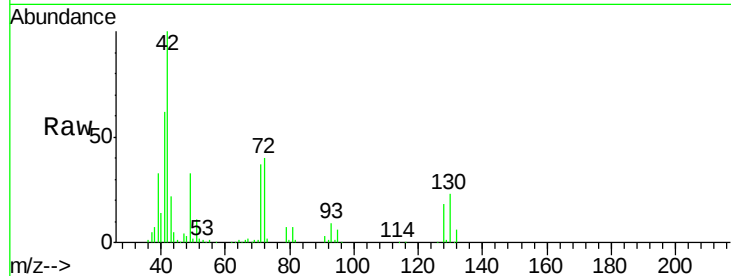
#29
Tetrahydrofuran
Concen: 248.215 ug/l
RT: 7.16 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN063788.D
Acq: 1 Oct 2020 21:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.2	32.8	49.2
71	37.6	30.6	45.8

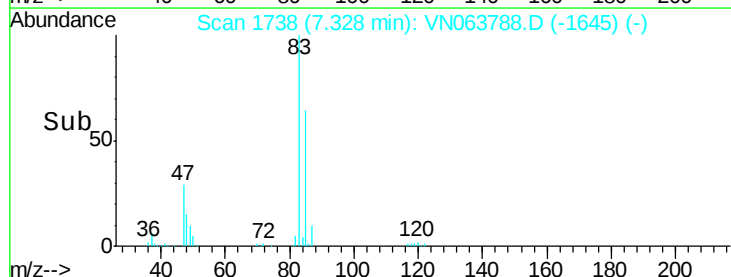
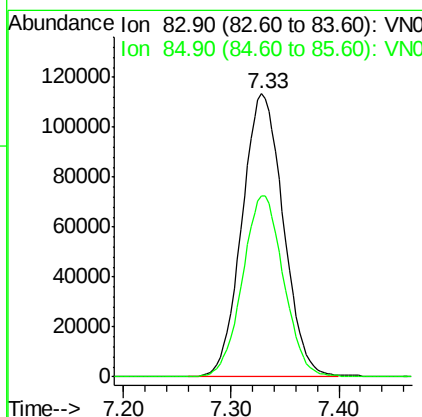
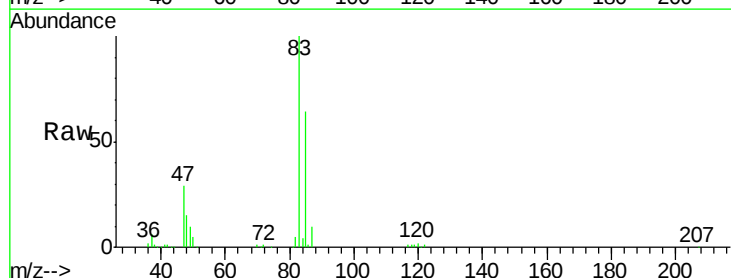
Manual Integrations
APPROVED

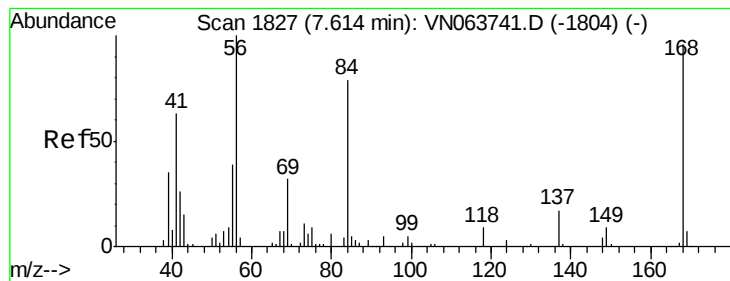
MMDadoda
10/2/2020 3:11:56 PM



#30
Chloroform
Concen: 48.076 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN063788.D
Acq: 1 Oct 2020 21:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	54.6	82.0





#31

Cyclohexane

Concen: 43.036 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN063788.D

Acq: 1 Oct 2020 21:45

Instrument :

MSVOA_N

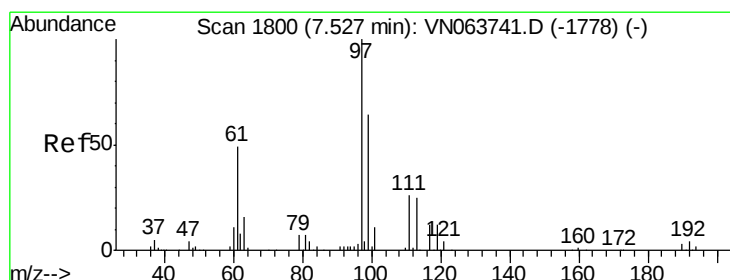
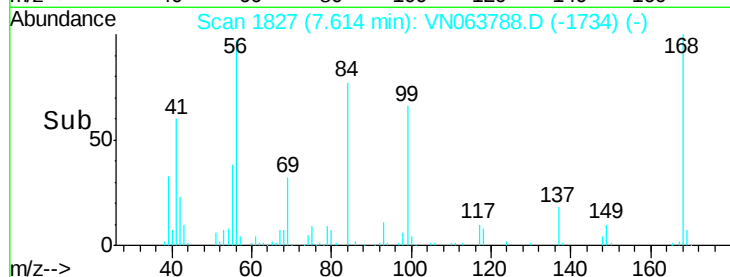
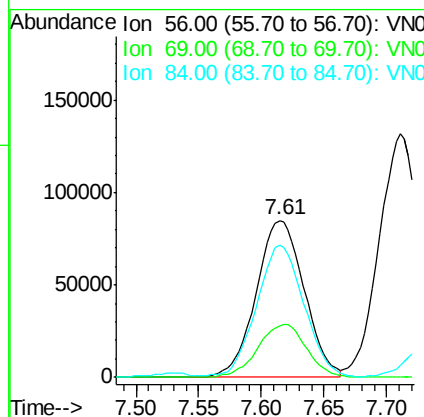
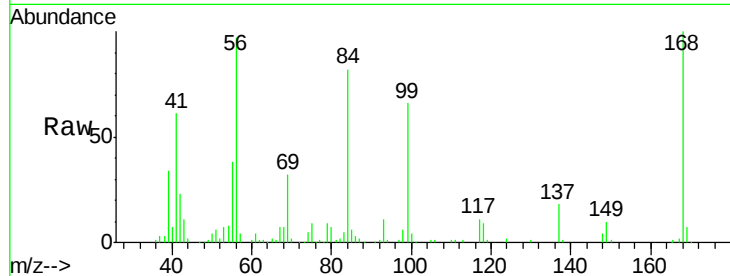
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
56	100		226101		
69	32.8	25.4	38.2		
84	83.2	63.3	94.9		

Manual Integrations
APPROVED

MMDadoda
10/2/2020 3:11:56 PM



#32

1,1,1-Trichloroethane

Concen: 47.432 ug/l

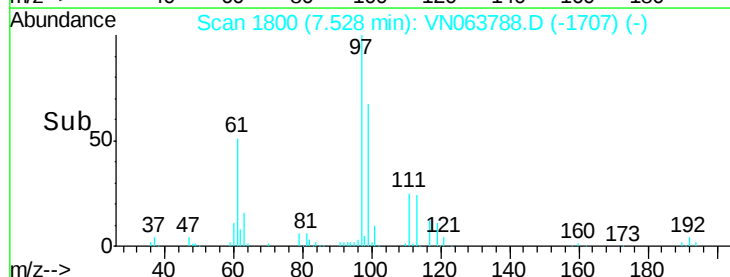
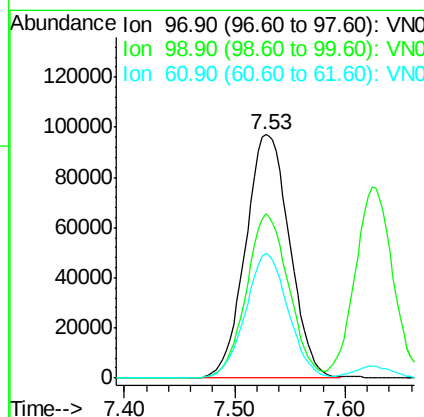
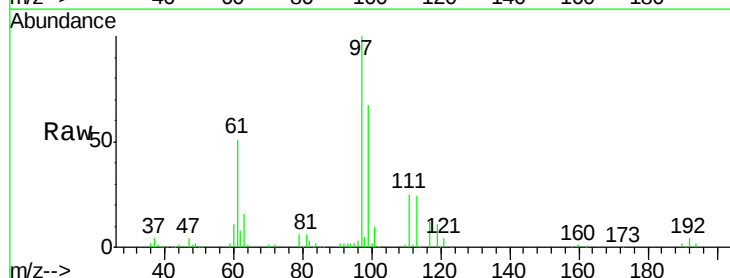
RT: 7.53 min Scan# 1800

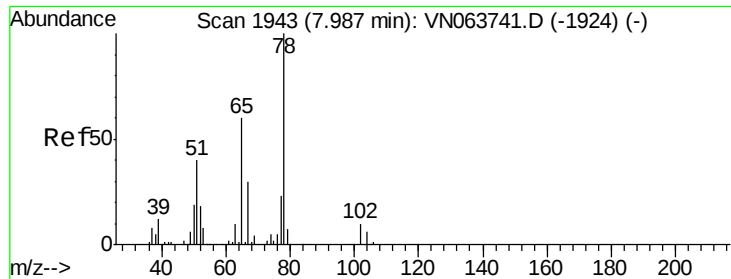
Delta R.T. 0.00 min

Lab File: VN063788.D

Acq: 1 Oct 2020 21:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100		268916		
99	64.9	51.0	76.6		
61	49.4	38.7	58.1		





#33

1,2-Dichloroethane-d4

Concen: 45.298 ug/l

RT: 7.99 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN063788.D

Acq: 1 Oct 2020 21:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 204991

Ion Ratio Lower Upper

65 100

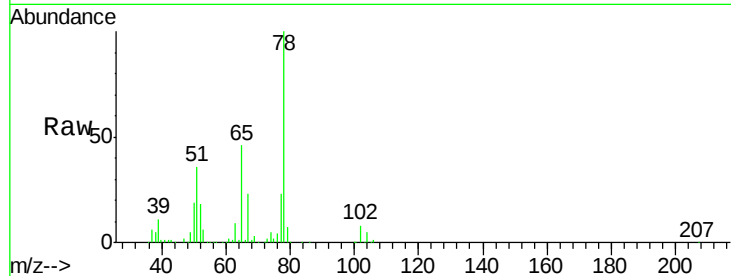
67 50.4 0.0 99.6

Manual Integrations

APPROVED

MMDadoda

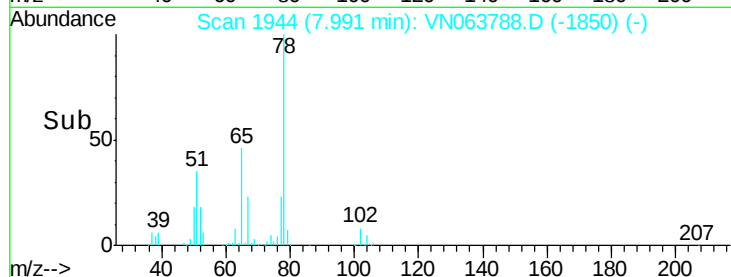
10/2/2020 3:11:56 PM



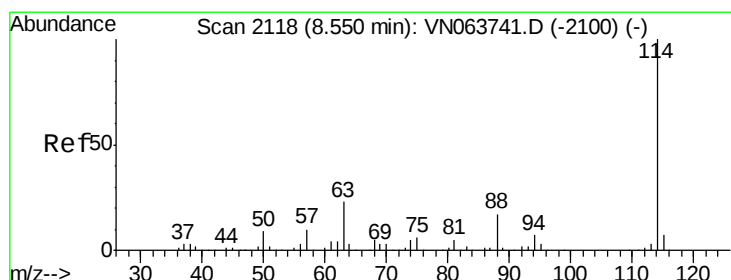
Abundance Ion 64.90 (64.60 to 65.60): VN063788.D (-1850) (-)

Ion 66.90 (66.60 to 67.60): VN063788.D (-1850) (-)

Time-->



Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN063788.D

Acq: 1 Oct 2020 21:45

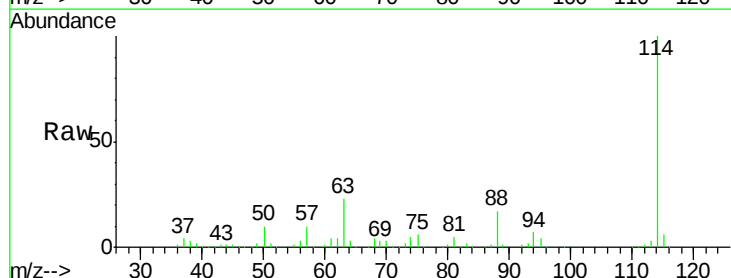
Tgt Ion: 114 Resp: 472758

Ion Ratio Lower Upper

114 100

63 22.5 0.0 45.0

88 16.7 0.0 34.0

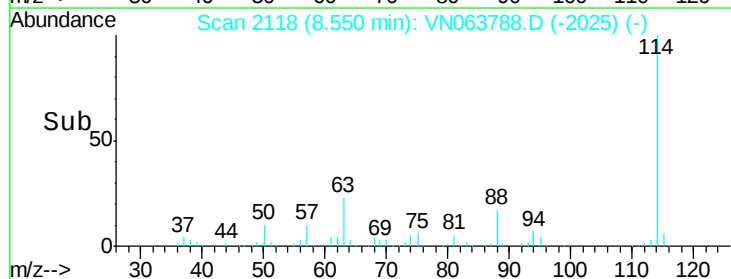


Abundance Ion 113.90 (113.60 to 114.60): VN063788.D (-2025) (-)

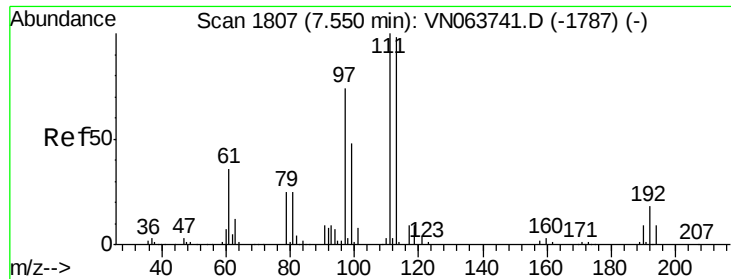
Ion 63.00 (62.70 to 63.70): VN063788.D (-2025) (-)

Ion 87.90 (87.60 to 88.60): VN063788.D (-2025) (-)

Time-->



Time-->



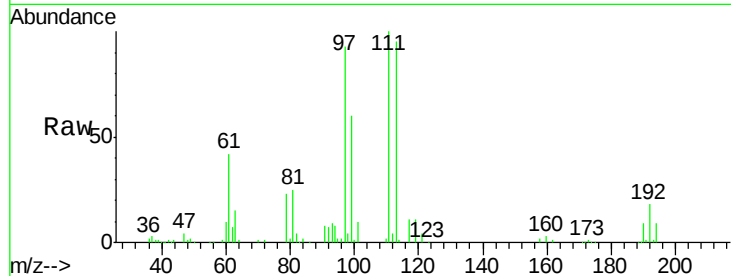
#35
 Dibromofluoromethane
 Concen: 42.157 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN063788.D
 Acq: 1 Oct 2020 21:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

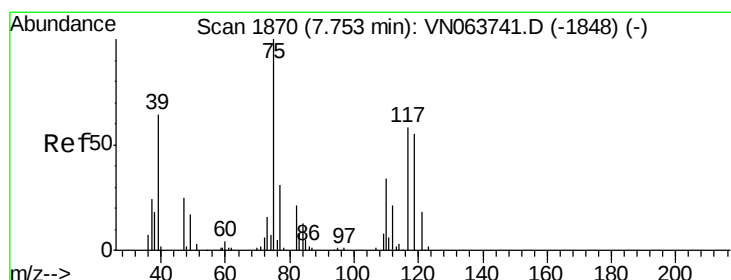
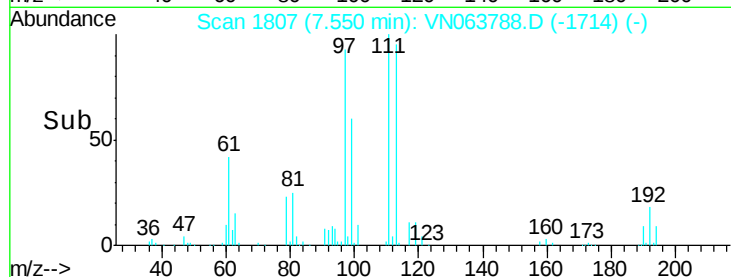
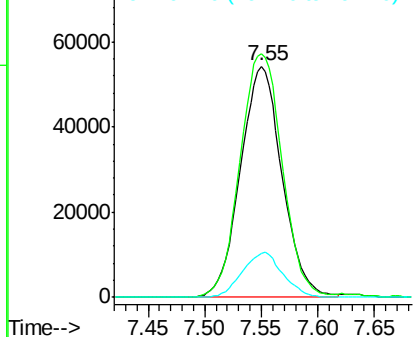
Tot Ion	Ratio	Resp	Lower	Upper
113	100	138289		
111	107.1	81.8	122.8	
192	18.9	14.2	21.2	

Manual Integrations
 APPROVED

MMDadoda
 10/2/2020 3:11:56 PM

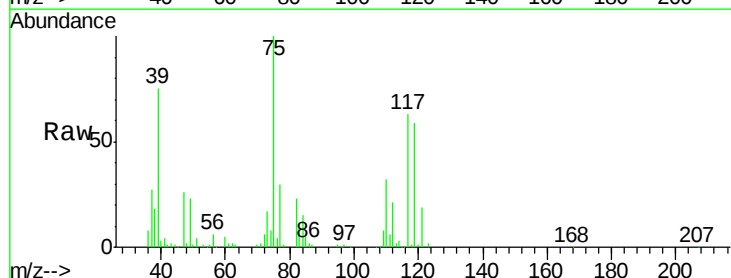


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

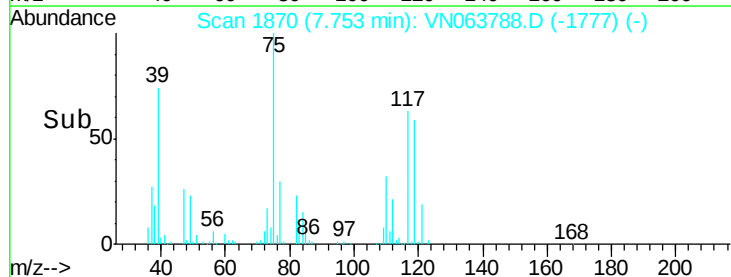
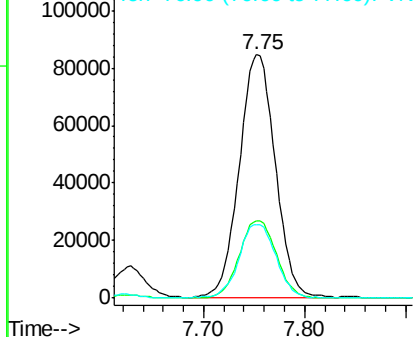


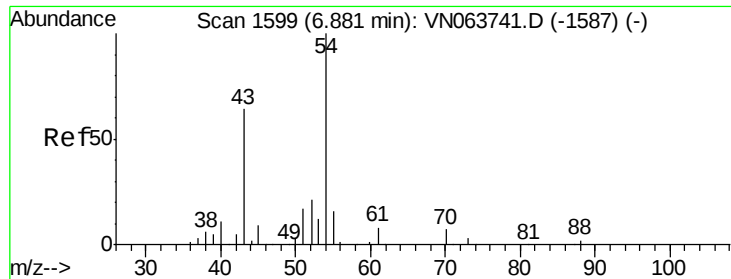
#36
 1,1-Dichloropropene
 Concen: 43.386 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VN063788.D
 Acq: 1 Oct 2020 21:45

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	207799		
110	32.9	16.9	50.6	
77	31.7	24.5	36.7	



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V





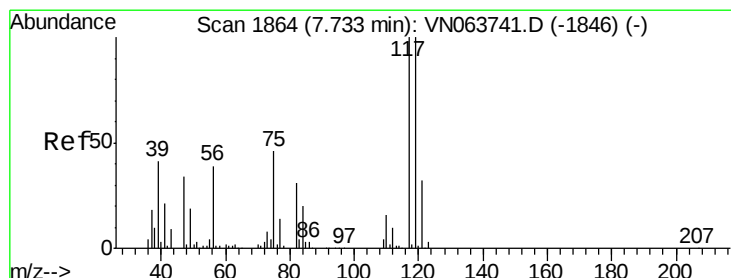
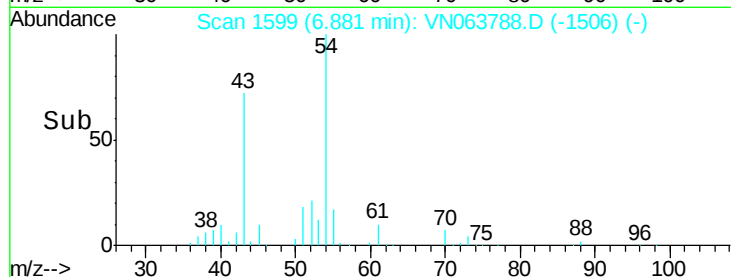
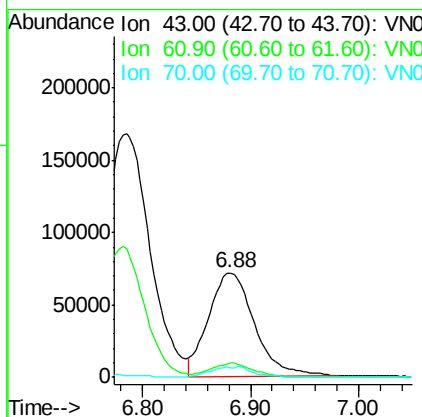
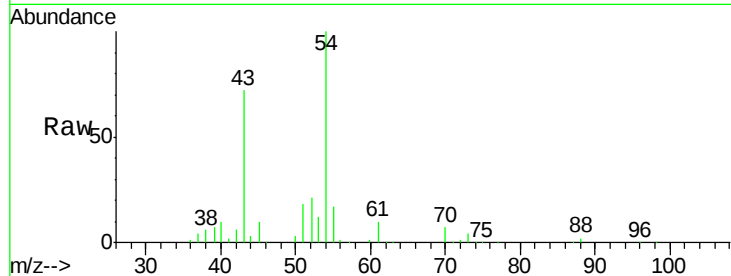
#37
Ethyl Acetate
Concen: 44.240 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN063788.D
Acq: 1 Oct 2020 21:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.6	10.4	15.6
70	4.5	7.3	10.9

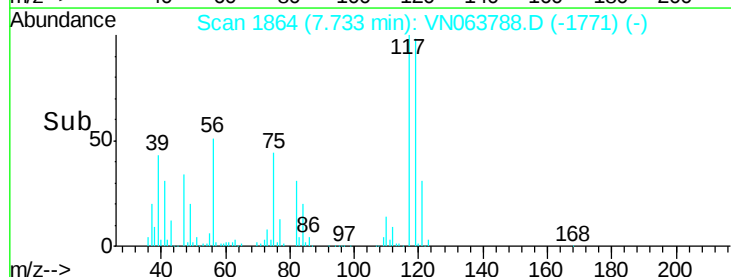
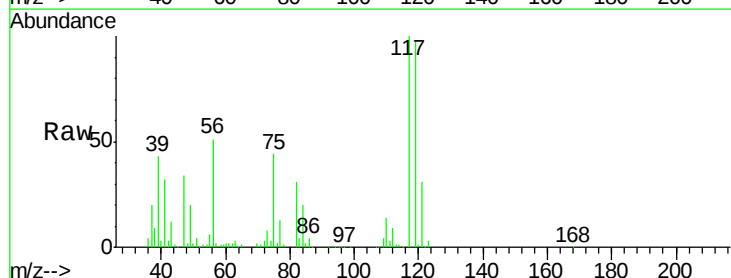
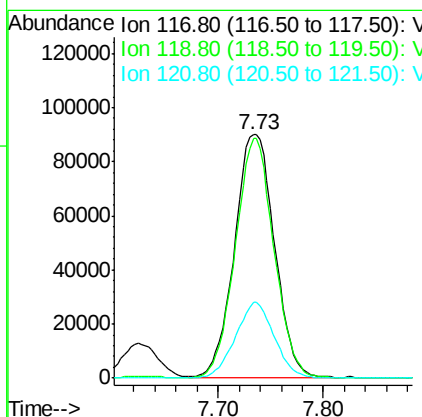
Manual Integrations
APPROVED

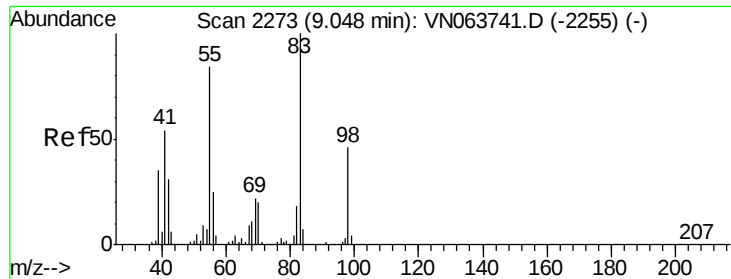
MMDadoda
10/2/2020 3:11:56 PM



#38
Carbon Tetrachloride
Concen: 44.007 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN063788.D
Acq: 1 Oct 2020 21:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.7	80.1	120.1
121	31.1	25.7	38.5





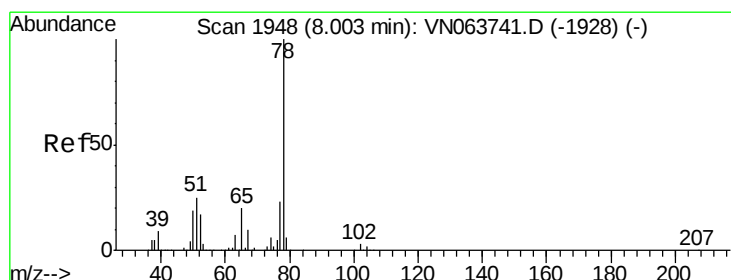
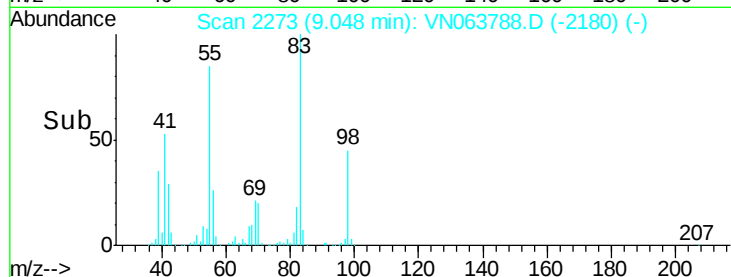
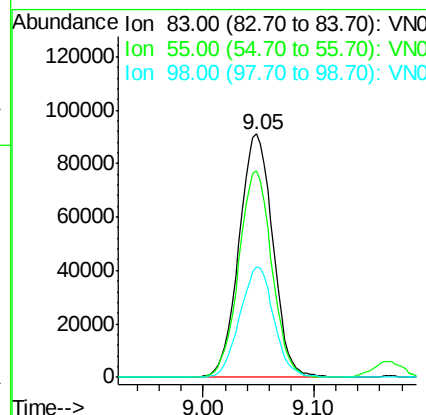
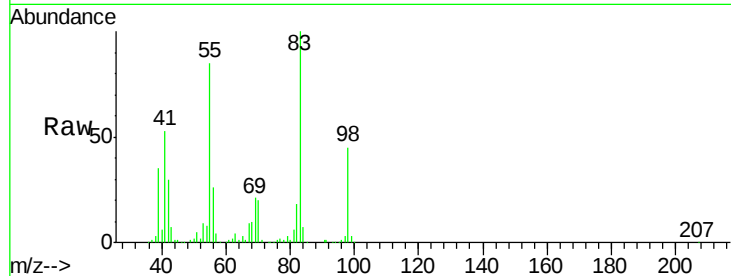
#39
Methvlcvclohexane
Concen: 40.576 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN063788.D
Acq: 1 Oct 2020 21:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	193801
Ion Ratio	Lower	Upper	
83	100		
55	84.7	67.1	100.7
98	45.4	36.6	54.8

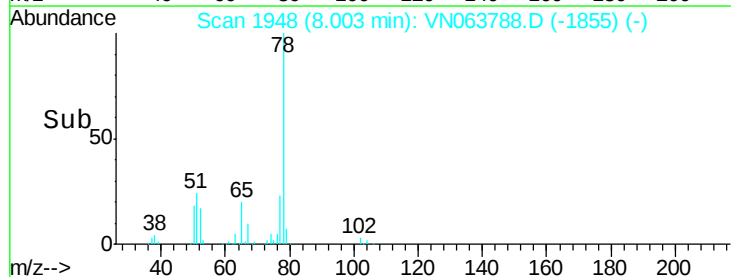
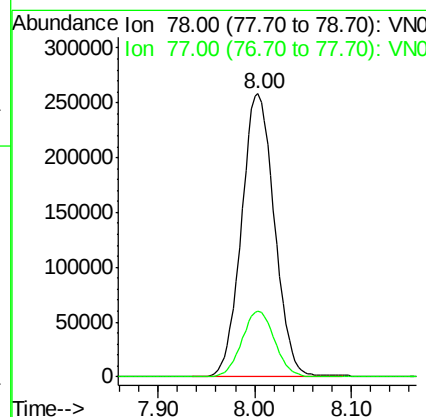
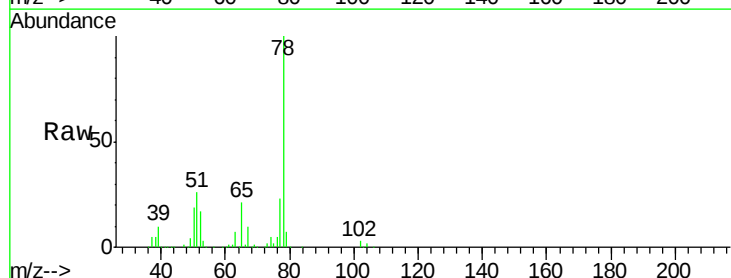
Manual Integrations
APPROVED

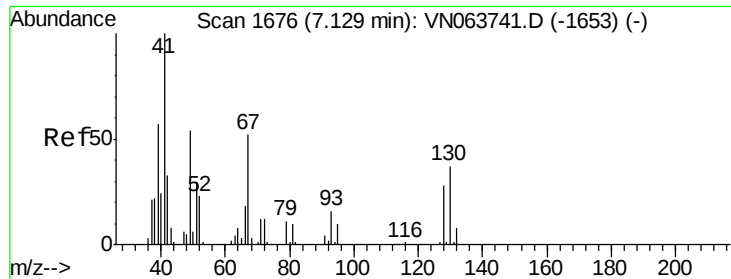
MMDadoda
10/2/2020 3:11:56 PM



#40
Benzene
Concen: 44.698 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN063788.D
Acq: 1 Oct 2020 21:45

Tgt Ion	78	Resp	611474
Ion Ratio	Lower	Upper	
78	100		
77	23.4	18.7	28.1





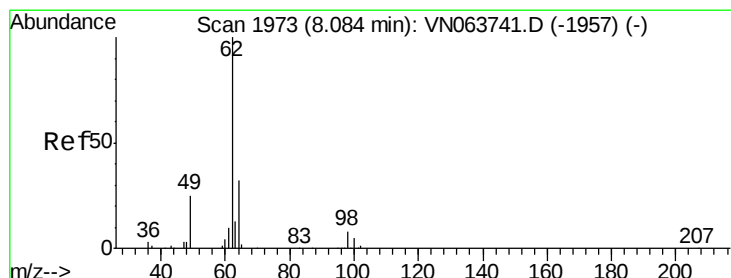
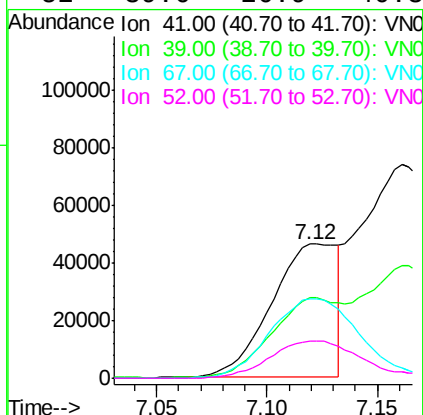
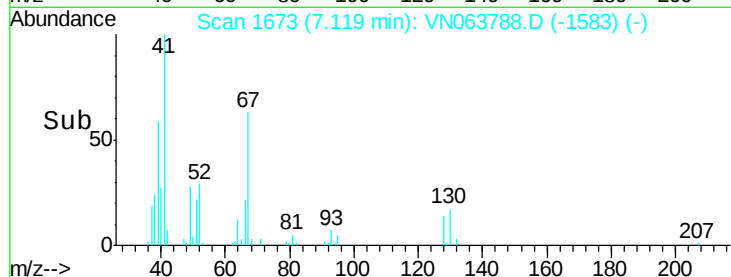
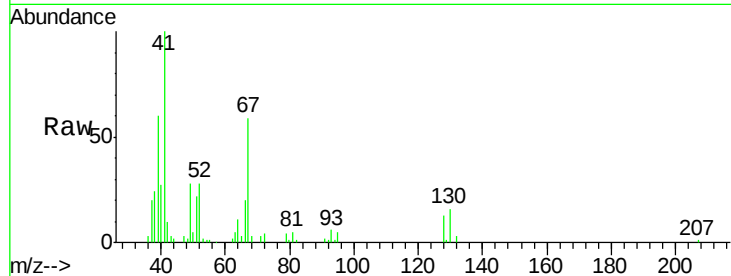
#41
Methacrylonitrile
Concen: 45.377 ug/l
RT: 7.12 min Scan# 1673
Delta R.T. -0.01 min
Lab File: VN063788.D
Acq: 1 Oct 2020 21:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	95965
Ion Ratio	Lower	Upper	
41	100		
39	63.9	42.5	63.7#
67	82.3	57.4	86.2
52	39.6	26.9	40.3

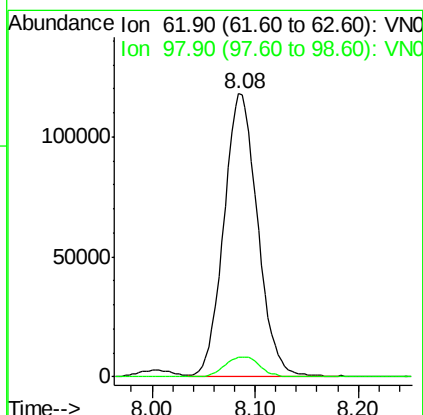
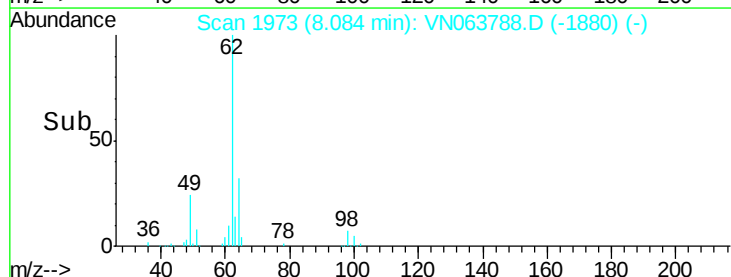
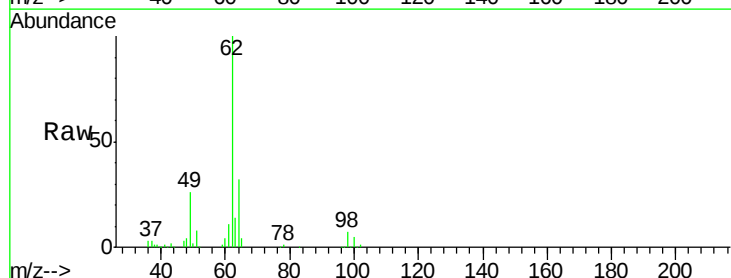
Manual Integrations
APPROVED

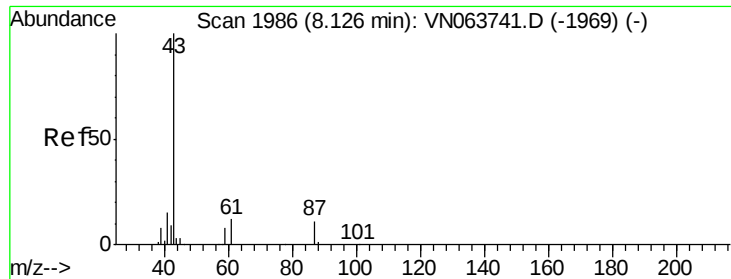
MMDadoda
10/2/2020 3:11:56 PM



#42
1,2-Dichloroethane
Concen: 45.877 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN063788.D
Acq: 1 Oct 2020 21:45

Tgt Ion	62	Resp	267897
Ion Ratio	Lower	Upper	
62	100		
98	7.4	0.0	15.0





#43

Isopropyl Acetate

Concen: 47.273 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN063788.D

Acq: 1 Oct 2020 21:45

Instrument :

MSVOA_N

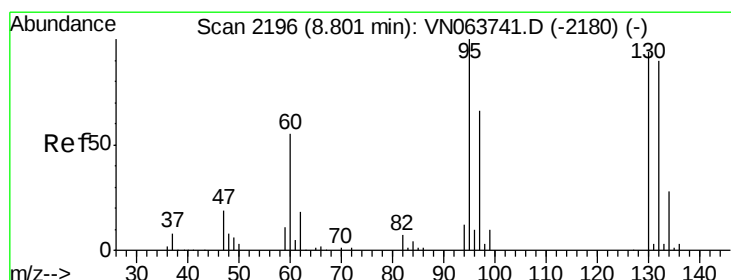
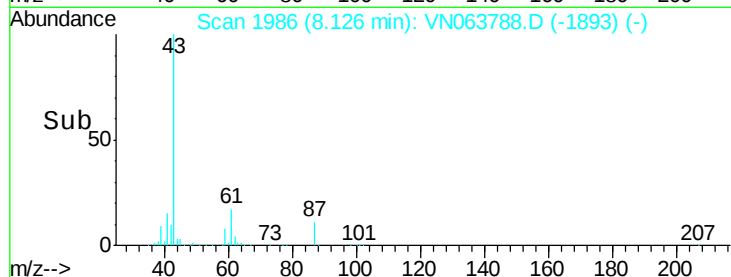
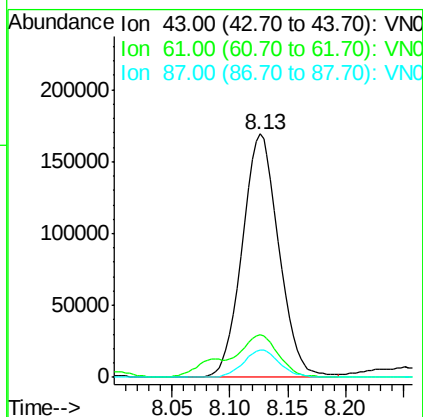
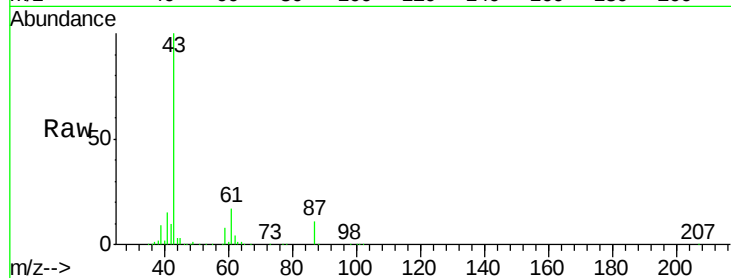
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	371040
Ion	Ratio	Lower	Upper
43	100		
61	17.5	14.2	21.4
87	11.3	9.0	13.6

Manual Integrations
APPROVED

MMDadoda
10/2/2020 3:11:56 PM



#44

Trichloroethene

Concen: 43.014 ug/l

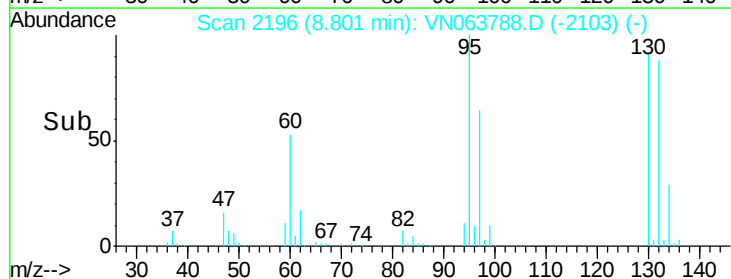
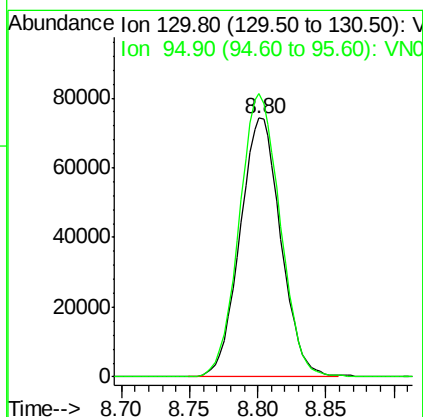
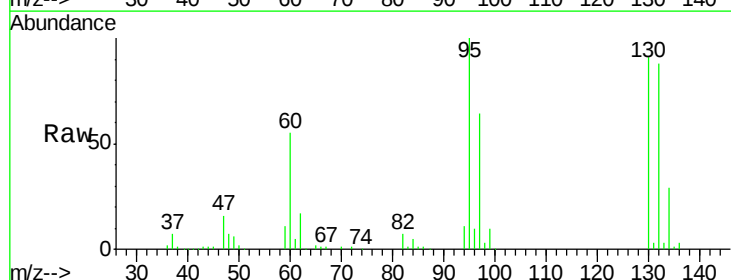
RT: 8.80 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN063788.D

Acq: 1 Oct 2020 21:45

Tgt Ion:	130	Resp:	154178
Ion	Ratio	Lower	Upper
130	100		
95	109.3	0.0	213.6





#45

1,2-Dichloropropane

Concen: 44.863 ug/l

RT: 9.08 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN063788.D

Acq: 1 Oct 2020 21:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 165746

Ion Ratio Lower Upper

63 100

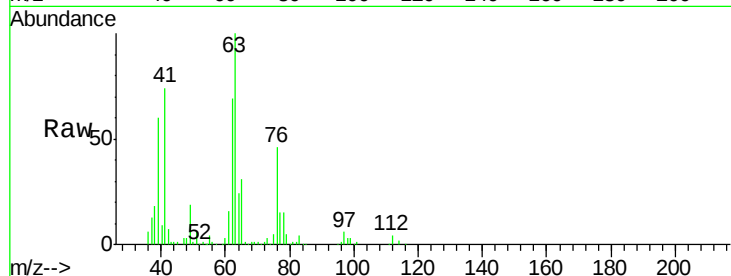
65 30.9 24.7 37.1

Manual Integrations

APPROVED

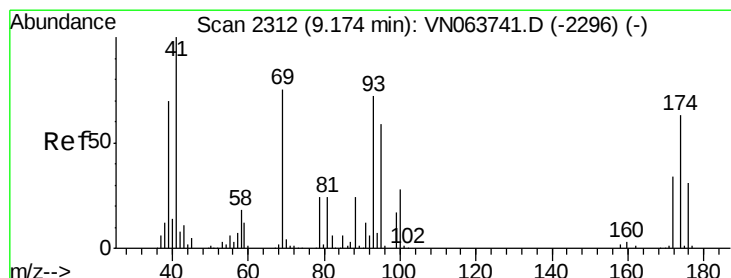
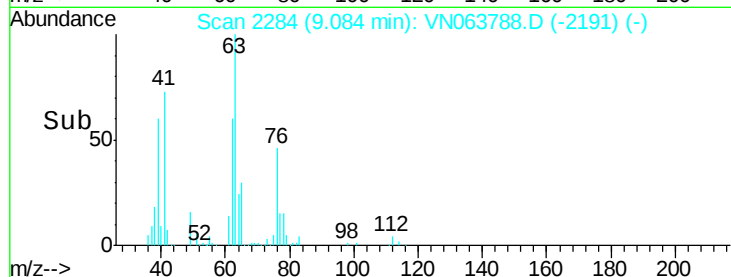
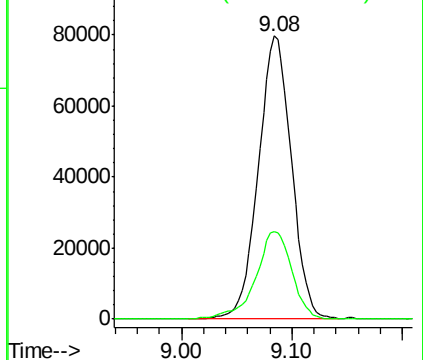
MMDadoda

10/2/2020 3:11:56 PM



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO



#46

Dibromomethane

Concen: 44.771 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN063788.D

Acq: 1 Oct 2020 21:45

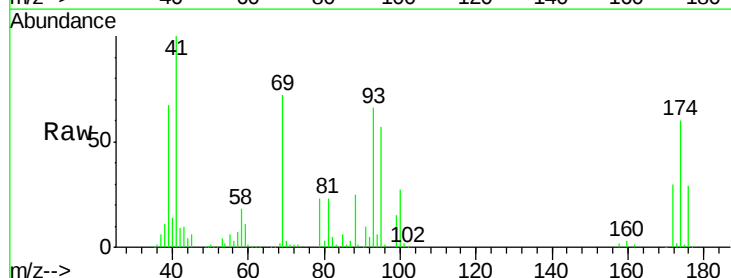
Tgt Ion: 93 Resp: 114107

Ion Ratio Lower Upper

93 100

95 85.0 66.3 99.5

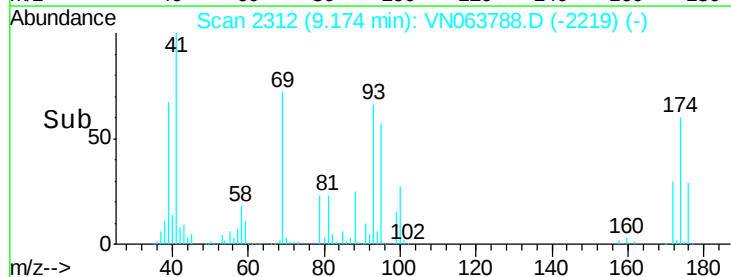
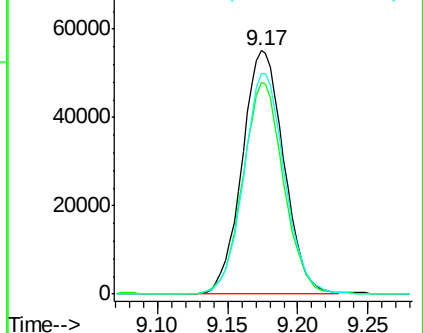
174 89.1 72.7 109.1



Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO





#47

Bromodichloromethane

Concen: 46.808 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN063788.D

Acq: 1 Oct 2020 21:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 245866
Ion Ratio Lower Upper

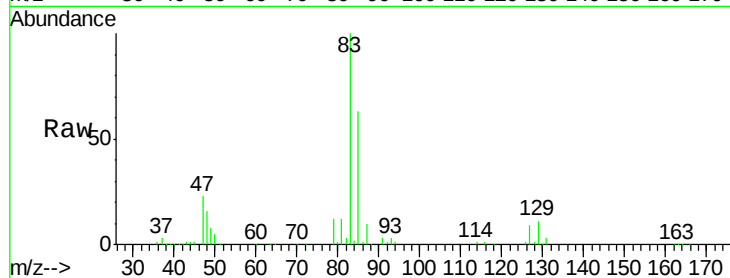
83 100

85 62.8 50.6 75.8

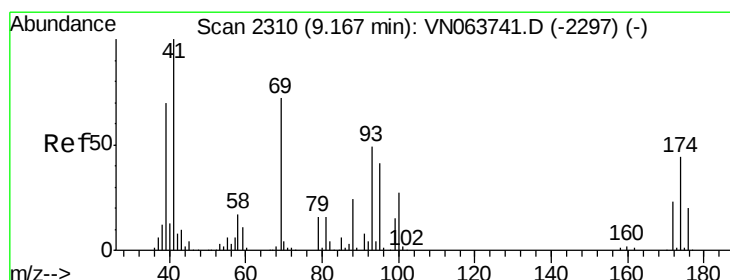
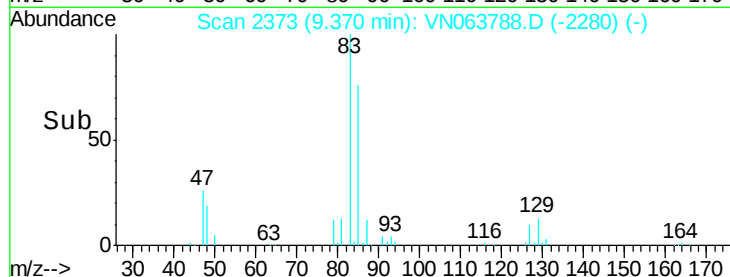
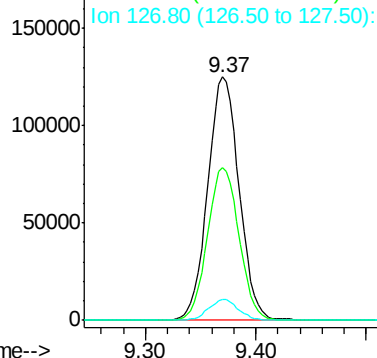
127 8.6 6.6 9.8

Manual Integrations
APPROVED

MMDadoda
10/2/2020 3:11:56 PM



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO



#48

Methyl methacrylate

Concen: 48.298 ug/l

RT: 9.17 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN063788.D

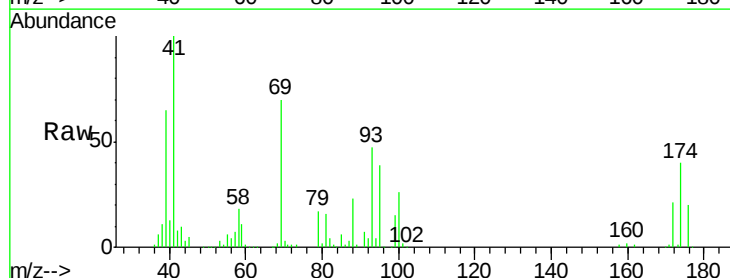
Acq: 1 Oct 2020 21:45

Tgt Ion: 41 Resp: 187290
Ion Ratio Lower Upper

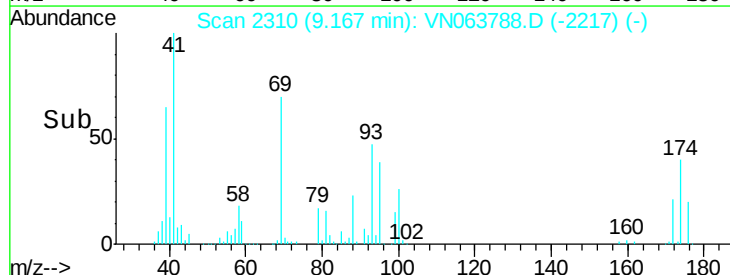
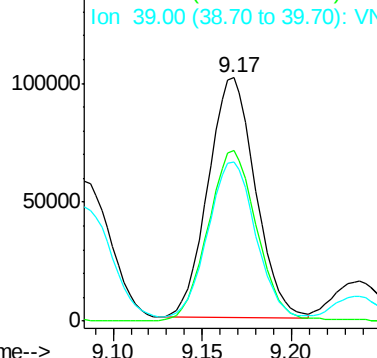
41 100

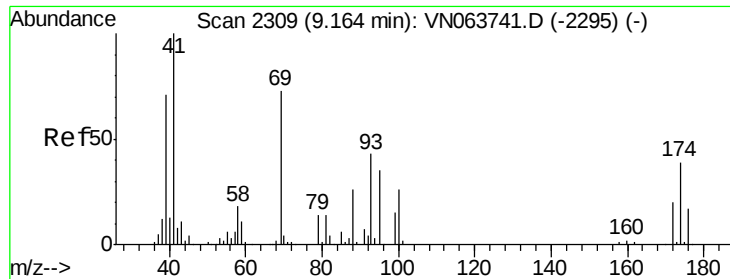
69 73.2 60.9 91.3

39 68.0 57.5 86.3



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





#49

1,4-Dioxane

Concen: 902.611 ug/l

RT: 9.16 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN063788.D

Acq: 1 Oct 2020 21:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 88 Resp: 49745

Ion Ratio Lower Upper

88 100

43 38.3 33.1 49.7

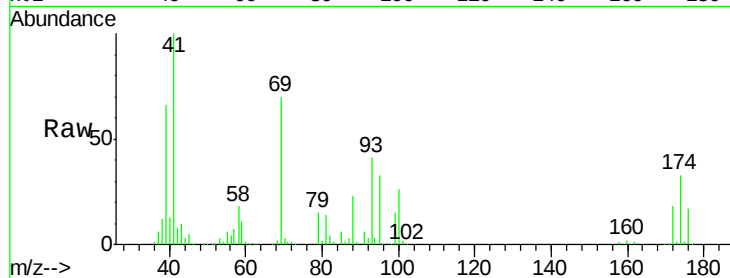
58 74.2 58.9 88.3

Manual Integrations

APPROVED

MMDadoda

10/2/2020 3:11:56 PM

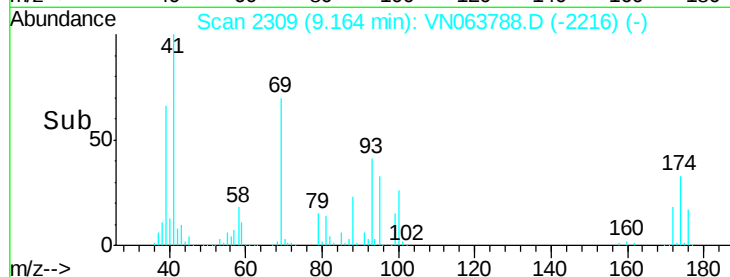


Abundance Ion 88.00 (87.70 to 88.70): VN063741.D (-2295) (-)

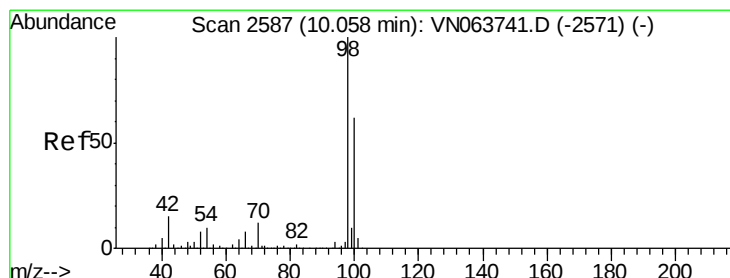
Ion 43.00 (42.70 to 43.70): VN063741.D (-2295) (-)

Ion 58.00 (57.70 to 58.70): VN063741.D (-2295) (-)

Time-->



Time-->



#50

Toluene-d8

Concen: 42.806 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063788.D

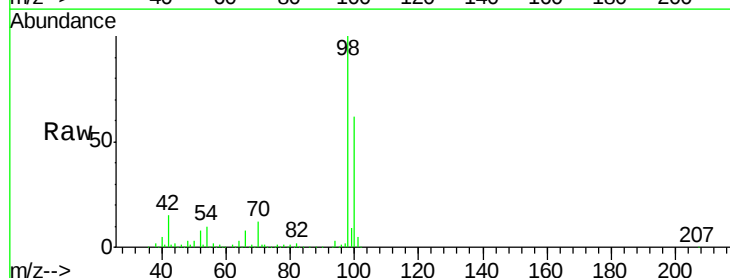
Acq: 1 Oct 2020 21:45

Tgt Ion: 98 Resp: 532316

Ion Ratio Lower Upper

98 100

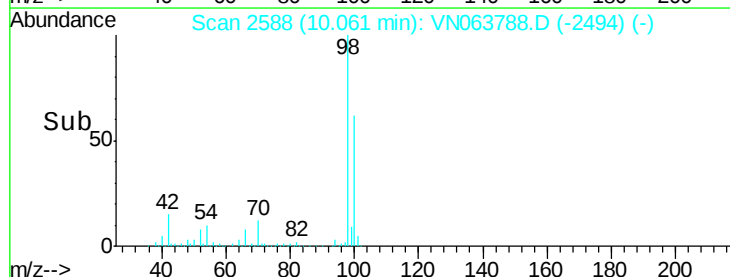
100 62.6 49.8 74.6



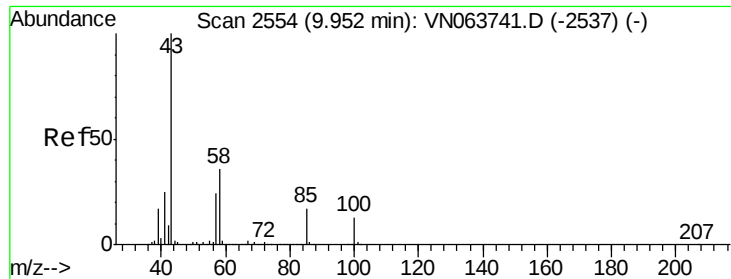
Abundance Ion 98.00 (97.70 to 98.70): VN063741.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN063741.D (-2571) (-)

Time-->



Time-->



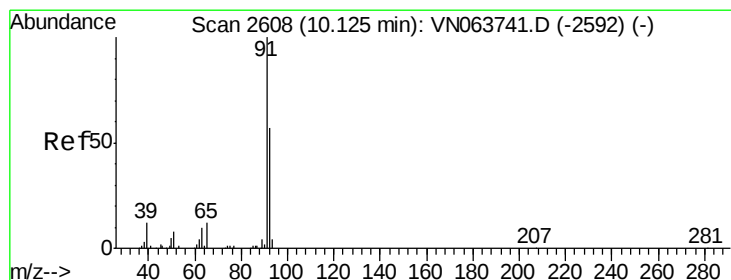
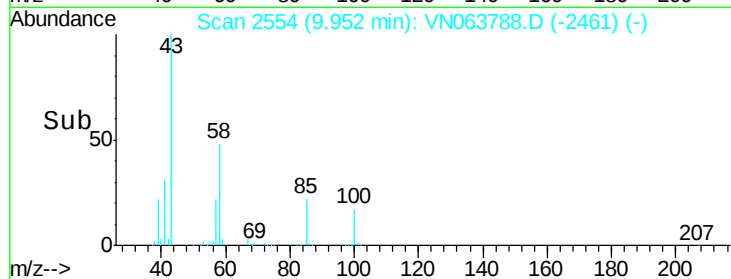
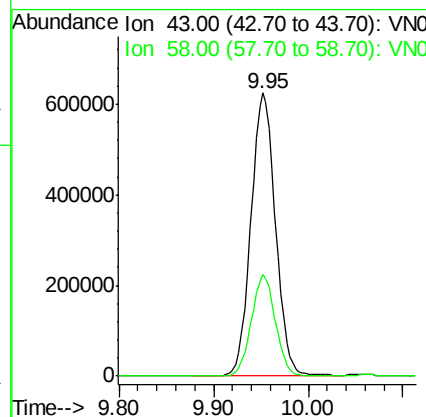
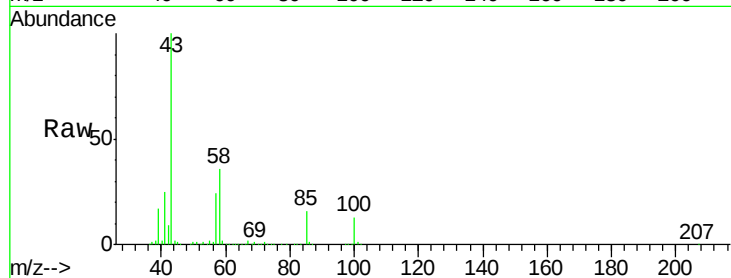
#51
4-Methyl-2-Pentanone
Concen: 242.771 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN063788.D
Acq: 1 Oct 2020 21:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1118218
Ion Ratio Lower Upper
43 100
58 35.3 28.4 42.6

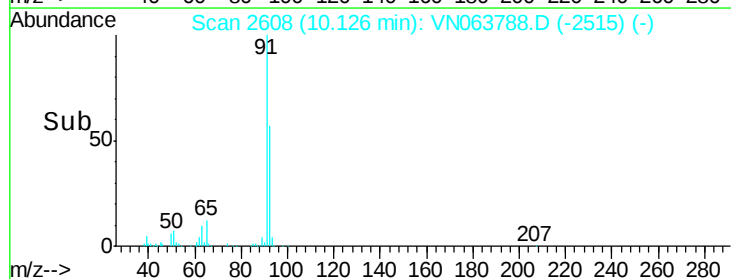
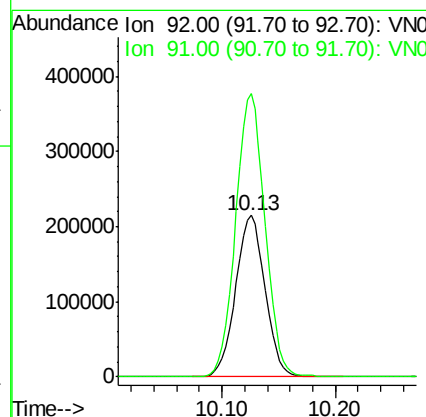
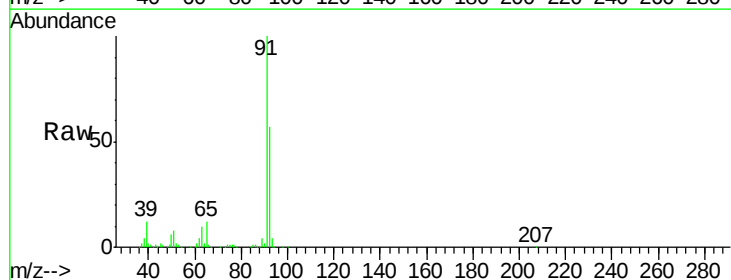
Manual Integrations
APPROVED

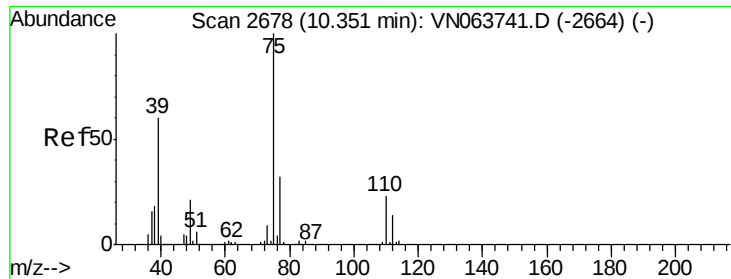
MMDadoda
10/2/2020 3:11:56 PM



#52
Toluene
Concen: 45.955 ug/l
RT: 10.13 min Scan# 2608
Delta R.T. 0.00 min
Lab File: VN063788.D
Acq: 1 Oct 2020 21:45

Tgt Ion: 92 Resp: 388852
Ion Ratio Lower Upper
92 100
91 174.9 140.6 210.8





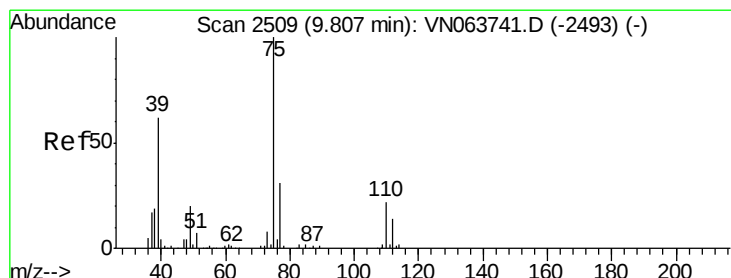
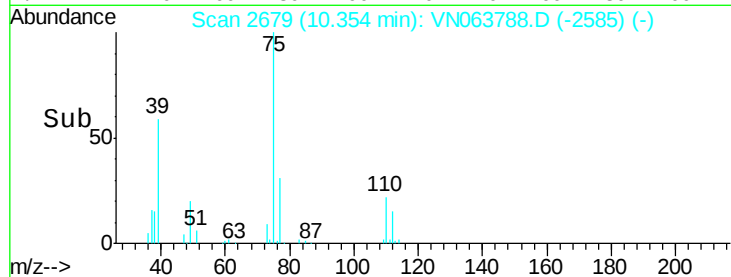
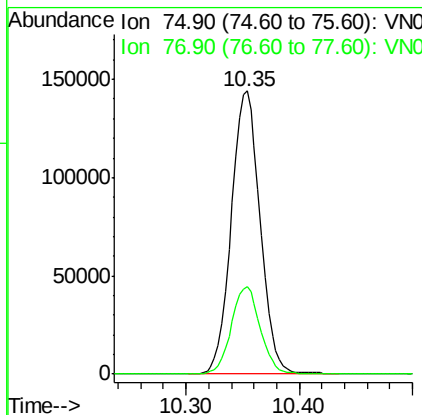
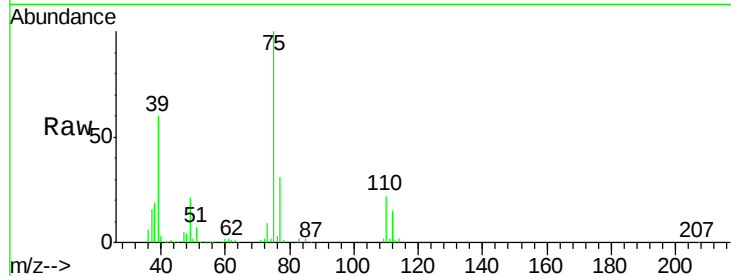
#53
t-1,3-Dichloropropene
Concen: 45.496 ug/l
RT: 10.35 min Scan# 2679
Delta R.T. 0.00 min
Lab File: VN063788.D
Acq: 1 Oct 2020 21:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 256170
Ion Ratio Lower Upper
75 100
77 30.9 25.3 37.9

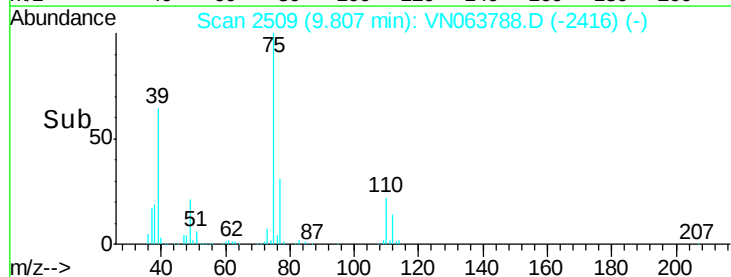
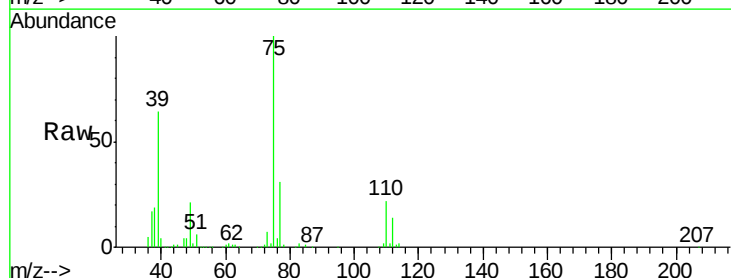
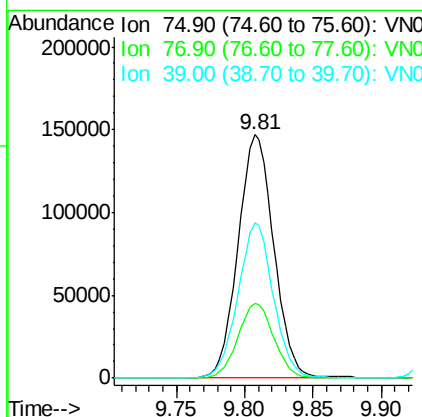
Manual Integrations
APPROVED

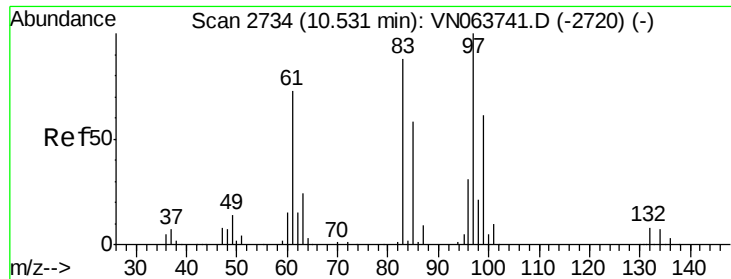
MMDadoda
10/2/2020 3:11:56 PM



#54
cis-1,3-Dichloropropene
Concen: 45.318 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN063788.D
Acq: 1 Oct 2020 21:45

Tgt Ion: 75 Resp: 266858
Ion Ratio Lower Upper
75 100
77 30.9 24.6 36.8
39 63.7 49.7 74.5





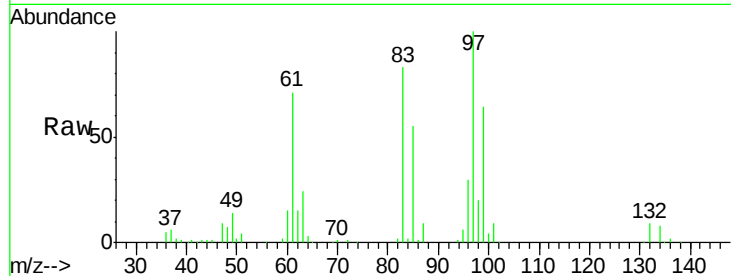
#55
 1,1,2-Trichloroethane
 Concen: 47.300 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN063788.D
 Acq: 1 Oct 2020 21:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	160506
Ion	Ratio	Lower	Upper
97	100		
83	82.7	70.7	106.1
85	55.3	46.1	69.1
99	63.8	48.8	73.2

Manual Integrations
 APPROVED

MMDadoda
 10/2/2020 3:11:56 PM

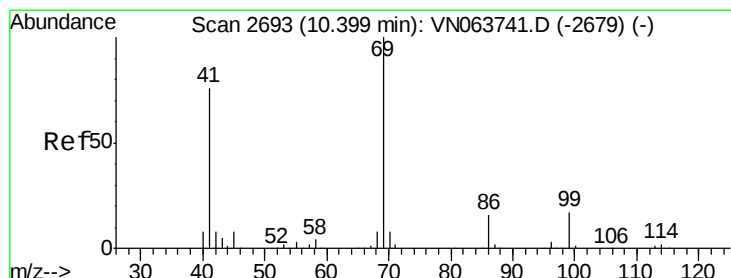
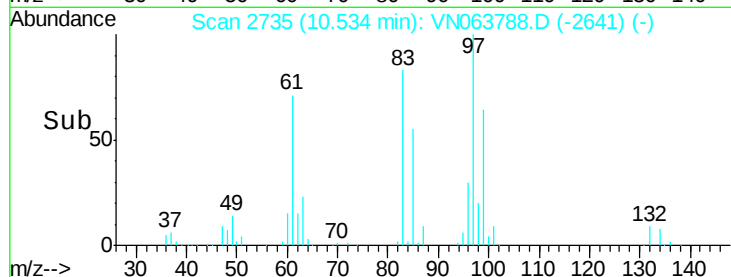
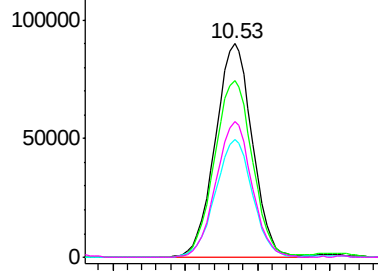


Abundance Ion 96.90 (96.60 to 97.60): VN063788.D (-2641) (-)

Ion 82.90 (82.60 to 83.60): VN063788.D (-2641) (-)

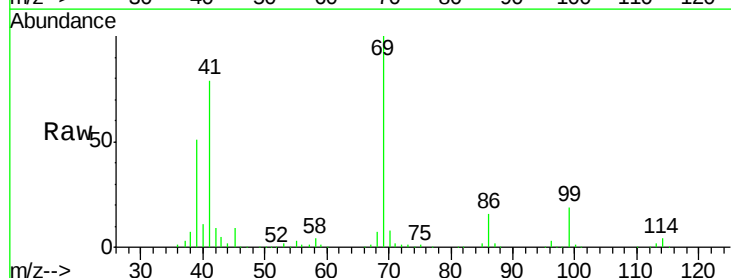
Ion 84.90 (84.60 to 85.60): VN063788.D (-2641) (-)

Ion 98.90 (98.60 to 99.60): VN063788.D (-2641) (-)



#56
 Ethyl methacrylate
 Concen: 49.335 ug/l
 RT: 10.40 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VN063788.D
 Acq: 1 Oct 2020 21:45

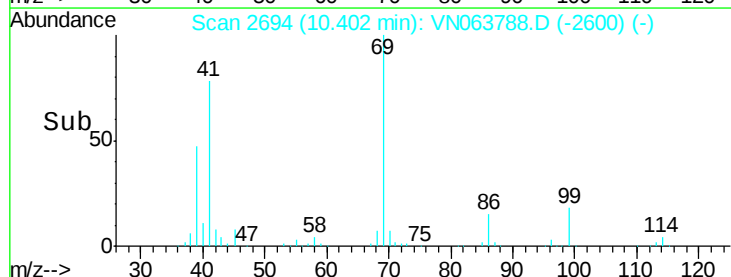
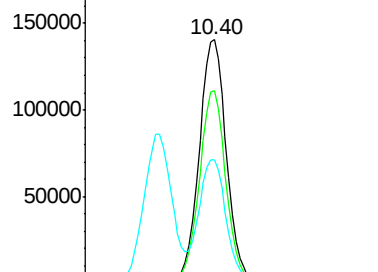
Tgt Ion:	69	Resp:	237300
Ion	Ratio	Lower	Upper
69	100		
41	76.0	61.1	91.7
39	50.5	42.2	63.4

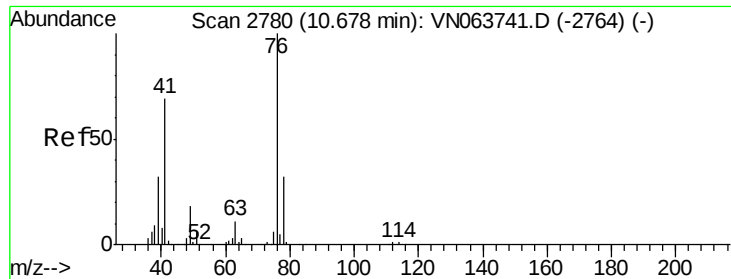


Abundance Ion 69.00 (68.70 to 69.70): VN063788.D (-2600) (-)

Ion 41.00 (40.70 to 41.70): VN063788.D (-2600) (-)

Ion 39.00 (38.70 to 39.70): VN063788.D (-2600) (-)





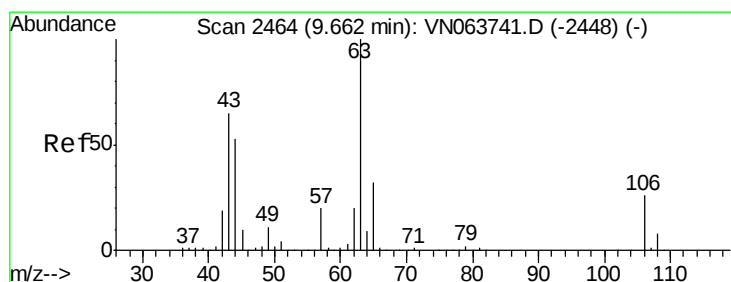
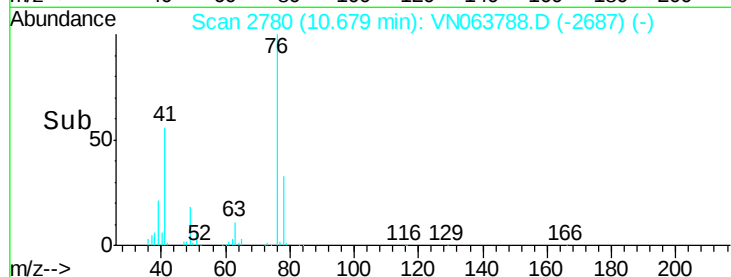
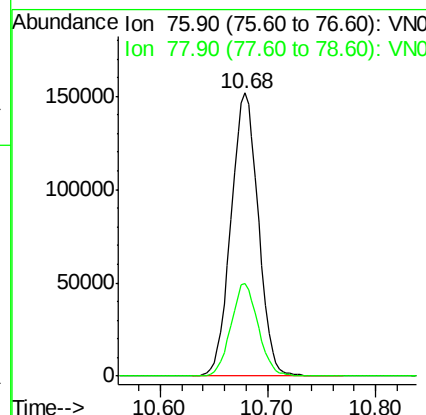
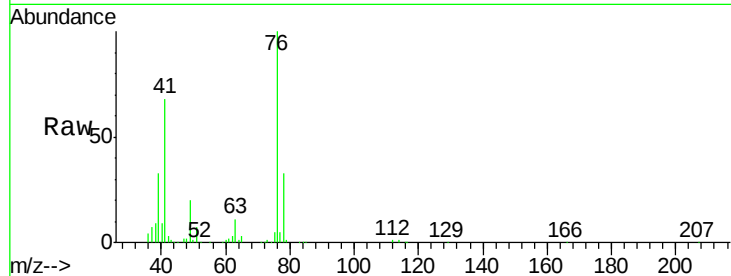
#57
 1,3-Dichloropropane
 Concen: 46.782 ug/l
 RT: 10.68 min Scan# 2780
 Delta R.T. 0.00 min
 Lab File: VN063788.D
 Acq: 1 Oct 2020 21:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 268574
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.2 37.8

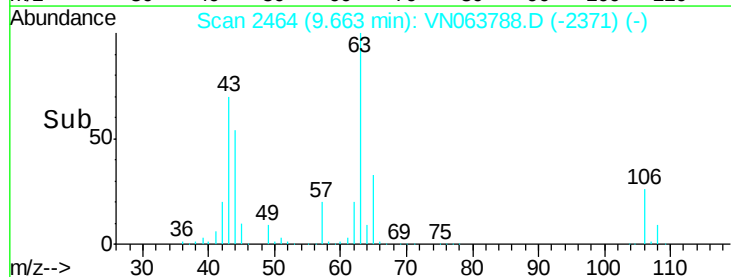
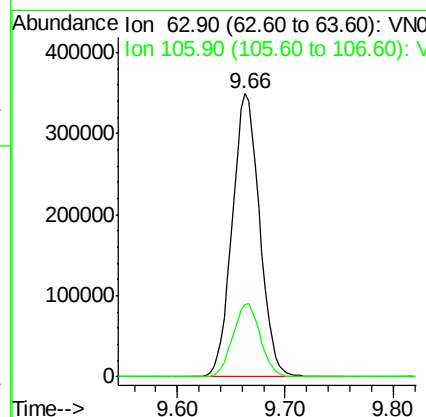
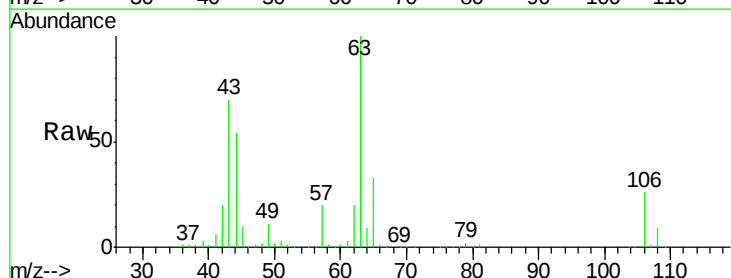
Manual Integrations
 APPROVED

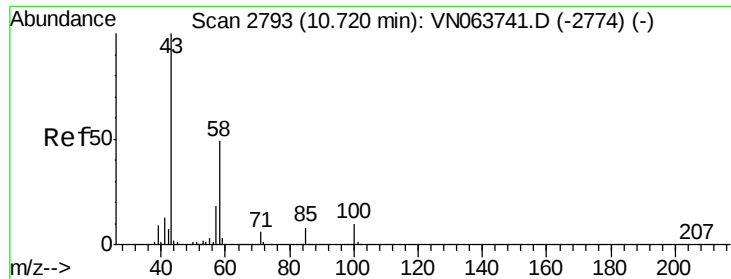
MMDadoda
 10/2/2020 3:11:56 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 240.513 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN063788.D
 Acq: 1 Oct 2020 21:45

Tgt Ion: 63 Resp: 618819
 Ion Ratio Lower Upper
 63 100
 106 26.0 20.7 31.1





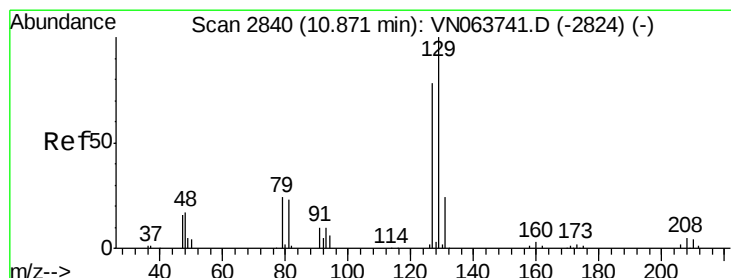
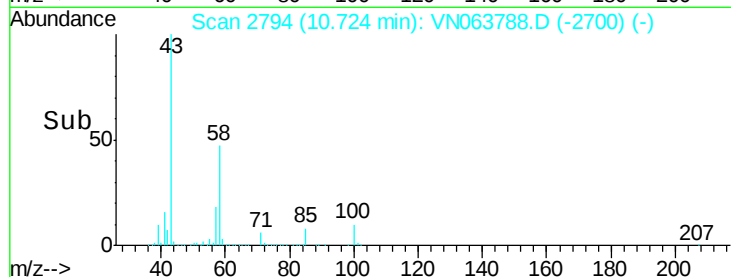
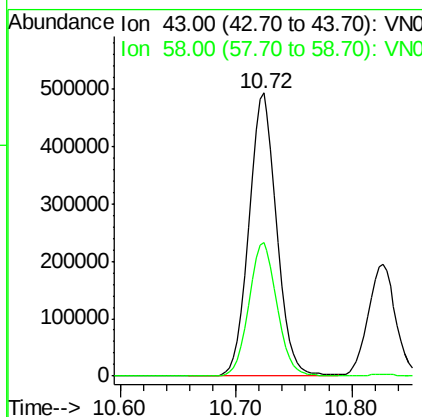
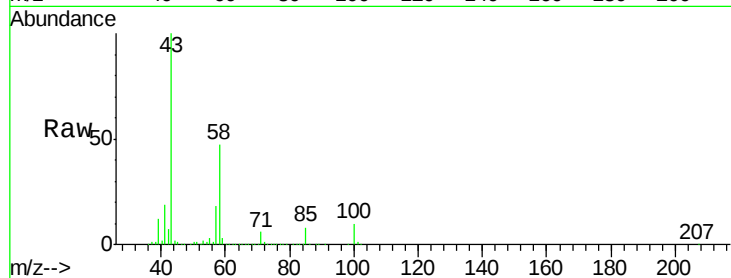
#59
2-Hexanone
Concen: 239.273 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN063788.D
Acq: 1 Oct 2020 21:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 818711
Ion Ratio Lower Upper
43 100
58 48.2 24.6 73.8

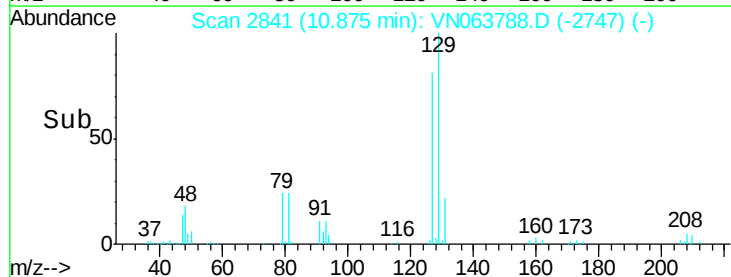
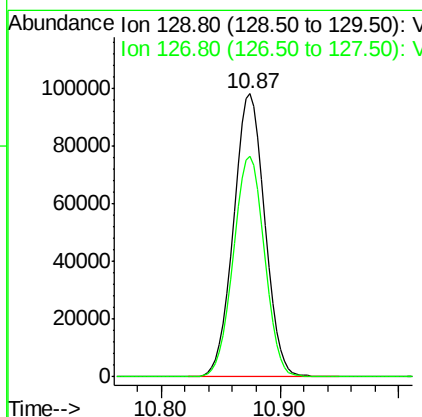
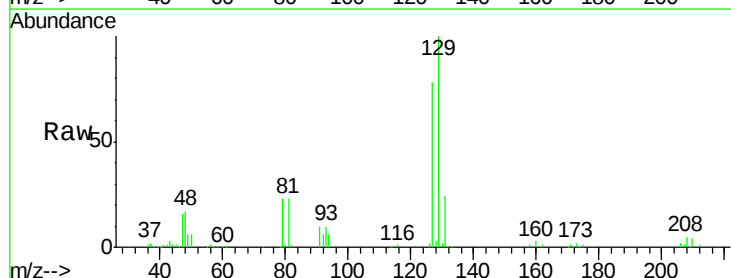
Manual Integrations
APPROVED

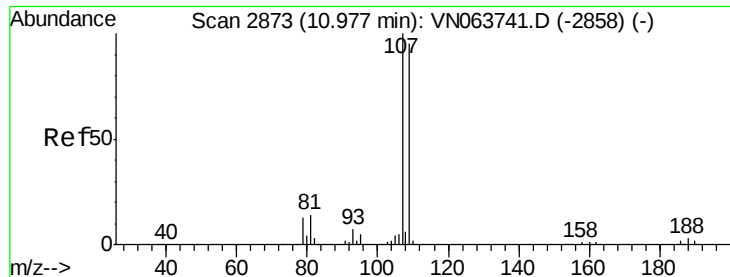
MMDadoda
10/2/2020 3:11:56 PM



#60
Dibromochloromethane
Concen: 45.303 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN063788.D
Acq: 1 Oct 2020 21:45

Tgt Ion: 129 Resp: 179032
Ion Ratio Lower Upper
129 100
127 77.6 38.9 116.7





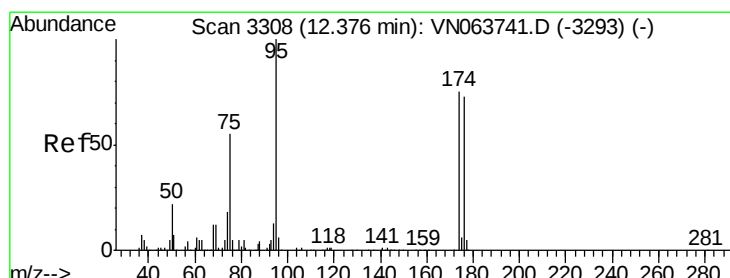
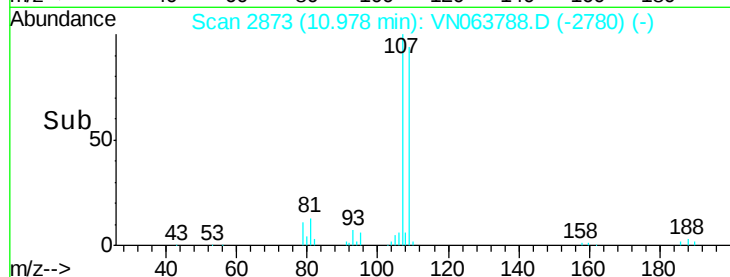
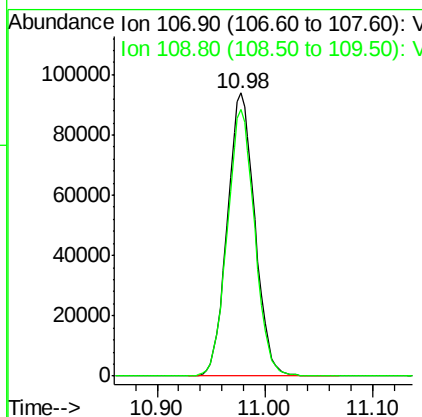
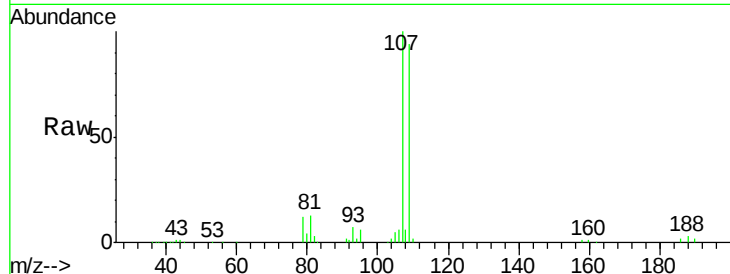
#61
 1,2-Dibromoethane
 Concen: 48.131 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN063788.D
 Acq: 1 Oct 2020 21:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.7	74.8	112.2

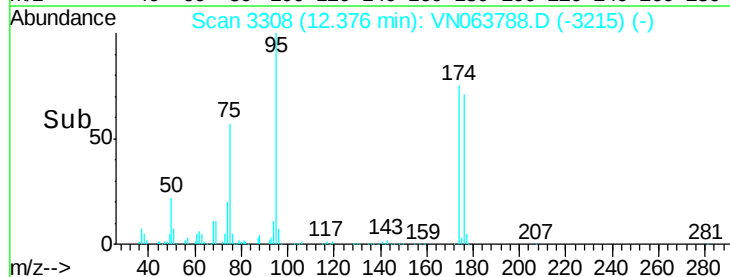
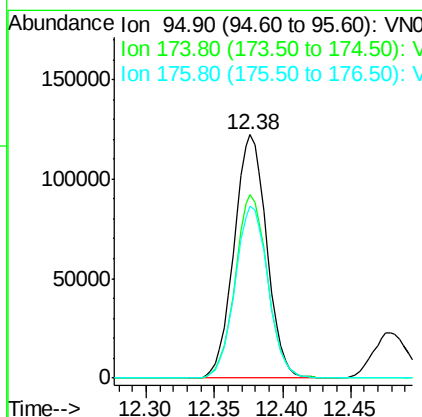
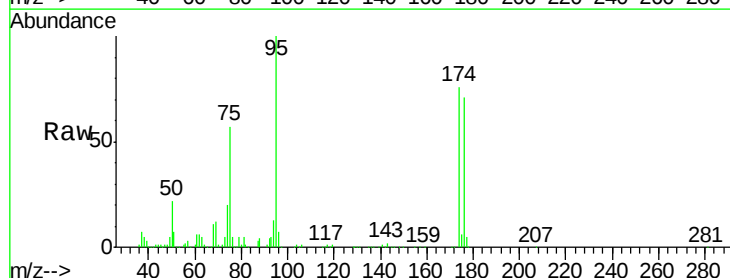
Manual Integrations
 APPROVED

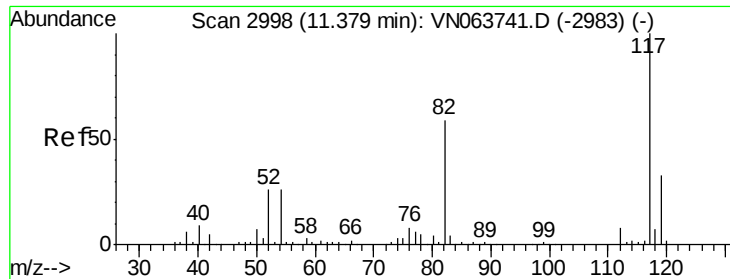
MMDadoda
 10/2/2020 3:11:56 PM



#62
 4-Bromofluorobenzene
 Concen: 43.435 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: VN063788.D
 Acq: 1 Oct 2020 21:45

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.5	0.0	150.6
176	71.5	0.0	145.4





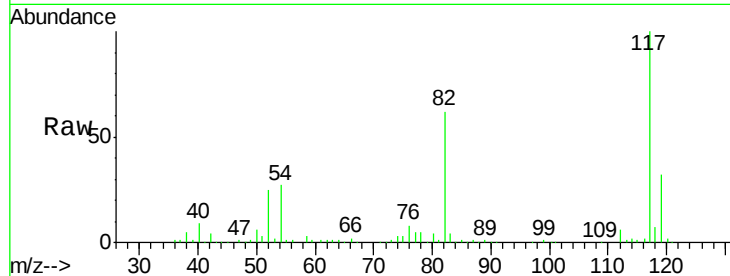
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063788.D
Acq: 1 Oct 2020 21:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.6	47.4	71.2
119	32.1	26.4	39.6

Manual Integrations
APPROVED

MMDadoda
10/2/2020 3:11:56 PM

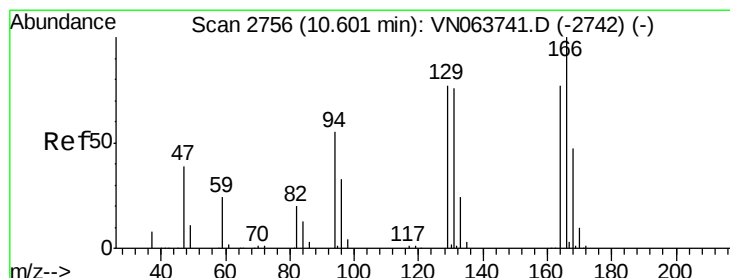
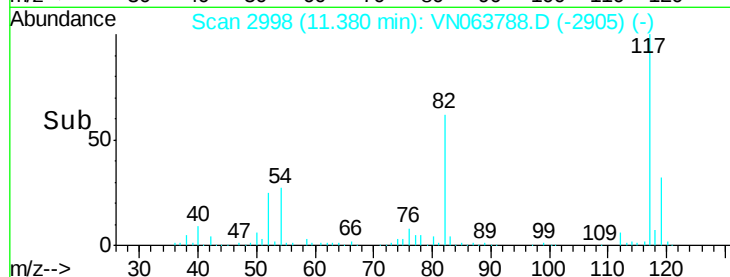
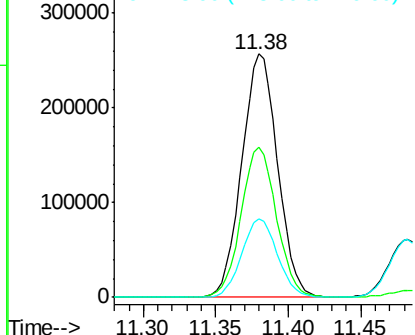


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 41.206 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN063788.D
Acq: 1 Oct 2020 21:45

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.5	103.9	155.9
129	104.3	80.3	120.5
131	98.6	78.9	118.3

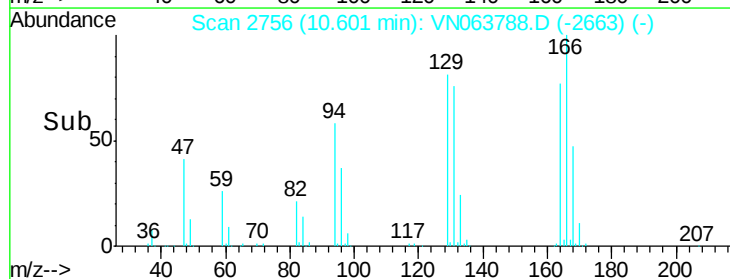
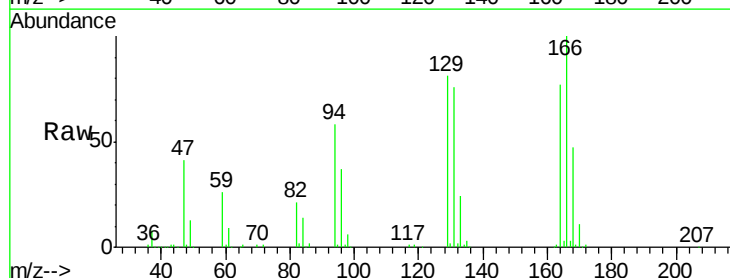
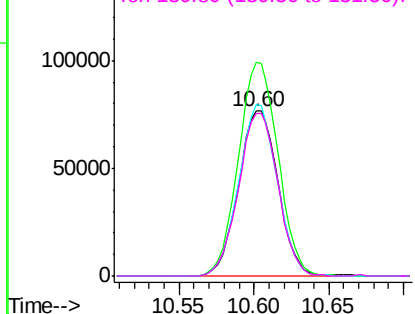
Abundance

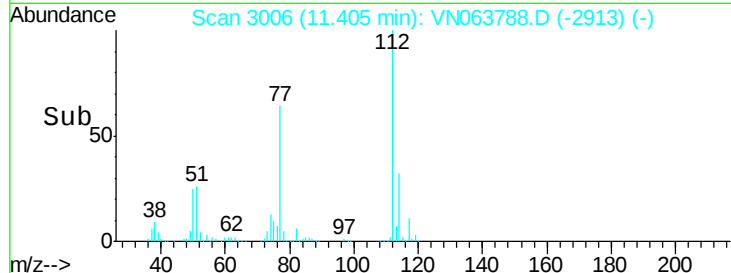
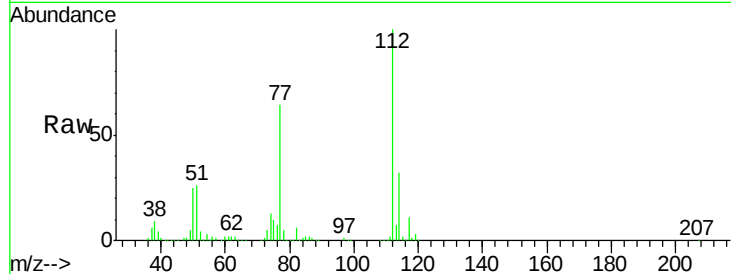
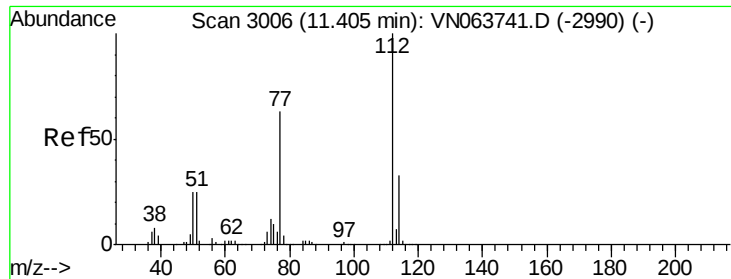
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





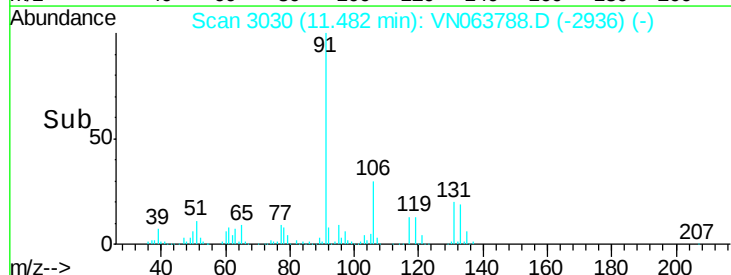
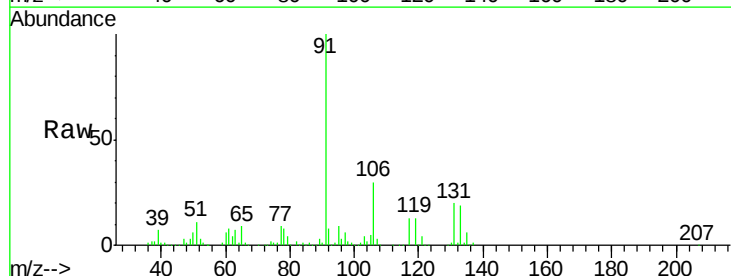
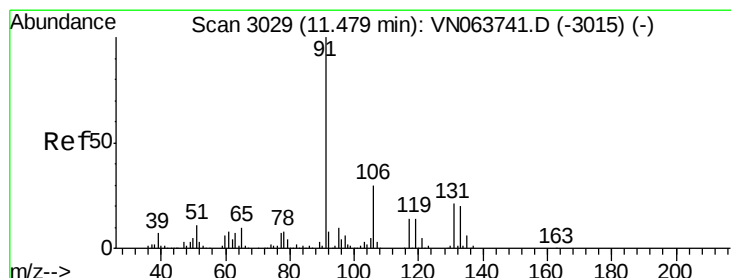
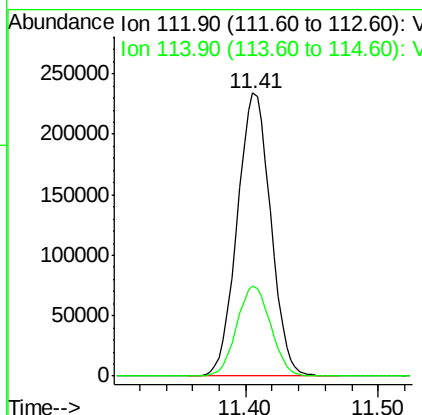
#65
Chlorobenzene
Concen: 45.263 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN063788.D
Acq: 1 Oct 2020 21:45

Tot Ion:112 Resp: 410870
Ion Ratio Lower Upper
112 100
114 31.8 26.1 39.1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

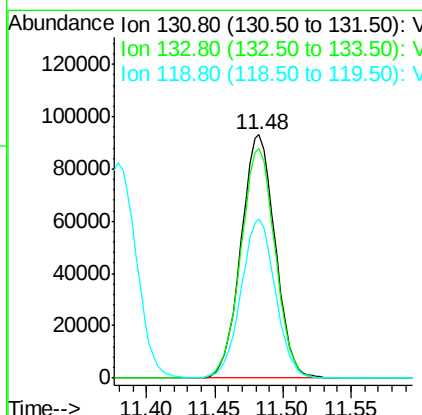
Manual Integrations
APPROVED

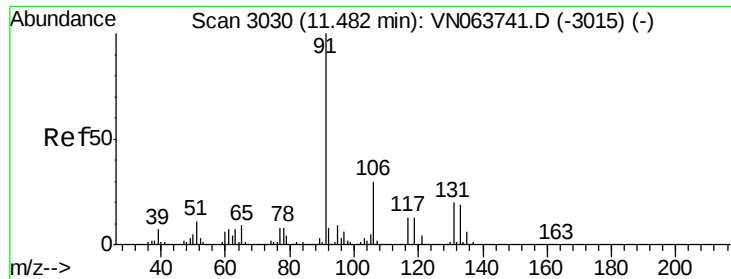
MMDadoda
10/2/2020 3:11:56 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 46.499 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN063788.D
Acq: 1 Oct 2020 21:45

Tgt Ion:131 Resp: 161814
Ion Ratio Lower Upper
131 100
133 94.7 47.3 141.8
119 65.6 32.6 97.7





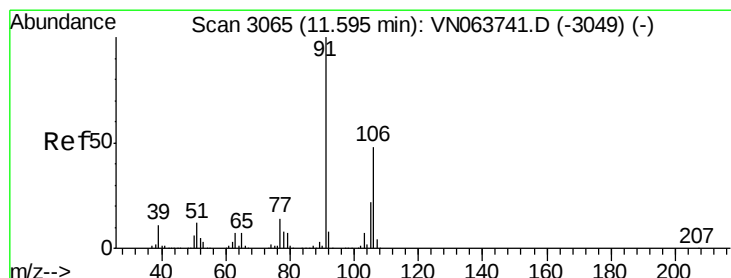
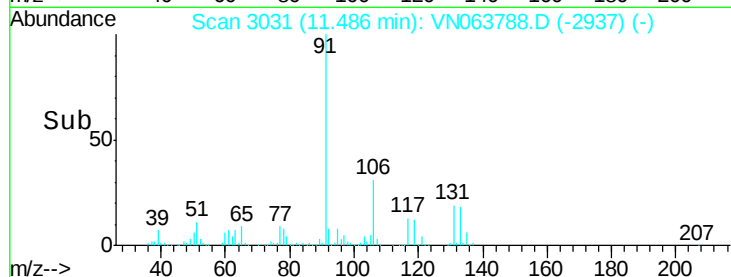
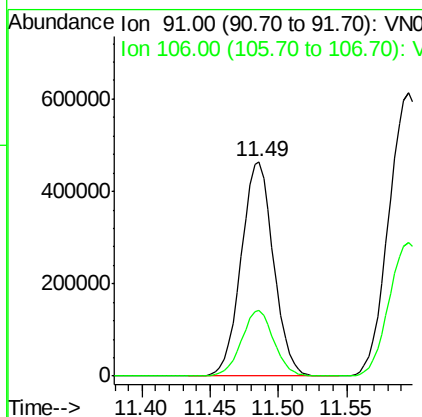
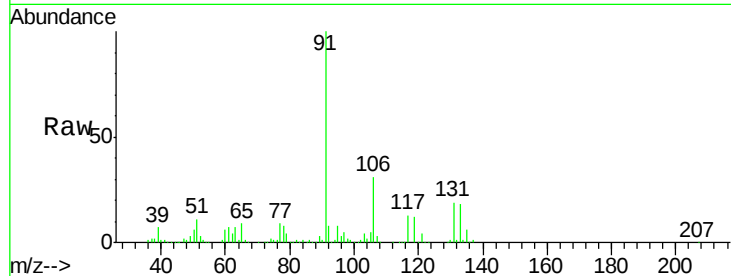
#67
Ethyl Benzene
Concen: 46.310 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. 0.00 min
Lab File: VN063788.D
Acq: 1 Oct 2020 21:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 764916
Ion Ratio Lower Upper
91 100
106 30.7 24.2 36.2

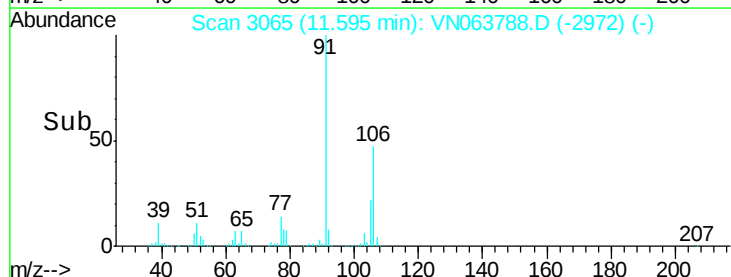
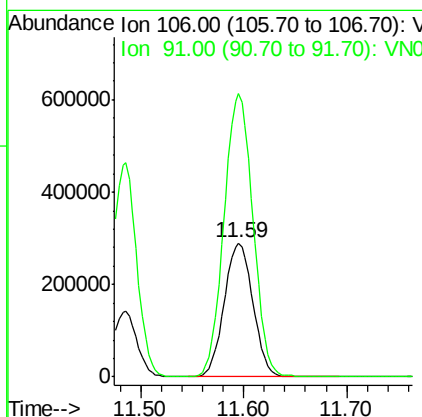
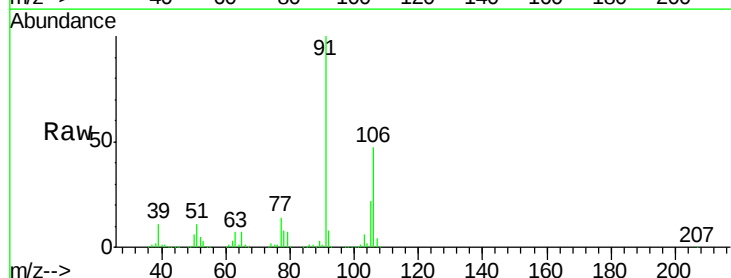
Manual Integrations
APPROVED

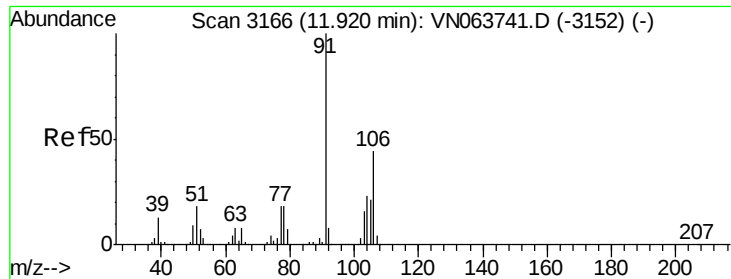
MMDadoda
10/2/2020 3:11:56 PM



#68
m/p-Xylenes
Concen: 91.191 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN063788.D
Acq: 1 Oct 2020 21:45

Tgt Ion: 106 Resp: 561370
Ion Ratio Lower Upper
106 100
91 213.3 168.0 252.0





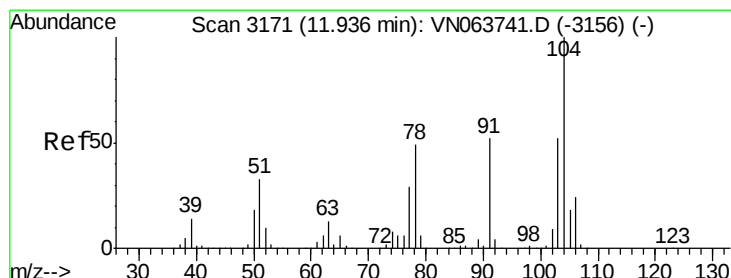
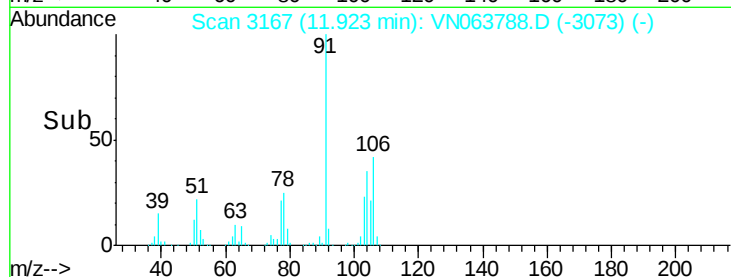
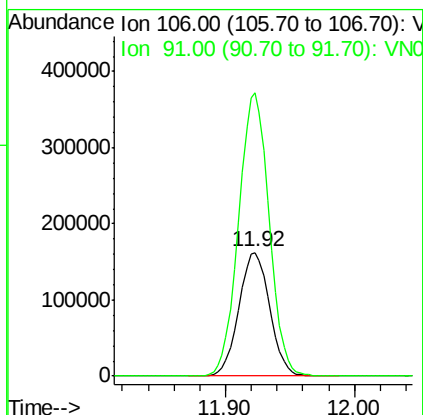
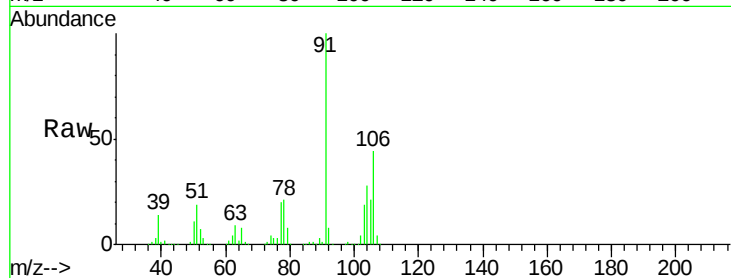
#69
o-Xylene
Concen: 47.142 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063788.D
Acq: 1 Oct 2020 21:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 271243
Ion Ratio Lower Upper
106 100
91 225.3 112.7 338.0

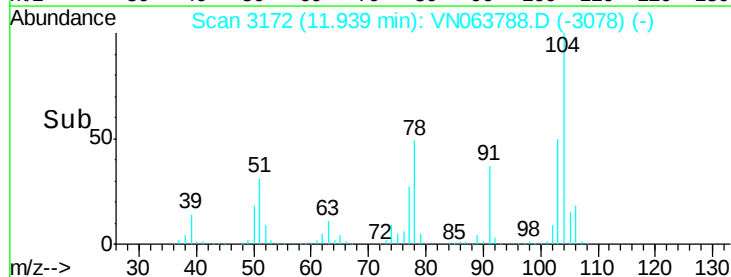
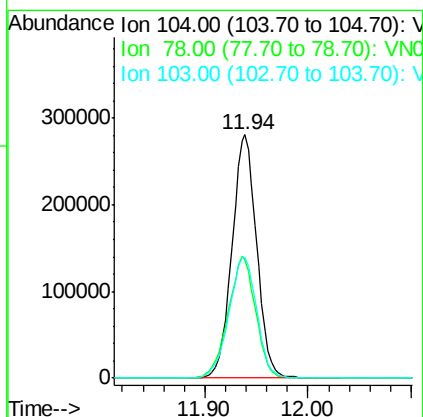
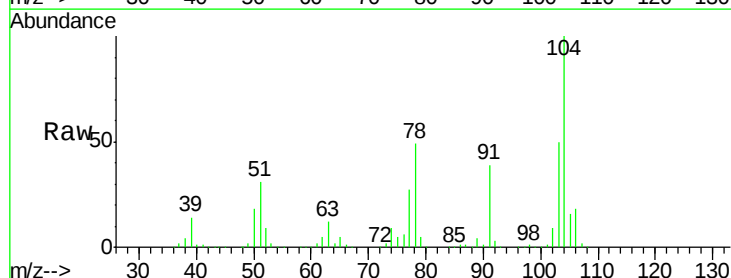
Manual Integrations
APPROVED

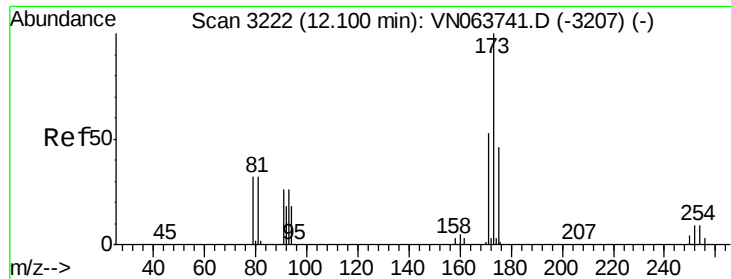
MMDadoda
10/2/2020 3:11:56 PM



#70
Styrene
Concen: 47.967 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN063788.D
Acq: 1 Oct 2020 21:45

Tgt Ion:104 Resp: 468490
Ion Ratio Lower Upper
104 100
78 55.6 44.1 66.1
103 55.8 44.3 66.5





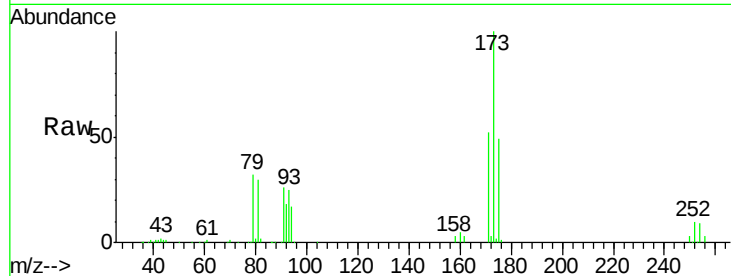
#71
Bromoform
Concen: 45.660 ug/l
RT: 12.10 min Scan# 3223
Delta R.T. 0.00 min
Lab File: VN063788.D
Acq: 1 Oct 2020 21:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

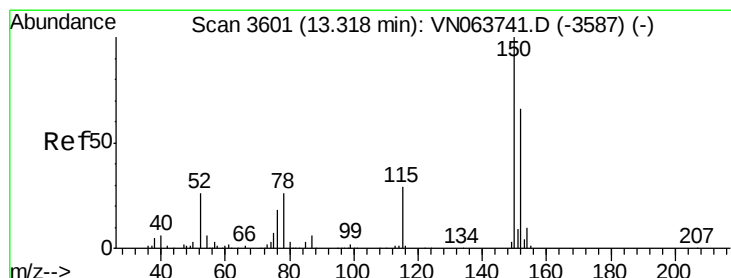
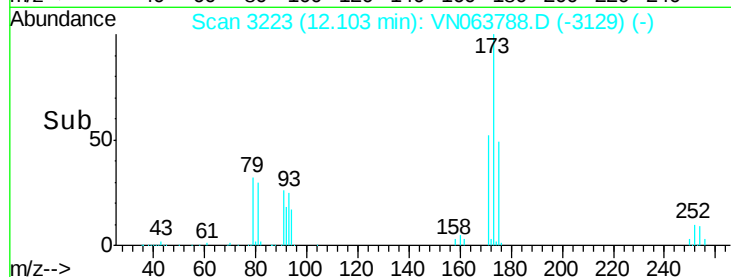
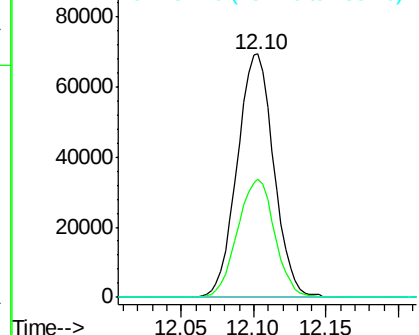
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	23.5	70.5
254	0.0	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
10/2/2020 3:11:56 PM

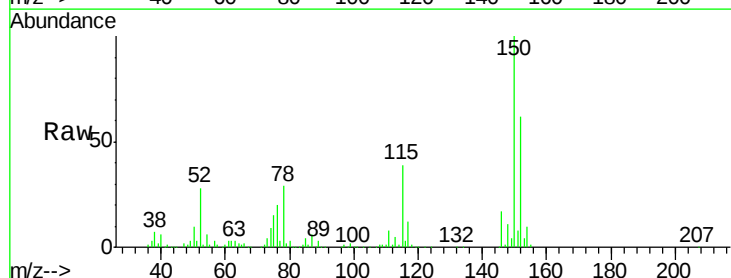


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

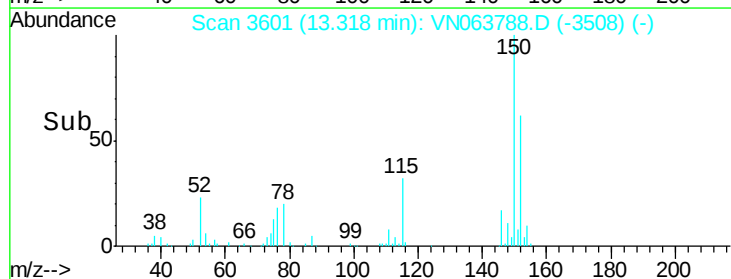
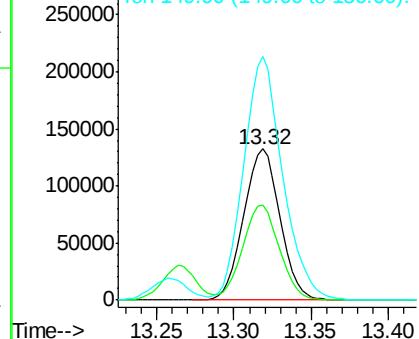


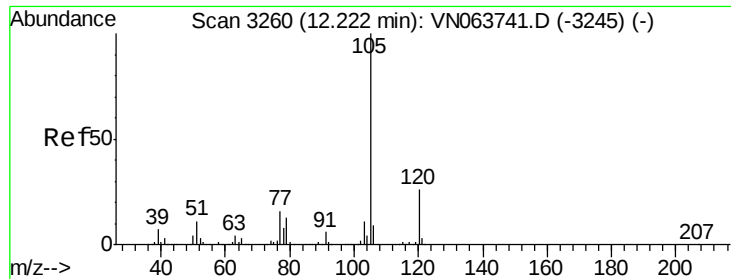
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN063788.D
Acq: 1 Oct 2020 21:45

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.9	31.3	93.8
150	172.5	0.0	341.8



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





#73

Isopropylbenzene

Concen: 45.972 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN063788.D

Acq: 1 Oct 2020 21:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 724729

Ion Ratio Lower Upper

105 100

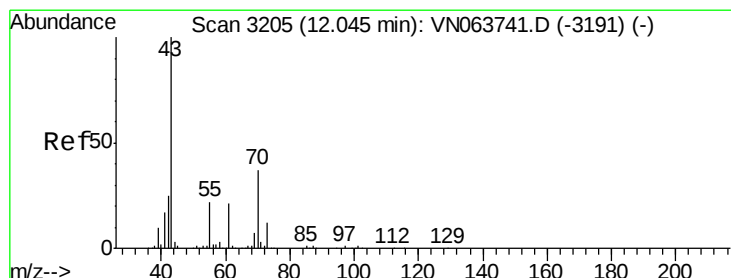
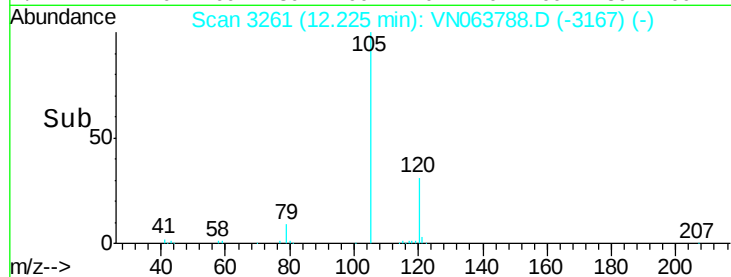
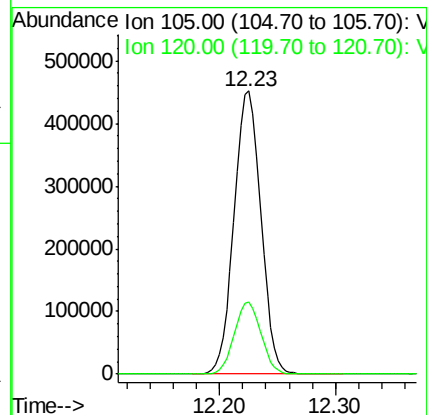
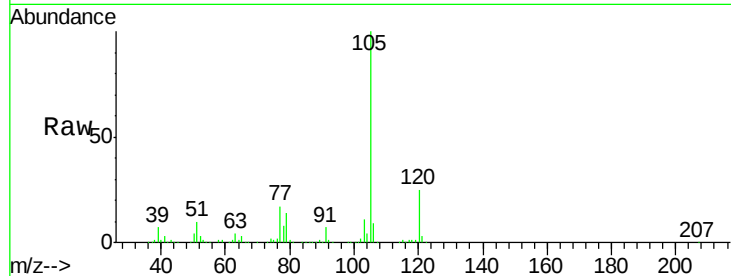
120 25.4 12.6 37.8

Manual Integrations

APPROVED

MMDadoda

10/2/2020 3:11:56 PM



#74

N-ethyl acetate

Concen: 45.835 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN063788.D

Acq: 1 Oct 2020 21:45

Tgt Ion: 43 Resp: 334424

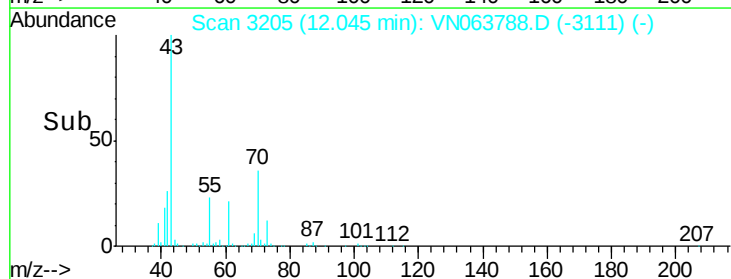
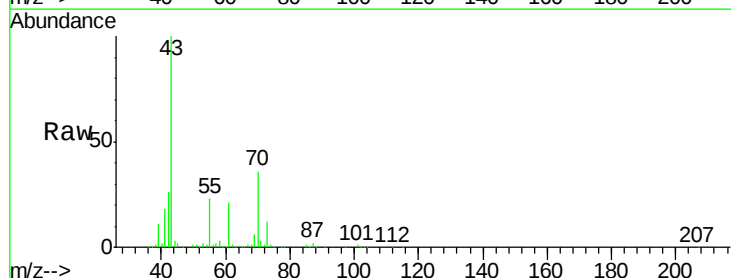
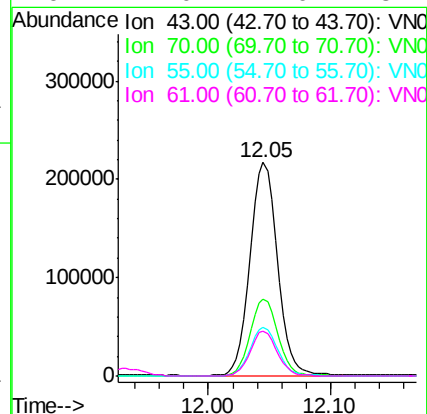
Ion Ratio Lower Upper

43 100

70 36.5 29.8 44.8

55 23.3 17.9 26.9

61 21.0 17.0 25.4





#75

1,1,2,2-Tetrachloroethane

Concen: 47.167 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN063788.D

Acq: 1 Oct 2020 21:45

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 83 Resp: 227374

Ion Ratio Lower Upper

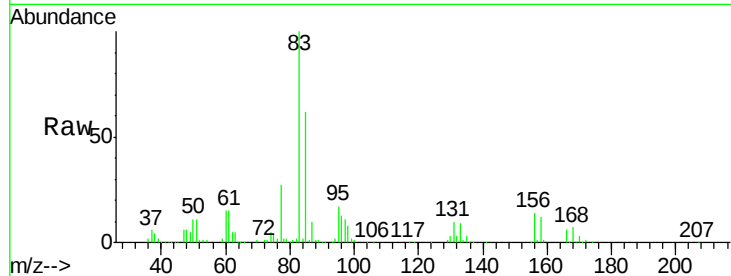
83 100

131 9.9 5.3 15.8

85 63.3 31.3 93.8

Manual Integrations
APPROVED

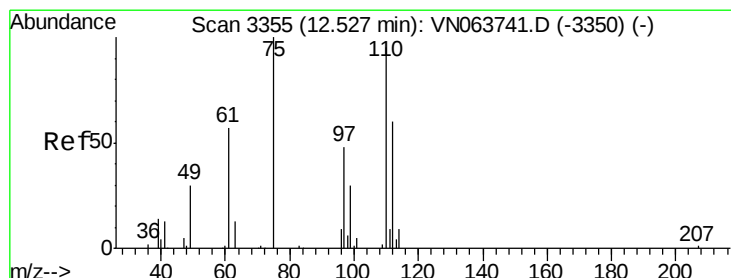
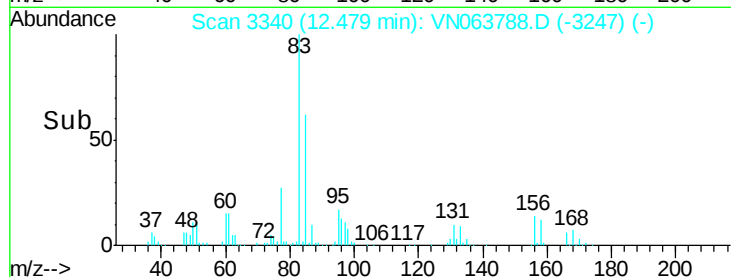
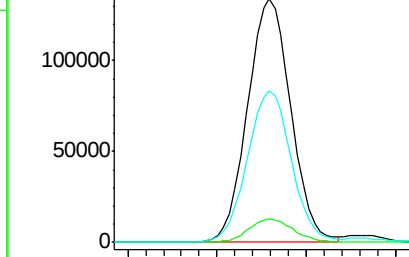
MMDadoda
10/2/2020 3:11:56 PM



Abundance Ion 82.90 (82.60 to 83.60): VN063741.D (-3325) (-)

Ion 130.80 (130.50 to 131.50): VN063741.D (-3325) (-)

Ion 84.90 (84.60 to 85.60): VN063741.D (-3325) (-)



#76

1,2,3-Trichloropropane

Concen: 44.591 ug/l m

RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN063788.D

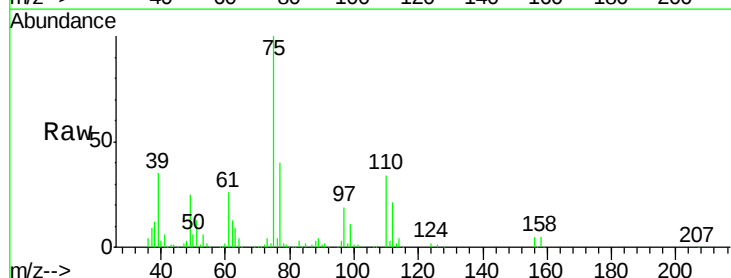
Acq: 1 Oct 2020 21:45

Tgt Ion: 75 Resp: 212450

Ion Ratio Lower Upper

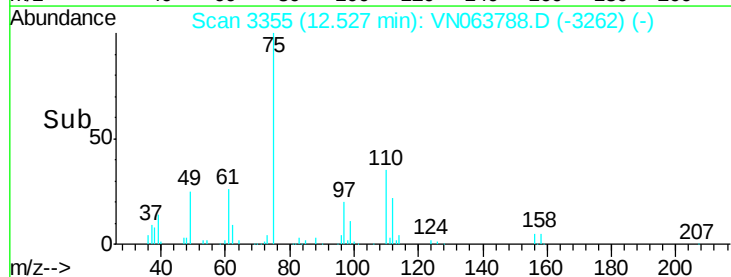
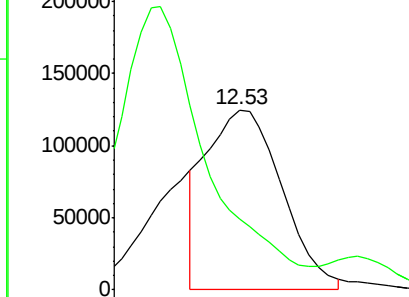
75 100

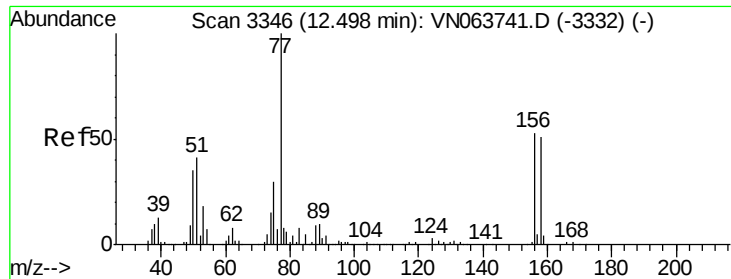
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN063741.D (-3350) (-)

Ion 77.00 (76.70 to 77.70): VN063741.D (-3350) (-)





#77

Bromobenzene

Concen: 46.589 ug/l

RT: 12.50 min Scan# 3347

Delta R.T. 0.00 min

Lab File: VN063788.D

Acq: 1 Oct 2020 21:45

Instrument :

MSVOA_N

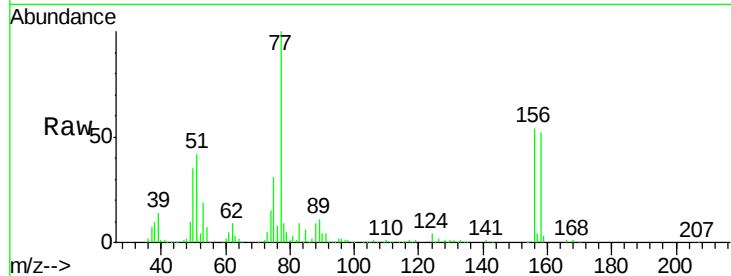
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		180215		
77	222.1	110.9	332.7		
158	97.2	47.7	143.1		

Manual Integrations
APPROVED

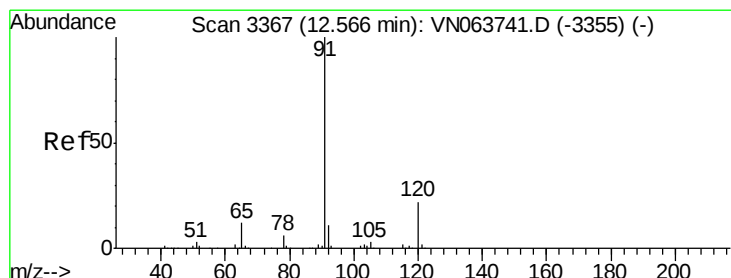
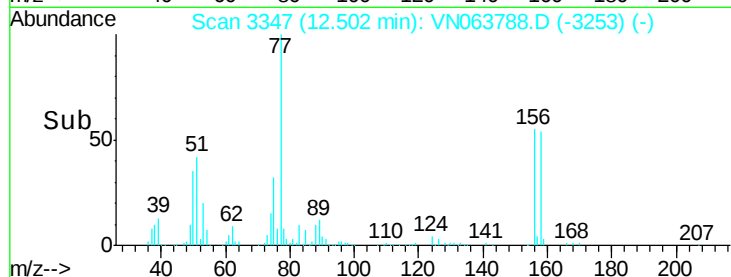
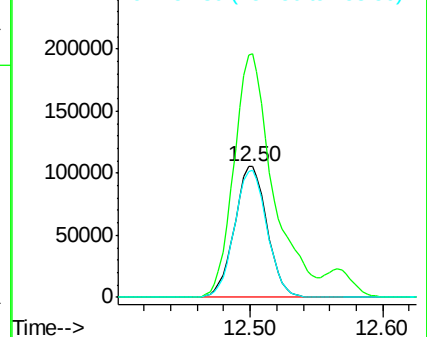
MMDadoda
10/2/2020 3:11:56 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 45.222 ug/l

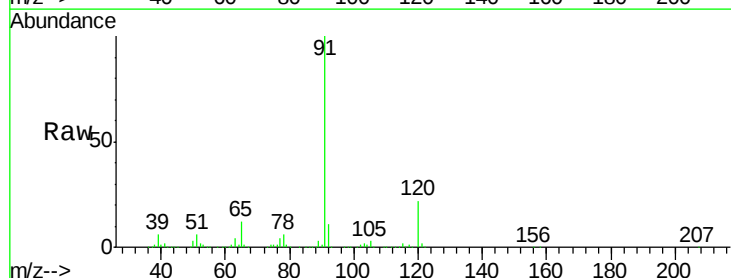
RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN063788.D

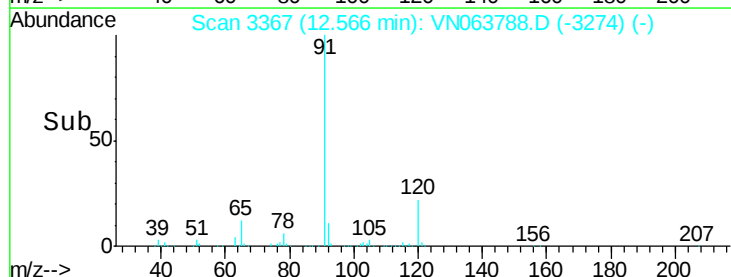
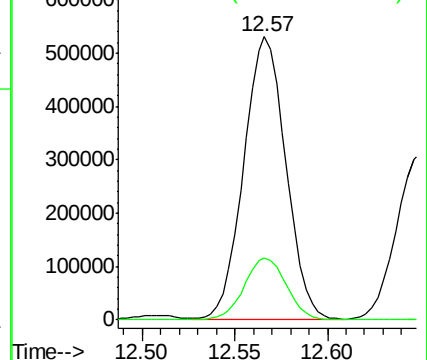
Acq: 1 Oct 2020 21:45

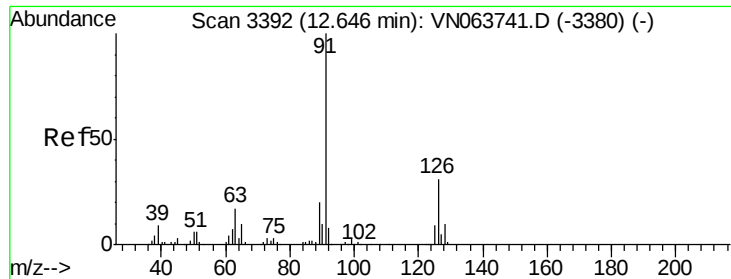
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		829674		
120	22.0	11.1	33.1		



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





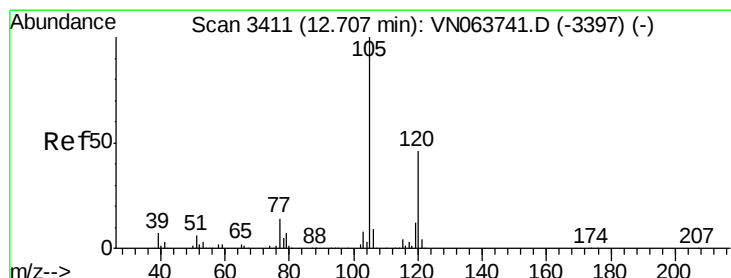
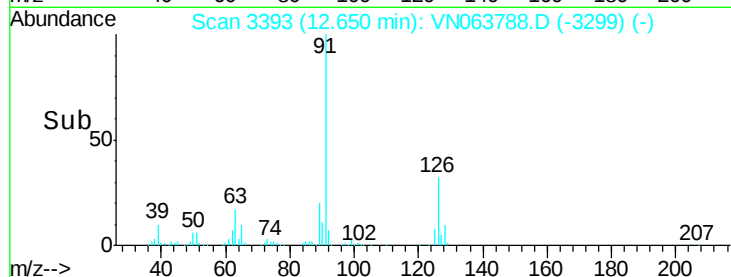
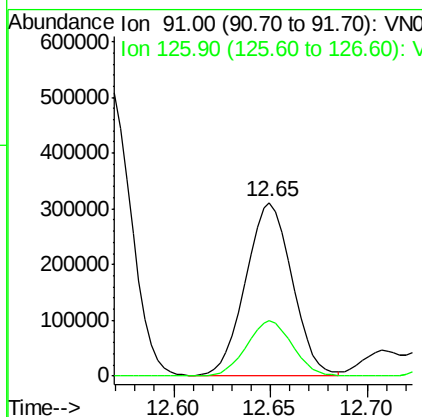
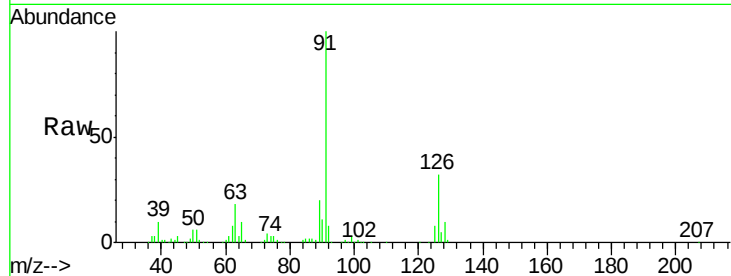
#79
 2-Chlorotoluene
 Concen: 45.716 ug/l
 RT: 12.65 min Scan# 3393
 Delta R.T. 0.00 min
 Lab File: VN063788.D
 Acq: 1 Oct 2020 21:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 515839
 Ion Ratio Lower Upper
 91 100
 126 31.9 15.9 47.7

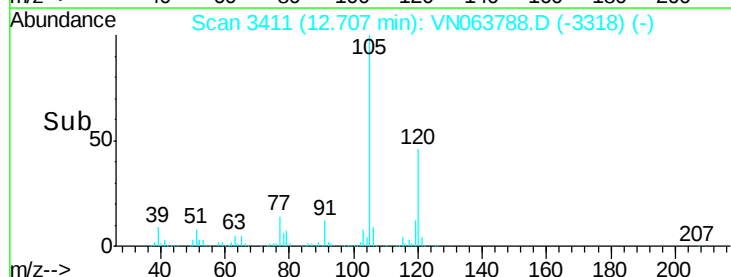
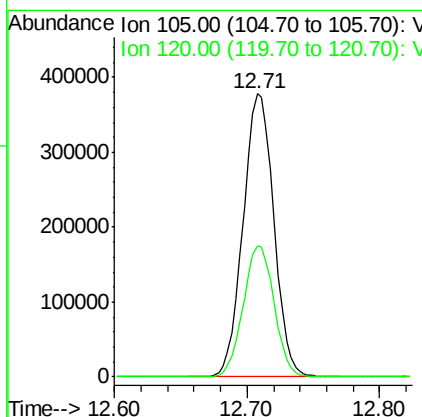
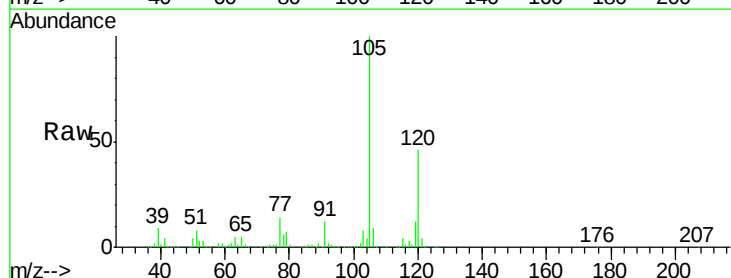
Manual Integrations
 APPROVED

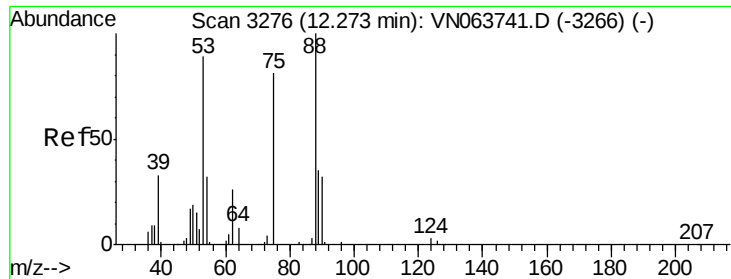
MMDadoda
 10/2/2020 3:11:56 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 45.856 ug/l
 RT: 12.71 min Scan# 3411
 Delta R.T. 0.00 min
 Lab File: VN063788.D
 Acq: 1 Oct 2020 21:45

Tgt Ion: 105 Resp: 606470
 Ion Ratio Lower Upper
 105 100
 120 46.6 23.3 69.9





#81

trans-1,4-Dichloro-2-butene

Concen: 44.703 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN063788.D

Acq: 1 Oct 2020 21:45

Instrument :

MSVOA_N

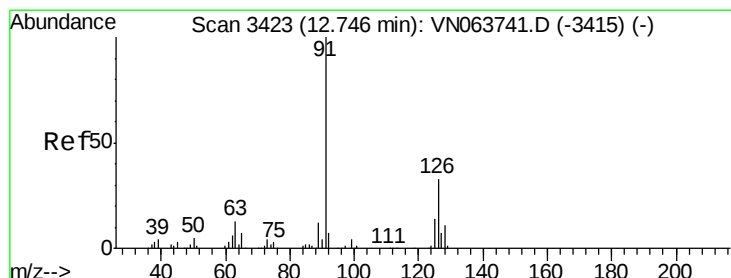
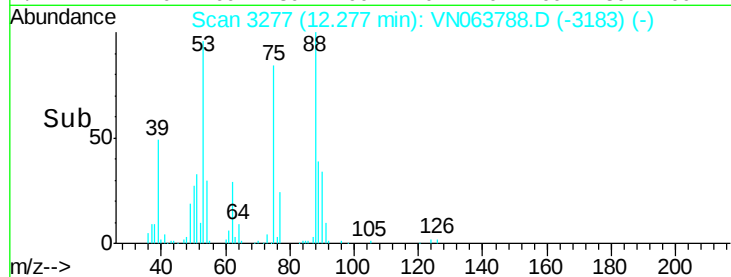
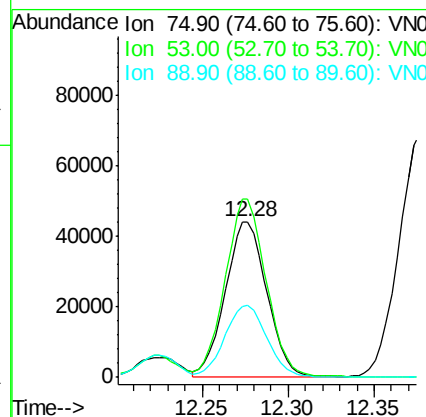
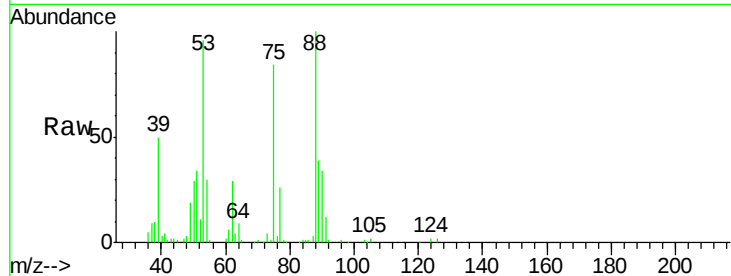
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	73948
Ion	Ratio	Lower	Upper
75	100		
53	112.1	88.2	132.2
89	47.4	36.0	54.0

Manual Integrations
APPROVED

MMDadoda
10/2/2020 3:11:56 PM



#82

4-Chlorotoluene

Concen: 46.402 ug/l

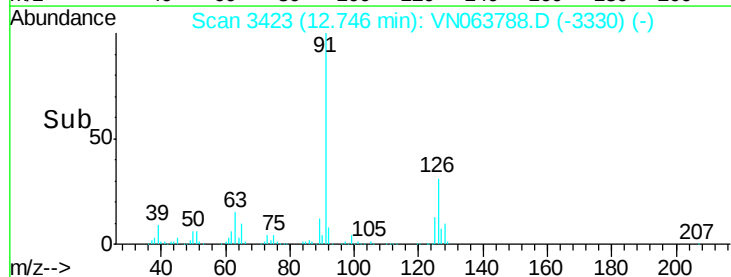
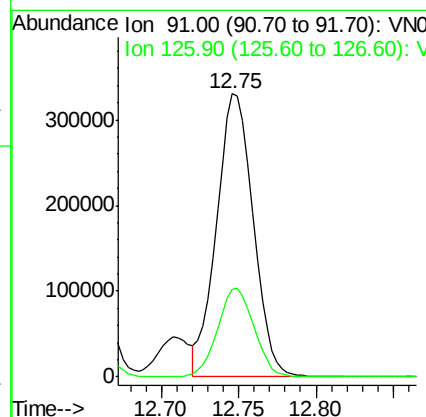
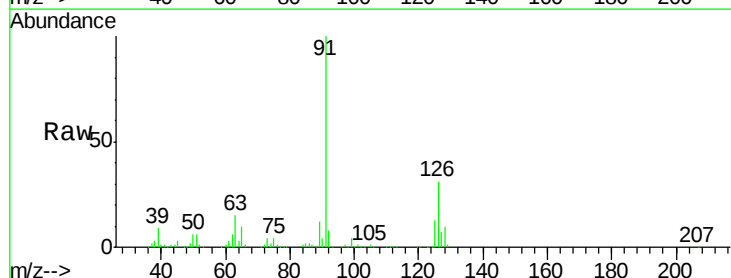
RT: 12.75 min Scan# 3423

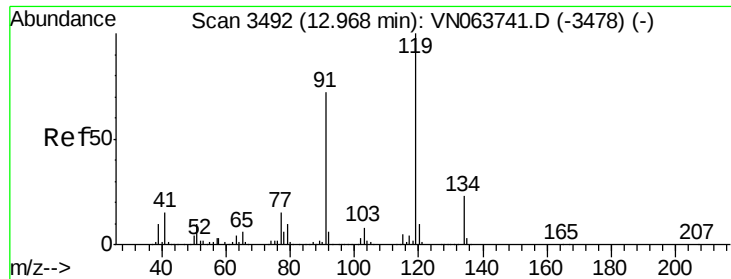
Delta R.T. 0.00 min

Lab File: VN063788.D

Acq: 1 Oct 2020 21:45

Tgt Ion:	91	Resp:	543535
Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.4	46.2





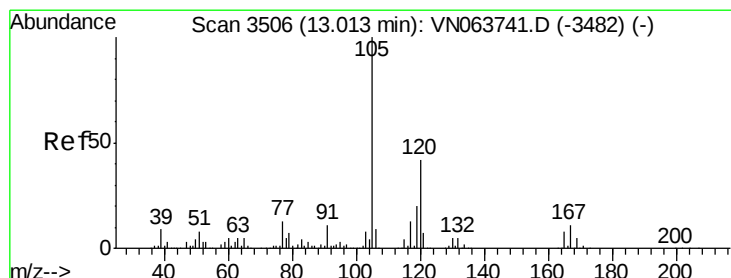
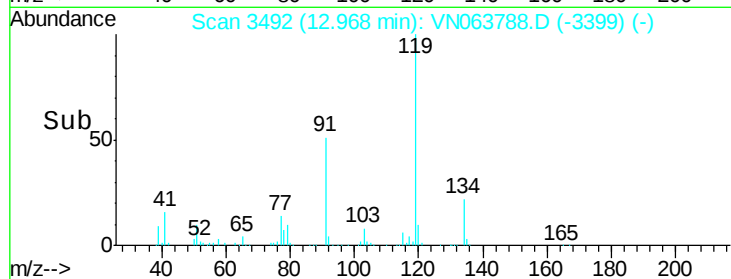
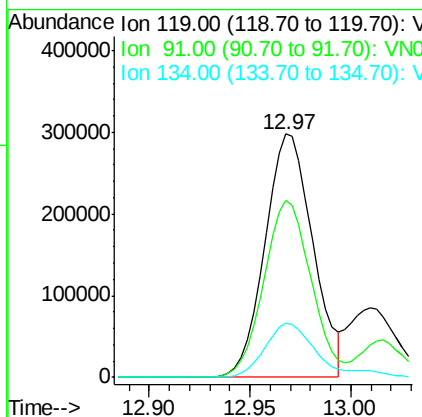
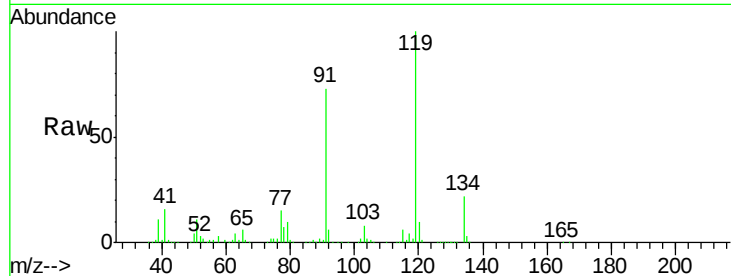
#83
tert-Butylbenzene
Concen: 45.375 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN063788.D
Acq: 1 Oct 2020 21:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	490880		
91	71.7	35.5	106.5	
134	22.8	11.7	35.1	

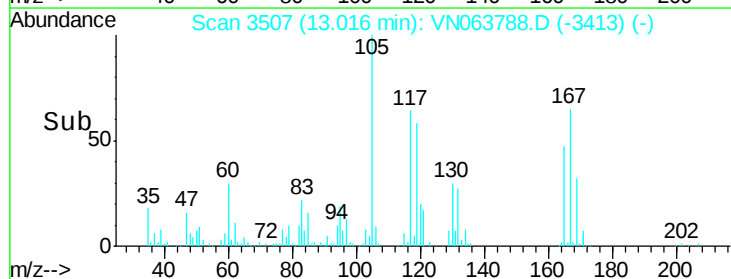
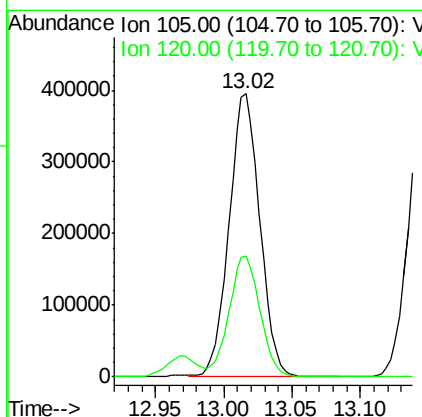
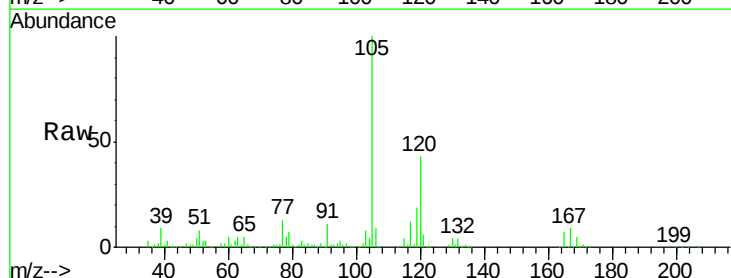
Manual Integrations
APPROVED

MMDadoda
10/2/2020 3:11:56 PM



#84
1,2,4-Trimethylbenzene
Concen: 46.704 ug/l
RT: 13.02 min Scan# 3507
Delta R.T. 0.00 min
Lab File: VN063788.D
Acq: 1 Oct 2020 21:45

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	616698		
120	43.0	20.9	62.7	





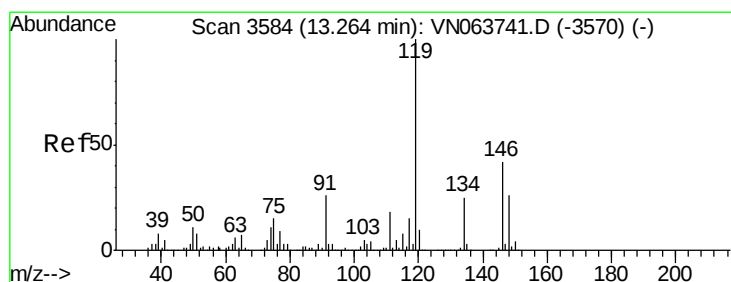
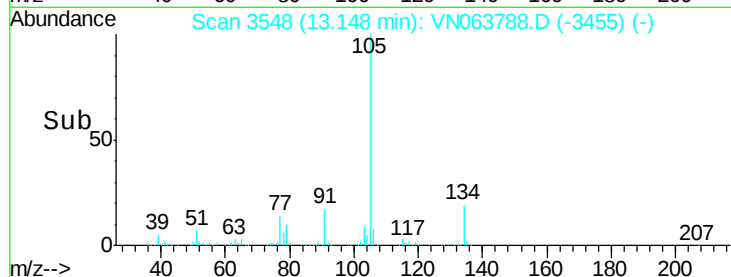
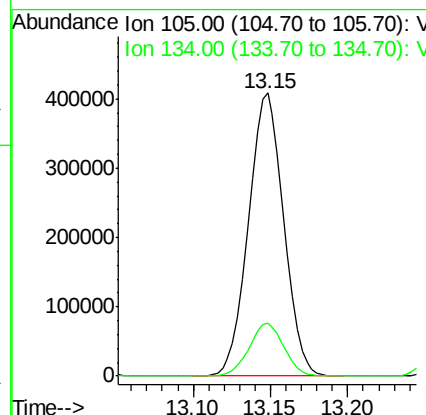
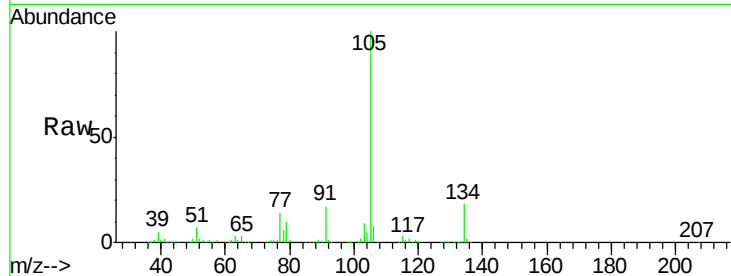
#85
 sec-Butylbenzene
 Concen: 45.333 ug/l
 RT: 13.15 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN063788.D
 Acq: 1 Oct 2020 21:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.4	9.5	28.5

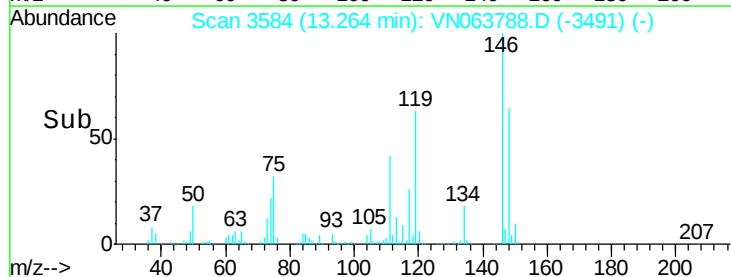
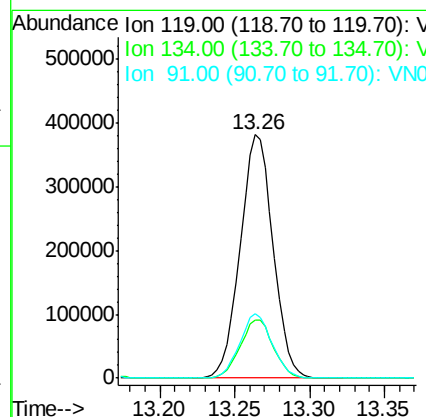
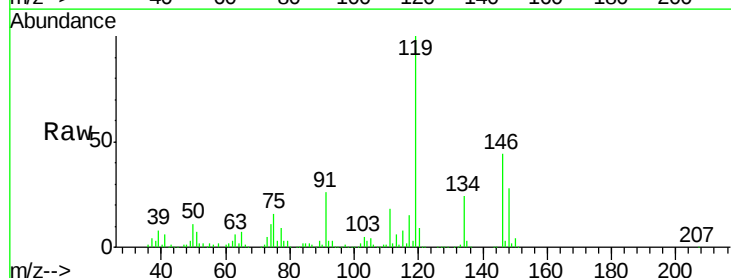
Manual Integrations
 APPROVED

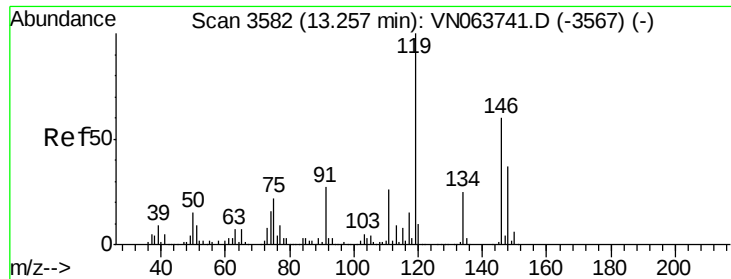
MMDadoda
 10/2/2020 3:11:56 PM



#86
 p-Isopropyltoluene
 Concen: 46.300 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN063788.D
 Acq: 1 Oct 2020 21:45

Tgt Ion	Ratio	Lower	Upper
119	100		
134	24.2	12.6	37.8
91	25.9	13.4	40.2





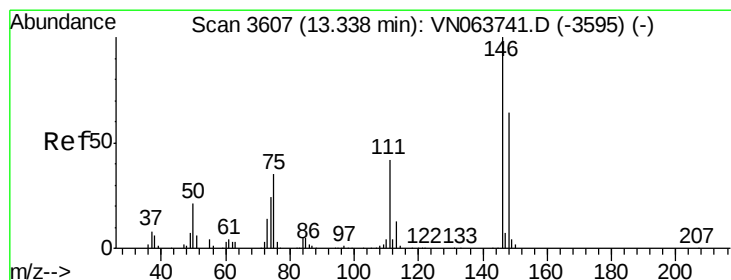
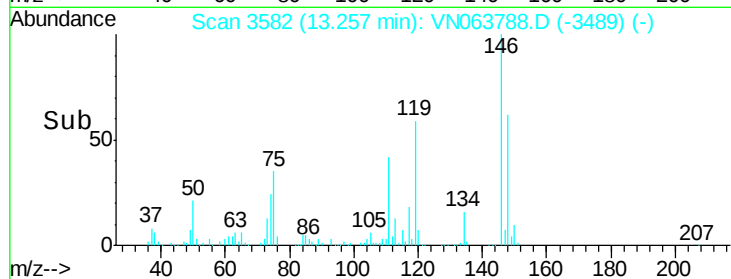
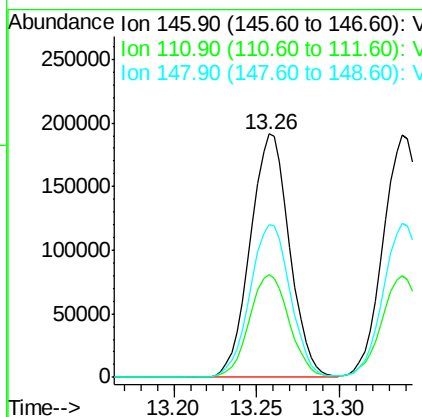
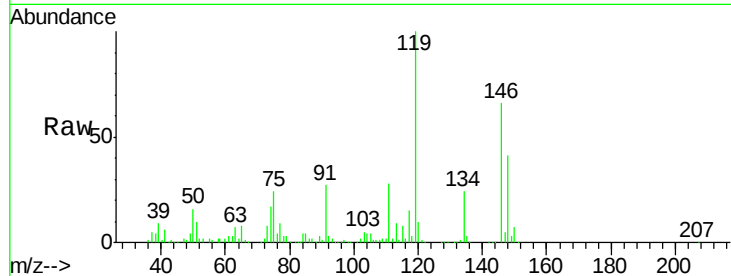
#87
 1,3-Dichlorobenzene
 Concen: 45.153 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN063788.D
 Acq: 1 Oct 2020 21:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.5	64.5
148	64.3	31.1	93.3

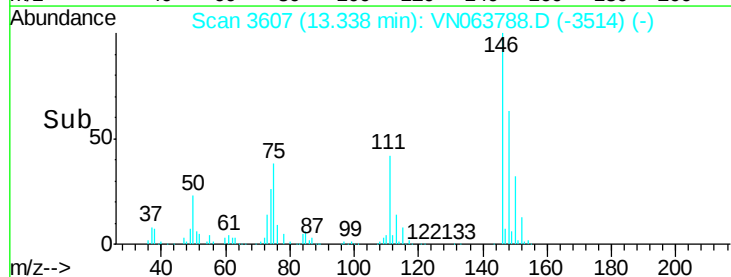
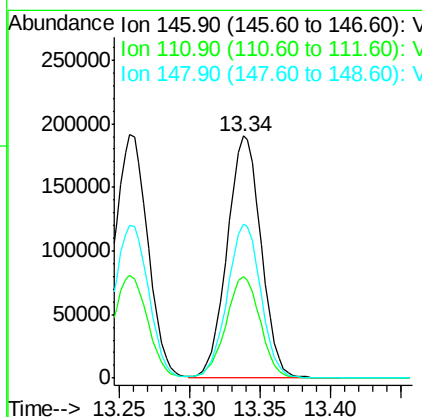
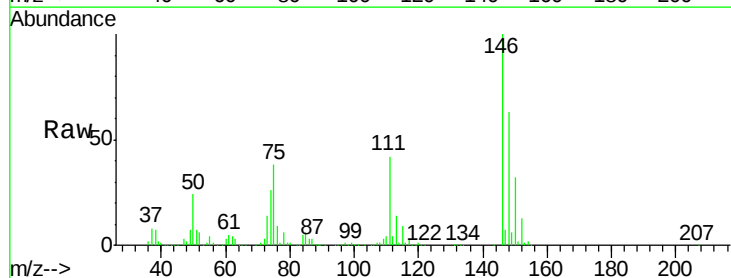
Manual Integrations
 APPROVED

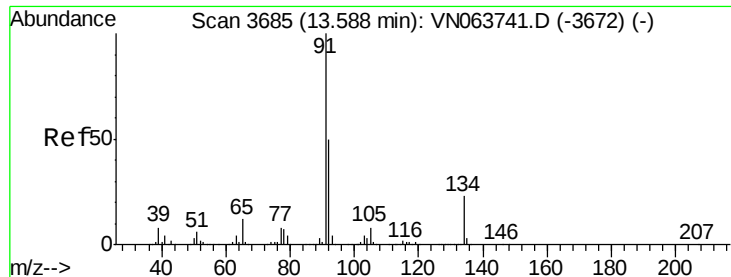
MMDadoda
 10/2/2020 3:11:56 PM



#88
 1,4-Dichlorobenzene
 Concen: 43.761 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN063788.D
 Acq: 1 Oct 2020 21:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.3	63.7
148	62.3	32.0	96.0





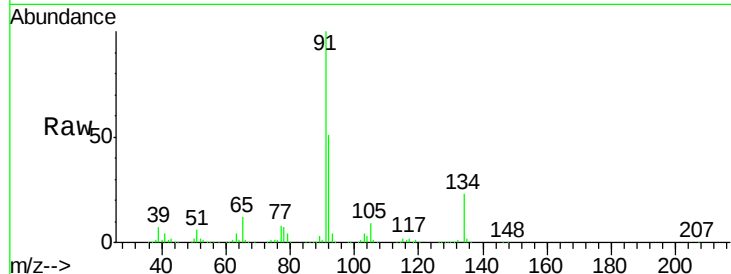
#89
n-Butylbenzene
Concen: 41.911 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN063788.D
Acq: 1 Oct 2020 21:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

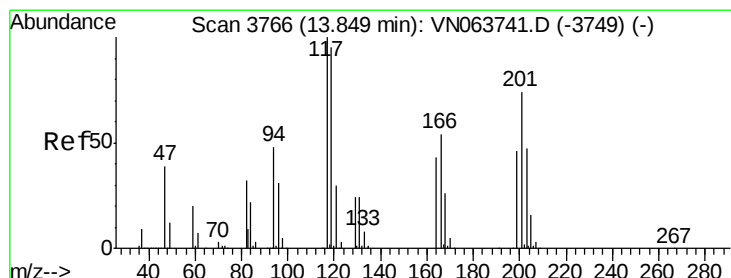
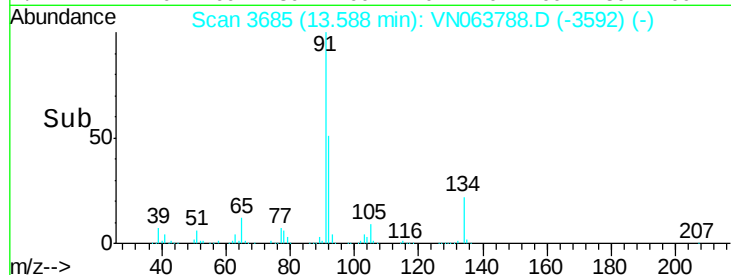
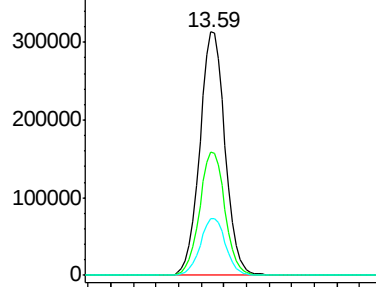
Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		486240		
92	51.0	25.4		76.4	
134	23.7	11.7		35.1	

Manual Integrations
APPROVED

MMDadoda
10/2/2020 3:11:56 PM

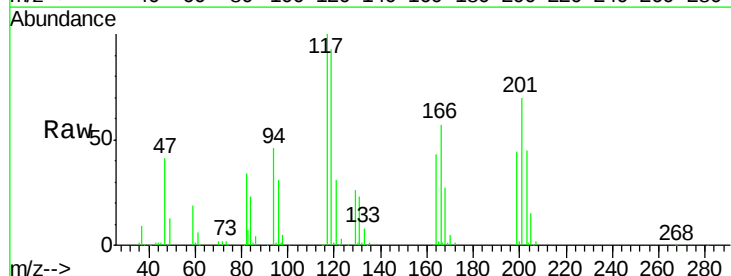


Abundance Ion 91.00 (90.70 to 91.70): VN063741.D (-3672) (-)
Ion 92.00 (91.70 to 92.70): VN063741.D (-3672) (-)
Ion 134.00 (133.70 to 134.70): VN063741.D (-3672) (-)

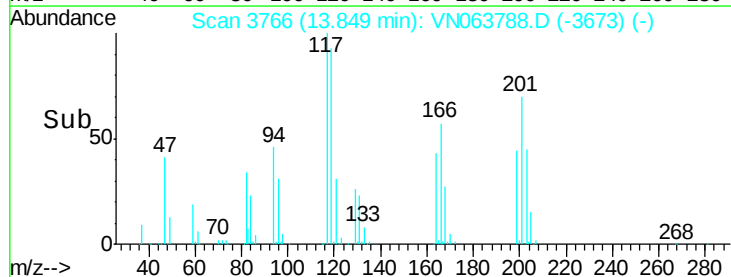
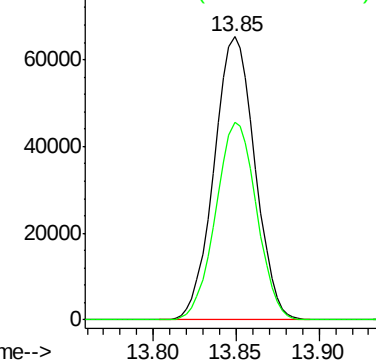


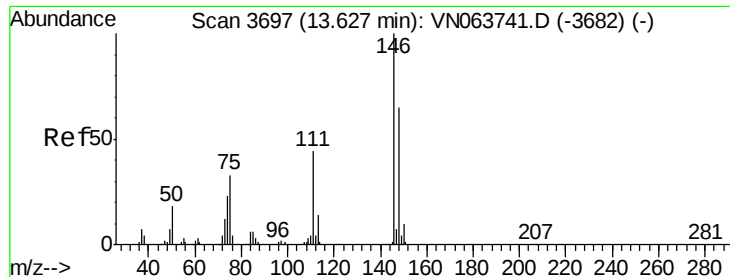
#90
Hexachloroethane
Concen: 45.903 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN063788.D
Acq: 1 Oct 2020 21:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		111812		
201	69.8	36.0		108.0	



Abundance Ion 116.80 (116.50 to 117.50): VN063741.D (-3749) (-)
Ion 200.70 (200.40 to 201.40): VN063741.D (-3749) (-)





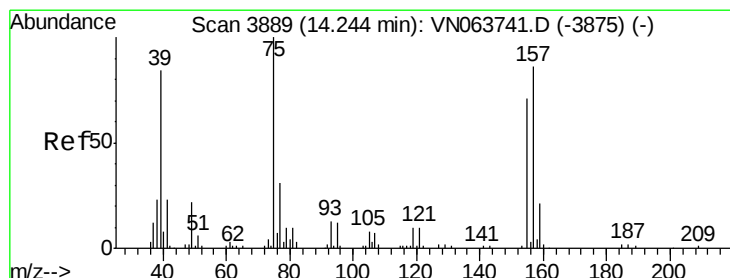
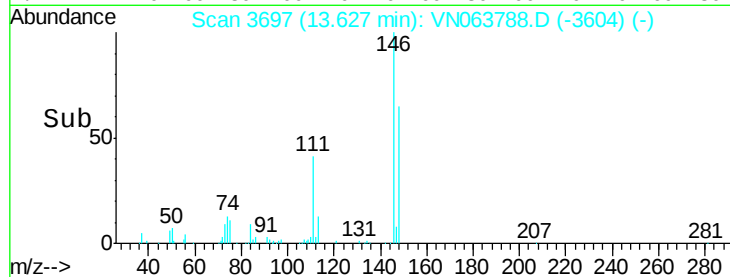
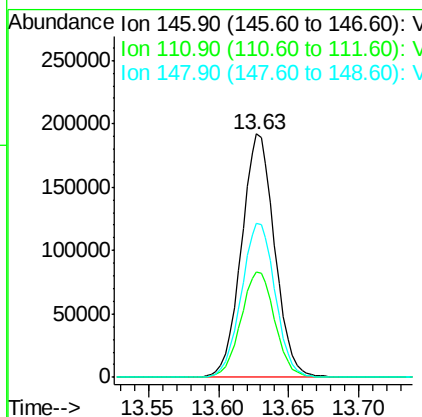
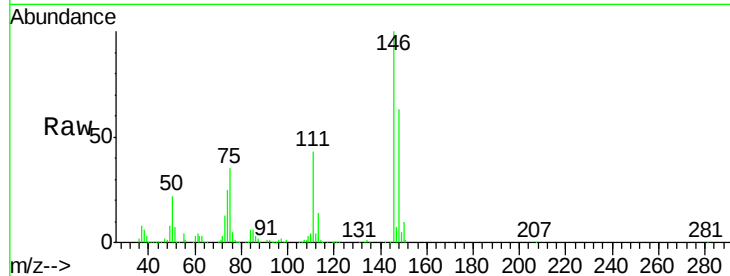
#91
 1,2-Dichlorobenzene
 Concen: 45.668 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN063788.D
 Acq: 1 Oct 2020 21:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.1	22.2	66.6
148	64.6	32.5	97.4

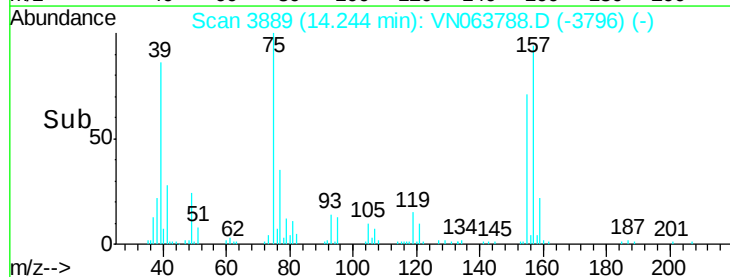
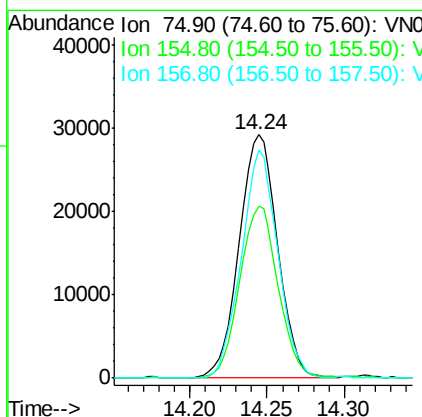
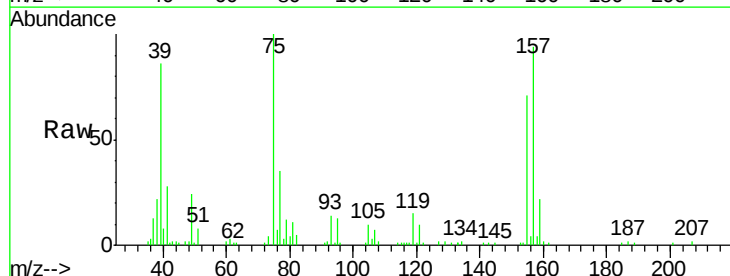
Manual Integrations
 APPROVED

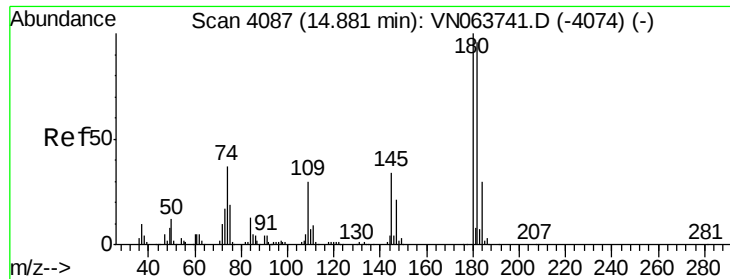
MMDadoda
 10/2/2020 3:11:56 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.724 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN063788.D
 Acq: 1 Oct 2020 21:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	70.2	34.8	104.5
157	88.6	43.7	131.1





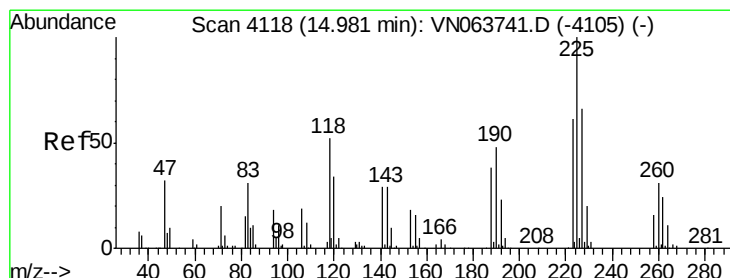
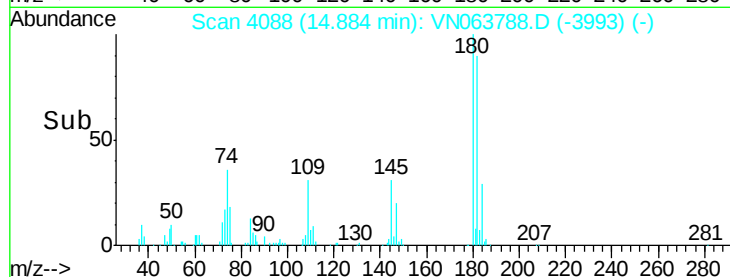
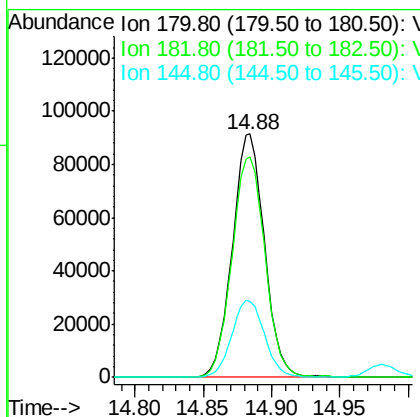
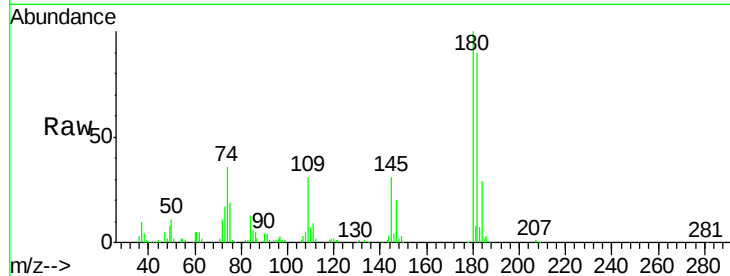
#93
 1,2,4-Trichlorobenzene
 Concen: 39.851 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN063788.D
 Acq: 1 Oct 2020 21:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	148825		
182	93.5	48.2	144.6	
145	32.3	17.1	51.2	

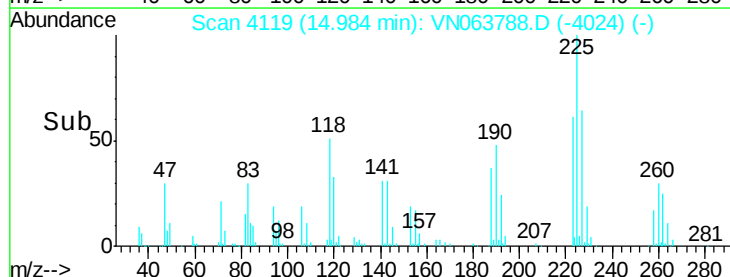
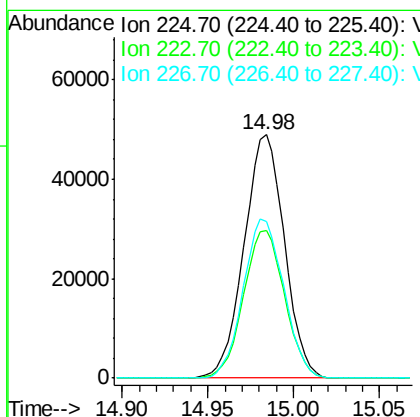
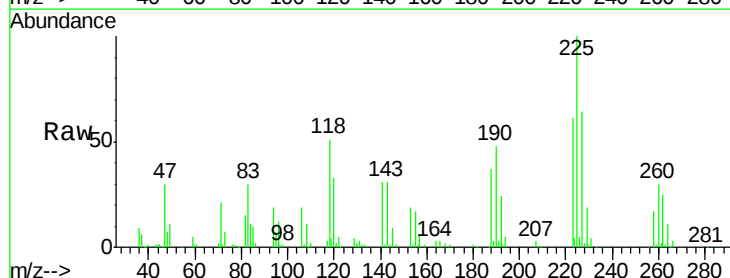
Manual Integrations
 APPROVED

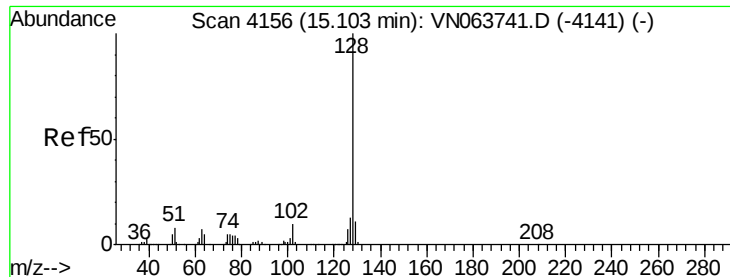
MMDadoda
 10/2/2020 3:11:56 PM



#94
 Hexachlorobutadiene
 Concen: 42.447 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN063788.D
 Acq: 1 Oct 2020 21:45

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	79754		
223	61.7	30.3	91.0	
227	65.6	31.9	95.5	





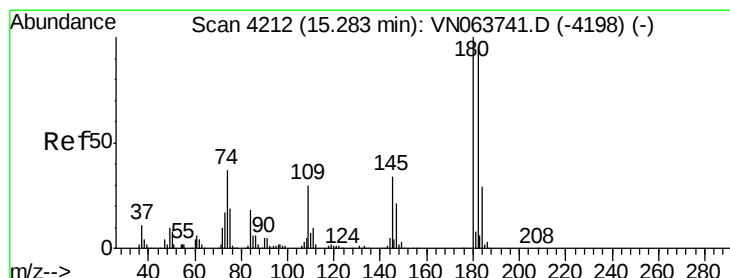
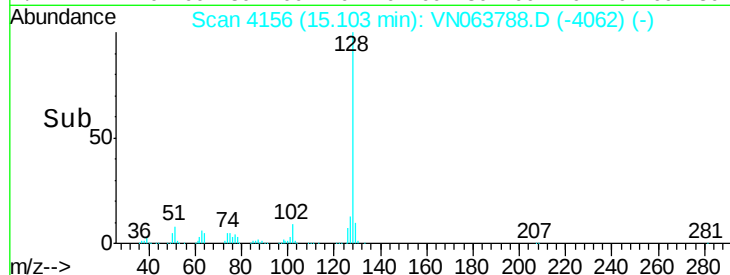
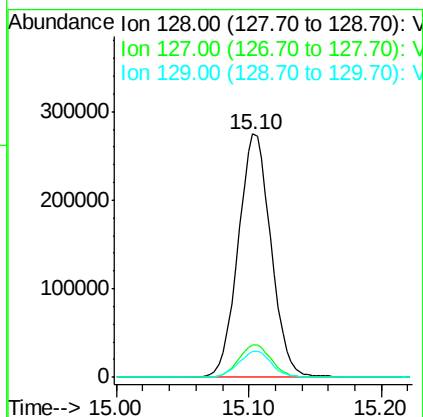
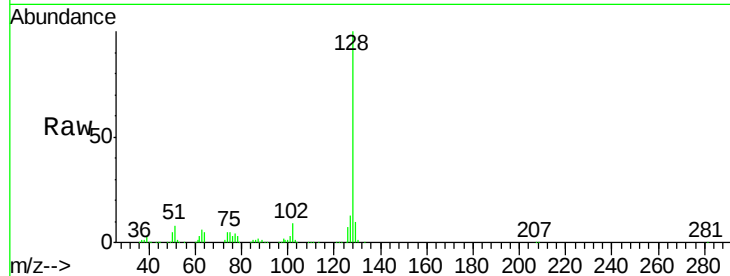
#95
Naphthalene
Concen: 40.770 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN063788.D
Acq: 1 Oct 2020 21:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.5	15.7
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/2/2020 3:11:56 PM



#96
1,2,3-Trichlorobenzene
Concen: 40.113 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN063788.D
Acq: 1 Oct 2020 21:45

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.9	143.6
145	34.0	17.2	51.5

