

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112320\
 Data File : VN064780.D
 Acq On : 23 Nov 2020 13:06
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 11/24/2020 3:01:13 PM

Quant Time: Nov 23 13:30:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 23 13:11:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	197024	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	302095	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	277702	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	142636	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	228534	70.59	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	141.18%#
35) Dibromofluoromethane	7.55	113	180140	103.86	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	207.72%#
50) Toluene-d8	10.06	98	764379	99.00	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	198.00%#
62) 4-Bromofluorobenzene	12.38	95	281548	98.61	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	197.22%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	160722	68.948	ug/l	99
3) Chloromethane	2.04	50	207526	78.795	ug/l	99
4) Vinyl Chloride	2.16	62	220783	80.662	ug/l	99
5) Bromomethane	2.51	94	139215	70.896	ug/l	99
6) Chloroethane	2.66	64	138655	76.044	ug/l	97
7) Trichlorofluoromethane	2.98	101	308094	64.747	ug/l	99
8) Diethyl Ether	3.37	74	120098	76.345	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.71	101	187011	87.265	ug/l	98
10) Methyl Iodide	3.90	142	261177	101.120	ug/l	99
11) Tert butyl alcohol	4.75	59	182740	538.799	ug/l	99
12) 1,1-Dichloroethene	3.69	96	184569	88.962	ug/l	98
13) Acrolein	3.56	56	110259	1065.960	ug/l	99
14) Allyl chloride	4.27	41	313262	88.782	ug/l	99
15) Acrylonitrile	4.94	53	510164	518.423	ug/l	99
16) Acetone	3.78	43	374508	443.628	ug/l	99
17) Carbon Disulfide	4.00	76	493308	77.351	ug/l	99
18) Methyl Acetate	4.28	43	225686	87.508	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	636493	92.651	ug/l	99
20) Methylene Chloride	4.50	84	218095	86.948	ug/l	99
21) trans-1,2-Dichloroethene	4.98	96	203935	88.380	ug/l	99
22) Diisopropyl ether	5.91	45	645869	87.211	ug/l	98
23) Vinyl Acetate	5.85	43	2654648	445.291	ug/l	100
24) 1,1-Dichloroethane	5.80	63	375237	86.021	ug/l	99
25) 2-Butanone	6.79	43	634880	485.780	ug/l	97
26) 2,2-Dichloropropane	6.78	77	320089	78.548	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	237385	93.114	ug/l	99
28) Bromochloromethane	7.15	49	171134	78.346	ug/l	97
29) Tetrahydrofuran	7.17	42	432288	491.055	ug/l	99
30) Chloroform	7.33	83	380576	81.142	ug/l	100
31) Cyclohexane	7.61	56	305544	84.264	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	333548	78.170	ug/l	99
36) 1,1-Dichloropropene	7.75	75	287566	94.334	ug/l	99
37) Ethyl Acetate	6.89	43	274780	106.216	ug/l	98
38) Carbon Tetrachloride	7.73	117	299102	93.106	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112320\
 Data File : VN064780.D
 Acq On : 23 Nov 2020 13:06
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 11/24/2020 3:01:13 PM

Quant Time: Nov 23 13:30:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 23 13:11:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	322245	115.477	ug/l	97
40) Benzene	8.00	78	867314	101.028	ug/l	98
41) Methacrylonitrile	7.13	41	141556	120.671	ug/l	85
42) 1,2-Dichloroethane	8.09	62	288066	80.837	ug/l	99
43) Isopropyl Acetate	8.13	43	456205	92.388	ug/l	100
44) Trichloroethene	8.80	130	248574	99.755	ug/l	98
45) 1,2-Dichloropropane	9.08	63	230274	101.032	ug/l	99
46) Dibromomethane	9.17	93	153550	96.119	ug/l	97
47) Bromodichloromethane	9.37	83	309021	92.420	ug/l	100
48) Methyl methacrylate	9.17	41	218607	94.149	ug/l	97
49) 1,4-Dioxane	9.17	88	80827	2574.767	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	1383159	514.546	ug/l	100
52) Toluene	10.13	92	551884	104.720	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	349813	97.587	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	382330	102.218	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	217881	103.116	ug/l	98
56) Ethyl methacrylate	10.40	69	333951	113.231	ug/l	99
57) 1,3-Dichloropropane	10.68	76	367517	100.477	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	902030	554.826	ug/l	100
59) 2-Hexanone	10.72	43	1020803	525.903	ug/l	100
60) Dibromochloromethane	10.87	129	254258	103.748	ug/l	100
61) 1,2-Dibromoethane	10.98	107	229369	101.569	ug/l	100
64) Tetrachloroethene	10.60	164	256428	103.206	ug/l	99
65) Chlorobenzene	11.41	112	606062	103.364	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	228319	103.718	ug/l	100
67) Ethyl Benzene	11.48	91	1055958	102.684	ug/l	99
68) m/p-Xylenes	11.59	106	817732	220.026	ug/l	99
69) o-Xylene	11.92	106	388218	107.605	ug/l	99
70) Styrene	11.94	104	674918	110.482	ug/l	99
71) Bromoform	12.10	173	182851	118.330	ug/l #	100
73) Isopropylbenzene	12.22	105	1029593	102.158	ug/l	100
74) N-amyl acetate	12.05	43	416865	90.888	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	286897	101.334	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	283718m	92.714	ug/l	
77) Bromobenzene	12.50	156	259899	101.435	ug/l	98
78) n-propylbenzene	12.57	91	1193186	102.019	ug/l	99
79) 2-Chlorotoluene	12.65	91	704504	94.668	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	886553	106.008	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	119543	107.983	ug/l	99
82) 4-Chlorotoluene	12.75	91	739764	93.645	ug/l	99
83) tert-Butylbenzene	12.97	119	737149	112.855	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	894239	105.025	ug/l	100
85) sec-Butylbenzene	13.14	105	984859	112.871	ug/l	100
86) p-Isopropyltoluene	13.26	119	920374	114.460	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	474106	102.024	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	476150	99.563	ug/l	99
89) n-Butylbenzene	13.59	91	797827	107.587	ug/l	99
90) Hexachloroethane	13.85	117	156375	116.650	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	462003	101.354	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	65946	90.463	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112320\
Data File : VN064780.D
Acq On : 23 Nov 2020 13:06
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

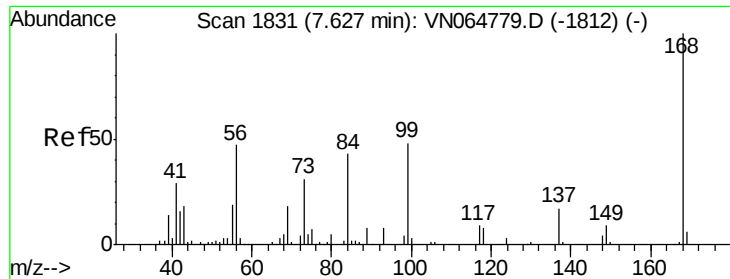
Manual Integrations
APPROVED

MMDadoda
11/24/2020 3:01:13 PM

Quant Time: Nov 23 13:30:15 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
Quant Title : SW846 8260
QLast Update : Mon Nov 23 13:11:32 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	287265	112.649	ug/l	100
94) Hexachlorobutadiene	14.98	225	130936	101.478	ug/l	98
95) Naphthalene	15.10	128	892943	110.598	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	276676	112.817	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064780.D

Acq: 23 Nov 2020 13:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 197024

Ion Ratio Lower Upper

168 100

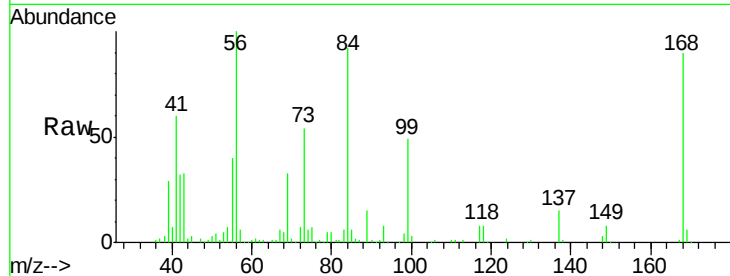
99 54.1 43.0 64.4

Manual Integrations

APPROVED

MMDadoda

11/24/2020 3:01:13 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

80000

60000

40000

20000

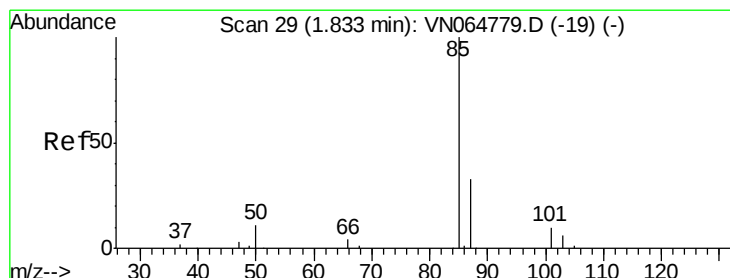
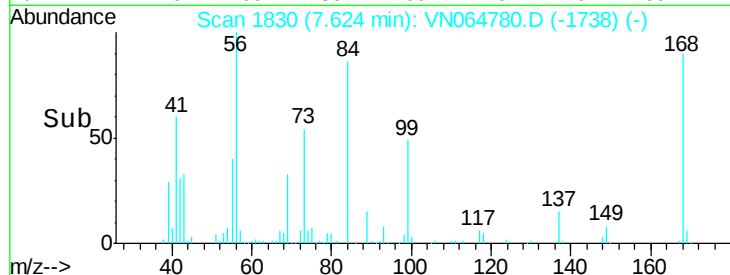
0

7.50

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 68.948 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064780.D

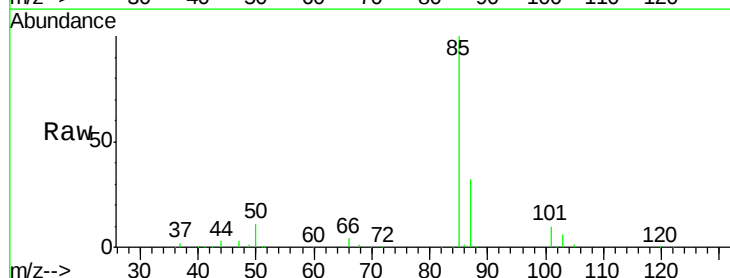
Acq: 23 Nov 2020 13:06

Tgt Ion: 85 Resp: 160722

Ion Ratio Lower Upper

85 100

87 32.4 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

100000

50000

0

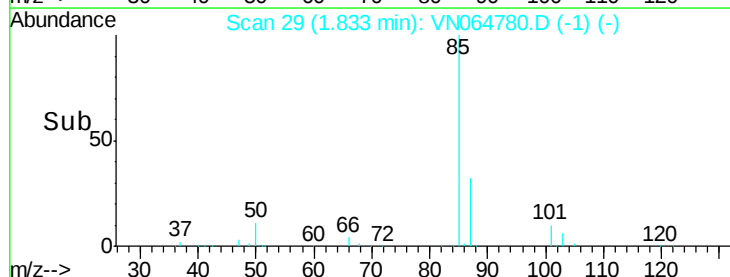
1.75

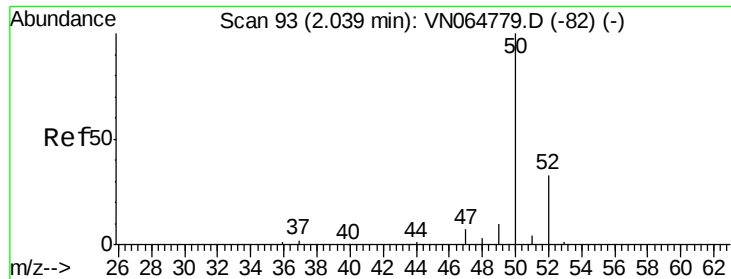
1.80

1.85

1.90

Time-->





#3

Chloromethane

Concen: 78.795 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064780.D

Acq: 23 Nov 2020 13:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 207526

Ion Ratio Lower Upper

50 100

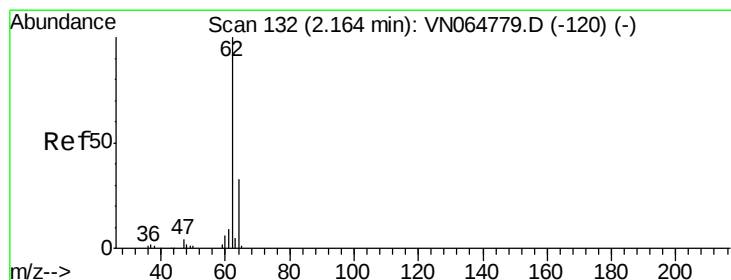
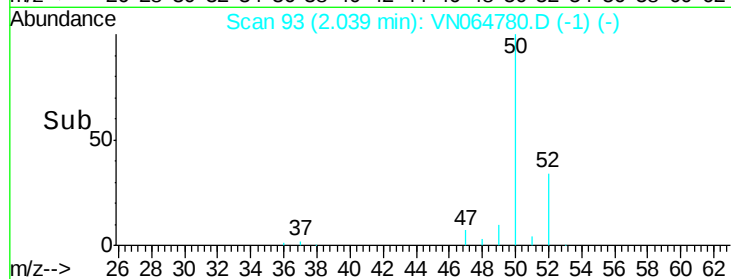
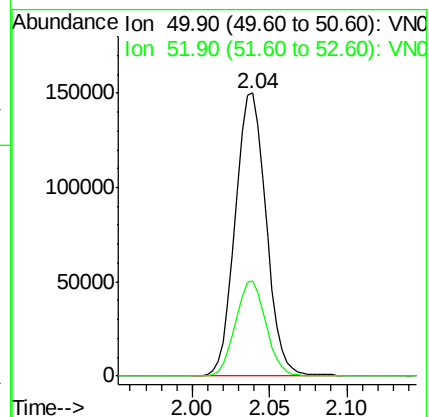
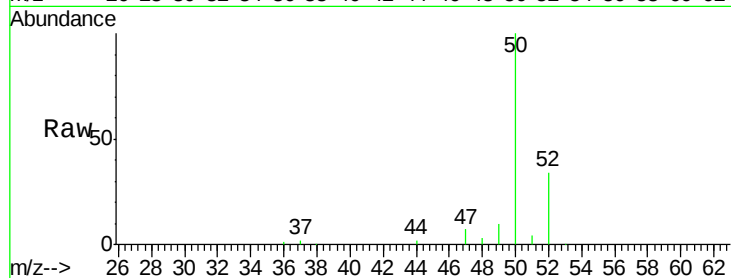
52 33.7 26.6 39.8

Manual Integrations

APPROVED

MMDadoda

11/24/2020 3:01:13 PM



#4

Vinyl Chloride

Concen: 80.662 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN064780.D

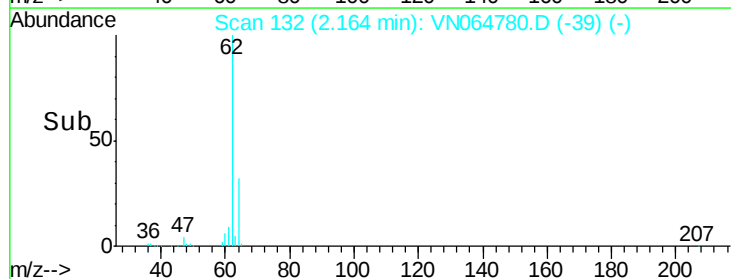
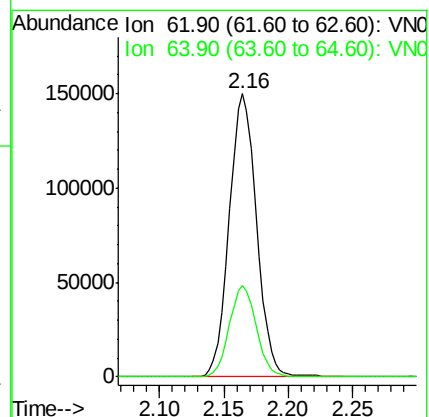
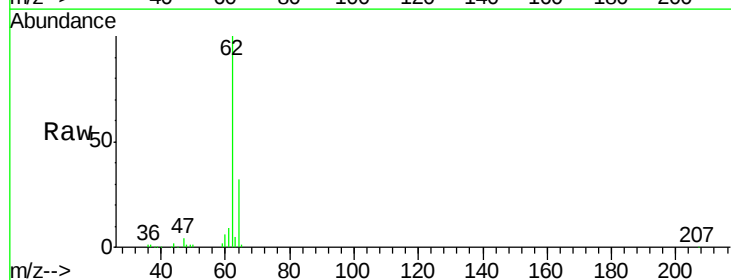
Acq: 23 Nov 2020 13:06

Tgt Ion: 62 Resp: 220783

Ion Ratio Lower Upper

62 100

64 32.3 26.5 39.7





#5

Bromomethane

Concen: 70.896 ug/l

RT: 2.51 min Scan# 241

Delta R.T. -0.01 min

Lab File: VN064780.D

Acq: 23 Nov 2020 13:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 139215

Ion Ratio Lower Upper

94 100

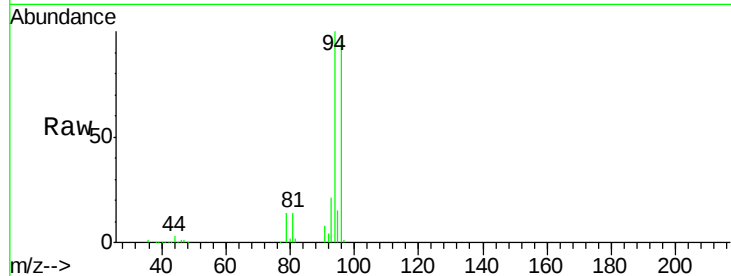
96 95.5 75.4 113.0

Manual Integrations

APPROVED

MMDadoda

11/24/2020 3:01:13 PM

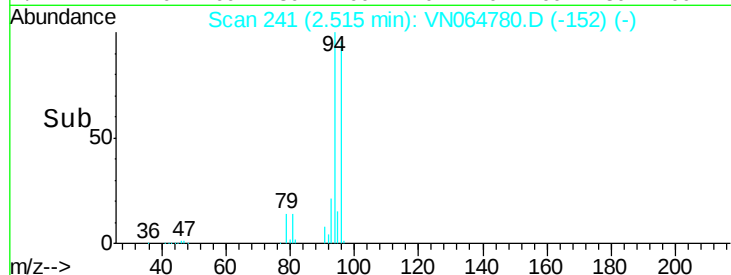


Abundance Ion 93.90 (93.60 to 94.60): VN064779.D (-230) (-)

Ion 95.90 (95.60 to 96.60): VN064780.D (-152) (-)

2.51

Time-->

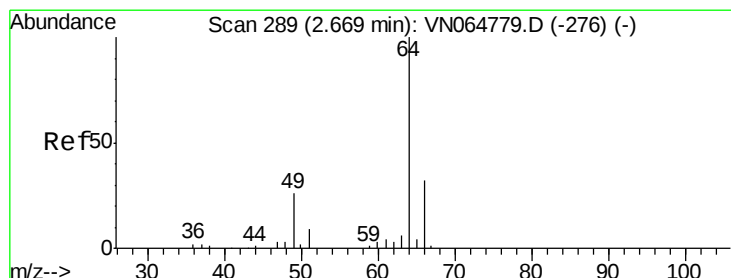


Abundance Ion 93.90 (93.60 to 94.60): VN064779.D (-230) (-)

Ion 95.90 (95.60 to 96.60): VN064780.D (-152) (-)

2.51

Time-->



#6

Chloroethane

Concen: 76.044 ug/l

RT: 2.66 min Scan# 287

Delta R.T. -0.01 min

Lab File: VN064780.D

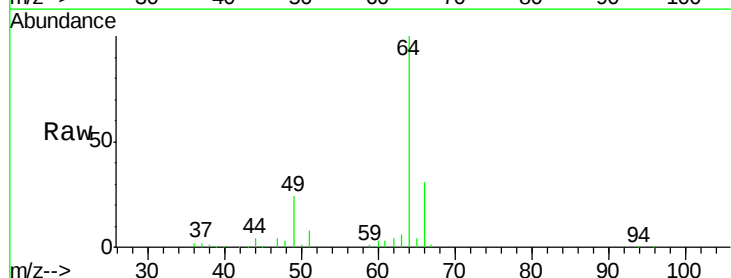
Acq: 23 Nov 2020 13:06

Tgt Ion: 64 Resp: 138655

Ion Ratio Lower Upper

64 100

66 30.6 25.6 38.4

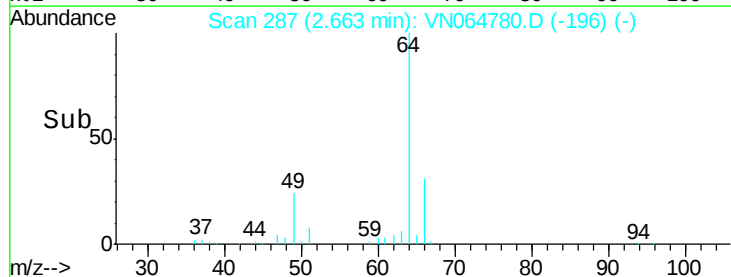


Abundance Ion 63.90 (63.60 to 64.60): VN064779.D (-276) (-)

Ion 65.90 (65.60 to 66.60): VN064780.D (-196) (-)

2.66

Time-->



Abundance Ion 63.90 (63.60 to 64.60): VN064779.D (-276) (-)

Ion 65.90 (65.60 to 66.60): VN064780.D (-196) (-)

2.66

Time-->



#7

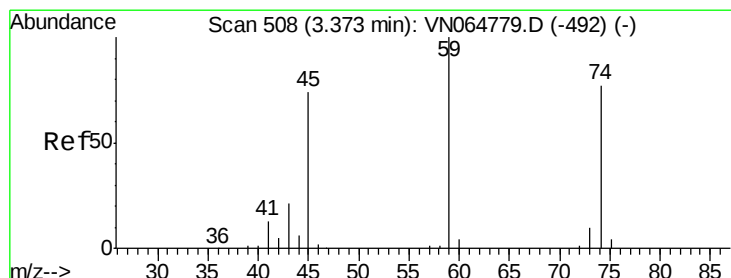
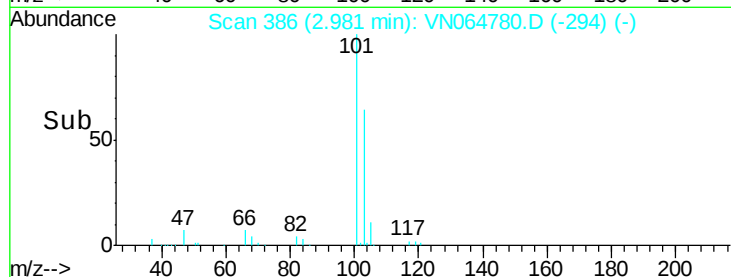
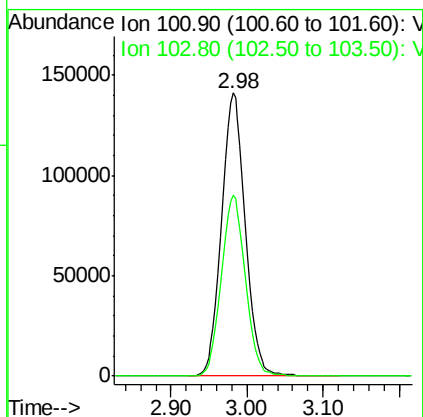
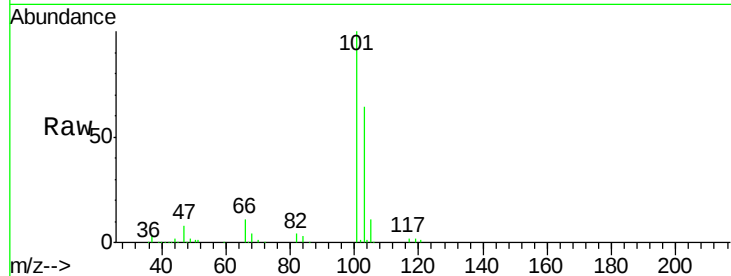
Trichlorofluoromethane
Concen: 64.747 ug/l
RT: 2.98 min Scan# 386
Delta R.T. -0.00 min
Lab File: VN064780.D
Acq: 23 Nov 2020 13:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	50.5	75.7

Manual Integrations
APPROVED

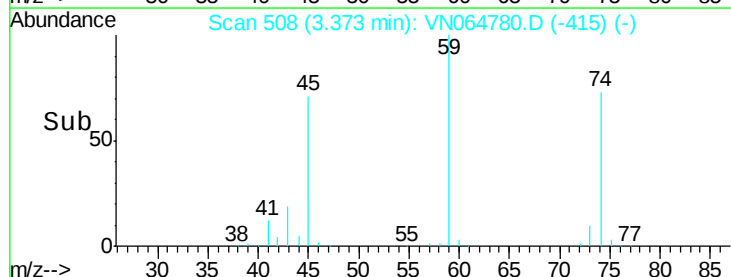
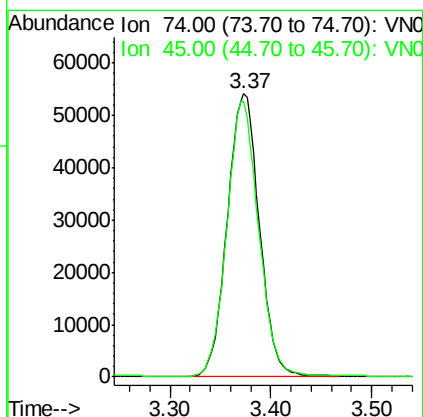
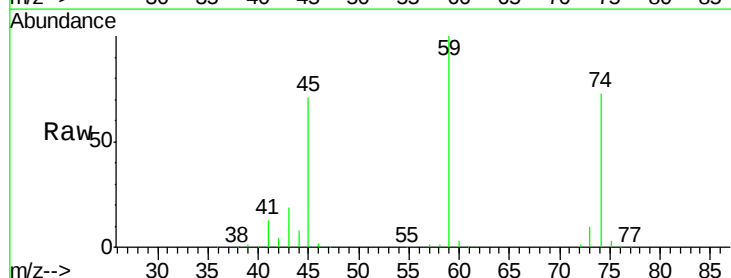
MMDadoda
11/24/2020 3:01:13 PM

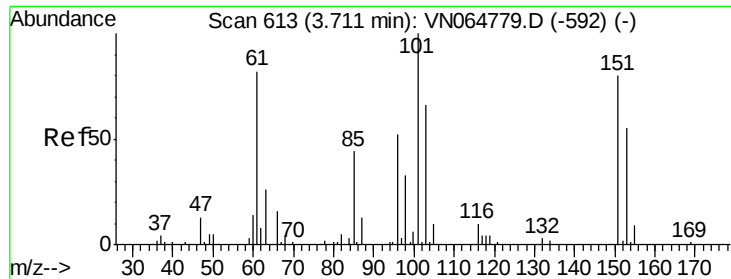


#8

Diethyl Ether
Concen: 76.345 ug/l
RT: 3.37 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN064780.D
Acq: 23 Nov 2020 13:06

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.9	48.9	146.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 87.265 ug/l

RT: 3.71 min Scan# 612

Delta R.T. -0.00 min

Lab File: VN064780.D

Acq: 23 Nov 2020 13:06

Instrument :

MSVOA_N

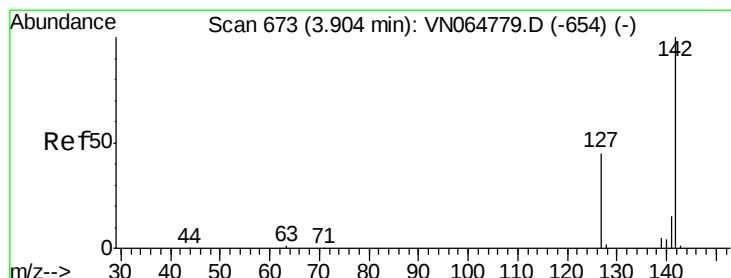
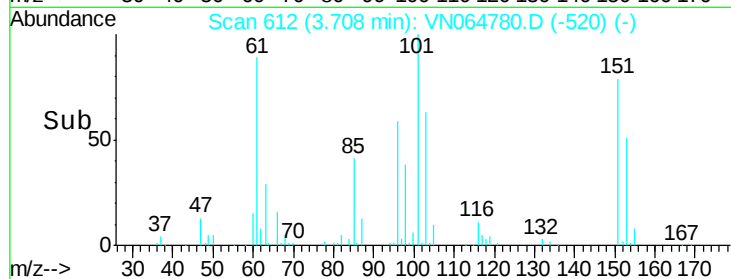
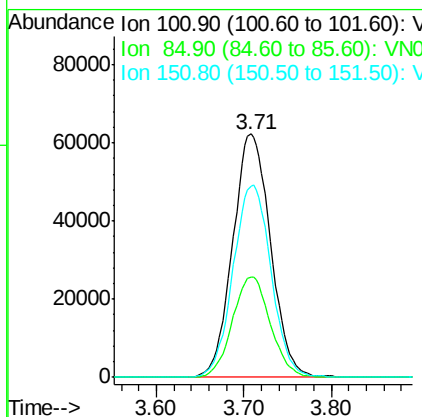
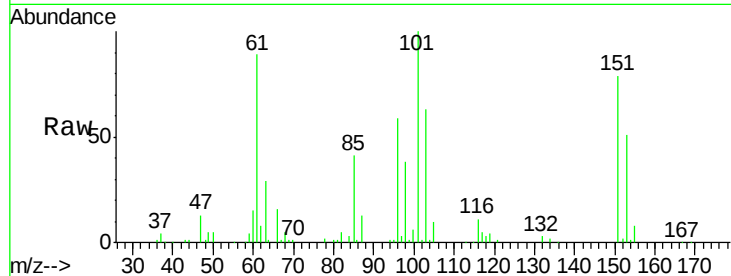
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	187011
Ion Ratio	Lower	Upper	
101	100		
85	41.3	34.4	51.6
151	79.1	64.0	96.0

Manual Integrations
APPROVED

MMDadoda
11/24/2020 3:01:13 PM



#10

Methyl Iodide

Concen: 101.120 ug/l

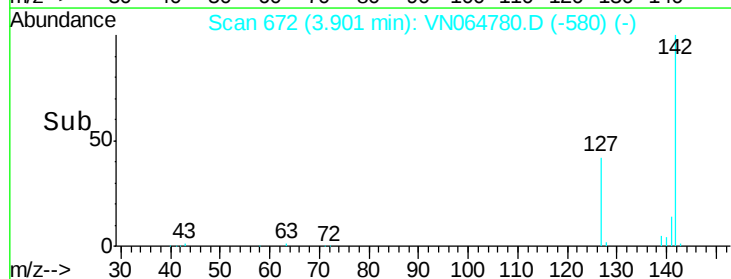
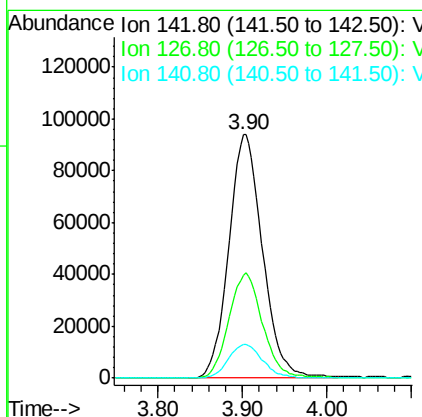
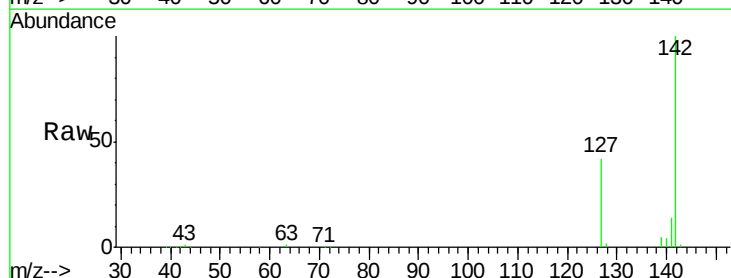
RT: 3.90 min Scan# 672

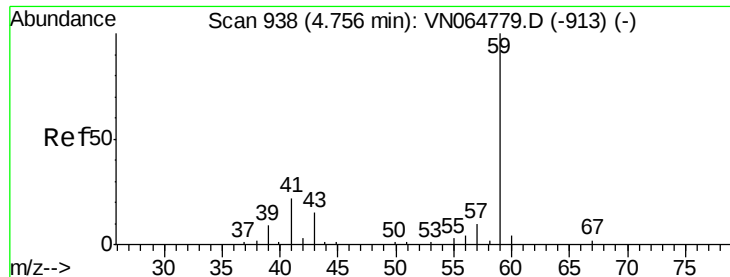
Delta R.T. -0.00 min

Lab File: VN064780.D

Acq: 23 Nov 2020 13:06

Tgt Ion:	142	Resp:	261177
Ion Ratio	Lower	Upper	
142	100		
127	43.2	35.0	52.6
141	14.1	11.8	17.6





#11

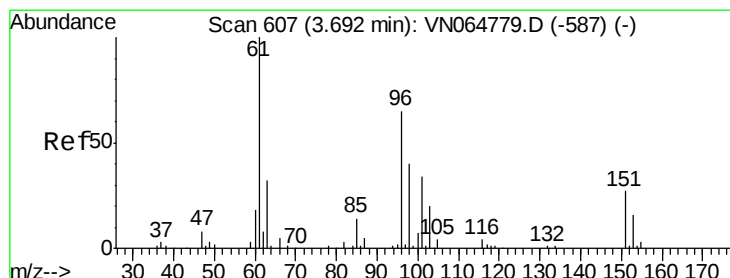
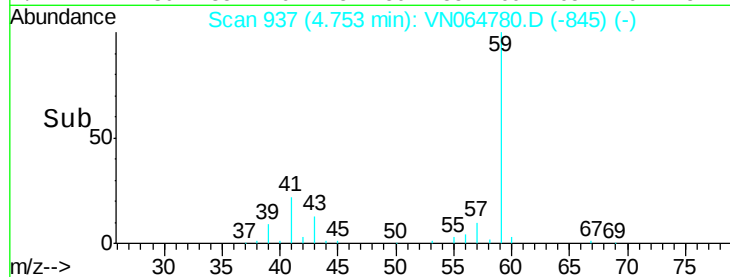
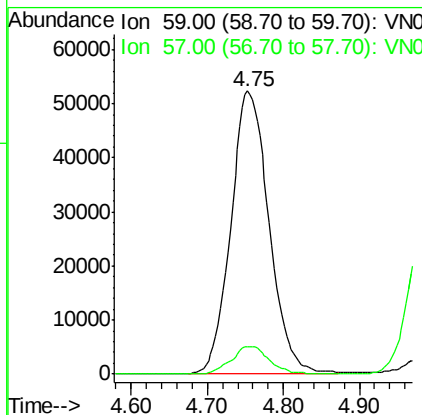
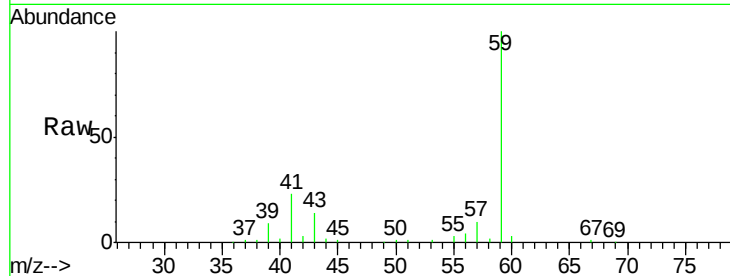
Tert butyl alcohol
 Concen: 538.799 ug/l
 RT: 4.75 min Scan# 937
 Delta R.T. -0.00 min
 Lab File: VN064780.D
 Acq: 23 Nov 2020 13:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
59	100	182740		
57	9.7		7.9	11.9

Manual Integrations
 APPROVED

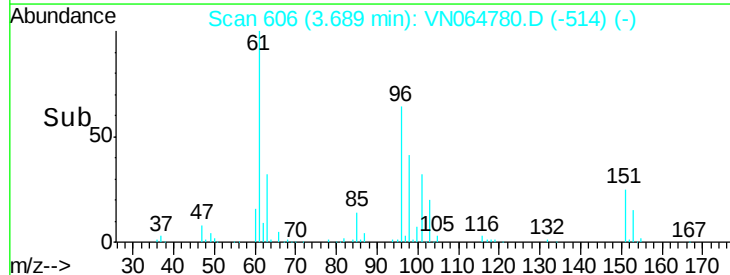
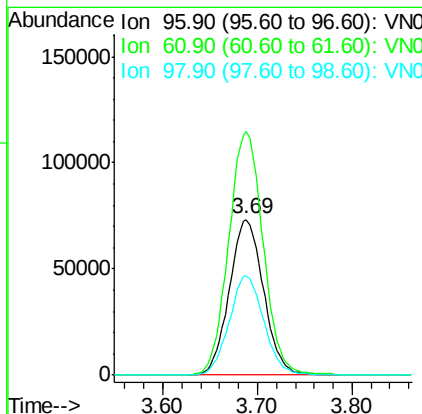
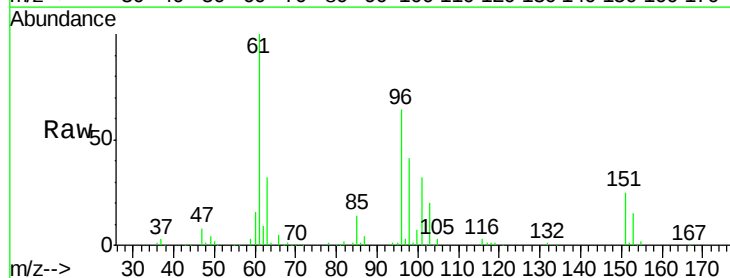
MMDadoda
 11/24/2020 3:01:13 PM

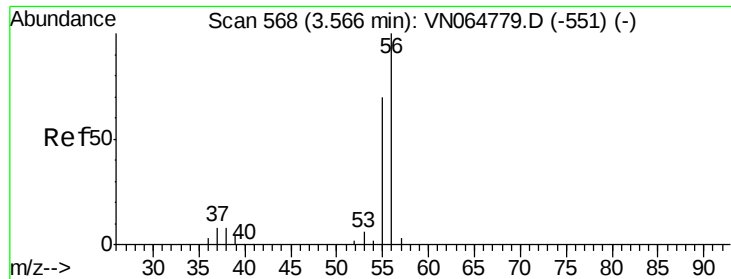


#12

1,1-Dichloroethene
 Concen: 88.962 ug/l
 RT: 3.69 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: VN064780.D
 Acq: 23 Nov 2020 13:06

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	184569		
61	156.5		123.4	185.2
98	63.8		49.8	74.8





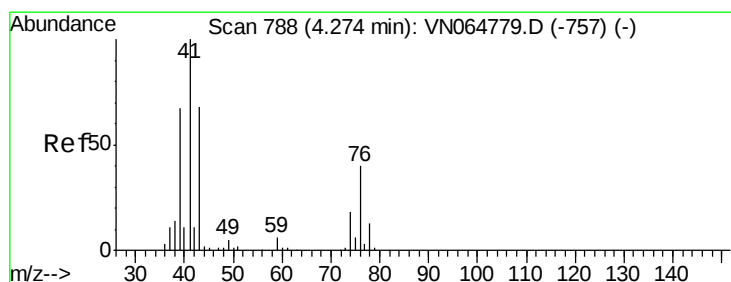
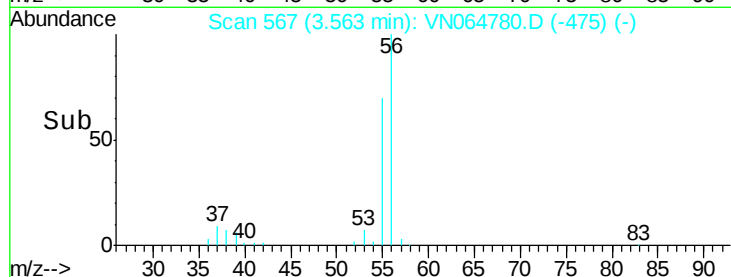
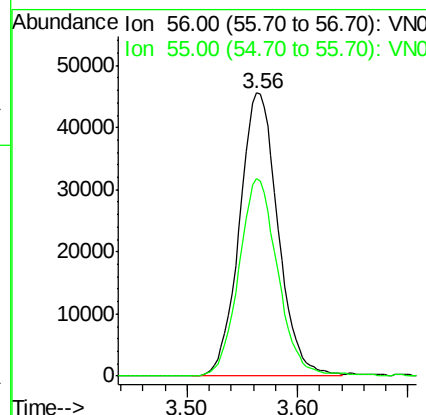
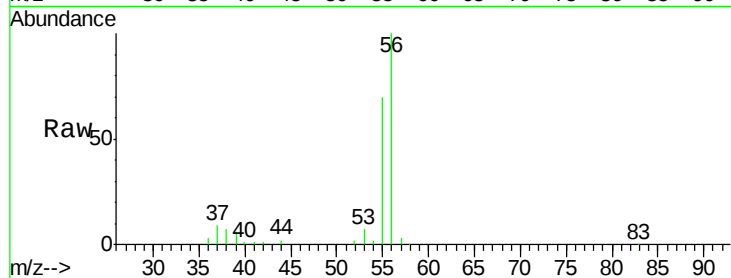
#13
Acrolein
Concen: 1065.960 ug/l
RT: 3.56 min Scan# 567
Delta R.T. -0.00 min
Lab File: VN064780.D
Acq: 23 Nov 2020 13:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	56	Resp	110259
Ion Ratio	100	Lower	Upper
56	100		
55	70.2	56.5	84.7

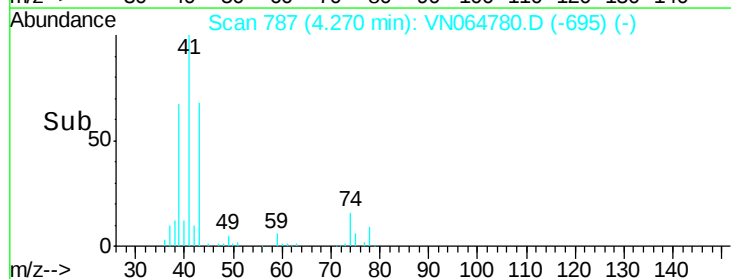
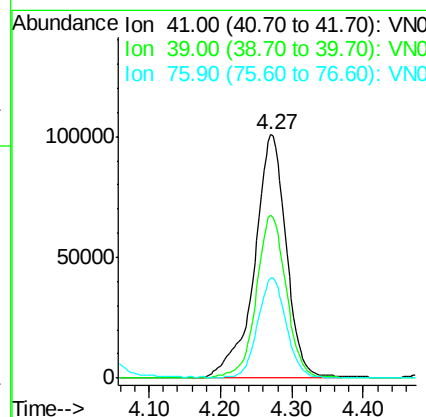
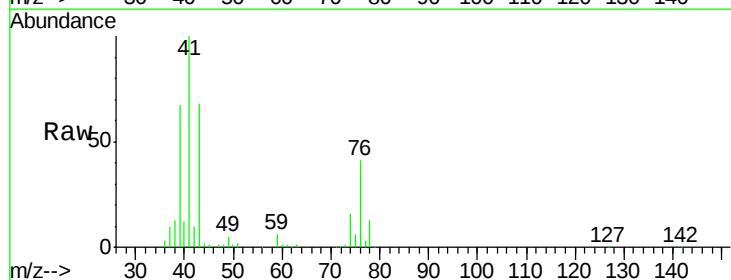
Manual Integrations
APPROVED

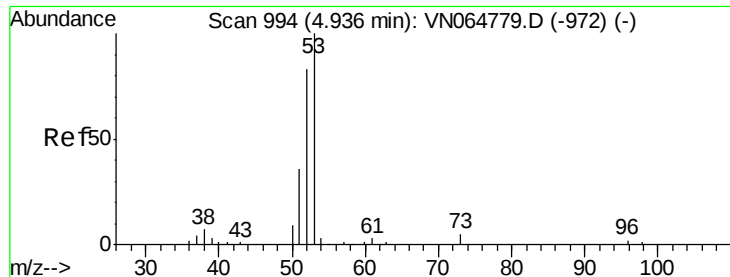
MMDadoda
11/24/2020 3:01:13 PM



#14
Allyl chloride
Concen: 88.782 ug/l
RT: 4.27 min Scan# 787
Delta R.T. -0.00 min
Lab File: VN064780.D
Acq: 23 Nov 2020 13:06

Tgt Ion	41	Resp	313262
Ion Ratio	100	Lower	Upper
41	100		
39	62.7	50.9	76.3
76	36.0	29.0	43.4





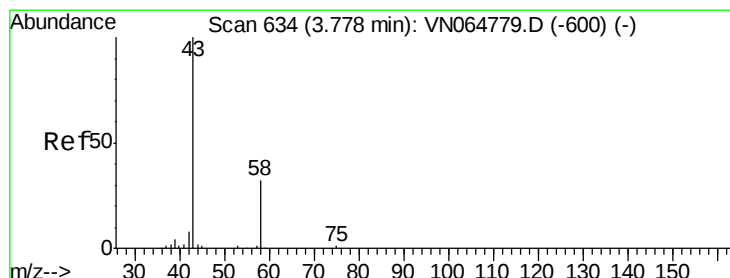
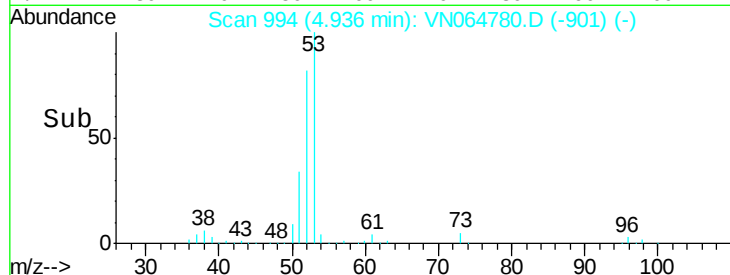
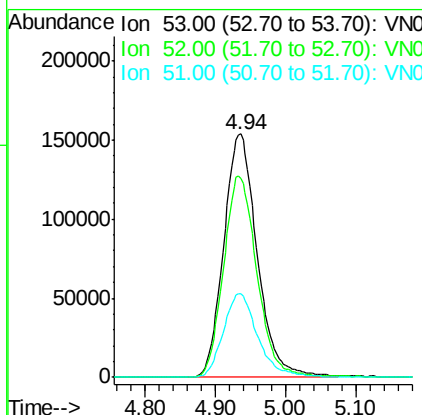
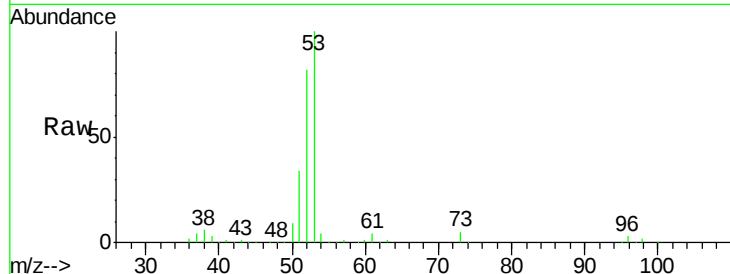
#15
 Acrylonitrile
 Concen: 518.423 ug/l
 RT: 4.94 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VN064780.D
 Acq: 23 Nov 2020 13:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.7	65.5	98.3
51	35.5	28.6	43.0

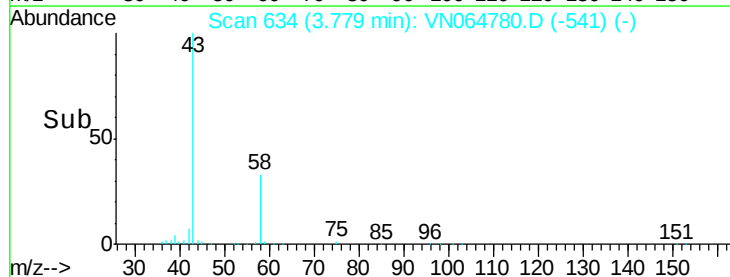
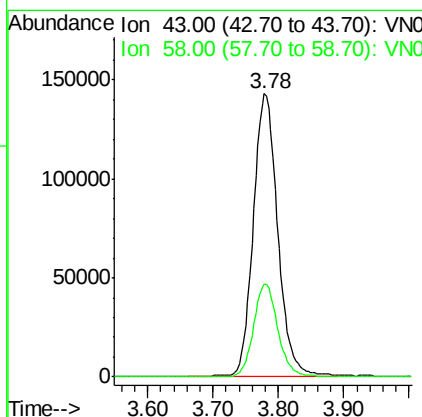
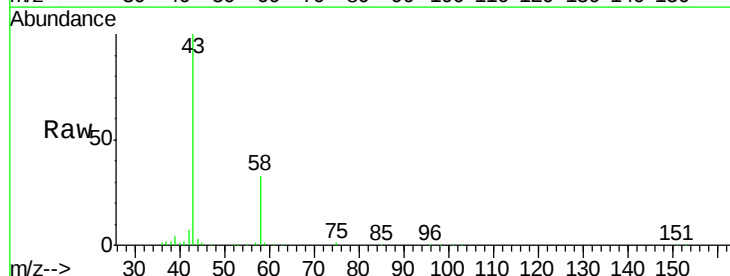
Manual Integrations
 APPROVED

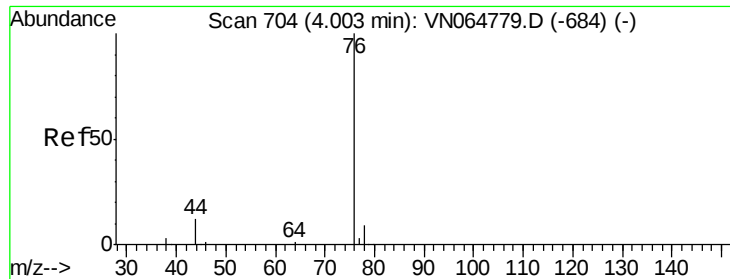
MMDadoda
 11/24/2020 3:01:13 PM



#16
 Acetone
 Concen: 443.628 ug/l
 RT: 3.78 min Scan# 634
 Delta R.T. 0.00 min
 Lab File: VN064780.D
 Acq: 23 Nov 2020 13:06

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.6	25.7	38.5





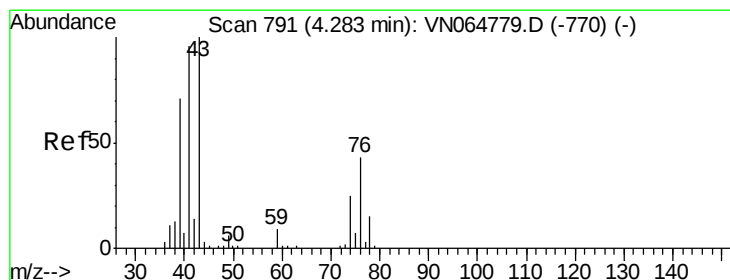
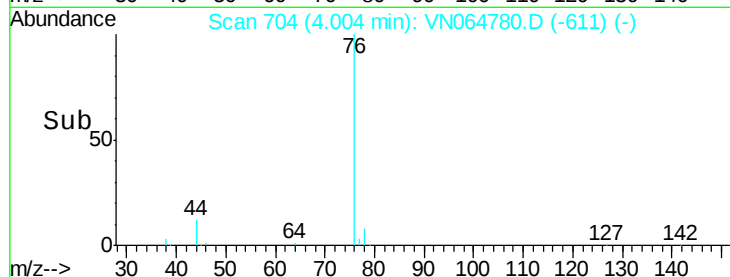
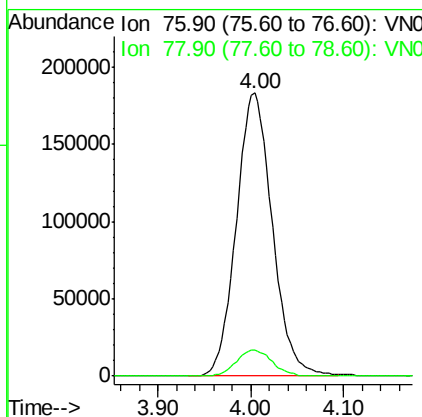
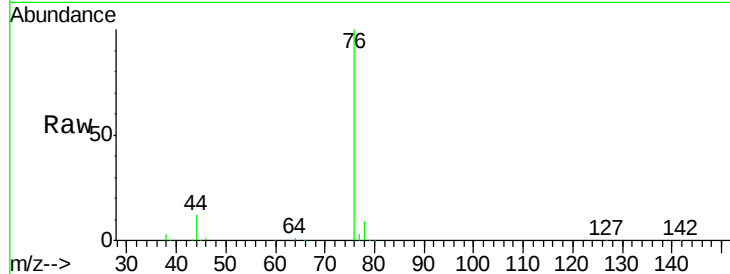
#17
Carbon Disulfide
Concen: 77.351 ug/l
RT: 4.00 min Scan# 704
Delta R.T. 0.00 min
Lab File: VN064780.D
Acq: 23 Nov 2020 13:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.4	11.0

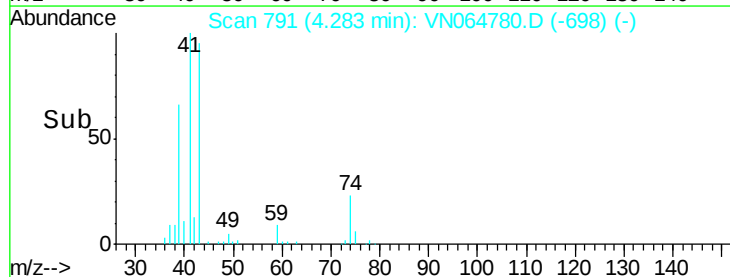
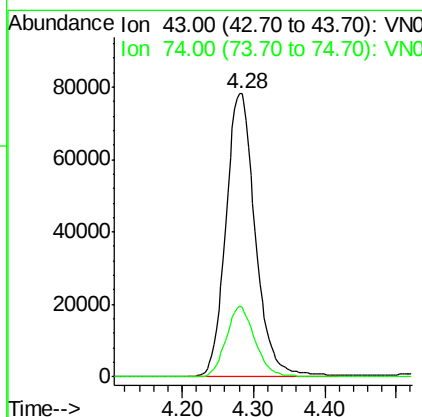
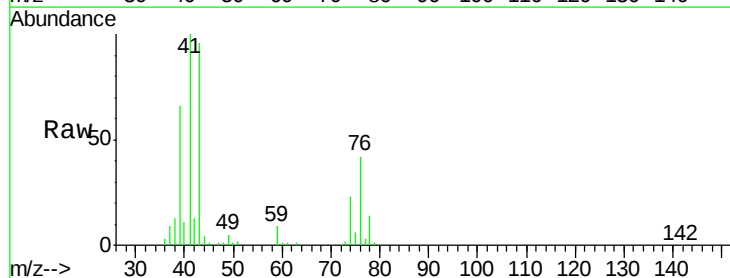
Manual Integrations
APPROVED

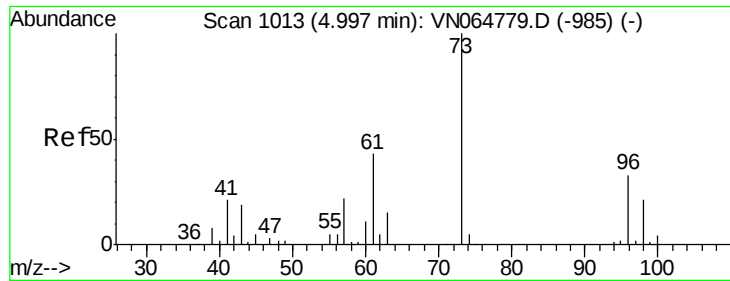
MMDadoda
11/24/2020 3:01:13 PM



#18
Methyl Acetate
Concen: 87.508 ug/l
RT: 4.28 min Scan# 791
Delta R.T. 0.00 min
Lab File: VN064780.D
Acq: 23 Nov 2020 13:06

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.3	20.2	30.2





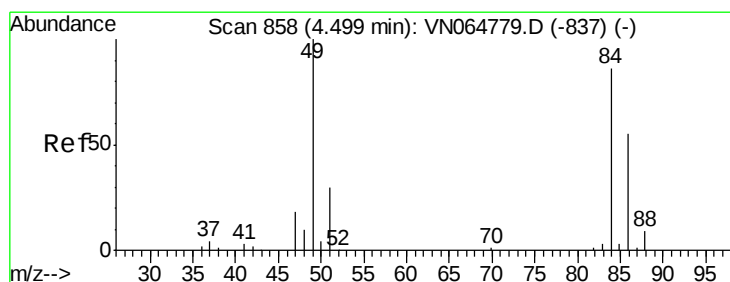
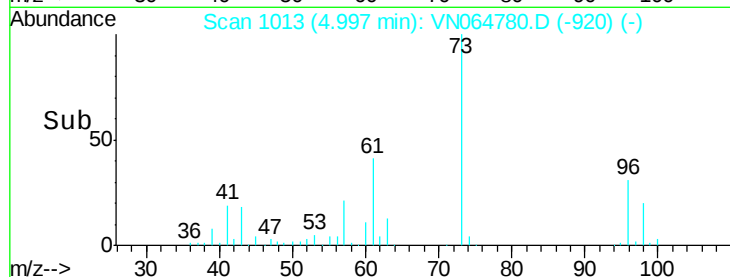
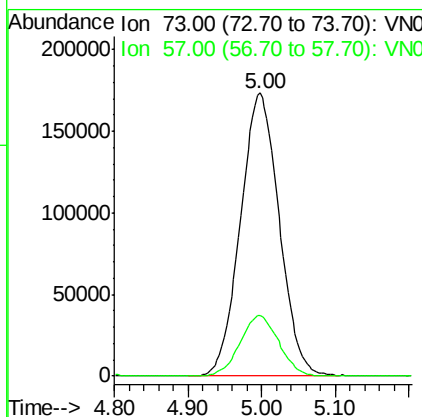
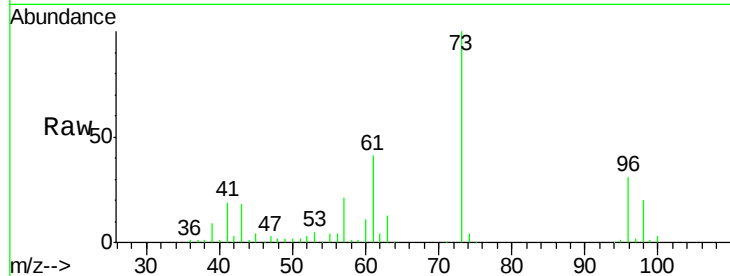
#19
Methvl tert-butvl Ether
Concen: 92.651 ug/l
RT: 5.00 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VN064780.D
Acq: 23 Nov 2020 13:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 73 Resp: 636493
Ion Ratio Lower Upper
73 100
57 21.4 17.4 26.0

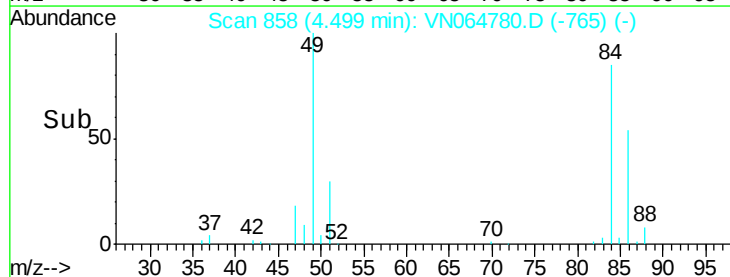
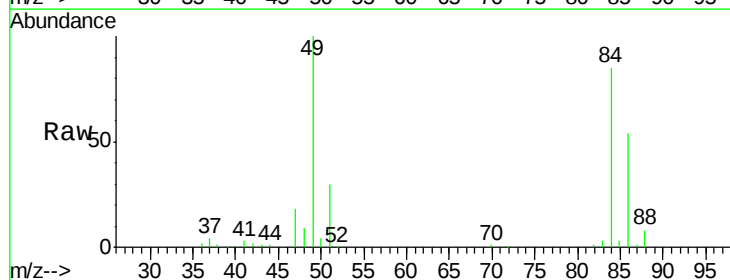
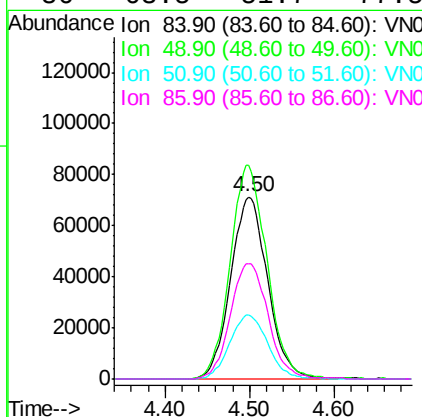
Manual Integrations
APPROVED

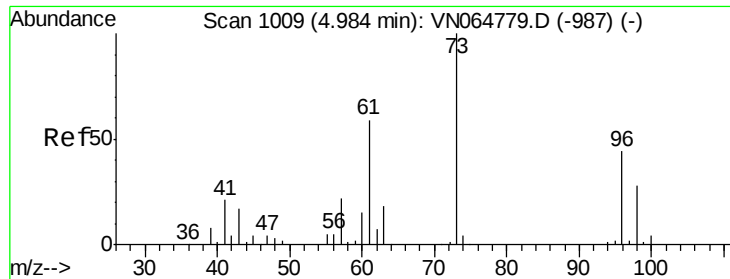
MMDadoda
11/24/2020 3:01:13 PM



#20
Methylene Chloride
Concen: 86.948 ug/l
RT: 4.50 min Scan# 858
Delta R.T. 0.00 min
Lab File: VN064780.D
Acq: 23 Nov 2020 13:06

Tgt Ion: 84 Resp: 218095
Ion Ratio Lower Upper
84 100
49 117.1 93.4 140.0
51 34.9 28.2 42.4
86 63.5 51.7 77.5





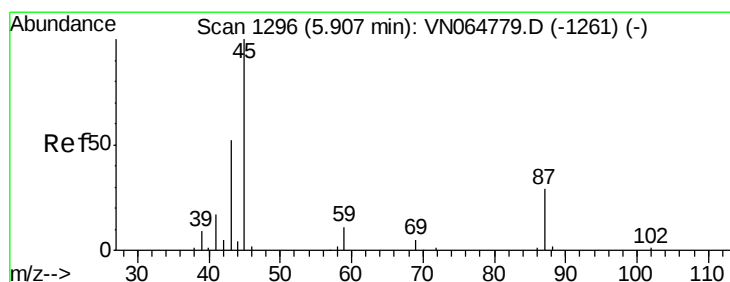
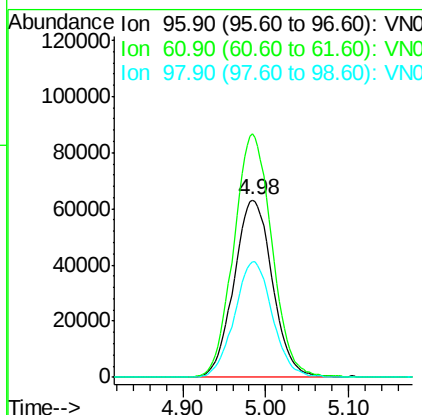
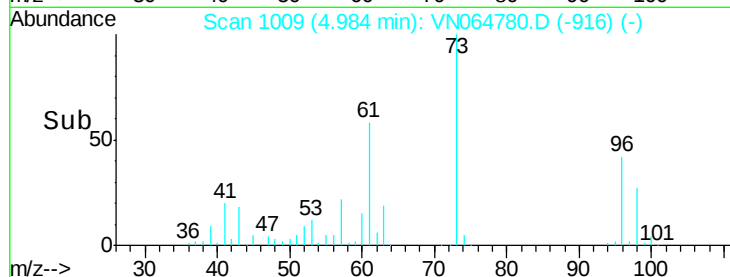
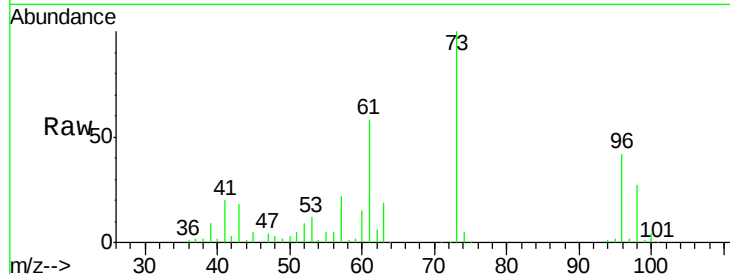
#21
trans-1,2-Dichloroethene
Concen: 88.380 ug/l
RT: 4.98 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN064780.D
Acq: 23 Nov 2020 13:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.1	108.4	162.6
98	65.2	51.3	76.9

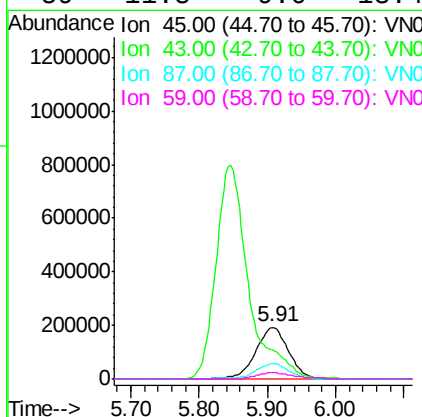
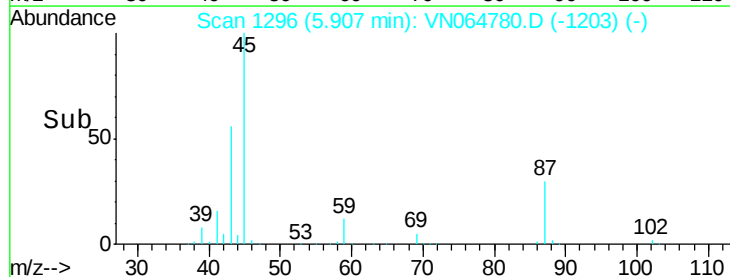
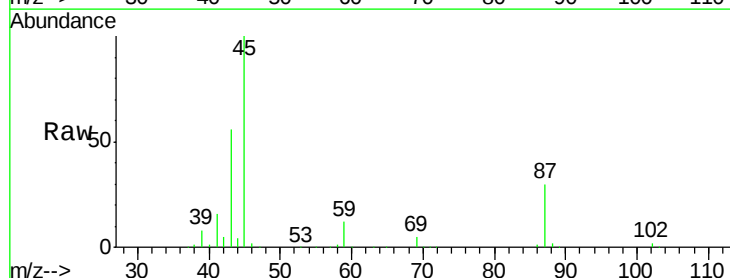
Manual Integrations
APPROVED

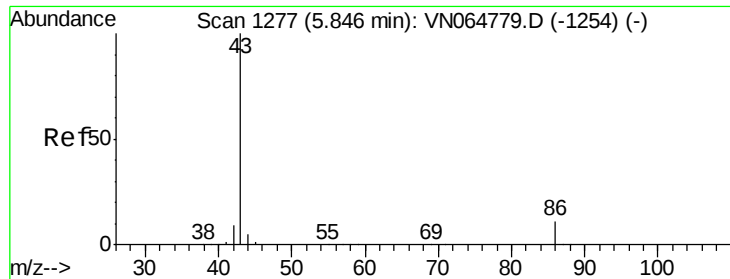
MMDadoda
11/24/2020 3:01:13 PM



#22
Diisopropyl ether
Concen: 87.211 ug/l
RT: 5.91 min Scan# 1296
Delta R.T. 0.00 min
Lab File: VN064780.D
Acq: 23 Nov 2020 13:06

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.1	46.2	69.2
87	29.9	24.1	36.1
59	11.8	9.0	13.4





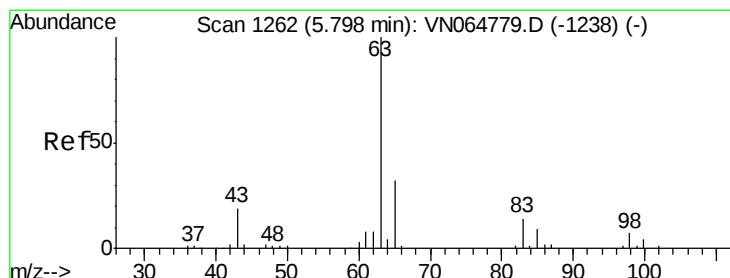
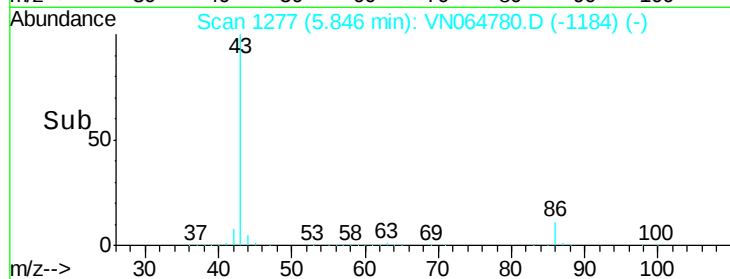
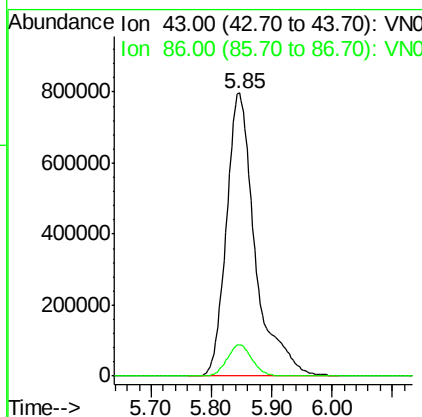
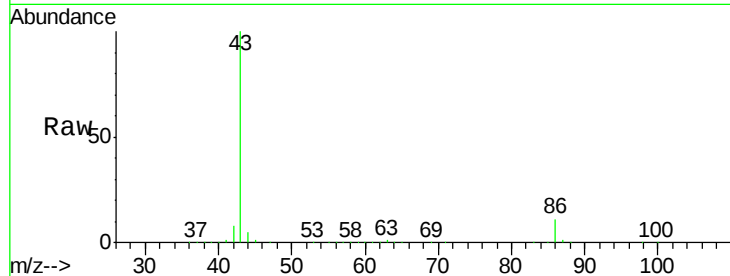
#23
 Vinyl Acetate
 Concen: 445.291 ug/l
 RT: 5.85 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VN064780.D
 Acq: 23 Nov 2020 13:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 43 Resp: 2654648
 Ion Ratio Lower Upper
 43 100
 86 11.1 8.9 13.3

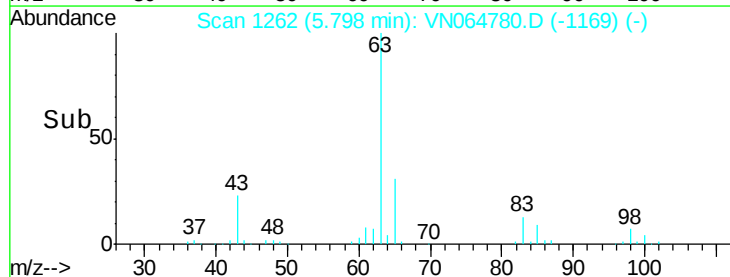
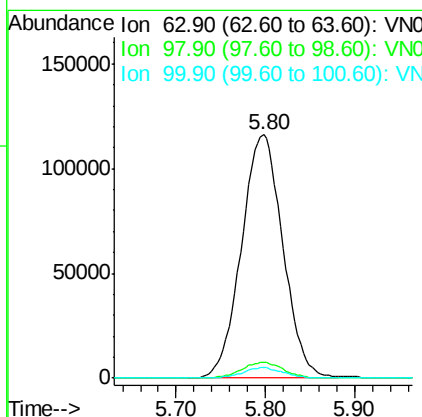
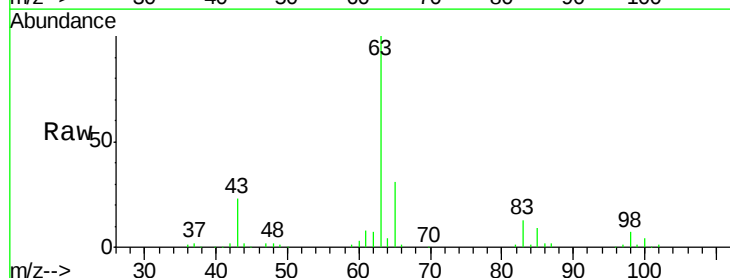
Manual Integrations
 APPROVED

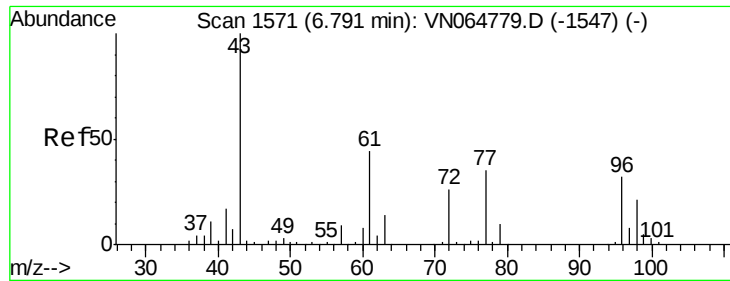
MMDadoda
 11/24/2020 3:01:13 PM



#24
 1,1-Dichloroethane
 Concen: 86.021 ug/l
 RT: 5.80 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VN064780.D
 Acq: 23 Nov 2020 13:06

Tgt Ion: 63 Resp: 375237
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.5 10.5
 100 4.5 2.3 6.8





#25

2-Butanone

Concen: 485.780 ug/l

RT: 6.79 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN064780.D

Acq: 23 Nov 2020 13:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 634880

Ion Ratio Lower Upper

43 100

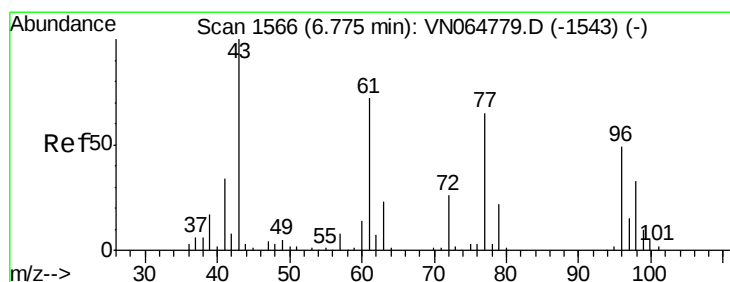
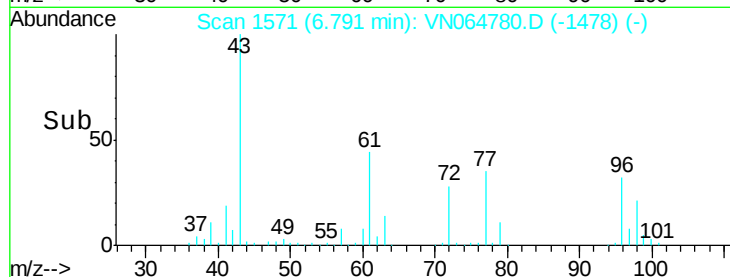
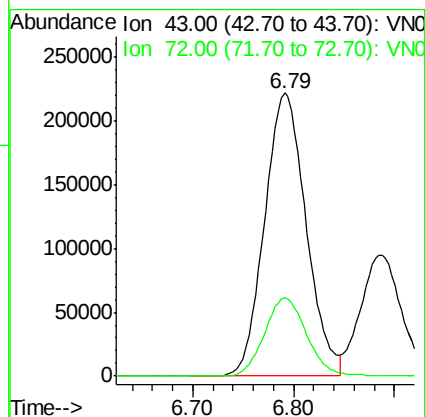
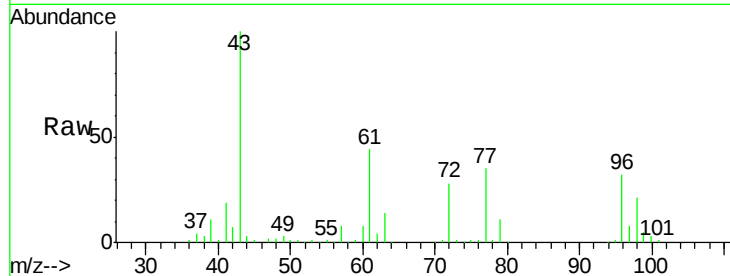
72 27.7 21.0 31.6

Manual Integrations

APPROVED

MMDadoda

11/24/2020 3:01:13 PM



#26

2,2-Dichloropropane

Concen: 78.548 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN064780.D

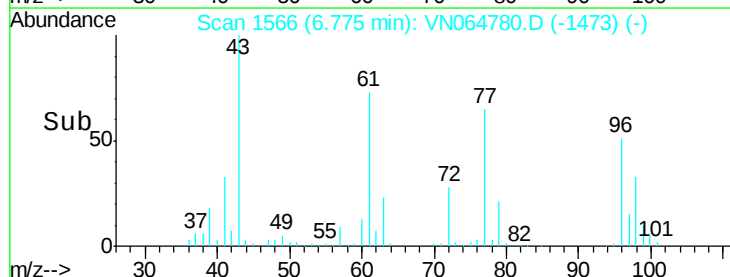
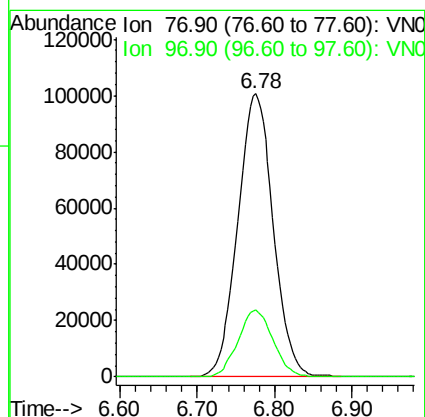
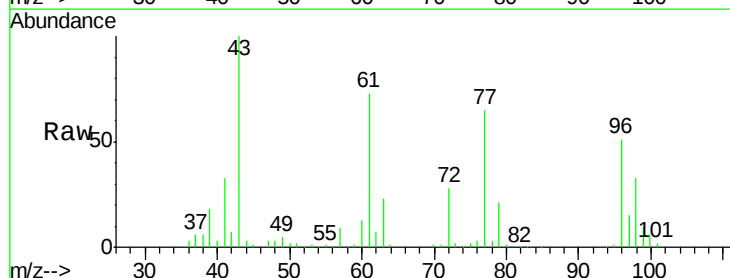
Acq: 23 Nov 2020 13:06

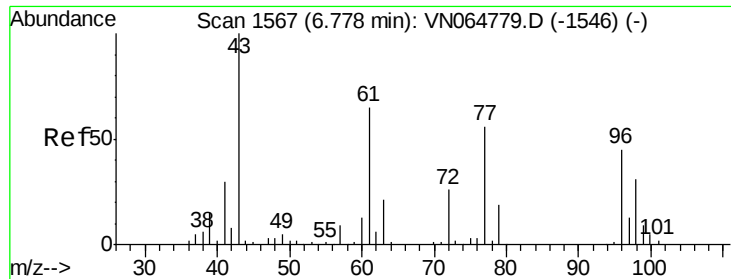
Tgt Ion: 77 Resp: 320089

Ion Ratio Lower Upper

77 100

97 23.4 11.7 35.0





#27

cis-1,2-Dichloroethene

Concen: 93.114 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN064780.D

Acq: 23 Nov 2020 13:06

Instrument :

MSVOA_N

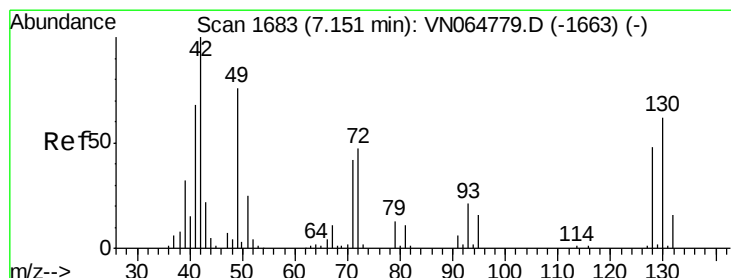
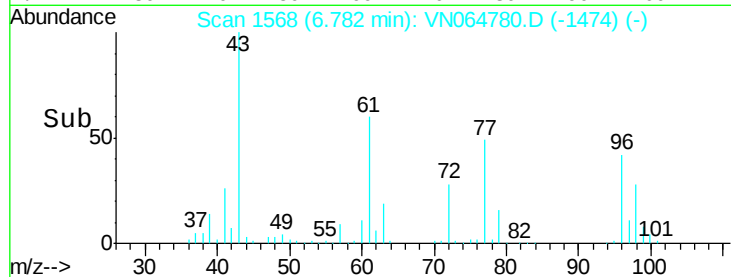
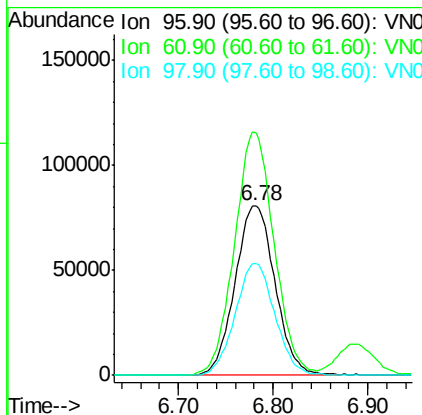
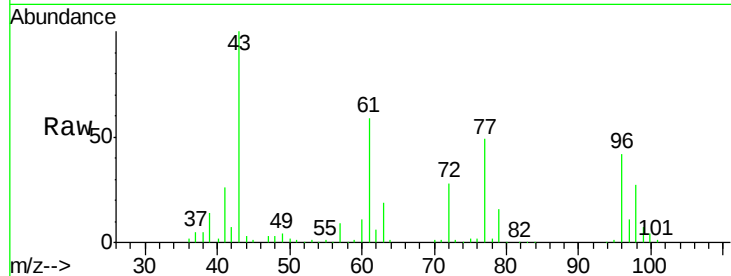
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	237385
Ion	Ratio	Lower	Upper
96	100		
61	142.0	0.0	285.8
98	65.7	0.0	130.6

Manual Integrations
APPROVED

MMDadoda
11/24/2020 3:01:13 PM



#28

Bromochloromethane

Concen: 78.346 ug/l

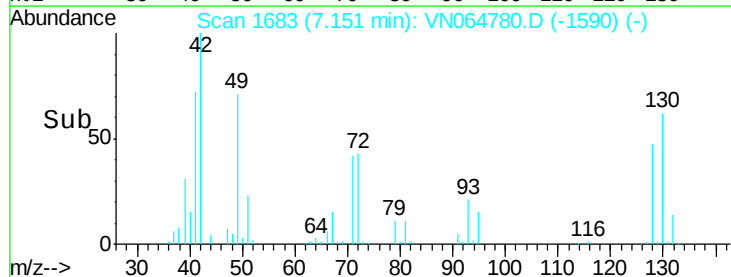
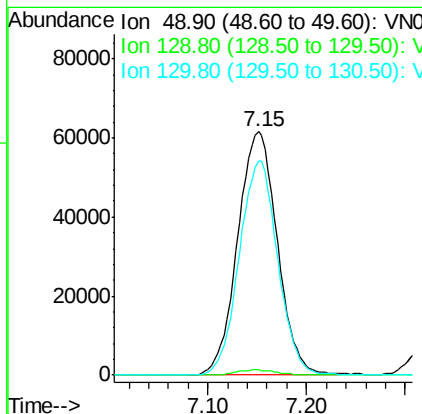
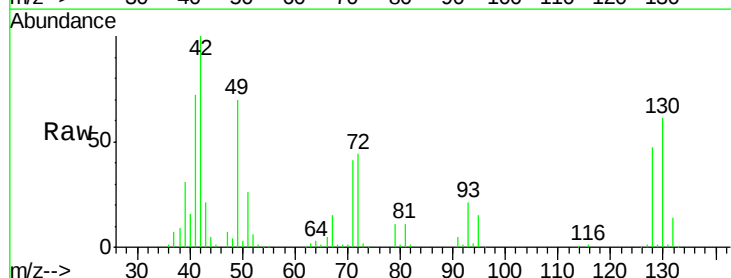
RT: 7.15 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VN064780.D

Acq: 23 Nov 2020 13:06

Tgt Ion:	49	Resp:	171134
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.8
130	85.5	66.2	99.2





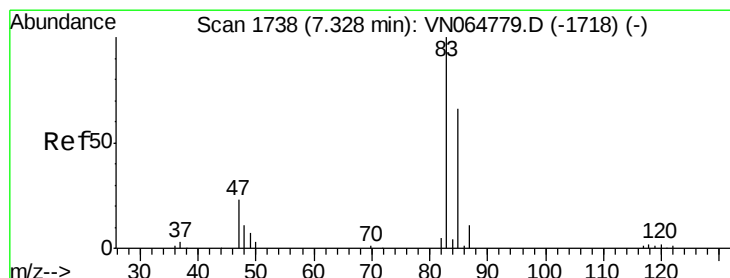
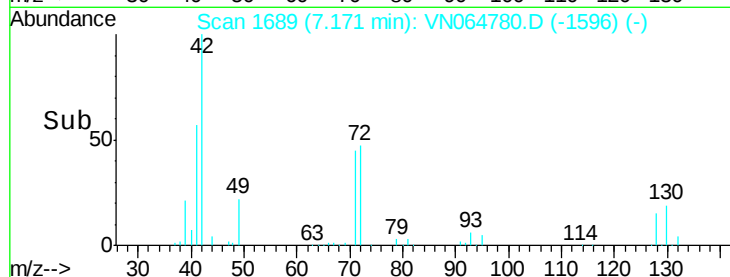
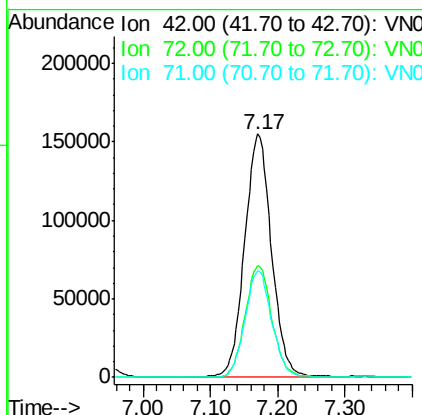
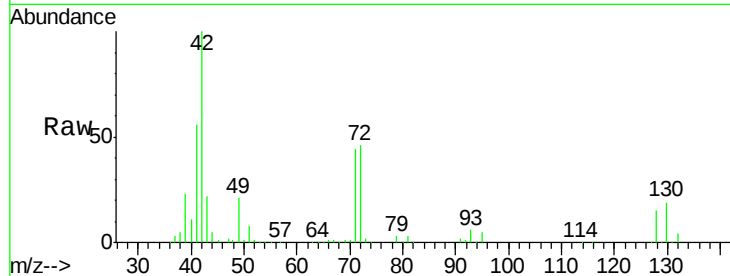
#29
Tetrahydrofuran
Concen: 491.055 ug/l
RT: 7.17 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VN064780.D
Acq: 23 Nov 2020 13:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.6	36.6	54.8
71	43.3	33.6	50.4

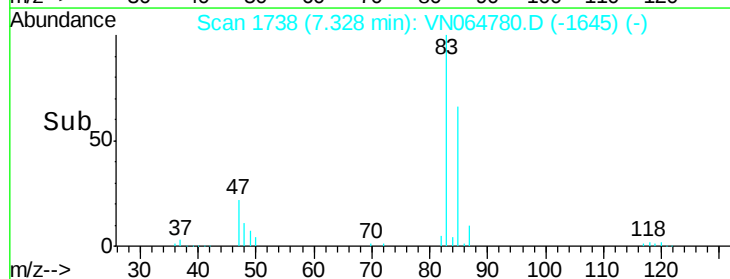
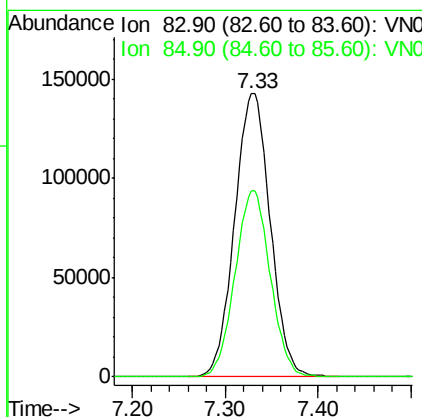
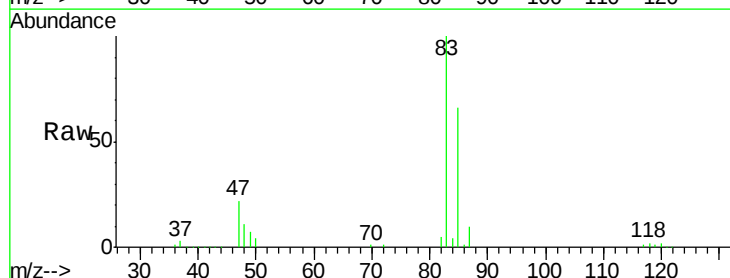
Manual Integrations
APPROVED

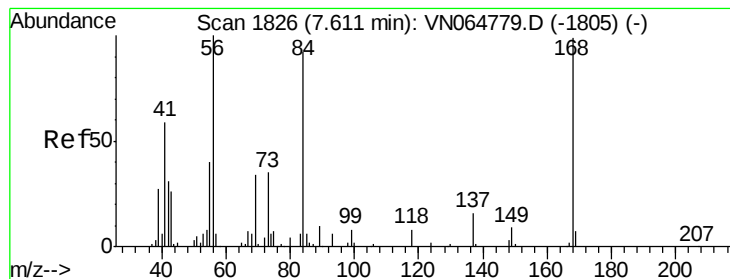
MMDadoda
11/24/2020 3:01:13 PM



#30
Chloroform
Concen: 81.142 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN064780.D
Acq: 23 Nov 2020 13:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	52.6	78.8





#31

Cyclohexane

Concen: 84.264 ug/l

RT: 7.61 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN064780.D

Acq: 23 Nov 2020 13:06

Instrument :

MSVOA_N

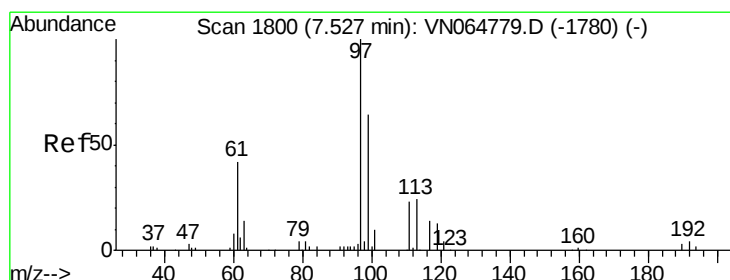
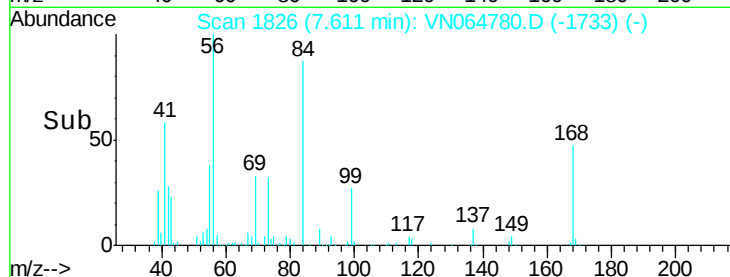
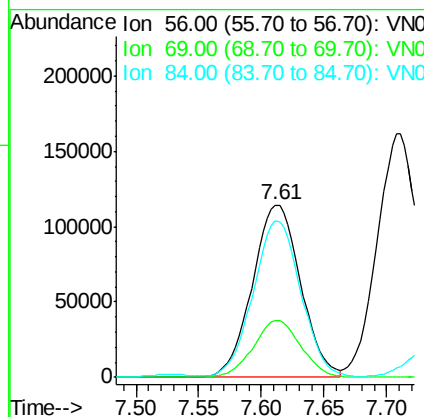
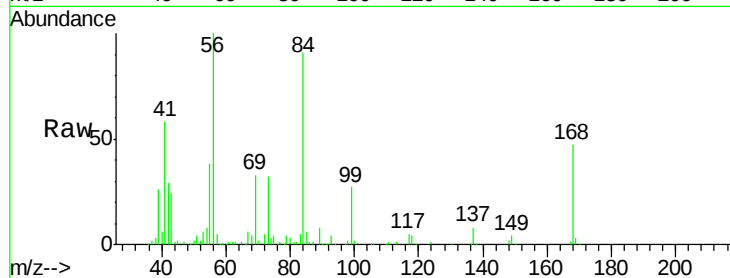
ClientSampleId :

VSTDIC100

Tot Ion	56	Resp	305544
Ion	Ratio	Lower	Upper
56	100		
69	33.0	27.5	41.3
84	89.7	73.9	110.9

Manual Integrations
APPROVED

MMDadoda
11/24/2020 3:01:13 PM



#32

1,1,1-Trichloroethane

Concen: 78.170 ug/l

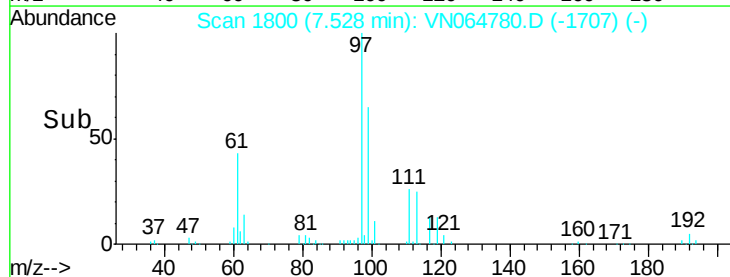
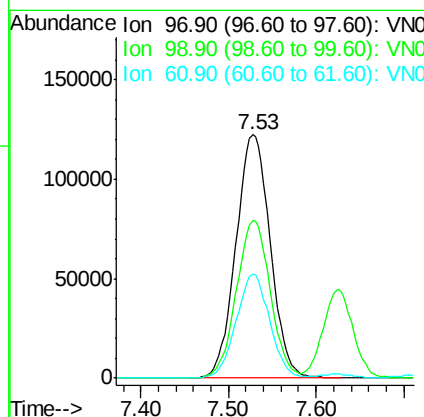
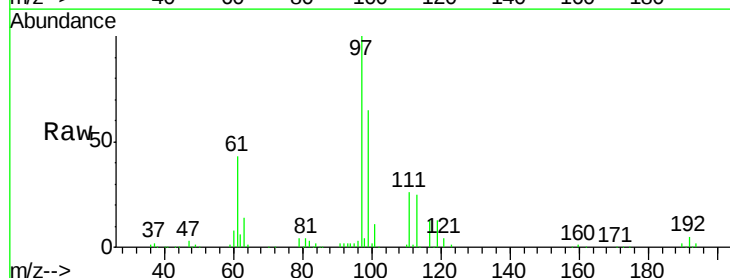
RT: 7.53 min Scan# 1800

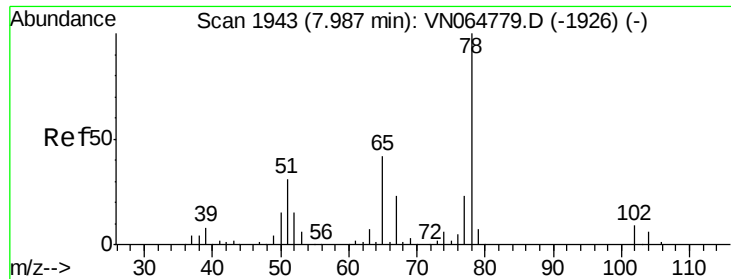
Delta R.T. 0.00 min

Lab File: VN064780.D

Acq: 23 Nov 2020 13:06

Tgt Ion	97	Resp	333548
Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.7	77.5
61	41.7	33.9	50.9





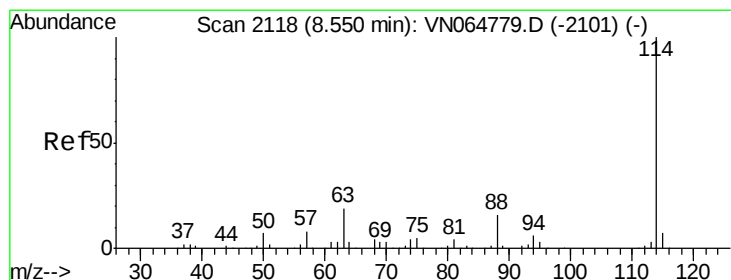
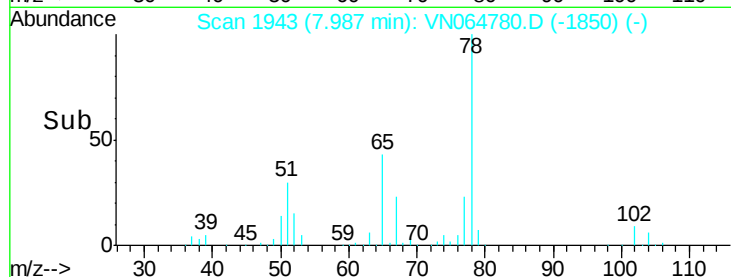
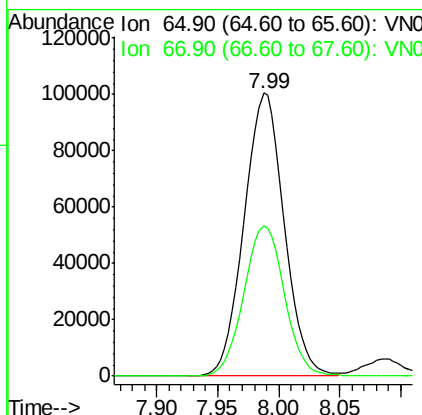
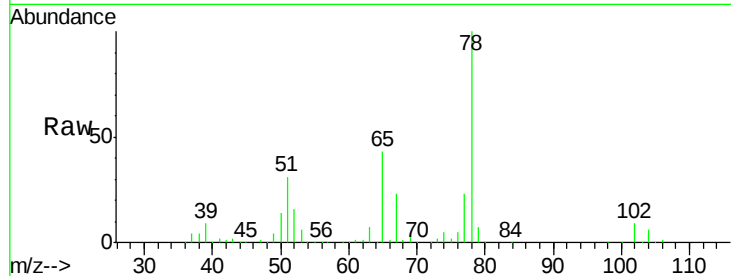
#33
 1,2-Dichloroethane-d4
 Concen: 70.593 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064780.D
 Acq: 23 Nov 2020 13:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100	228534		
67	53.9	0.0	108.2	

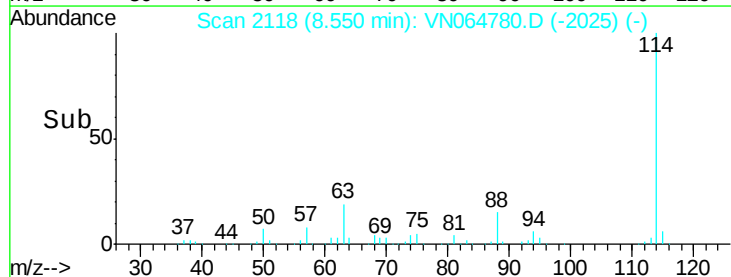
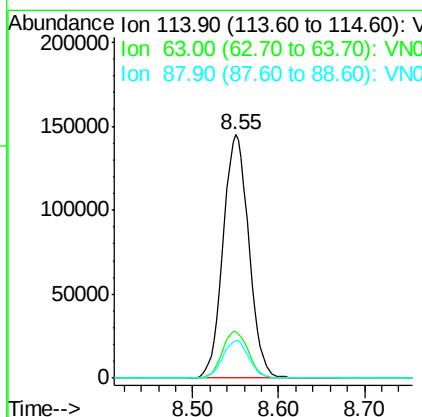
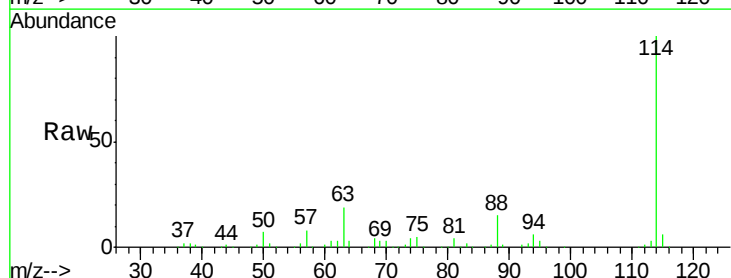
Manual Integrations
 APPROVED

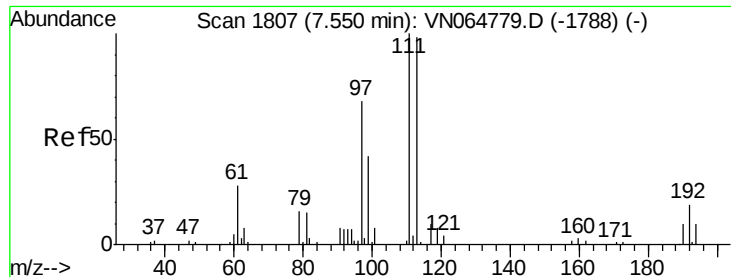
MMDadoda
 11/24/2020 3:01:13 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064780.D
 Acq: 23 Nov 2020 13:06

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	302095		
63	19.1	0.0	38.6	
88	15.4	0.0	32.6	





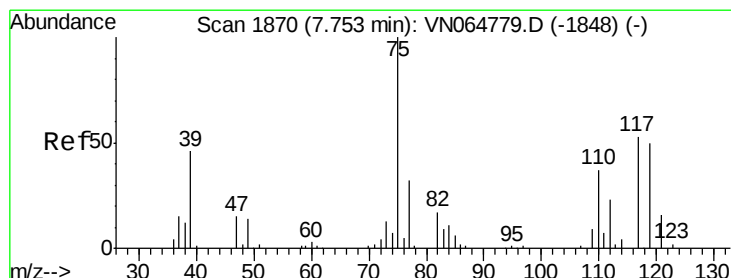
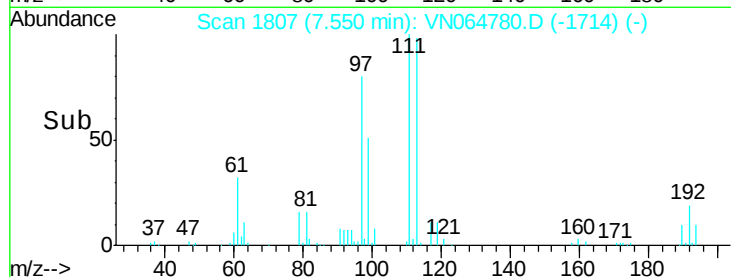
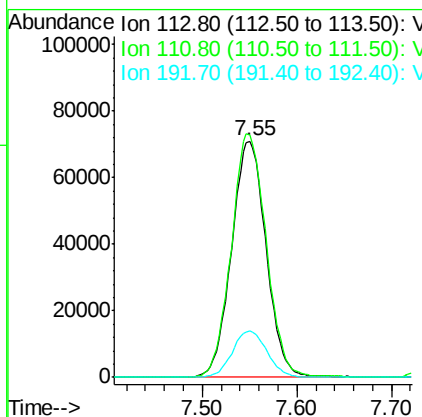
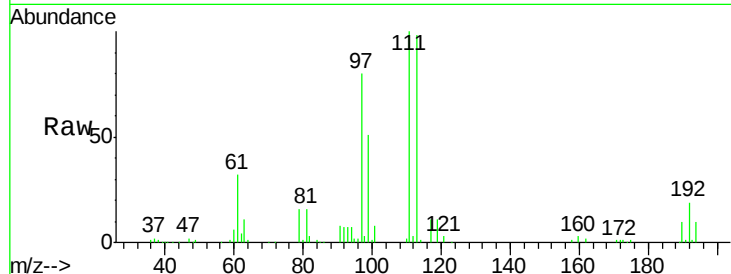
#35
 Dibromofluoromethane
 Concen: 103.862 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064780.D
 Acq: 23 Nov 2020 13:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	180140		
111	104.2	81.6	122.4	
192	19.6	16.2	24.2	

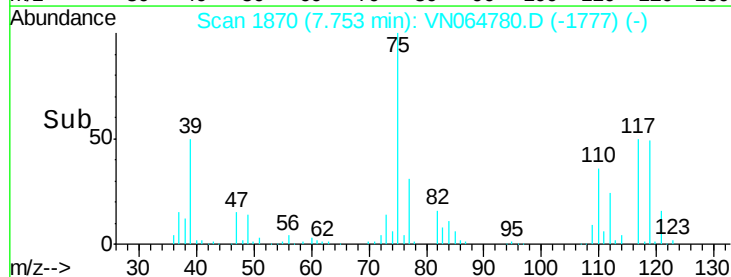
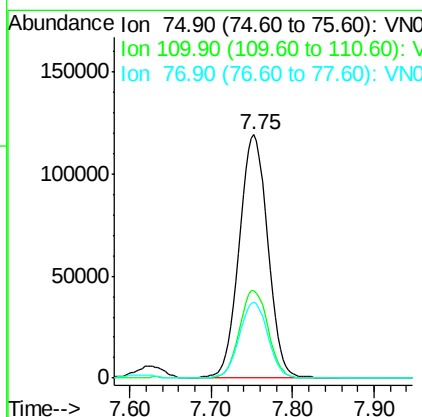
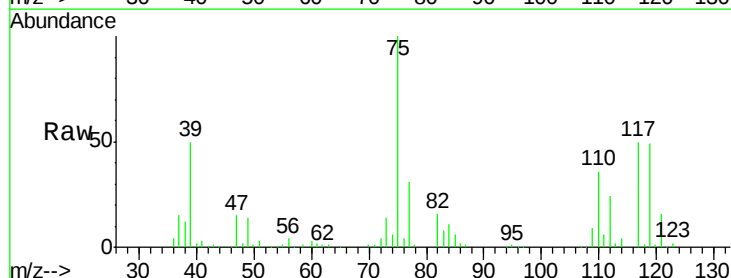
Manual Integrations
 APPROVED

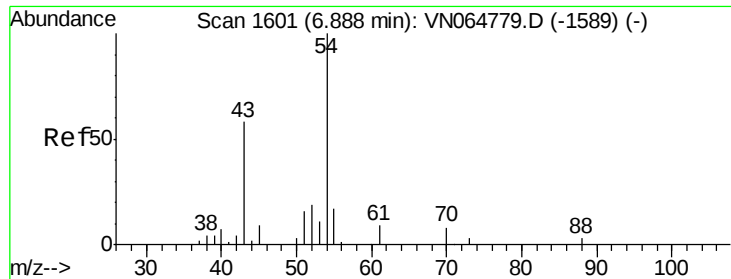
MMDadoda
 11/24/2020 3:01:13 PM



#36
 1,1-Dichloropropene
 Concen: 94.334 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VN064780.D
 Acq: 23 Nov 2020 13:06

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	287566		
110	36.2	17.8	53.3	
77	31.5	25.0	37.4	





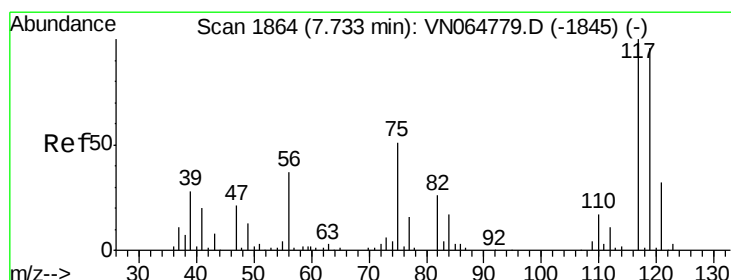
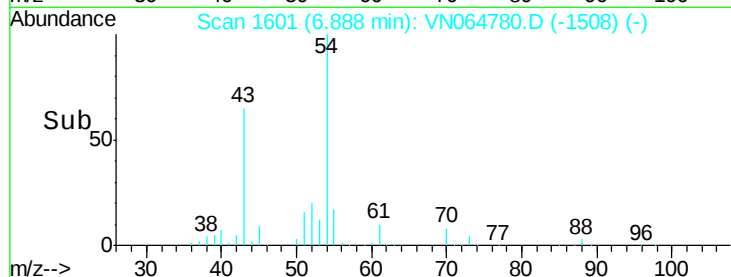
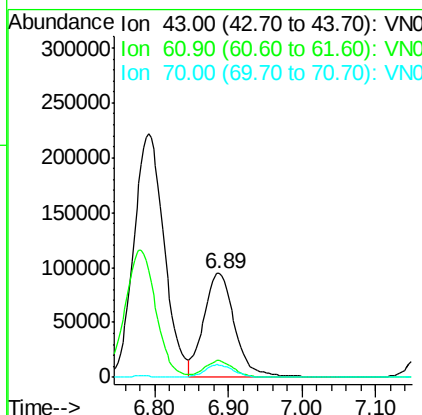
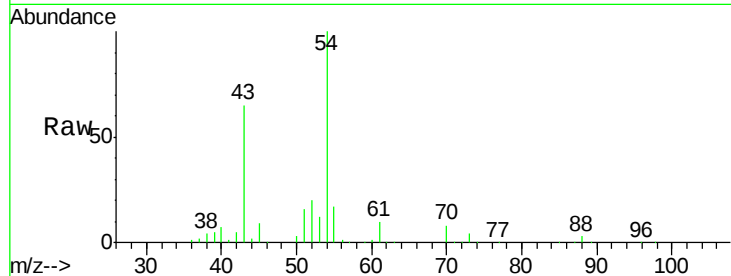
#37
Ethyl Acetate
Concen: 106.216 ug/l
RT: 6.89 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VN064780.D
Acq: 23 Nov 2020 13:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	12.8	19.2
70	11.4	8.8	13.2

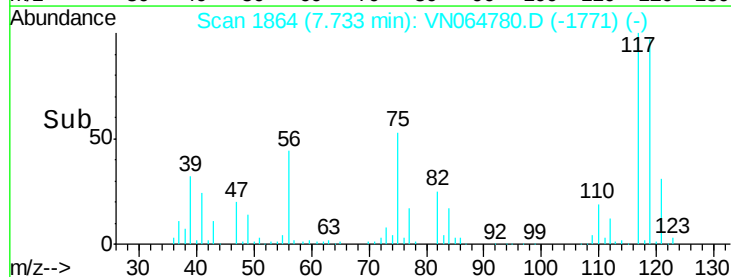
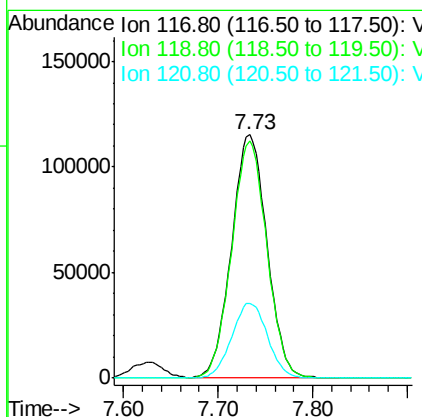
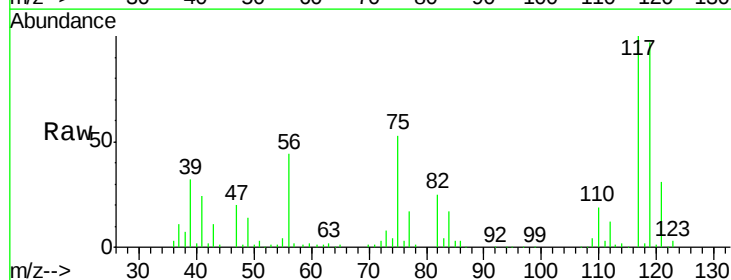
Manual Integrations
APPROVED

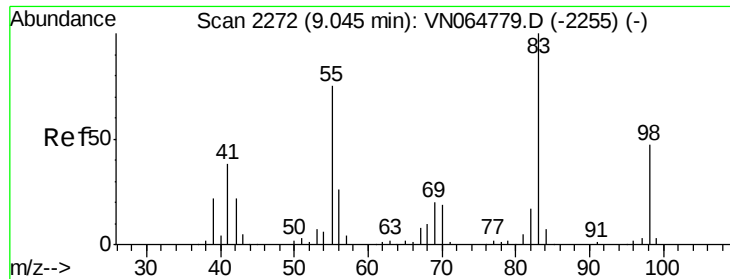
MMDadoda
11/24/2020 3:01:13 PM



#38
Carbon Tetrachloride
Concen: 93.106 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN064780.D
Acq: 23 Nov 2020 13:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.5	76.7	115.1
121	30.8	25.4	38.2





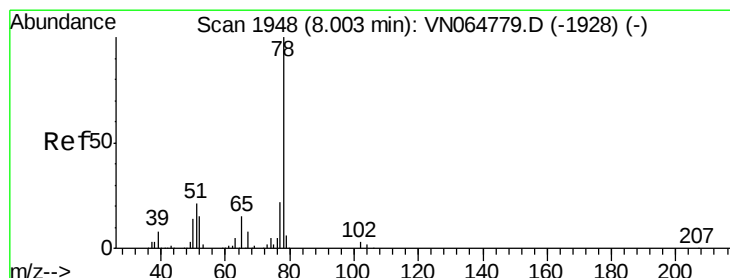
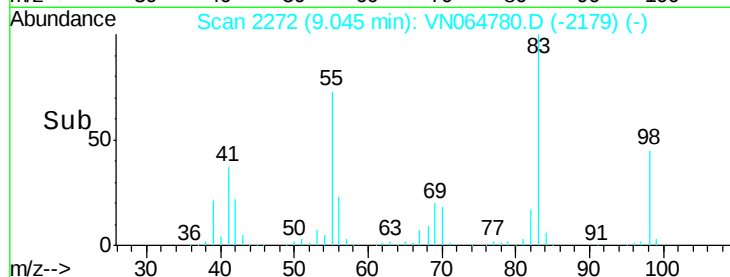
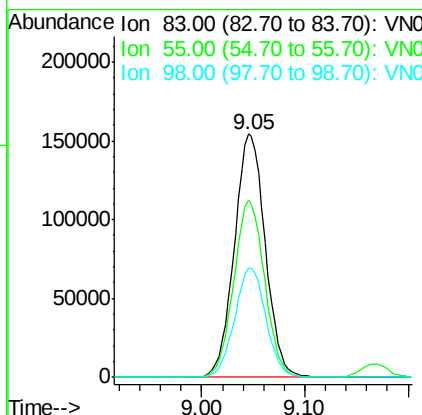
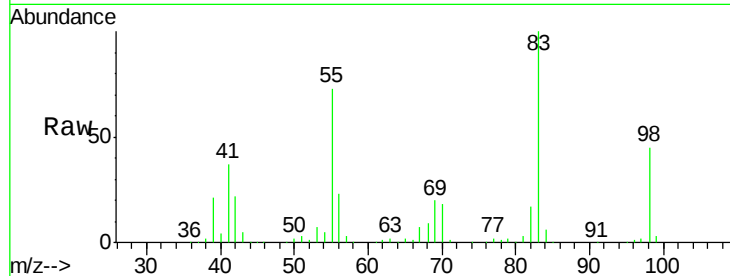
#39
Methvlcvclohexane
Concen: 115.477 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN064780.D
Acq: 23 Nov 2020 13:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	72.6	60.2	90.2	
98	44.9	37.4	56.2	

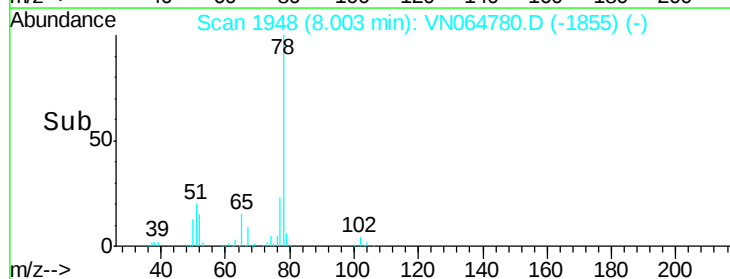
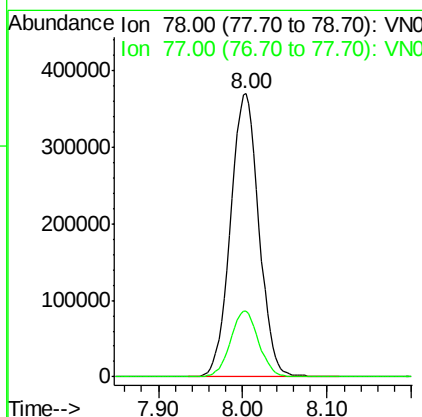
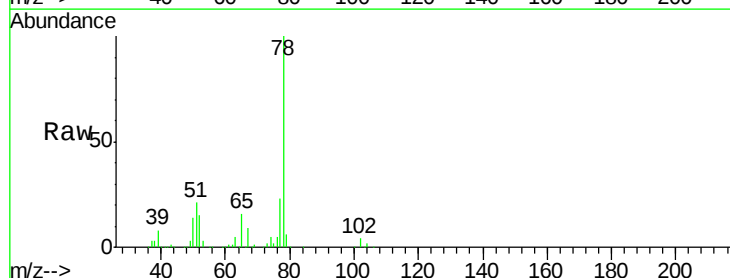
Manual Integrations
APPROVED

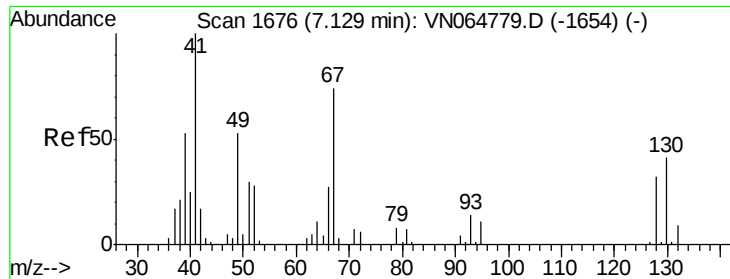
MMDadoda
11/24/2020 3:01:13 PM



#40
Benzene
Concen: 101.028 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN064780.D
Acq: 23 Nov 2020 13:06

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.3	17.9	26.9	





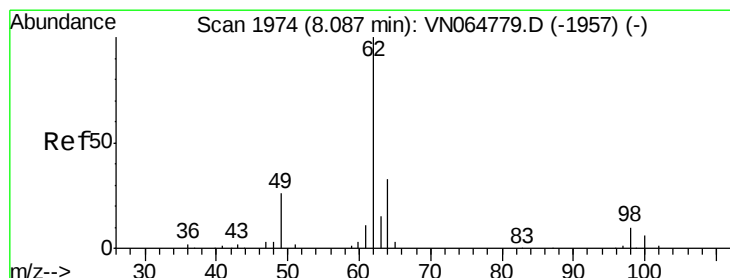
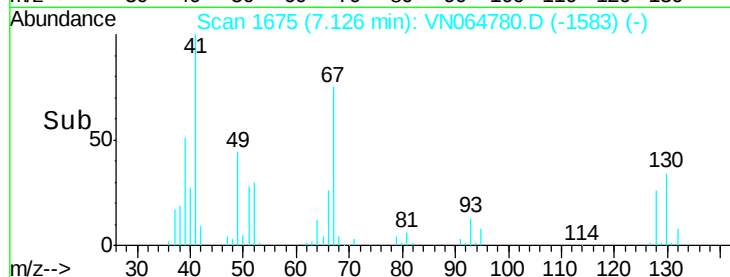
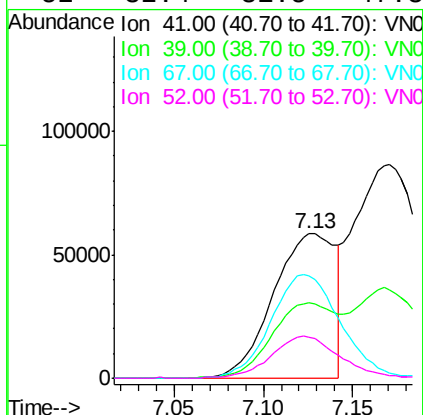
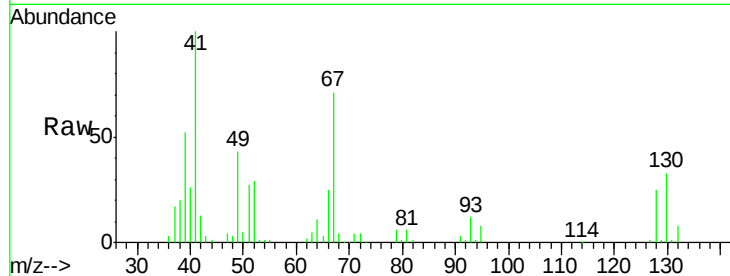
#41
Methacrylonitrile
Concen: 120.671 ug/l
RT: 7.13 min Scan# 1675
Delta R.T. -0.00 min
Lab File: VN064780.D
Acq: 23 Nov 2020 13:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	41	Resp	141556
Ion Ratio	Lower	Upper	
41	100		
39	55.7	51.0	76.6
67	80.8	79.8	119.8
52	32.4	31.5	47.3

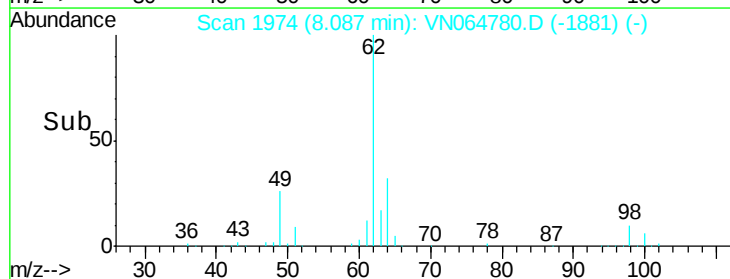
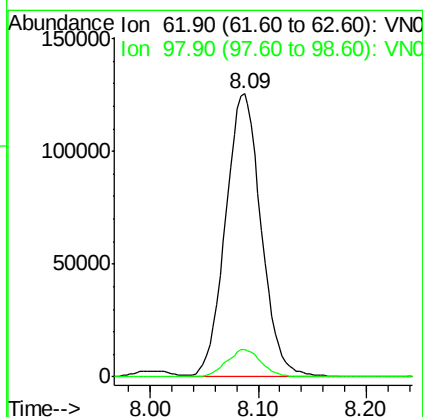
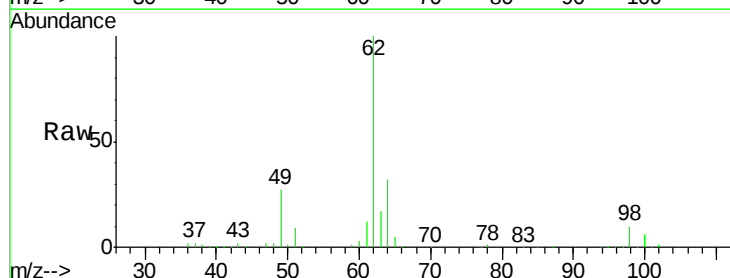
Manual Integrations
APPROVED

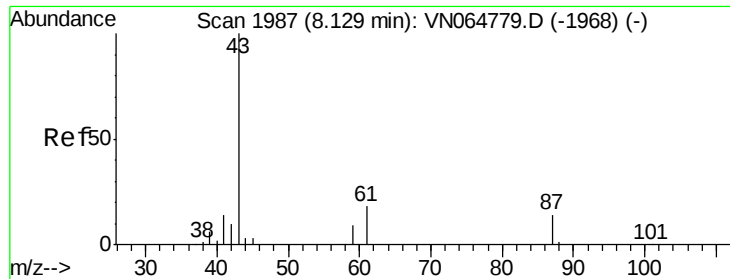
MMDadoda
11/24/2020 3:01:13 PM



#42
1,2-Dichloroethane
Concen: 80.837 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN064780.D
Acq: 23 Nov 2020 13:06

Tgt Ion	62	Resp	288066
Ion Ratio	Lower	Upper	
62	100		
98	9.4	0.0	19.6





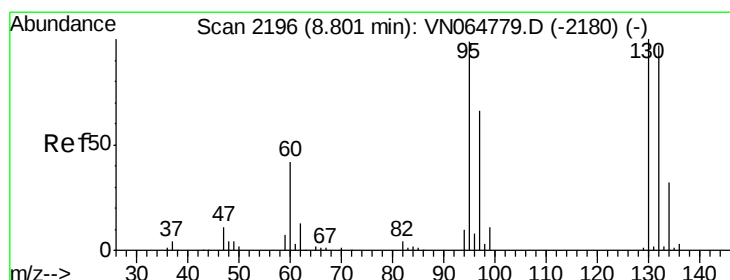
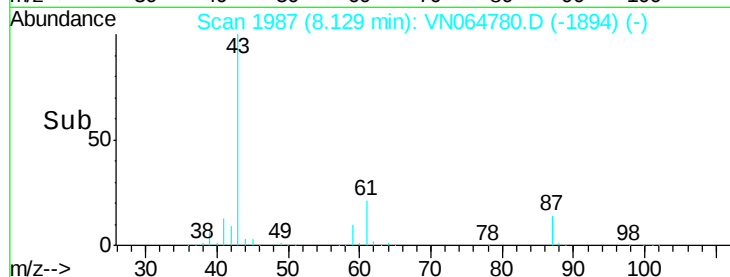
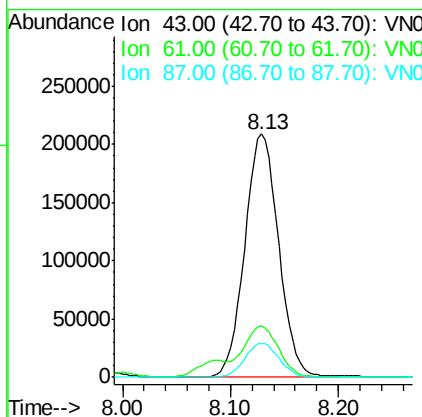
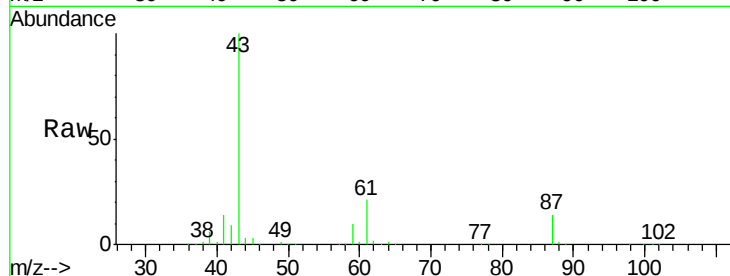
#43
Isopropyl Acetate
Concen: 92.388 ug/l
RT: 8.13 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN064780.D
Acq: 23 Nov 2020 13:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.6	17.2	25.8
87	14.1	11.4	17.0

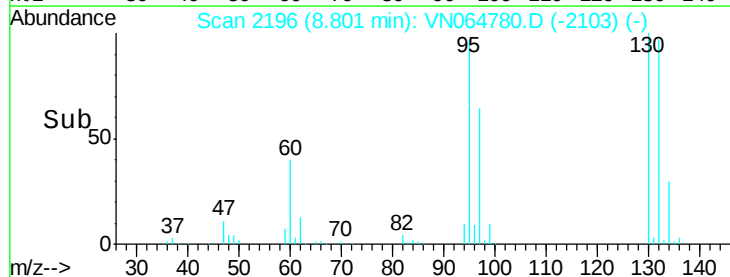
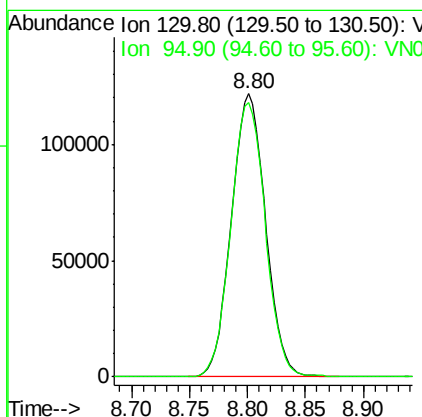
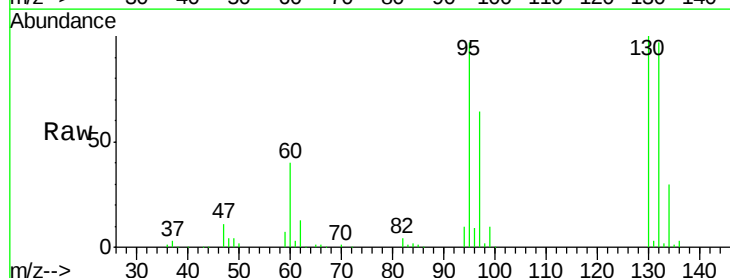
Manual Integrations
APPROVED

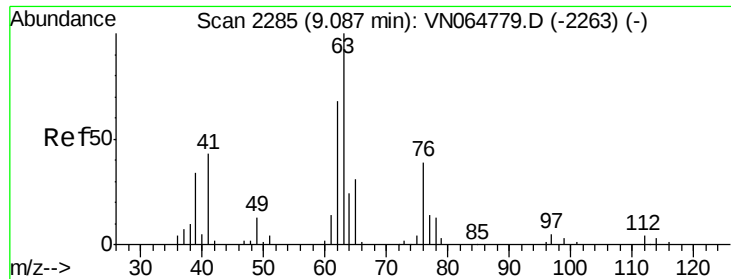
MMDadoda
11/24/2020 3:01:13 PM



#44
Trichloroethene
Concen: 99.755 ug/l
RT: 8.80 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN064780.D
Acq: 23 Nov 2020 13:06

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.7	0.0	197.8





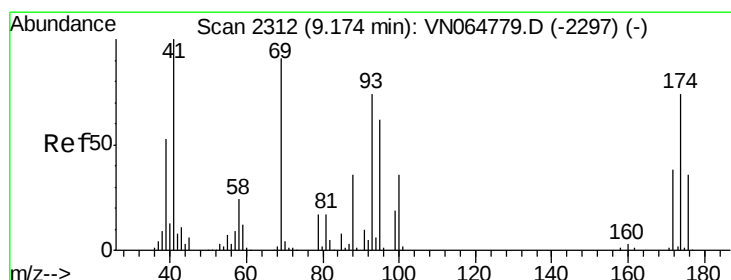
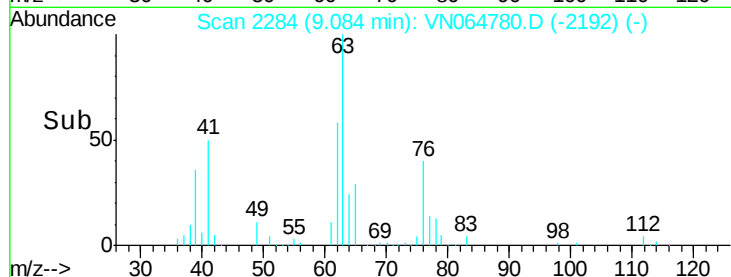
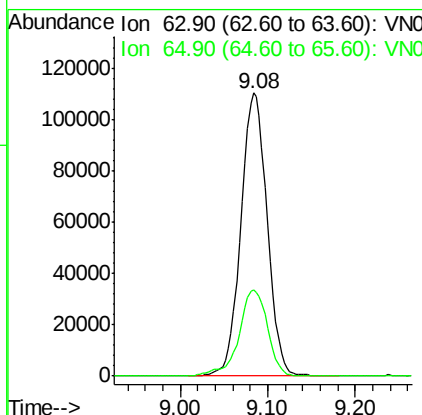
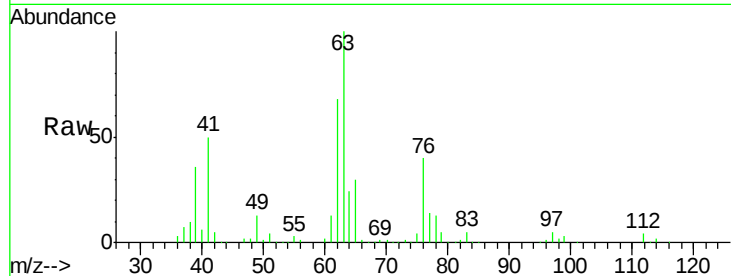
#45
 1,2-Dichloropropane
 Concen: 101.032 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN064780.D
 Acq: 23 Nov 2020 13:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 63 Resp: 230274
 Ion Ratio Lower Upper
 63 100
 65 30.4 25.0 37.4

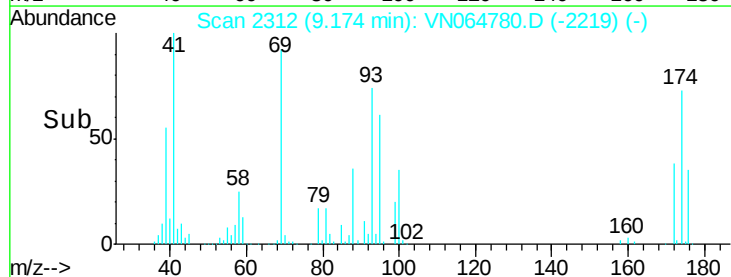
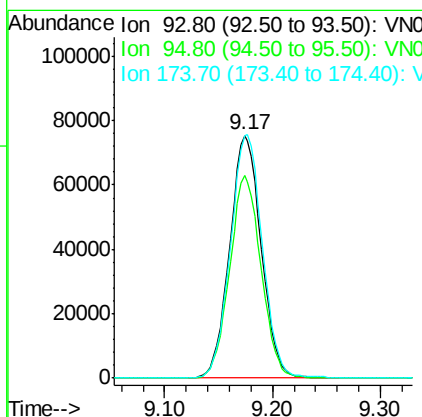
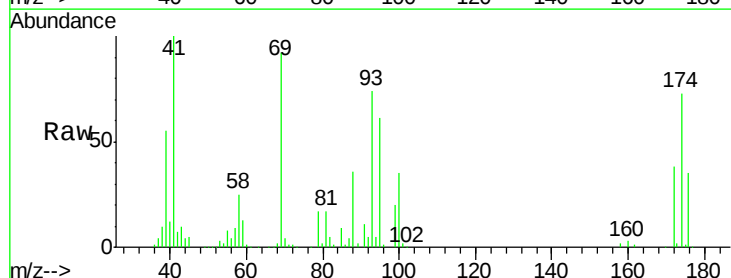
Manual Integrations
 APPROVED

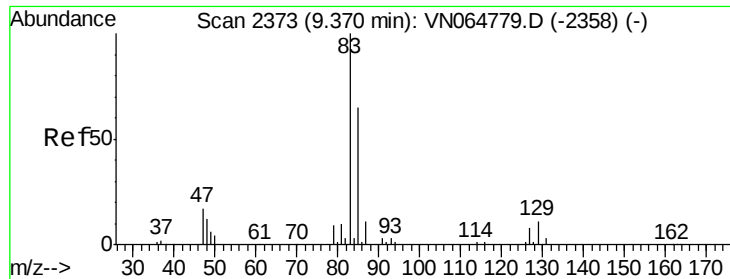
MMDadoda
 11/24/2020 3:01:13 PM



#46
 Dibromomethane
 Concen: 96.119 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN064780.D
 Acq: 23 Nov 2020 13:06

Tgt Ion: 93 Resp: 153550
 Ion Ratio Lower Upper
 93 100
 95 82.9 68.8 103.2
 174 101.6 83.1 124.7





#47

Bromodichloromethane

Concen: 92.420 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN064780.D

Acq: 23 Nov 2020 13:06

Instrument :

MSVOA_N

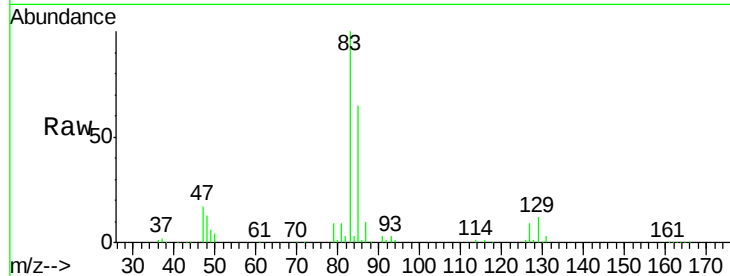
ClientSampleId :

VSTDIC100

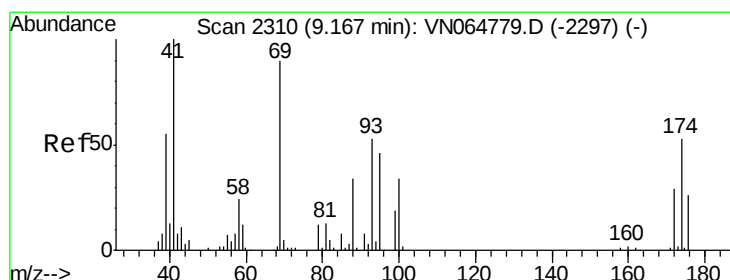
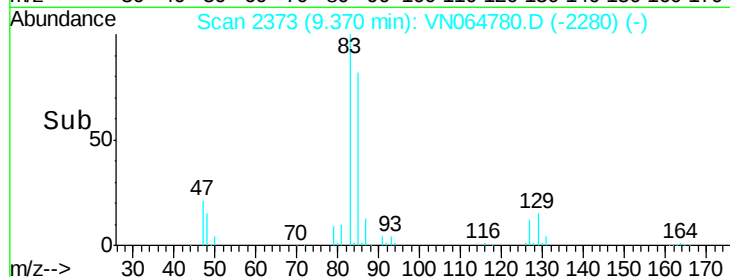
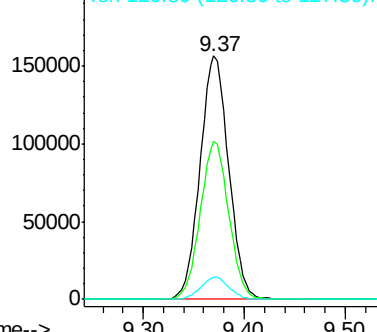
Tot Ion:	83	Resp:	309021
Ion Ratio	Lower	Upper	
83	100		
85	65.0	51.8	77.8
127	9.2	6.8	10.2

Manual Integrations
APPROVED

MMDadoda
11/24/2020 3:01:13 PM



Abundance Ion 82.90 (82.60 to 83.60): VN064780.D (-2280) (-)



#48

Methyl methacrylate

Concen: 94.149 ug/l

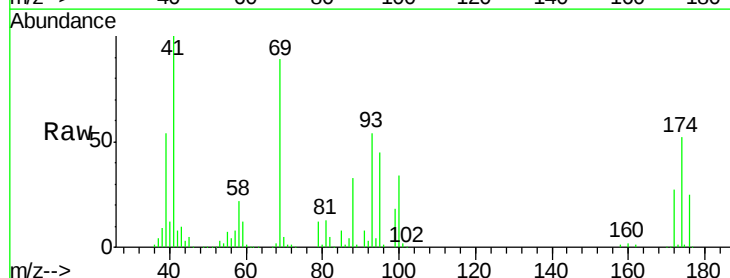
RT: 9.17 min Scan# 2310

Delta R.T. 0.00 min

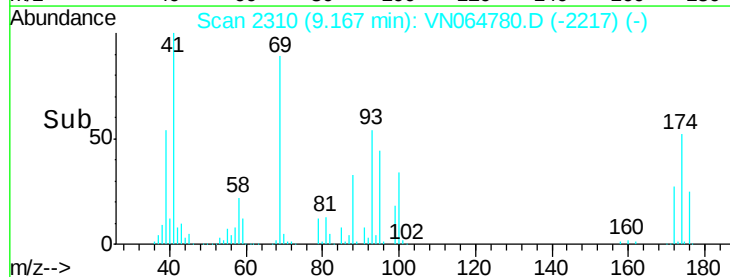
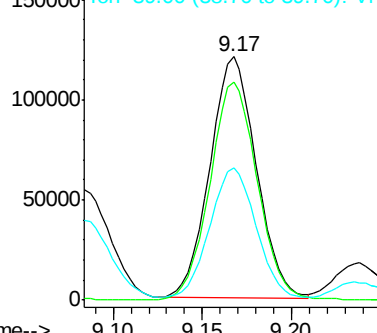
Lab File: VN064780.D

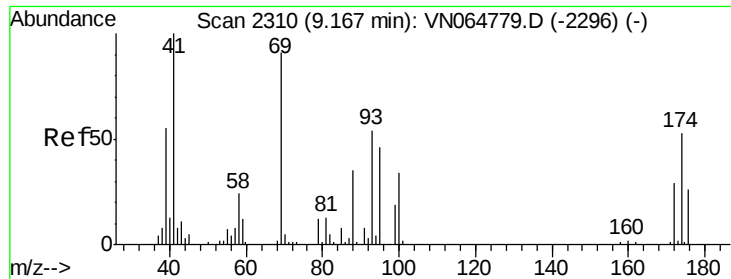
Acq: 23 Nov 2020 13:06

Tgt Ion:	41	Resp:	218607
Ion Ratio	Lower	Upper	
41	100		
69	93.1	71.8	107.8
39	55.9	44.1	66.1



Abundance Ion 41.00 (40.70 to 41.70): VN064780.D (-2217) (-)





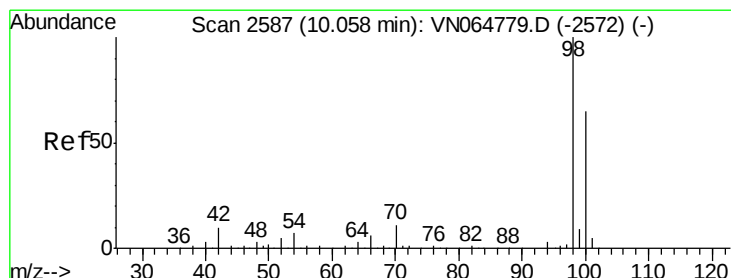
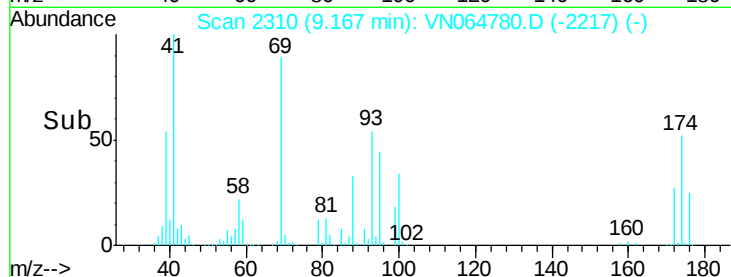
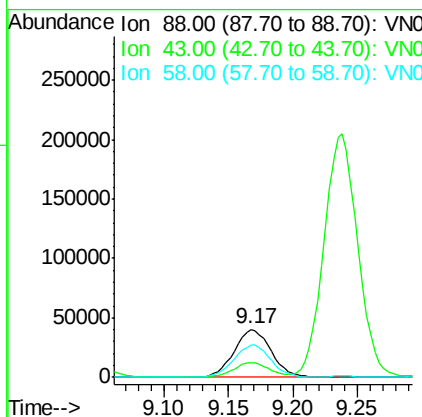
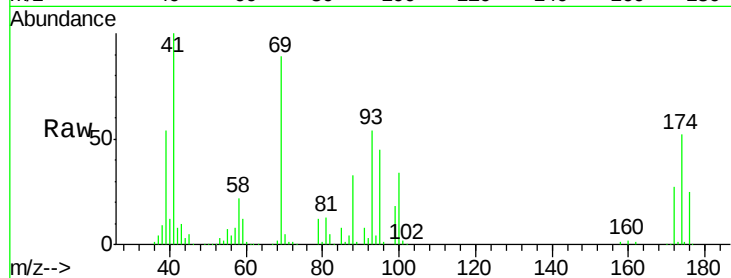
#49
 1,4-Dioxane
 Concen: 2574.767 ug/l
 RT: 9.17 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN064780.D
 Acq: 23 Nov 2020 13:06

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.1	24.2	36.4
58	67.2	52.5	78.7

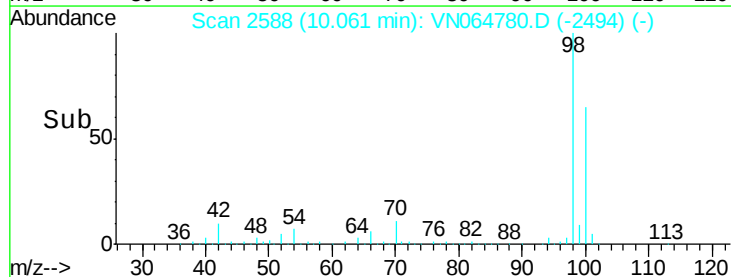
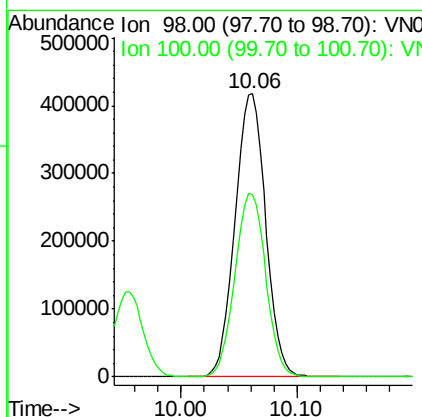
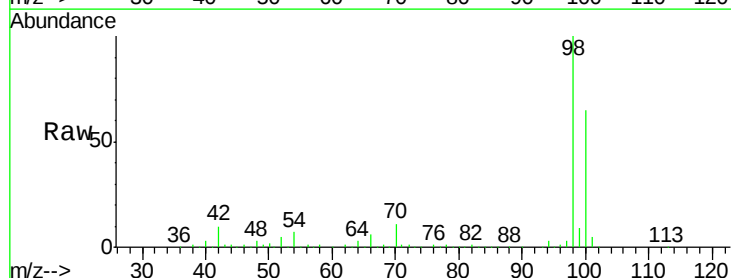
Manual Integrations
 APPROVED

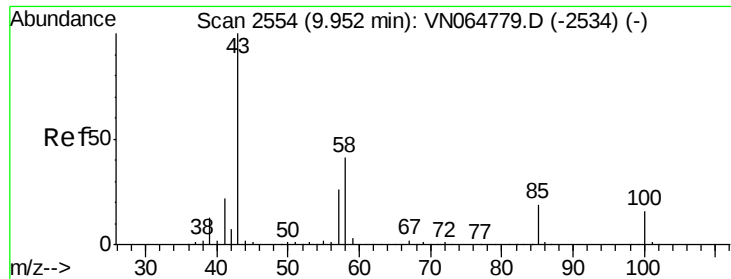
MMDadoda
 11/24/2020 3:01:13 PM



#50
 Toluene-d8
 Concen: 99.000 ug/l
 RT: 10.06 min Scan# 2588
 Delta R.T. 0.00 min
 Lab File: VN064780.D
 Acq: 23 Nov 2020 13:06

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 514.546 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN064780.D

Acq: 23 Nov 2020 13:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1383159

Ion Ratio Lower Upper

43 100

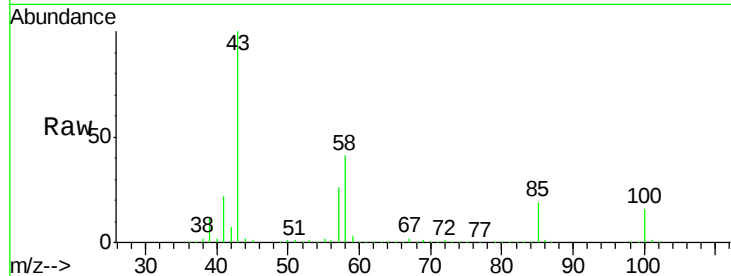
58 40.8 32.4 48.6

Manual Integrations

APPROVED

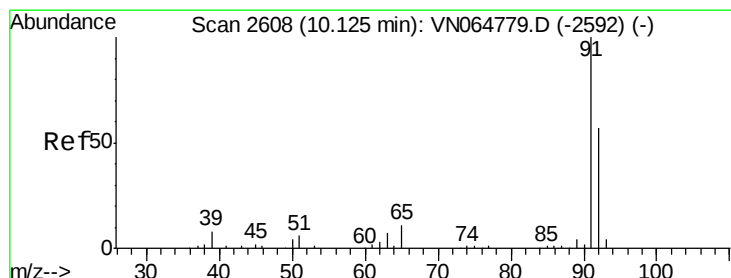
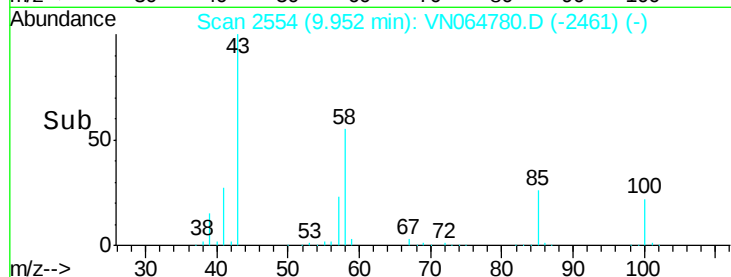
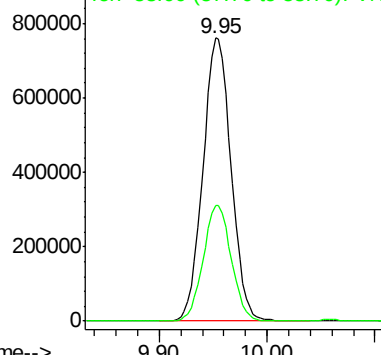
MMDadoda

11/24/2020 3:01:13 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 104.720 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN064780.D

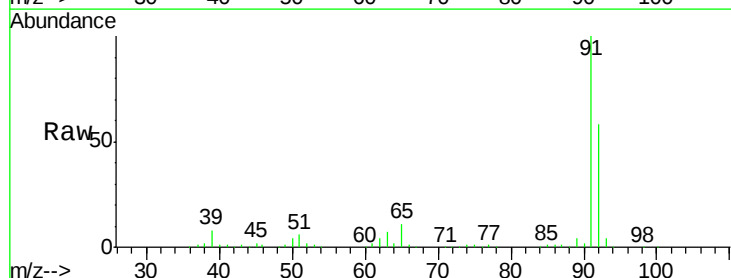
Acq: 23 Nov 2020 13:06

Tgt Ion: 92 Resp: 551884

Ion Ratio Lower Upper

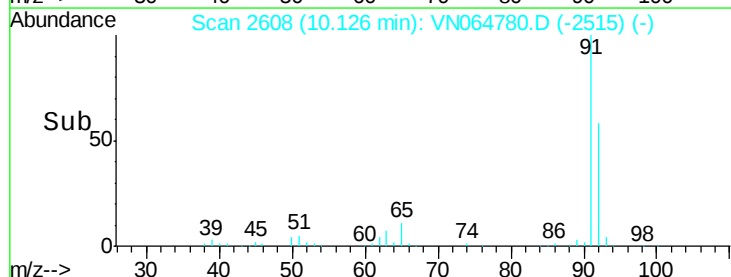
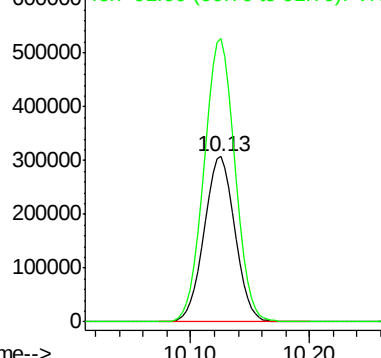
92 100

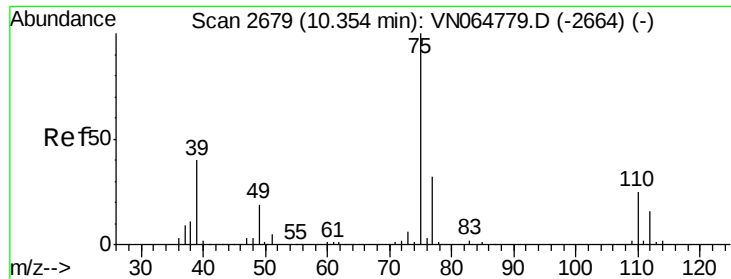
91 171.8 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





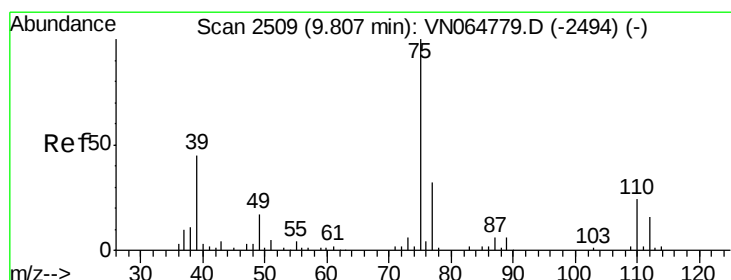
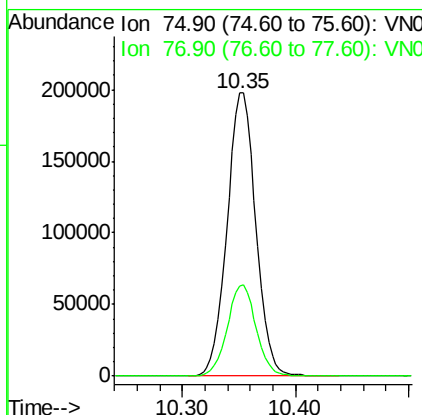
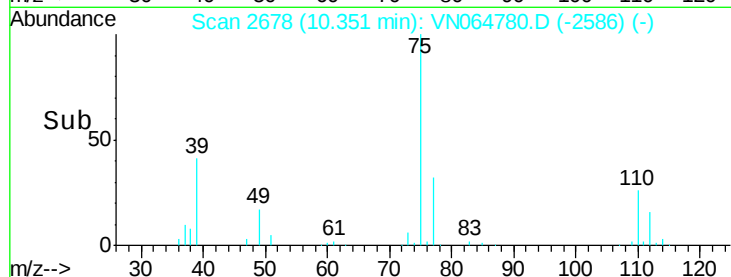
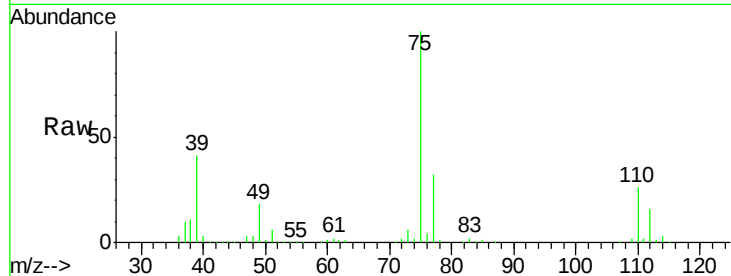
#53
t-1,3-Dichloropropene
Concen: 97.587 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VN064780.D
Acq: 23 Nov 2020 13:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 75 Resp: 349813
Ion Ratio Lower Upper
75 100
77 31.7 25.8 38.6

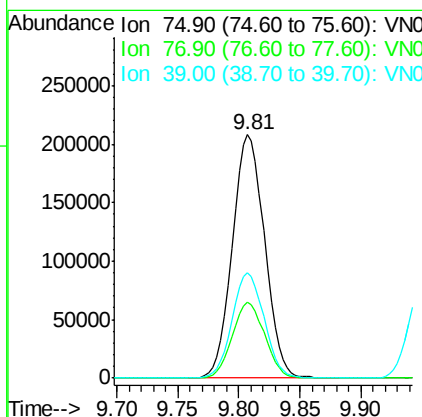
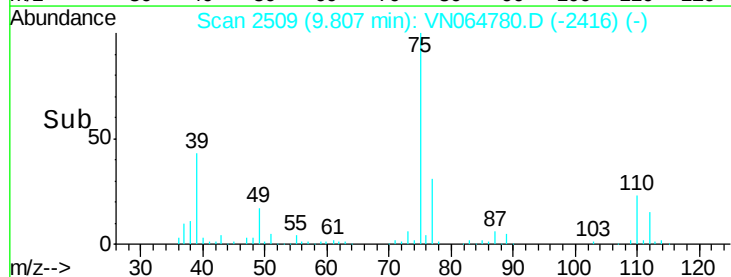
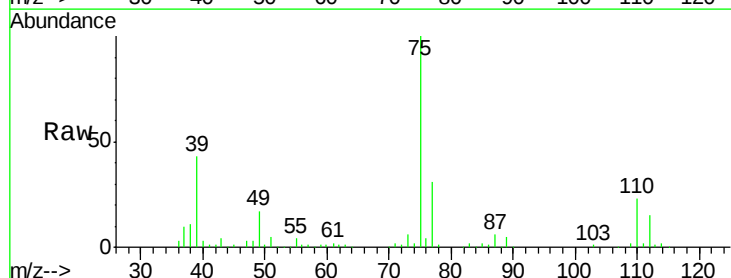
Manual Integrations
APPROVED

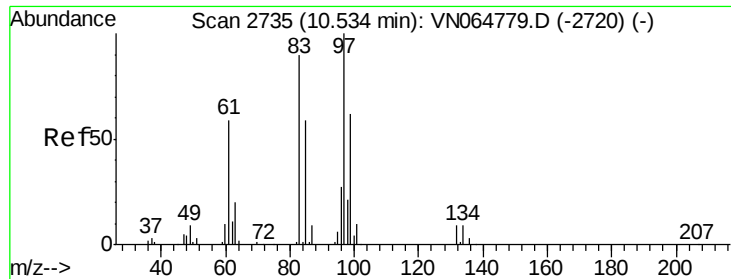
MMDadoda
11/24/2020 3:01:13 PM



#54
cis-1,3-Dichloropropene
Concen: 102.218 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN064780.D
Acq: 23 Nov 2020 13:06

Tgt Ion: 75 Resp: 382330
Ion Ratio Lower Upper
75 100
77 31.2 25.5 38.3
39 43.3 35.6 53.4





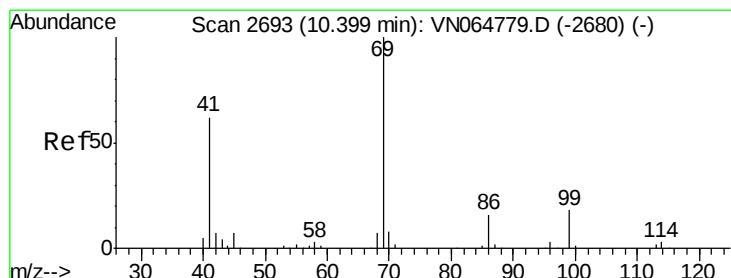
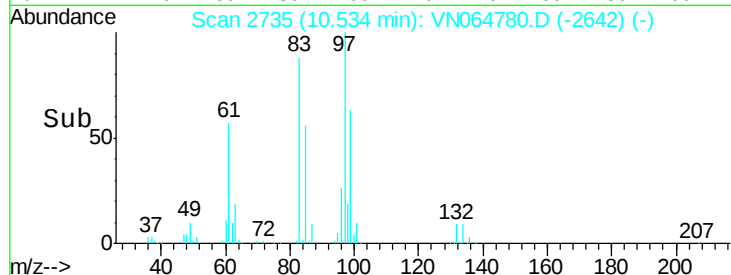
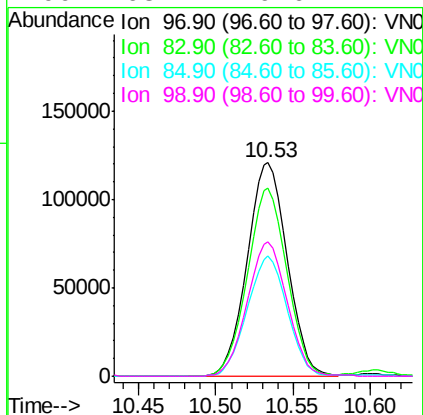
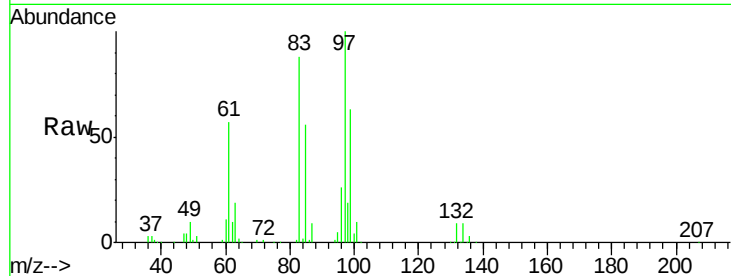
#55
 1,1,2-Trichloroethane
 Concen: 103.116 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN064780.D
 Acq: 23 Nov 2020 13:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		217881		
83	88.1	72.1	108.1		
85	56.2	46.8	70.2		
99	63.2	49.6	74.4		

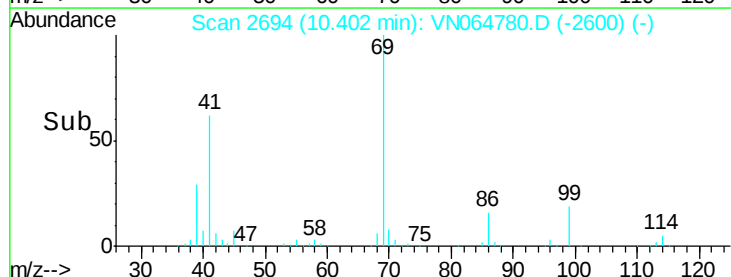
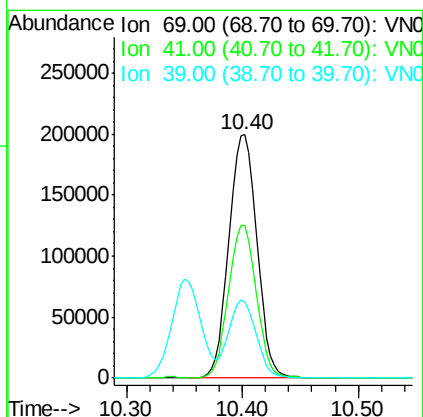
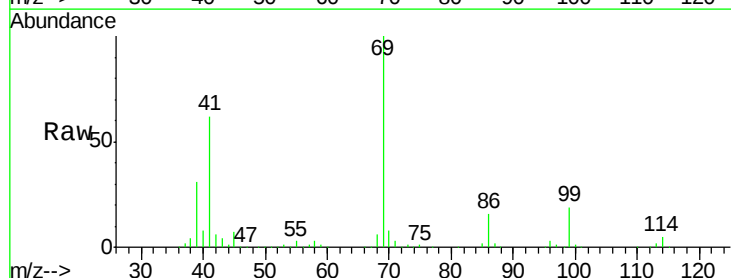
Manual Integrations
 APPROVED

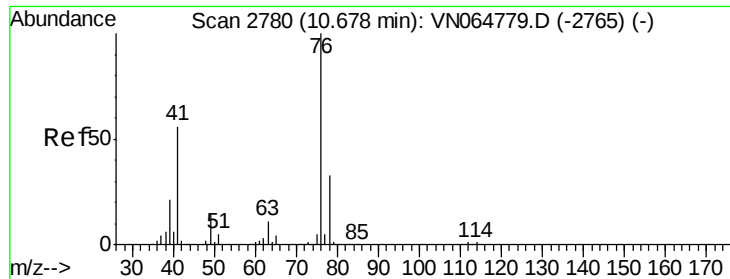
MMDadoda
 11/24/2020 3:01:13 PM



#56
 Ethyl methacrylate
 Concen: 113.231 ug/l
 RT: 10.40 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VN064780.D
 Acq: 23 Nov 2020 13:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		333951		
41	61.9	49.4	74.0		
39	31.5	25.9	38.9		





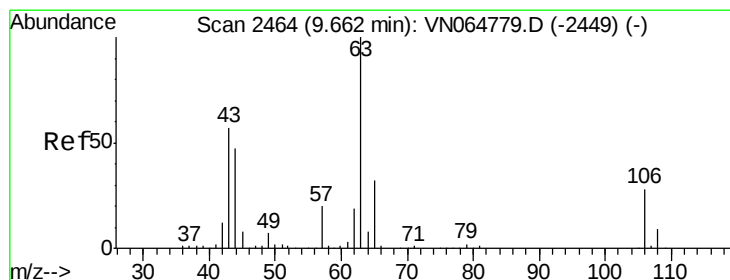
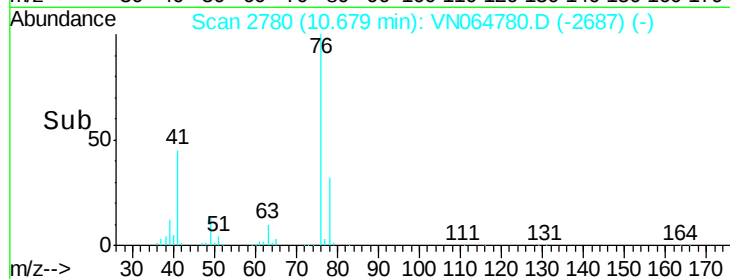
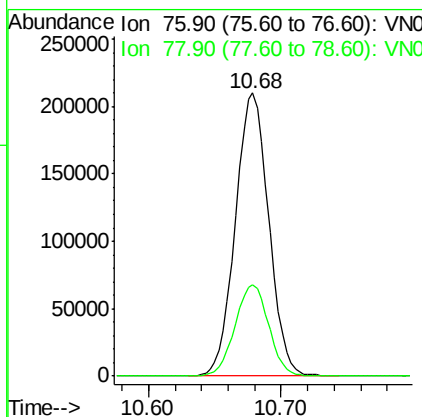
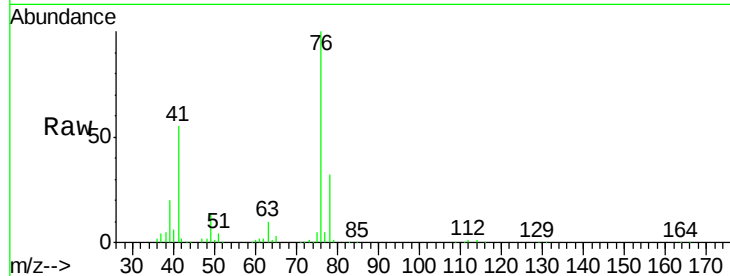
#57
 1,3-Dichloropropane
 Concen: 100.477 ug/l
 RT: 10.68 min Scan# 2780
 Delta R.T. 0.00 min
 Lab File: VN064780.D
 Acq: 23 Nov 2020 13:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	26.1	39.1

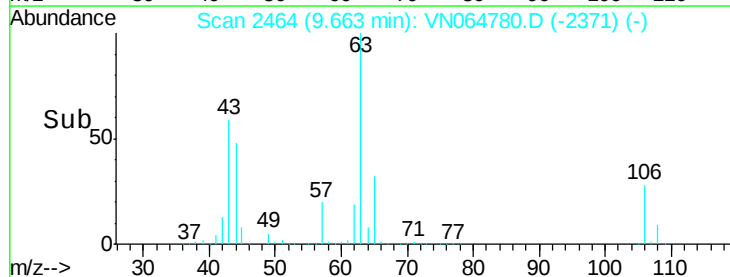
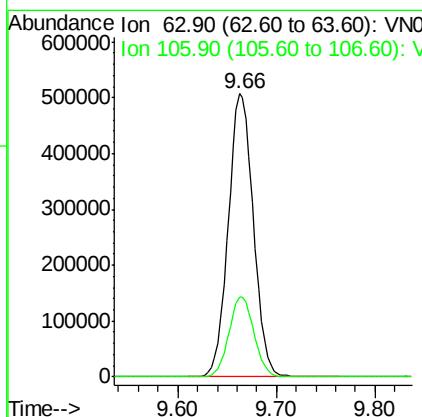
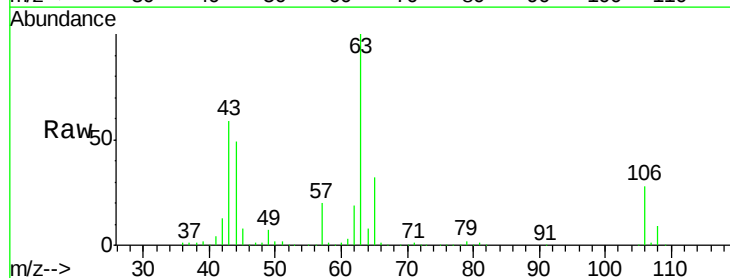
Manual Integrations
 APPROVED

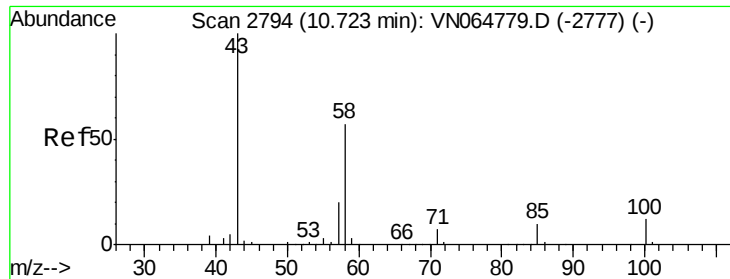
MMDadoda
 11/24/2020 3:01:13 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 554.826 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN064780.D
 Acq: 23 Nov 2020 13:06

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.3	22.7	34.1





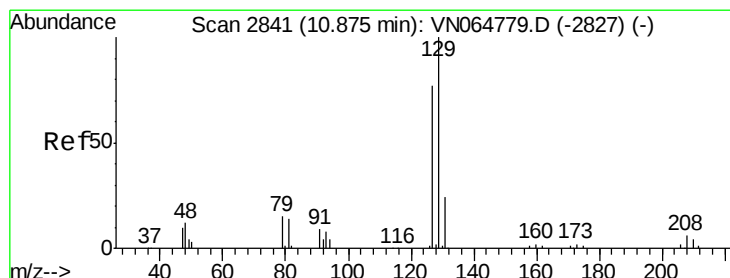
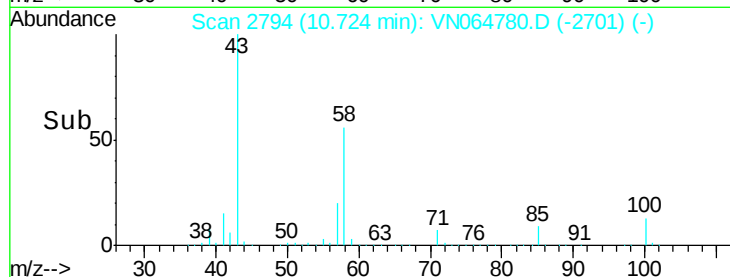
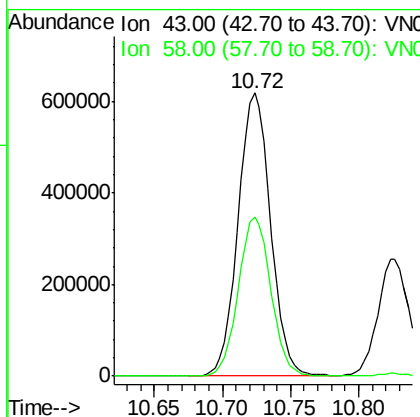
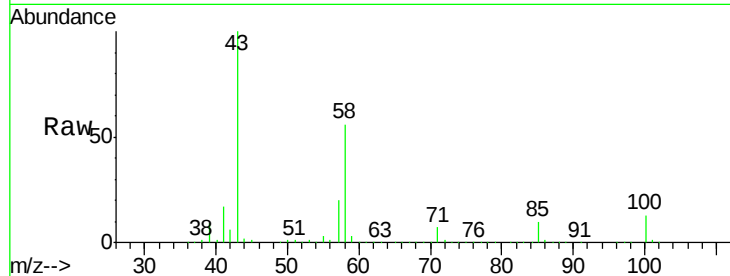
#59
2-Hexanone
Concen: 525.903 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064780.D
Acq: 23 Nov 2020 13:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tot Ion: 43 Resp: 1020803
Ion Ratio Lower Upper
43 100
58 56.5 28.3 84.9

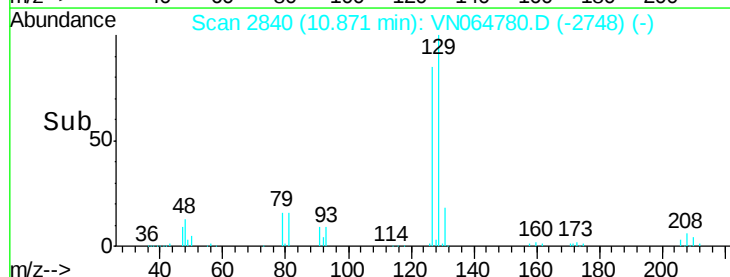
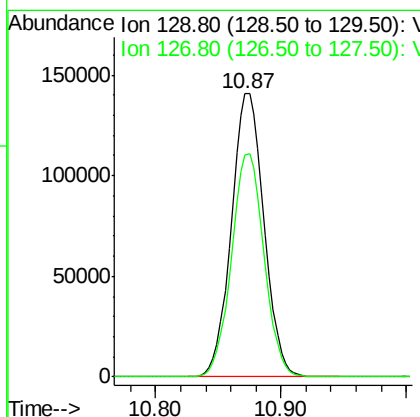
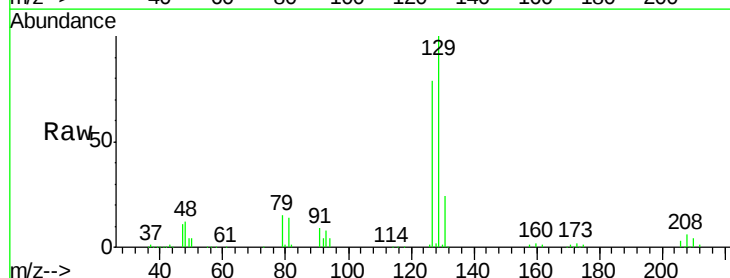
Manual Integrations
APPROVED

MMDadoda
11/24/2020 3:01:13 PM



#60
Dibromochloromethane
Concen: 103.748 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064780.D
Acq: 23 Nov 2020 13:06

Tgt Ion: 129 Resp: 254258
Ion Ratio Lower Upper
129 100
127 78.5 39.1 117.2





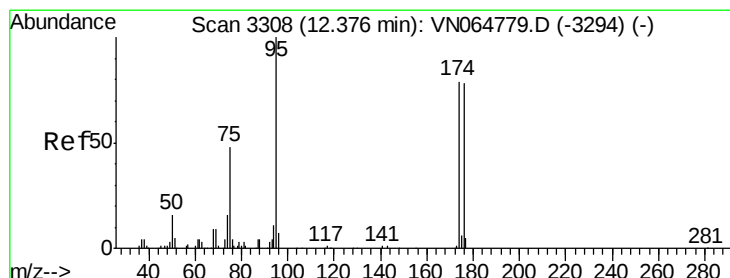
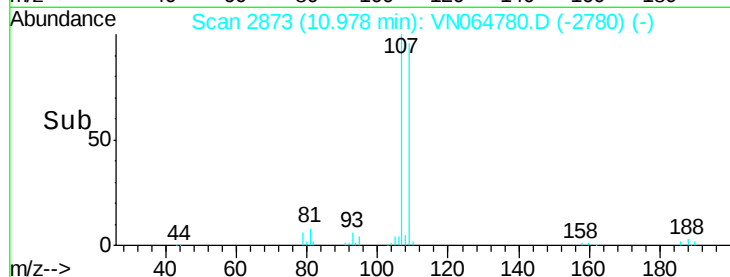
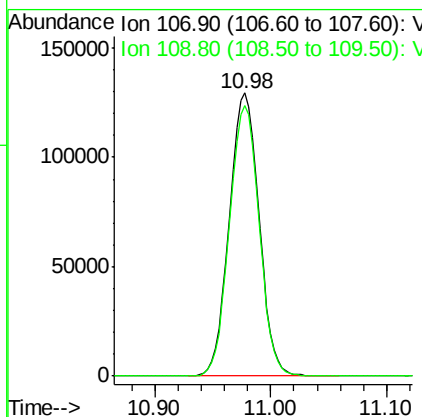
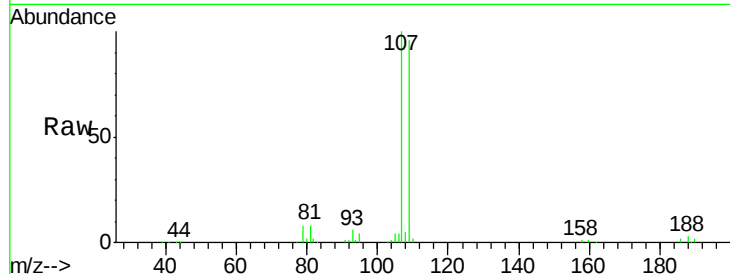
#61
 1,2-Dibromoethane
 Concen: 101.569 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN064780.D
 Acq: 23 Nov 2020 13:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
107	100	229369		
109	95.5	76.0	114.0	

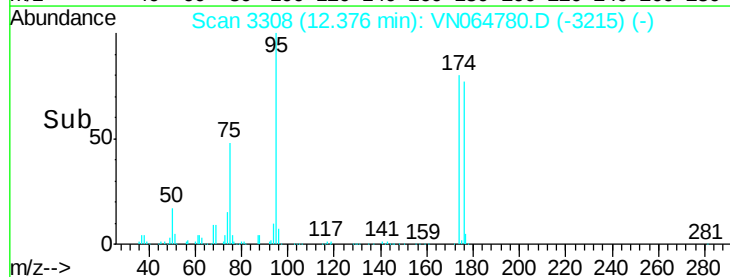
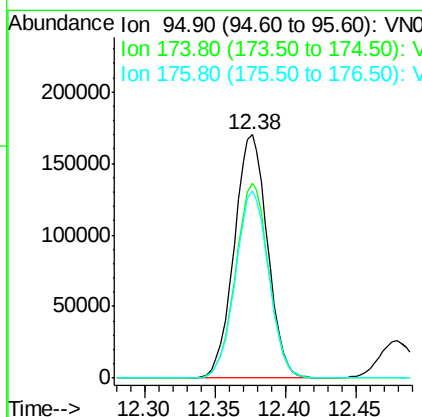
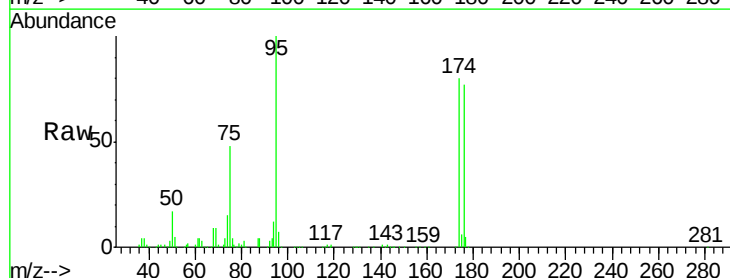
Manual Integrations
 APPROVED

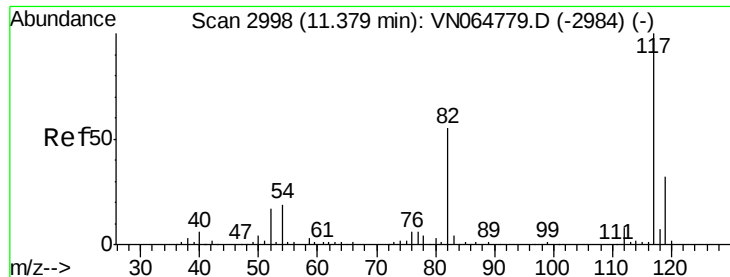
MMDadoda
 11/24/2020 3:01:13 PM



#62
 4-Bromofluorobenzene
 Concen: 98.611 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: VN064780.D
 Acq: 23 Nov 2020 13:06

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	281548		
174	79.8	0.0	160.4	
176	77.1	0.0	158.4	





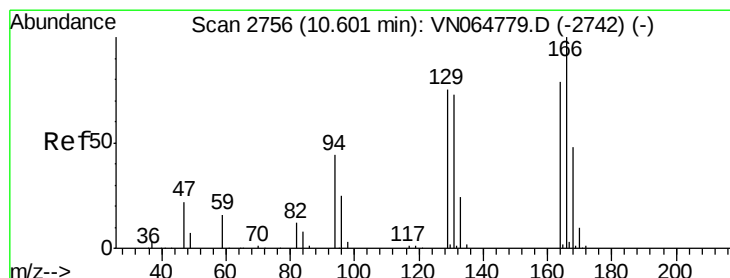
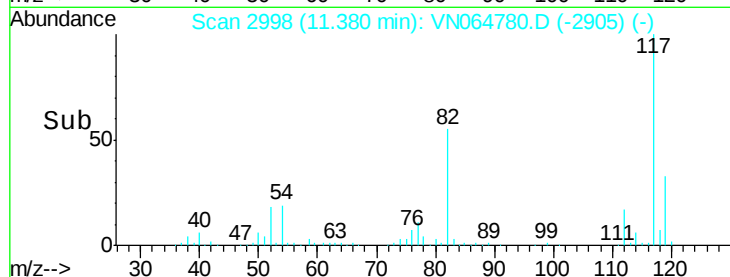
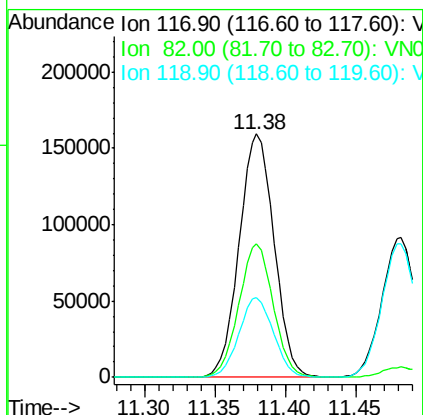
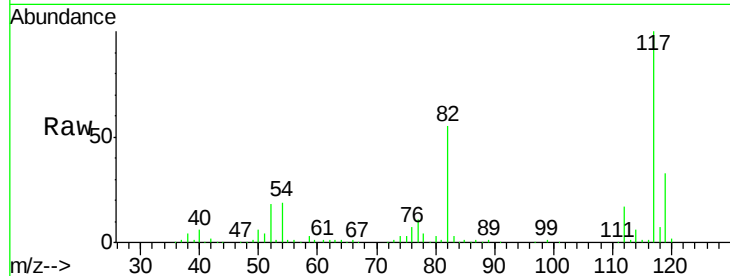
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064780.D
Acq: 23 Nov 2020 13:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.8	44.2	66.2
119	32.7	25.8	38.6

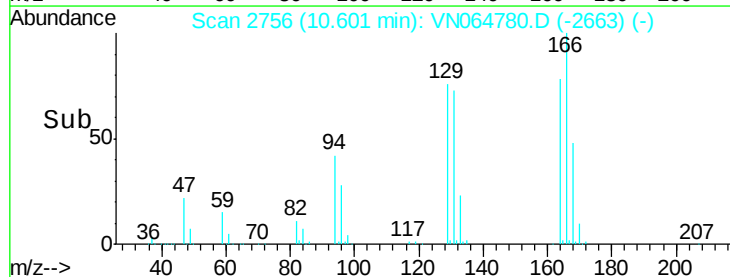
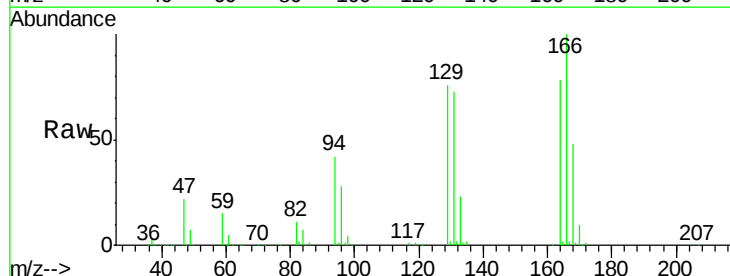
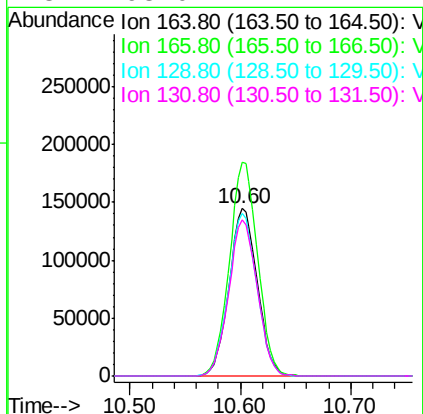
Manual Integrations
APPROVED

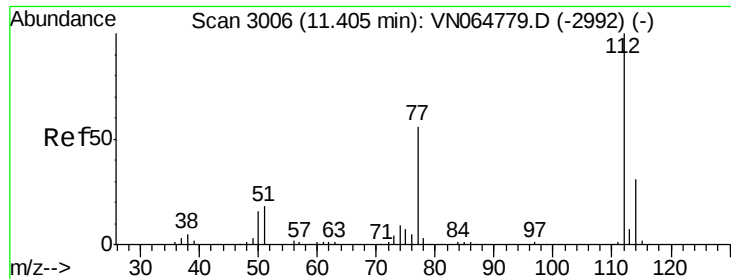
MMDadoda
11/24/2020 3:01:13 PM



#64
Tetrachloroethene
Concen: 103.206 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064780.D
Acq: 23 Nov 2020 13:06

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.6	101.4	152.0
129	97.3	76.1	114.1
131	93.0	74.2	111.2





#65

Chlorobenzene

Concen: 103.364 ug/l

RT: 11.41 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VN064780.D

Acq: 23 Nov 2020 13:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:112 Resp: 606062

Ion Ratio Lower Upper

112 100

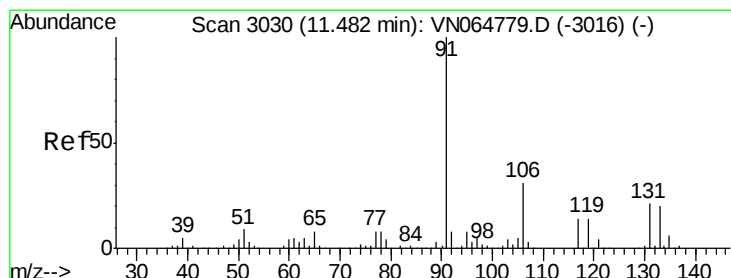
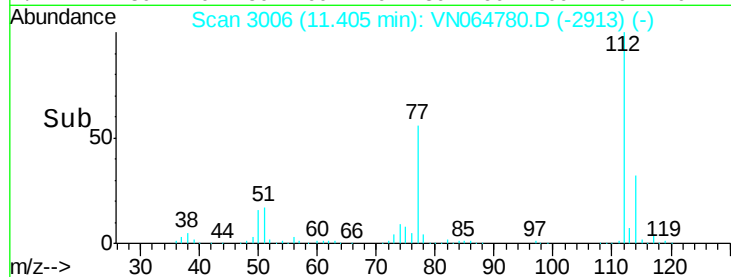
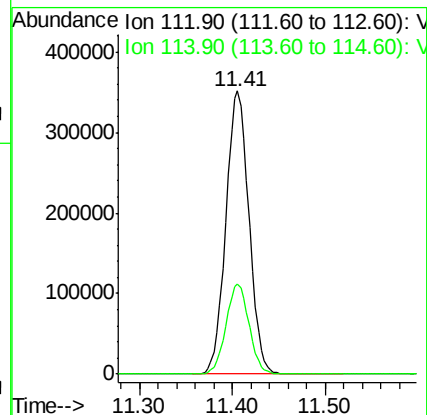
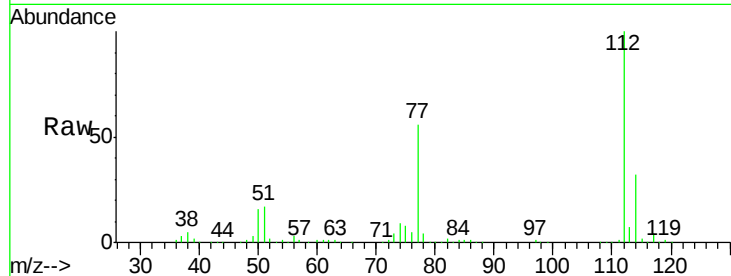
114 32.0 25.1 37.7

Manual Integrations

APPROVED

MMDadoda

11/24/2020 3:01:13 PM



#66

1,1,1,2-Tetrachloroethane

Concen: 103.718 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. 0.00 min

Lab File: VN064780.D

Acq: 23 Nov 2020 13:06

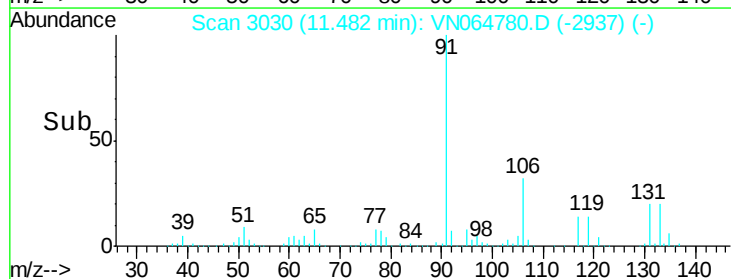
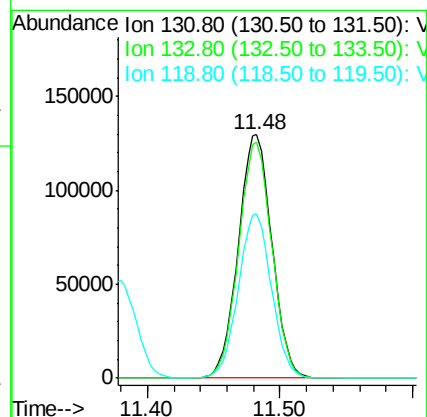
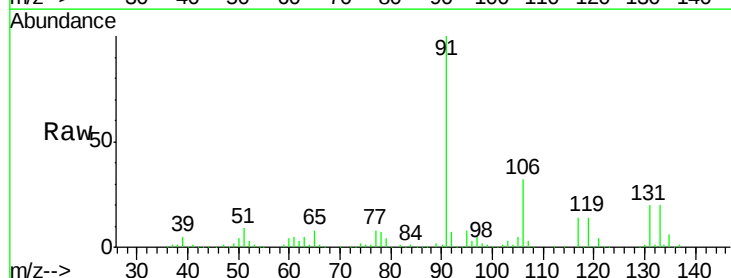
Tgt Ion:131 Resp: 228319

Ion Ratio Lower Upper

131 100

133 95.8 47.5 142.5

119 66.6 33.3 99.8





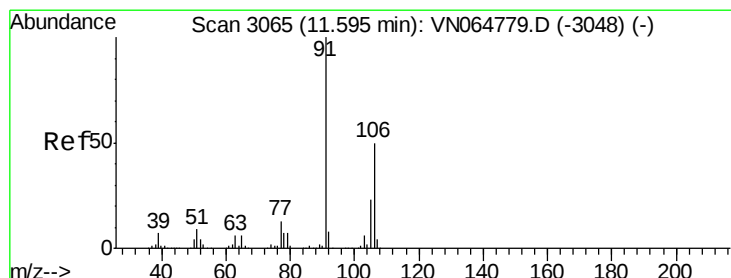
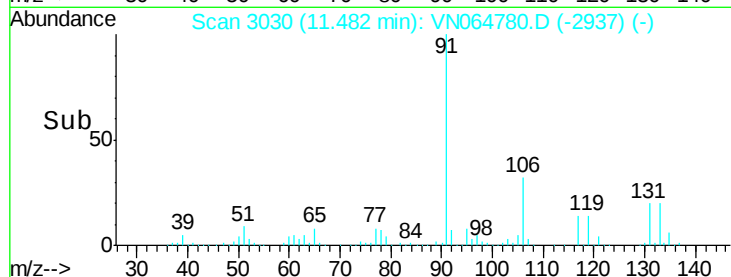
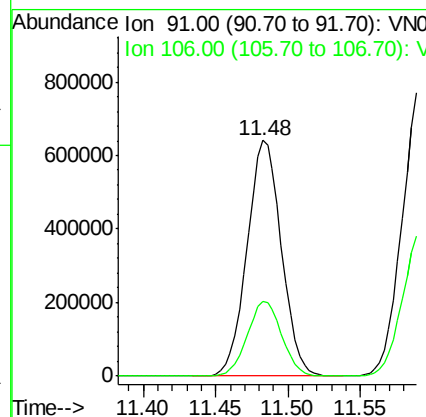
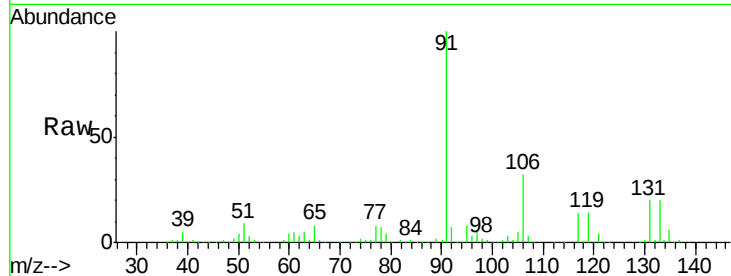
#67
Ethyl Benzene
Concen: 102.684 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064780.D
Acq: 23 Nov 2020 13:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1055958
Ion Ratio Lower Upper
91 100
106 31.9 25.2 37.8

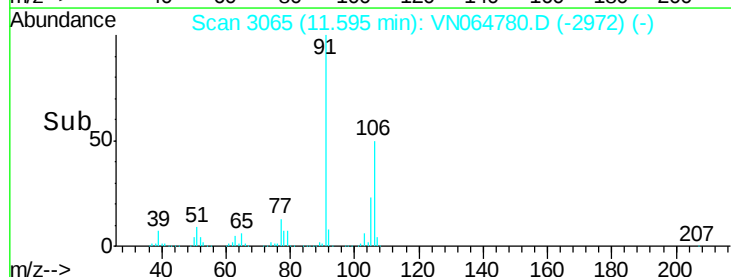
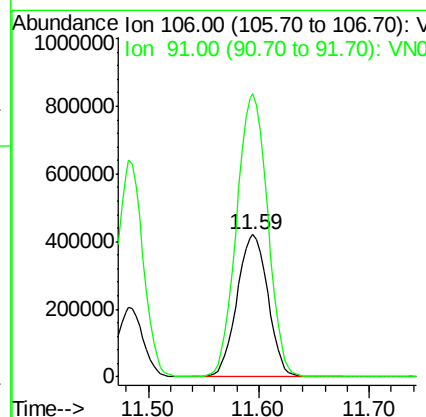
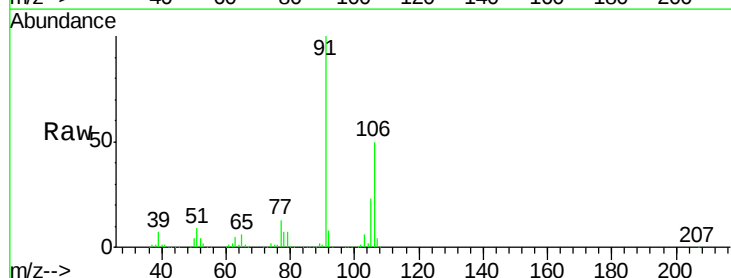
Manual Integrations
APPROVED

MMDadoda
11/24/2020 3:01:13 PM



#68
m/p-Xylenes
Concen: 220.026 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN064780.D
Acq: 23 Nov 2020 13:06

Tgt Ion: 106 Resp: 817732
Ion Ratio Lower Upper
106 100
91 199.6 161.0 241.4





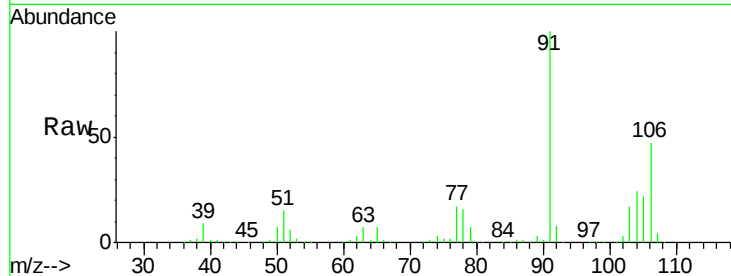
#69
o-Xylene
Concen: 107.605 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN064780.D
Acq: 23 Nov 2020 13:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

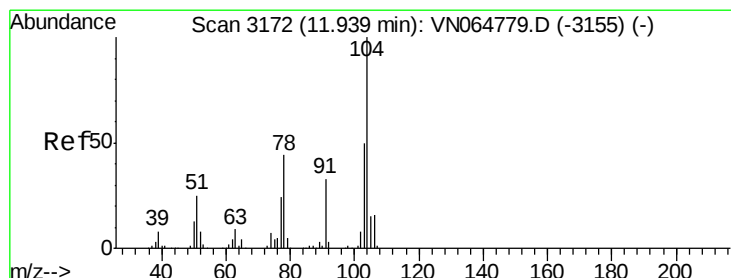
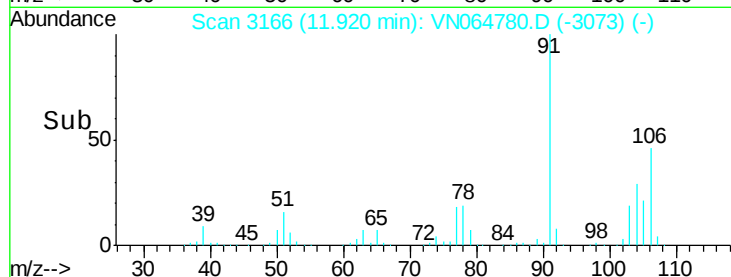
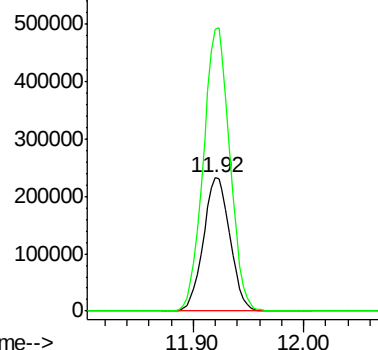
Tot Ion:106 Resp: 388218
Ion Ratio Lower Upper
106 100
91 212.0 105.5 316.5

Manual Integrations
APPROVED

MMDadoda
11/24/2020 3:01:13 PM

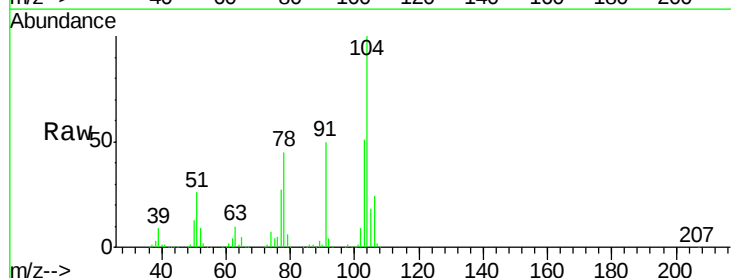


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

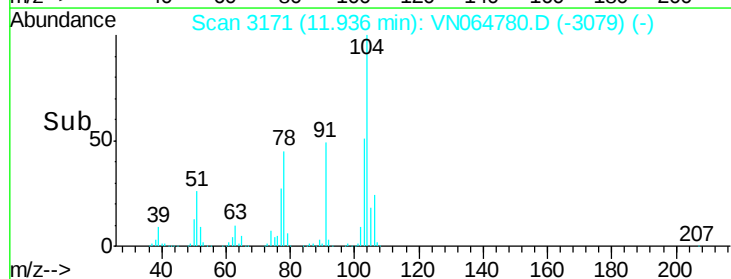
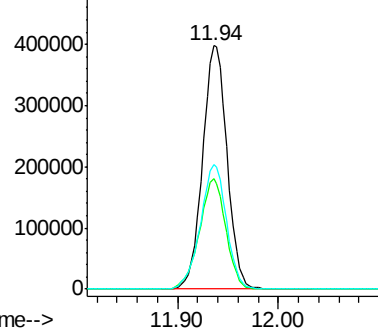


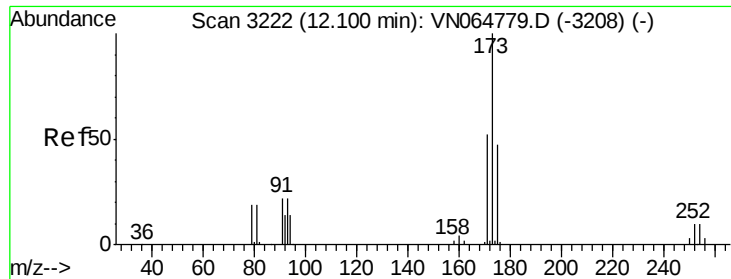
#70
Styrene
Concen: 110.482 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064780.D
Acq: 23 Nov 2020 13:06

Tgt Ion:104 Resp: 674918
Ion Ratio Lower Upper
104 100
78 48.7 39.0 58.6
103 54.4 44.3 66.5



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





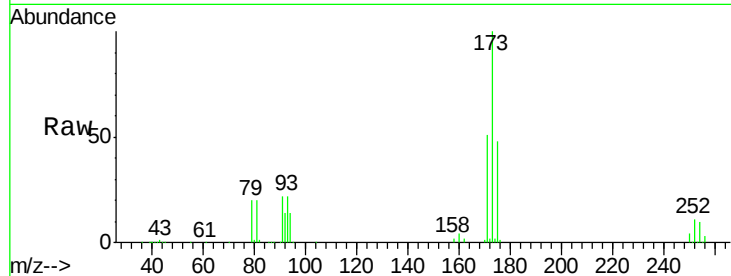
#71
Bromoform
Concen: 118.330 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN064780.D
Acq: 23 Nov 2020 13:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

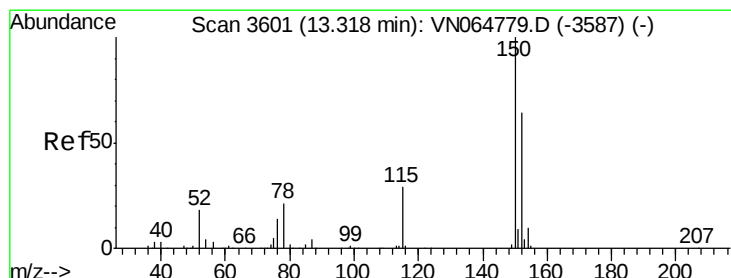
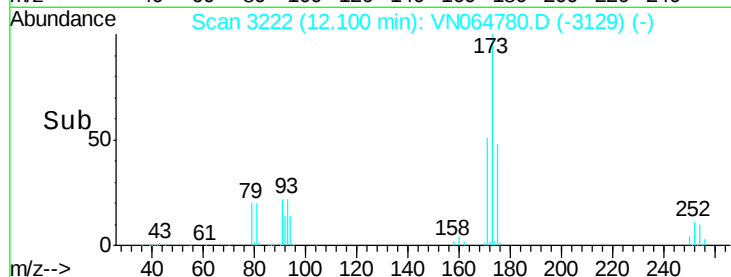
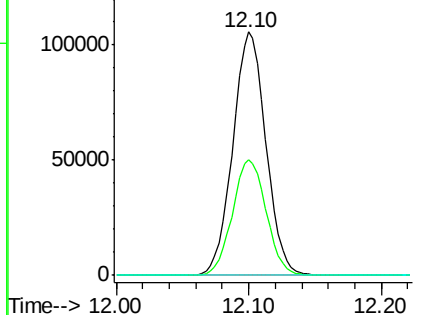
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.3	72.8
254	0.1	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
11/24/2020 3:01:13 PM

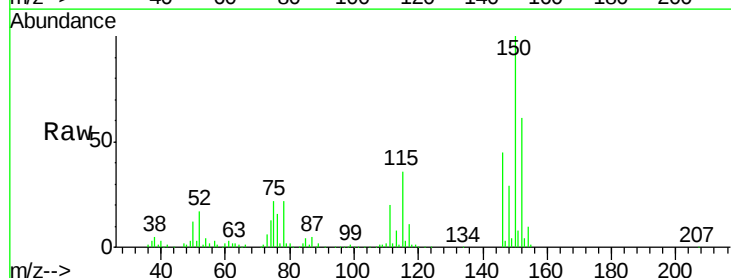


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

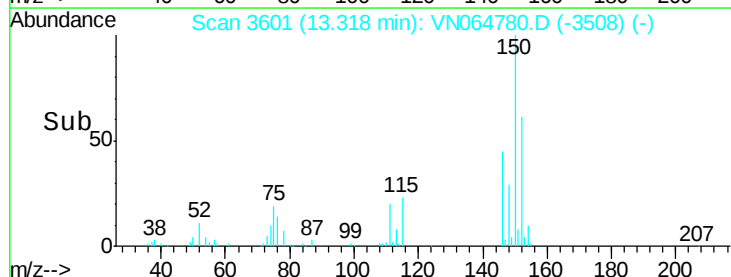
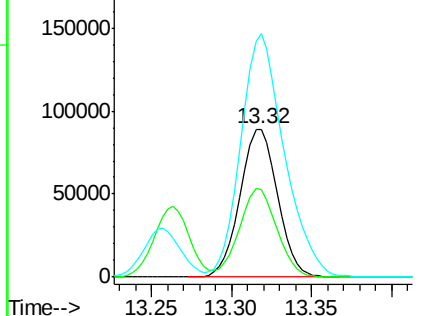


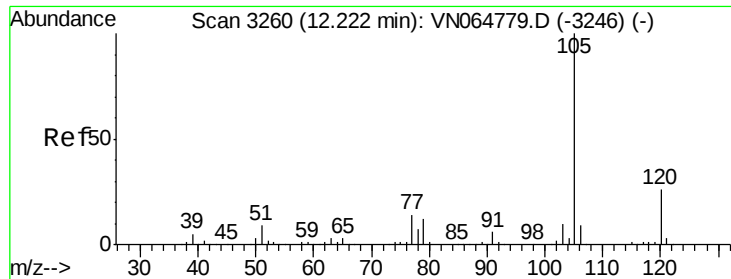
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN064780.D
Acq: 23 Nov 2020 13:06

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.2	29.7	89.1
150	191.0	0.0	350.6



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





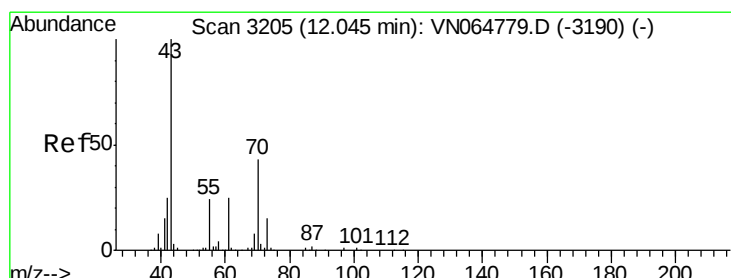
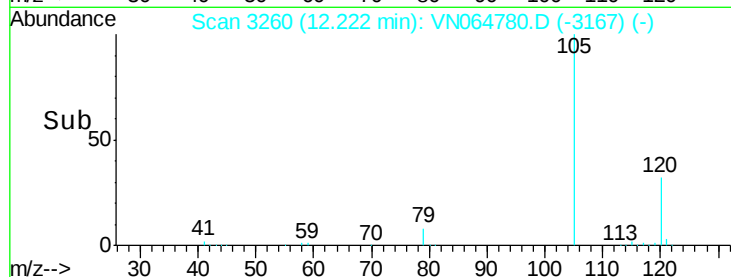
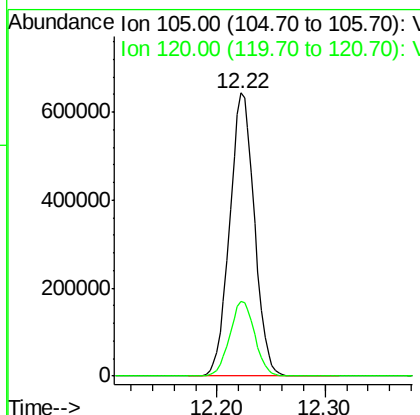
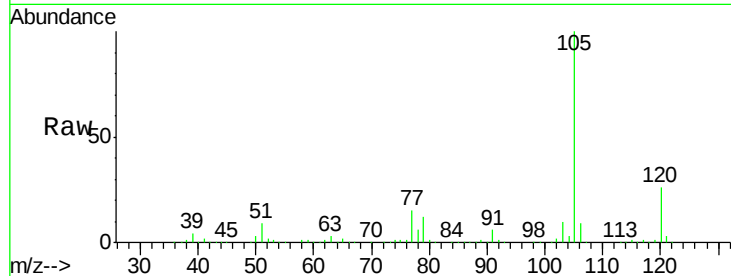
#73
Isopropylbenzene
Concen: 102.158 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. 0.00 min
Lab File: VN064780.D
Acq: 23 Nov 2020 13:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:105 Resp: 1029593
Ion Ratio Lower Upper
105 100
120 26.6 13.3 39.9

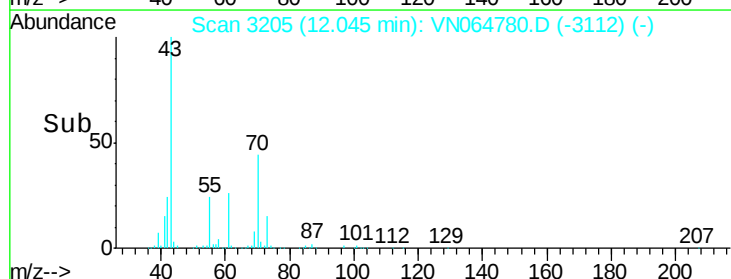
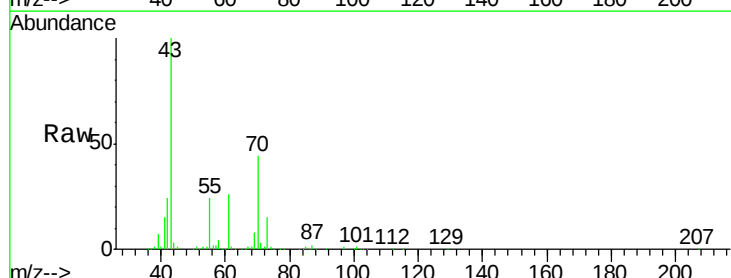
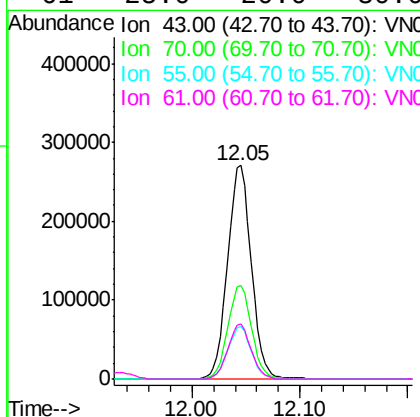
Manual Integrations
APPROVED

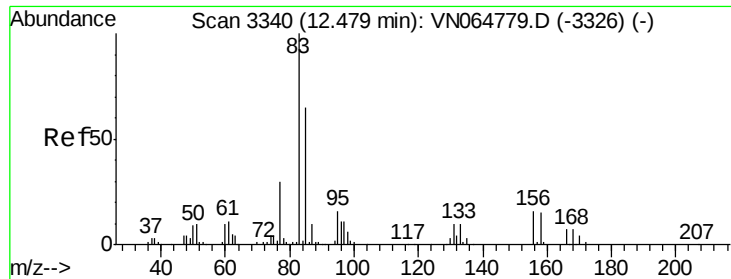
MMDadoda
11/24/2020 3:01:13 PM



#74
N-ethyl acetate
Concen: 90.888 ug/l
RT: 12.05 min Scan# 3205
Delta R.T. 0.00 min
Lab File: VN064780.D
Acq: 23 Nov 2020 13:06

Tgt Ion: 43 Resp: 416865
Ion Ratio Lower Upper
43 100
70 43.8 34.5 51.7
55 24.4 20.4 30.6
61 25.0 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 101.334 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN064780.D

Acq: 23 Nov 2020 13:06

Instrument :

MSVOA_N

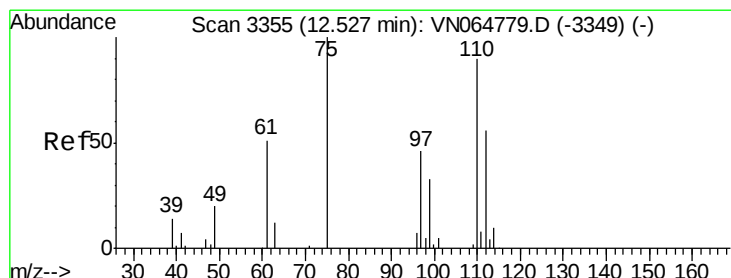
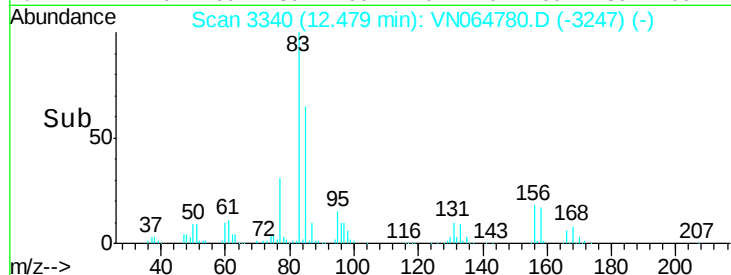
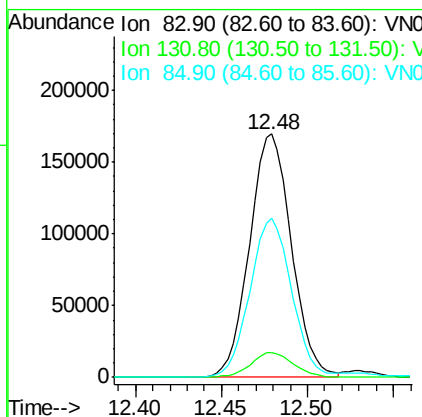
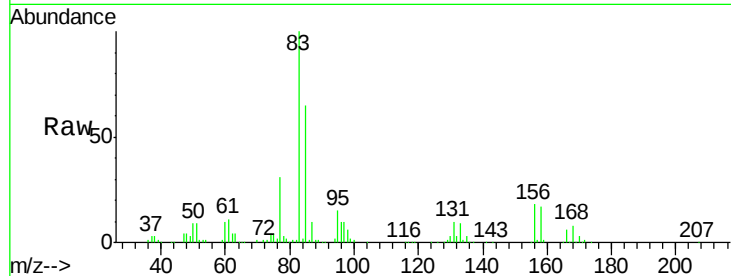
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	286897
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.1	15.3
85	64.9	33.0	99.0

Manual Integrations
APPROVED

MMDadoda
11/24/2020 3:01:13 PM



#76

1,2,3-Trichloropropane

Concen: 92.714 ug/l m

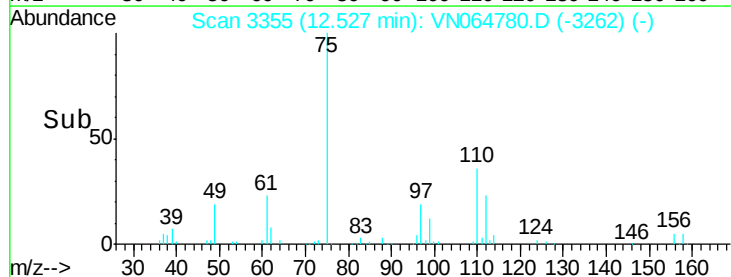
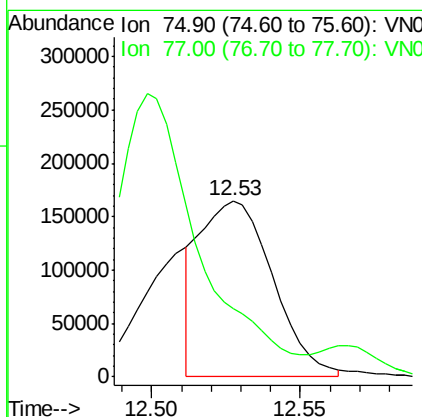
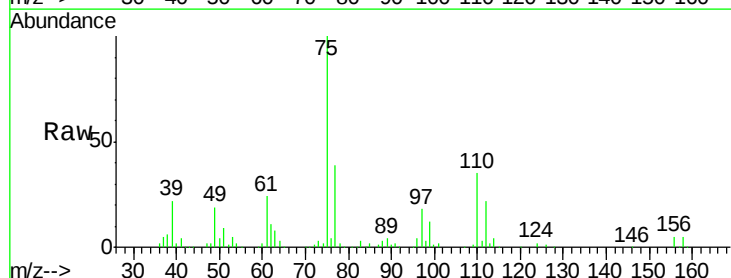
RT: 12.53 min Scan# 3355

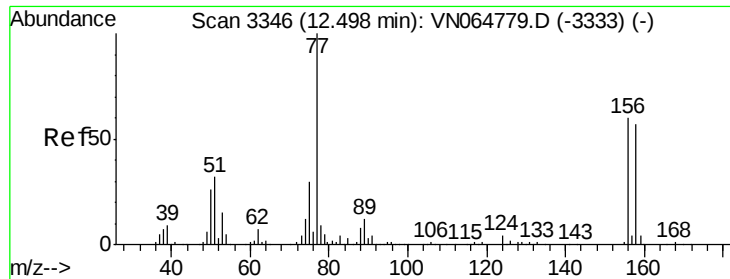
Delta R.T. 0.00 min

Lab File: VN064780.D

Acq: 23 Nov 2020 13:06

Tgt Ion:	75	Resp:	283718
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 101.435 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064780.D

Acq: 23 Nov 2020 13:06

Instrument :

MSVOA_N

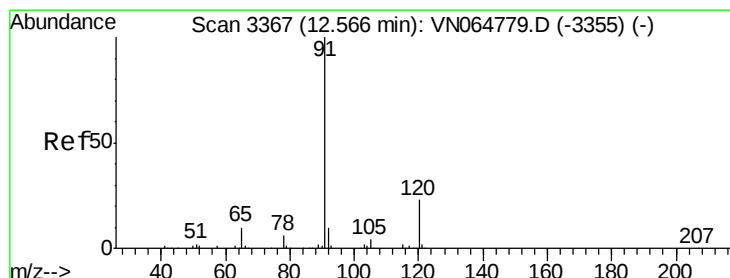
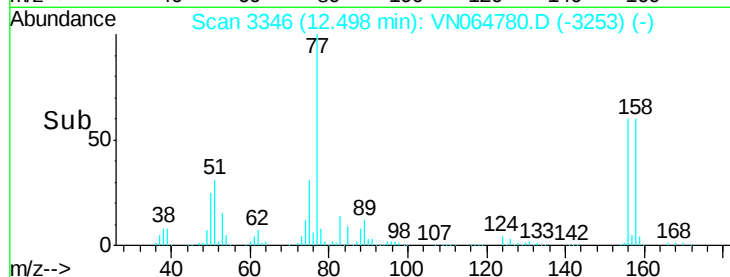
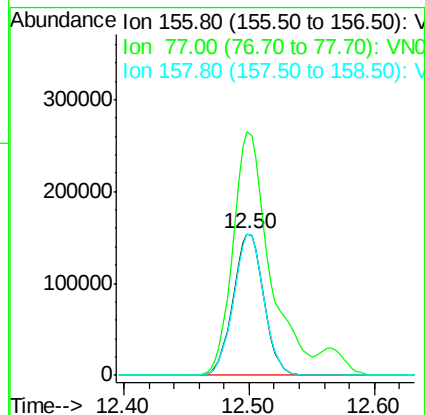
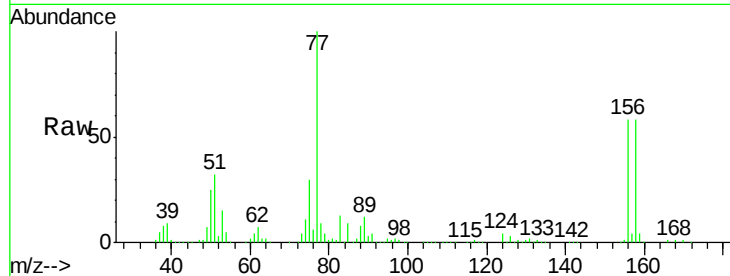
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Lower	Upper
156	100		
77	205.7	101.3	303.7
158	98.8	48.2	144.6

Manual Integrations
APPROVED

MMDadoda
11/24/2020 3:01:13 PM



#78

n-propylbenzene

Concen: 102.019 ug/l

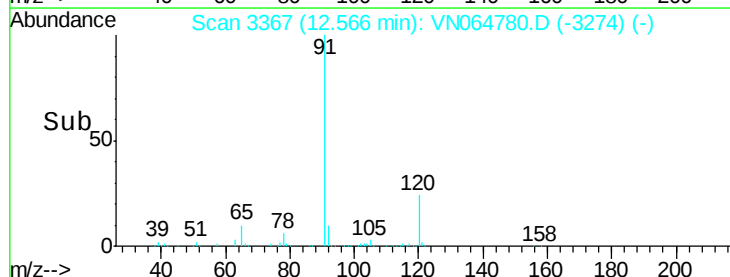
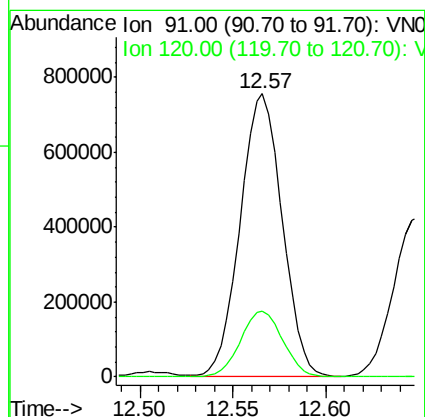
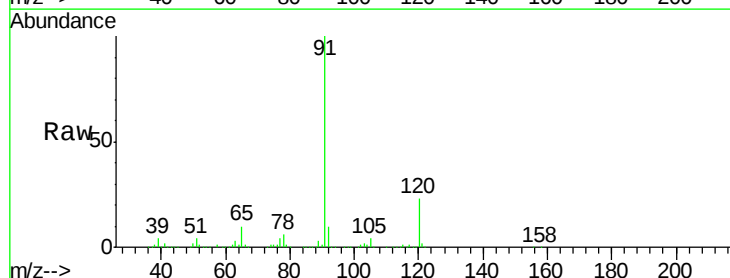
RT: 12.57 min Scan# 3367

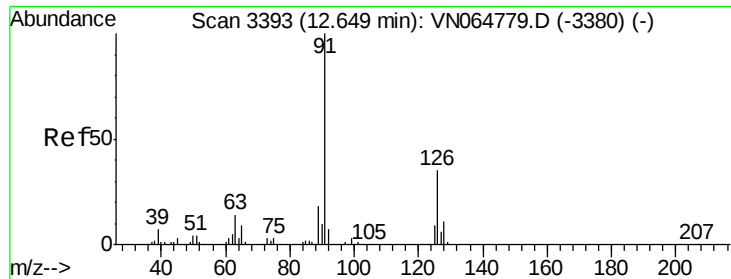
Delta R.T. 0.00 min

Lab File: VN064780.D

Acq: 23 Nov 2020 13:06

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.4	11.6	34.7





#79

2-Chlorotoluene

Concen: 94.668 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN064780.D

Acq: 23 Nov 2020 13:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 704504

Ion Ratio Lower Upper

91 100

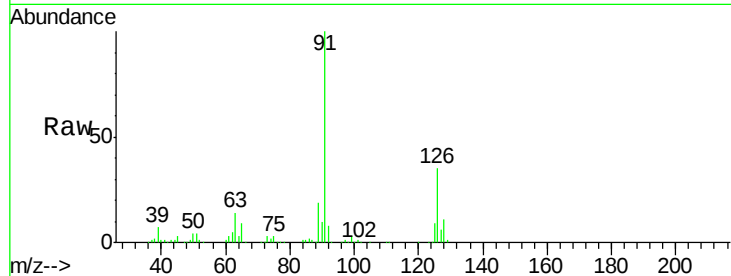
126 34.7 17.2 51.6

Manual Integrations

APPROVED

MMDadoda

11/24/2020 3:01:13 PM



Abundance Ion 91.00 (90.70 to 91.70): VN064779.D (-3380) (-)

Ion 125.90 (125.60 to 126.60): VN064779.D (-3380) (-)

600000

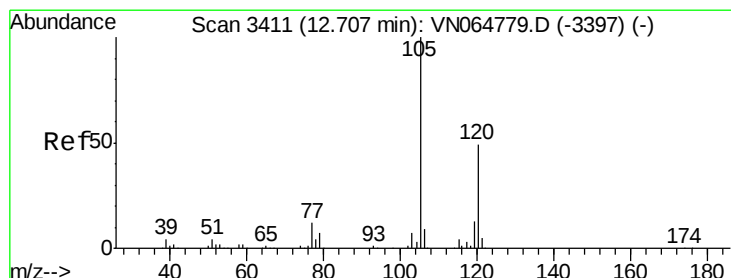
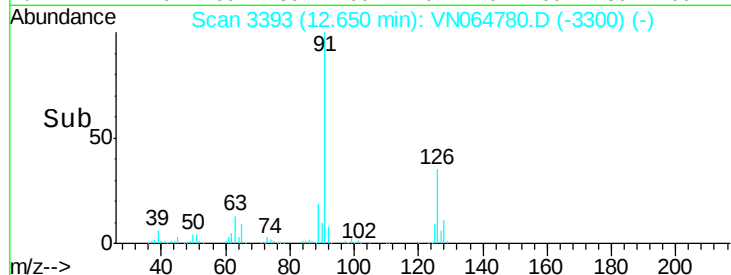
400000

200000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 106.008 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064780.D

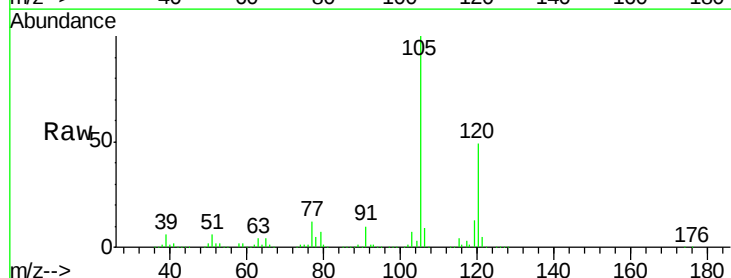
Acq: 23 Nov 2020 13:06

Tgt Ion: 105 Resp: 886553

Ion Ratio Lower Upper

105 100

120 49.2 24.6 73.6



Abundance Ion 105.00 (104.70 to 105.70): VN064779.D (-3397) (-)

Ion 120.00 (119.70 to 120.70): VN064779.D (-3397) (-)

600000

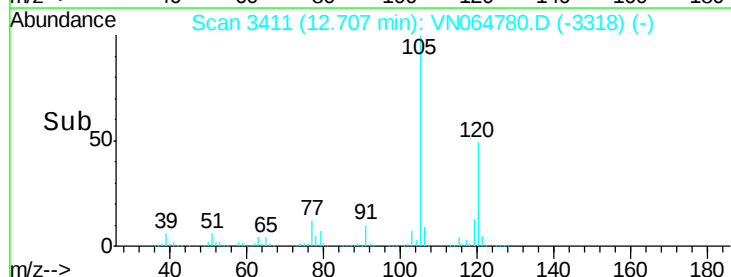
400000

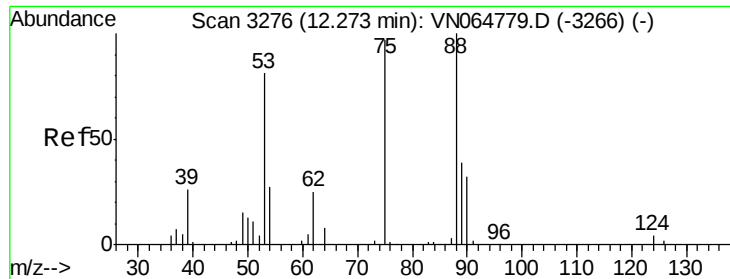
200000

0

12.60 12.70 12.80

Time-->





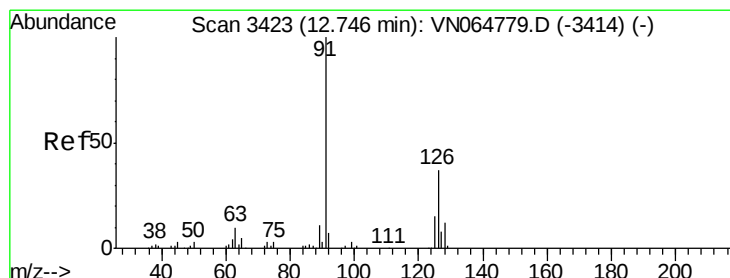
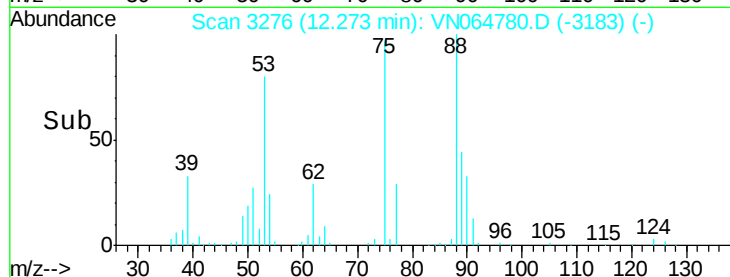
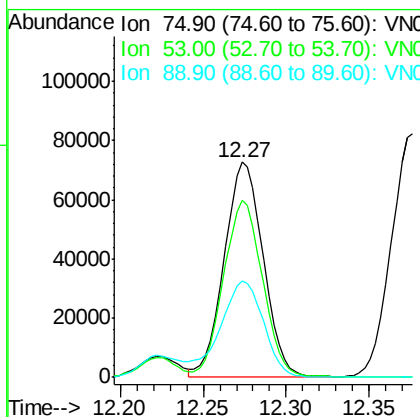
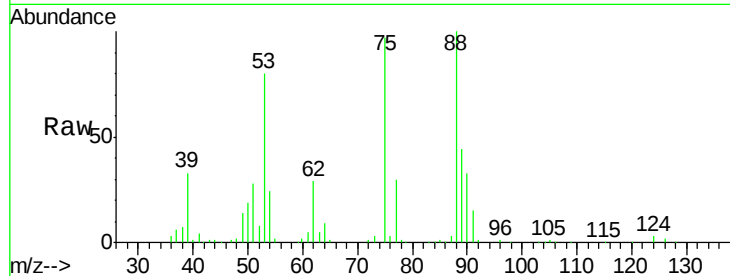
#81
trans-1,4-Dichloro-2-butene
Concen: 107.983 ug/l
RT: 12.27 min Scan# 3276
Delta R.T. 0.00 min
Lab File: VN064780.D
Acq: 23 Nov 2020 13:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	82.0	67.0	100.4
89	49.3	39.6	59.4

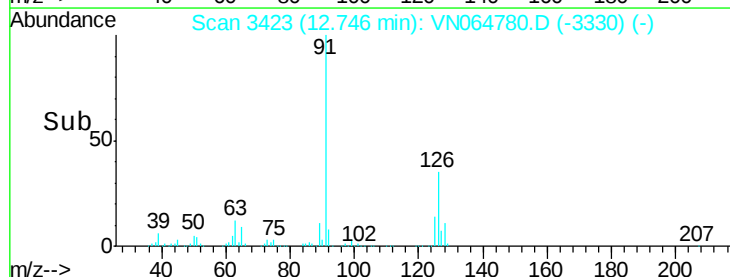
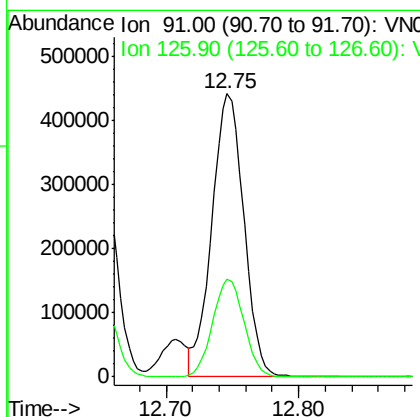
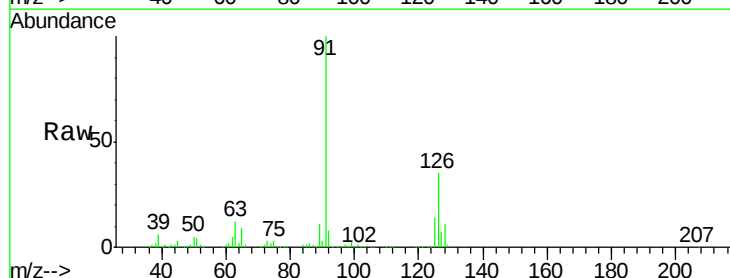
Manual Integrations
APPROVED

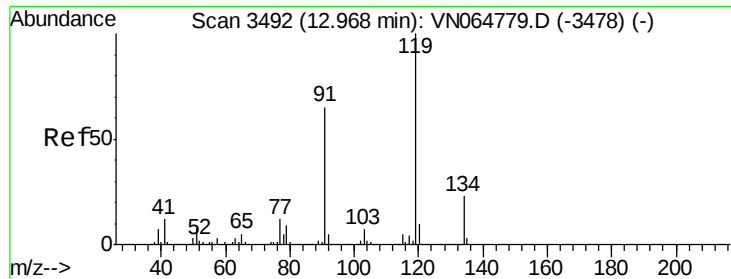
MMDadoda
11/24/2020 3:01:13 PM



#82
4-Chlorotoluene
Concen: 93.645 ug/l
RT: 12.75 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN064780.D
Acq: 23 Nov 2020 13:06

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.1	16.9	50.7





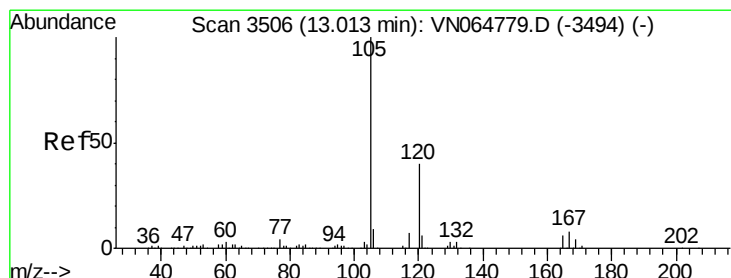
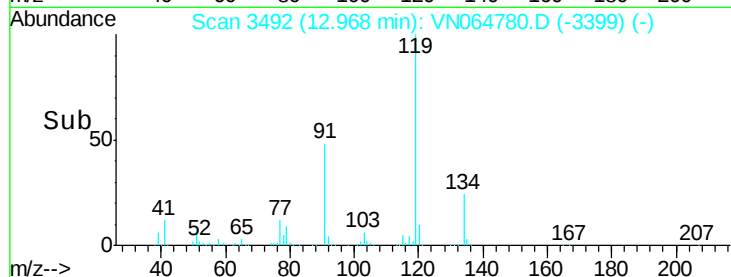
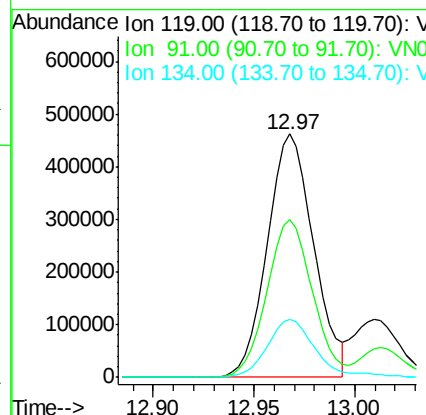
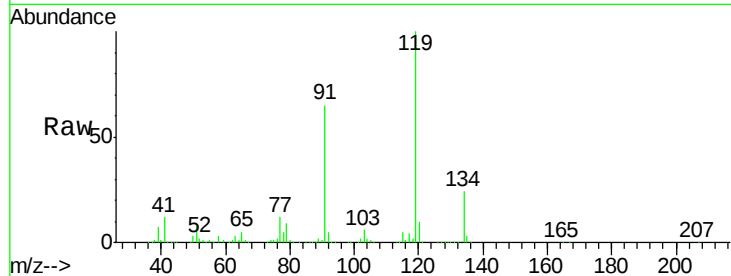
#83
 tert-Butylbenzene
 Concen: 112.855 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. 0.00 min
 Lab File: VN064780.D
 Acq: 23 Nov 2020 13:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.0	32.3	96.8
134	24.9	12.6	37.6

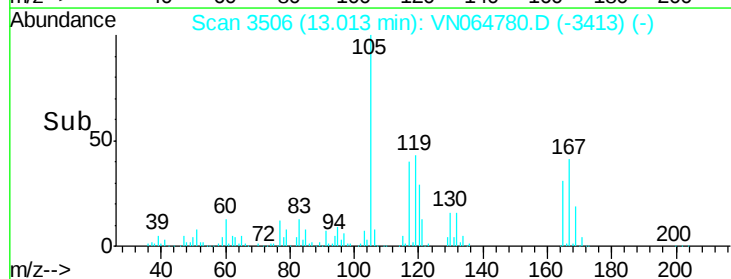
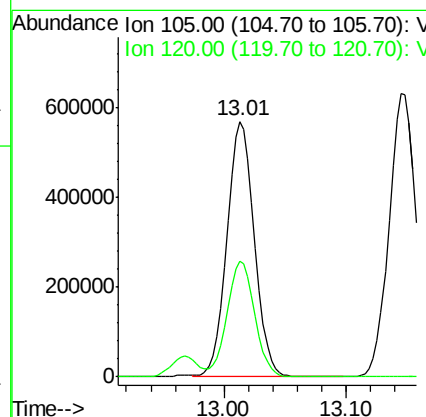
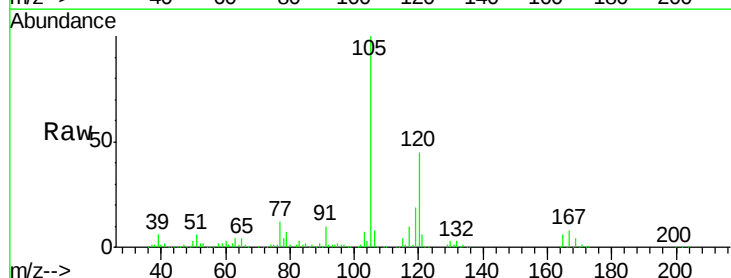
Manual Integrations
 APPROVED

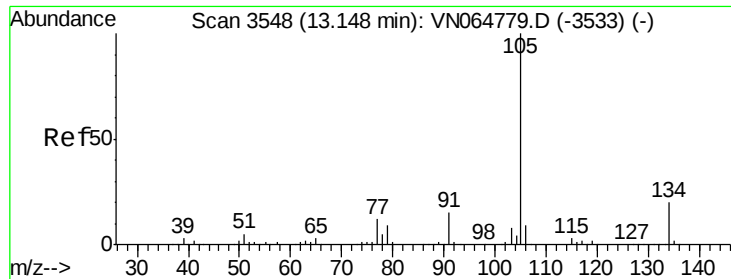
MMDadoda
 11/24/2020 3:01:13 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 105.025 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN064780.D
 Acq: 23 Nov 2020 13:06

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	23.1	69.2





#85

sec-Butylbenzene

Concen: 112.871 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064780.D

Acq: 23 Nov 2020 13:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 984859

Ion Ratio Lower Upper

105 100

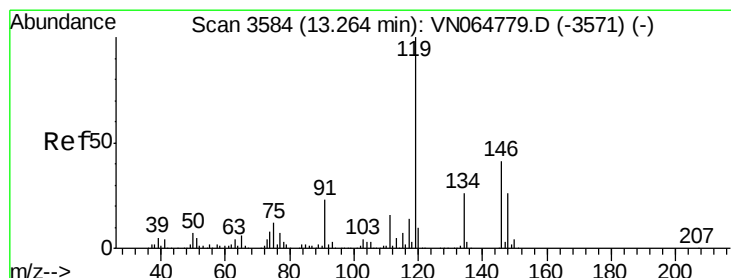
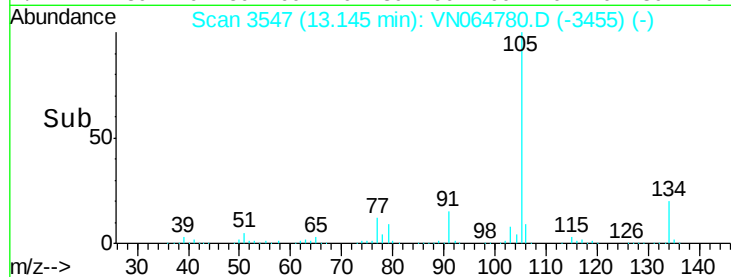
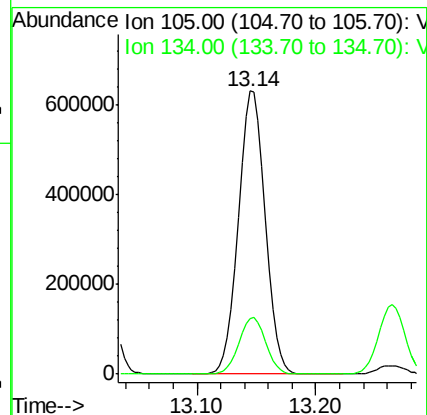
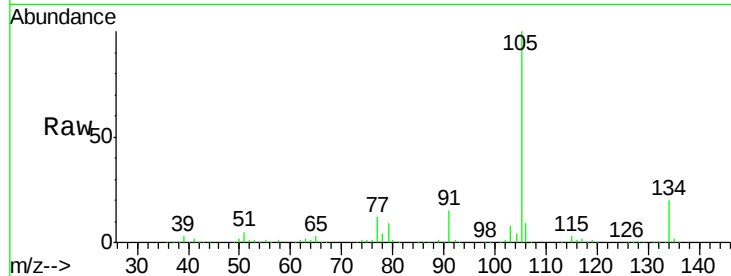
134 20.0 10.1 30.1

Manual Integrations

APPROVED

MMDadoda

11/24/2020 3:01:13 PM



#86

p-Isopropyltoluene

Concen: 114.460 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN064780.D

Acq: 23 Nov 2020 13:06

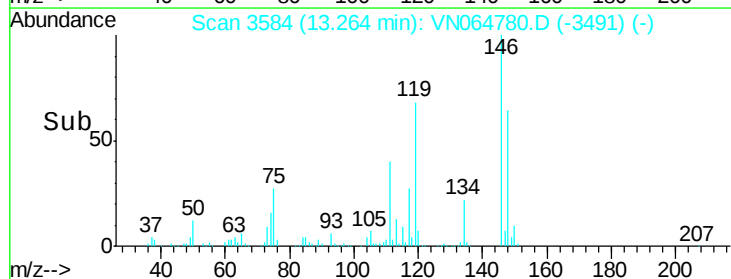
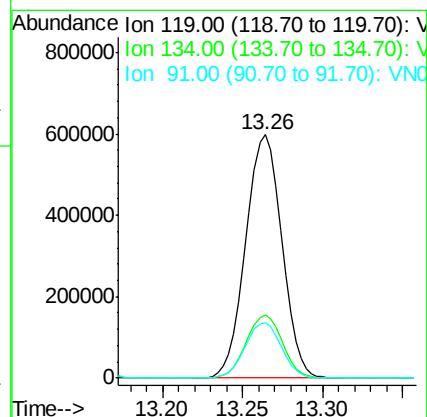
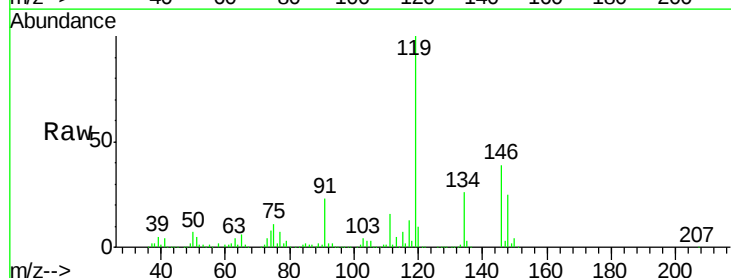
Tgt Ion:119 Resp: 920374

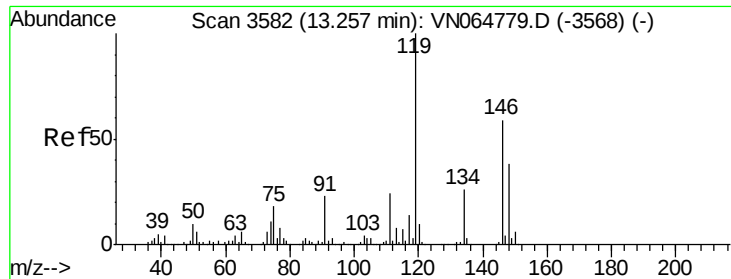
Ion Ratio Lower Upper

119 100

134 26.0 13.1 39.1

91 22.7 11.5 34.5





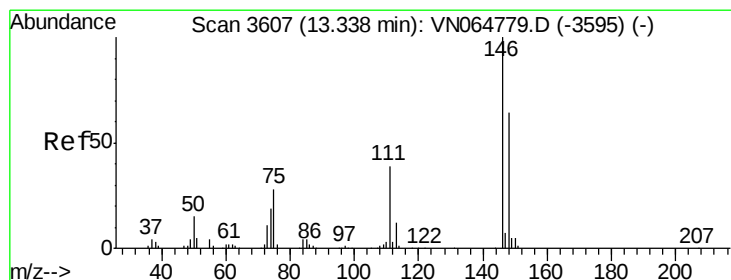
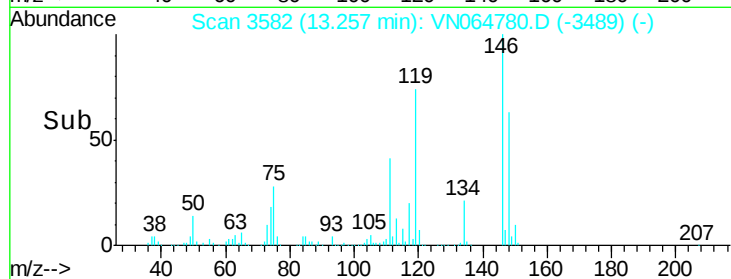
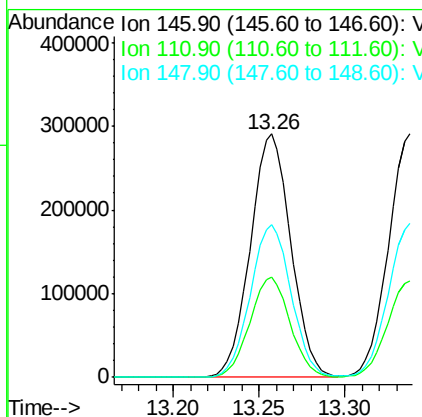
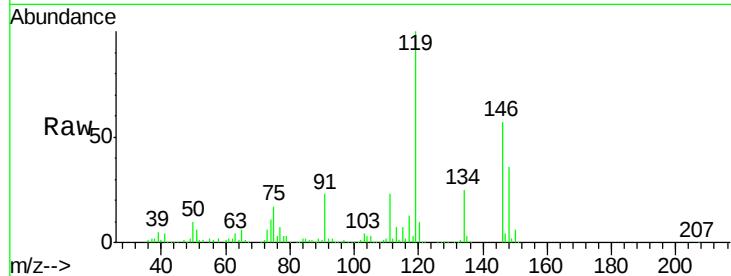
#87
 1,3-Dichlorobenzene
 Concen: 102.024 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN064780.D
 Acq: 23 Nov 2020 13:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.6	61.9
148	63.1	31.9	95.5

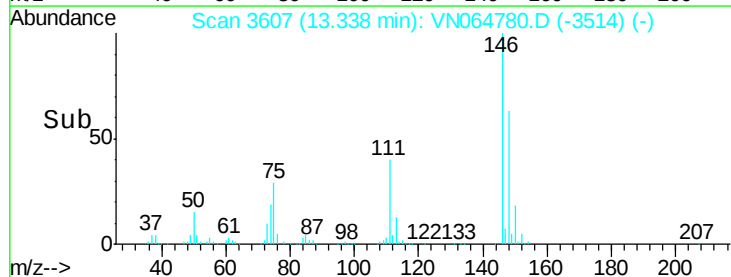
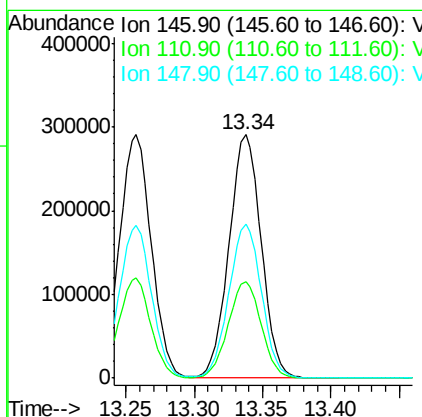
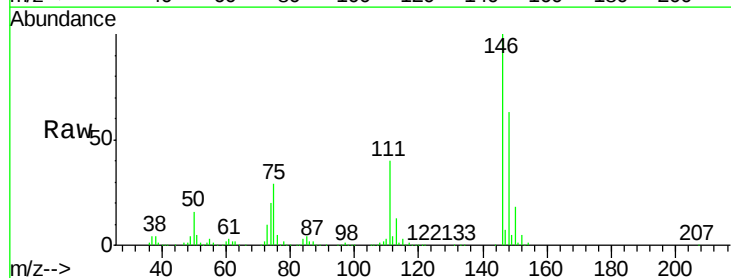
Manual Integrations
 APPROVED

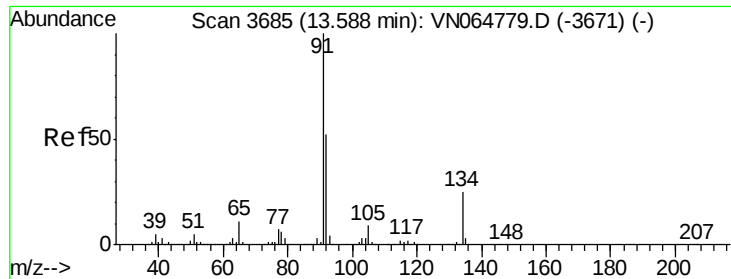
MMDadoda
 11/24/2020 3:01:13 PM



#88
 1,4-Dichlorobenzene
 Concen: 99.563 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN064780.D
 Acq: 23 Nov 2020 13:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	19.8	59.3
148	63.8	31.9	95.5





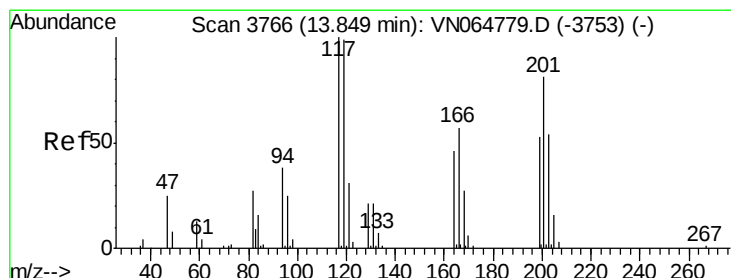
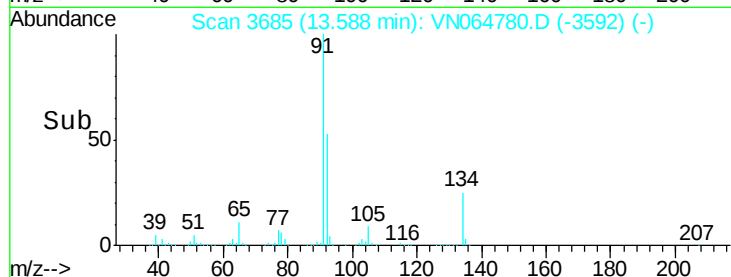
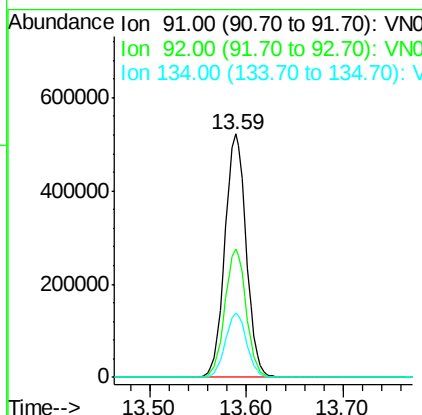
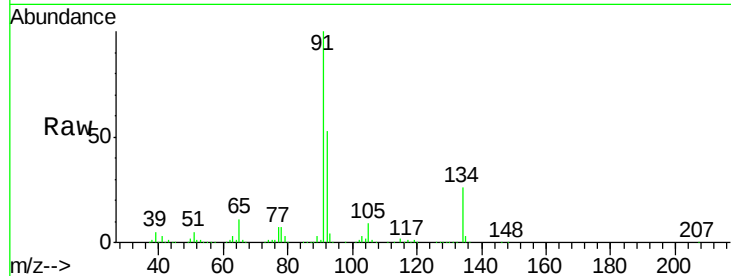
#89
n-Butylbenzene
Concen: 107.587 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN064780.D
Acq: 23 Nov 2020 13:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.0	78.0
134	26.3	12.9	38.6

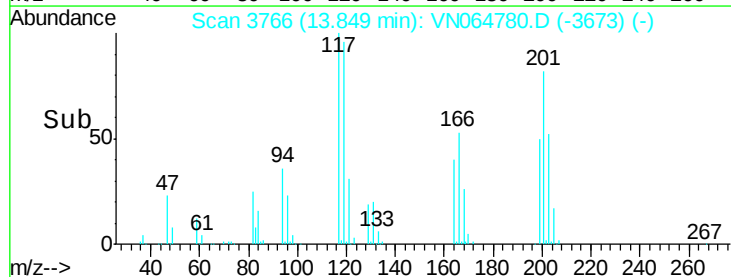
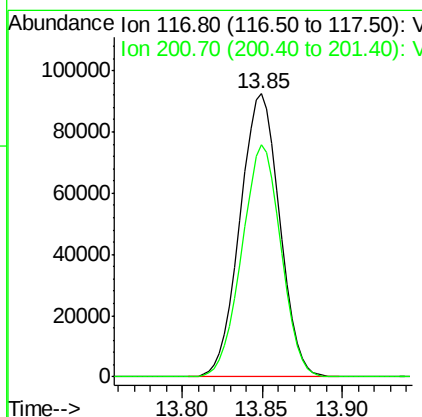
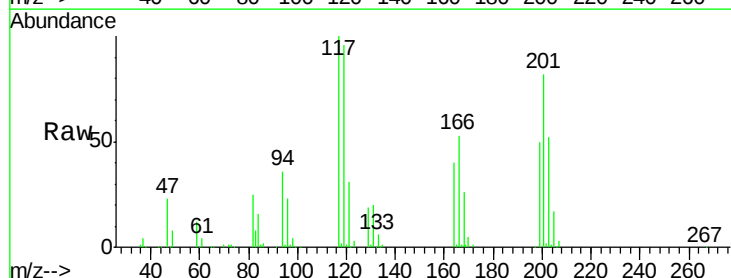
Manual Integrations
APPROVED

MMDadoda
11/24/2020 3:01:13 PM



#90
Hexachloroethane
Concen: 116.650 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN064780.D
Acq: 23 Nov 2020 13:06

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.8	40.1	120.3





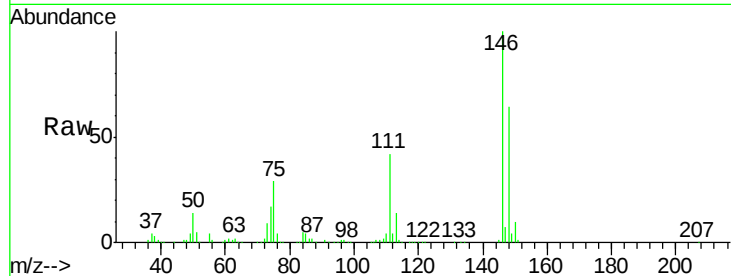
#91
 1,2-Dichlorobenzene
 Concen: 101.354 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064780.D
 Acq: 23 Nov 2020 13:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

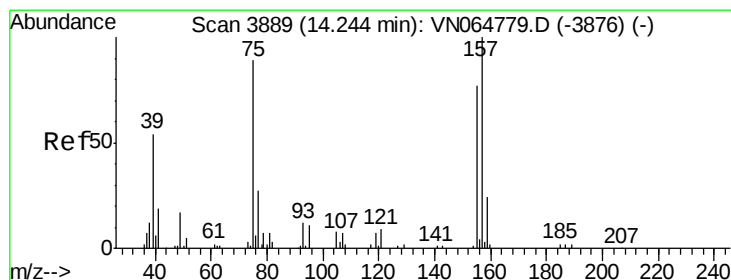
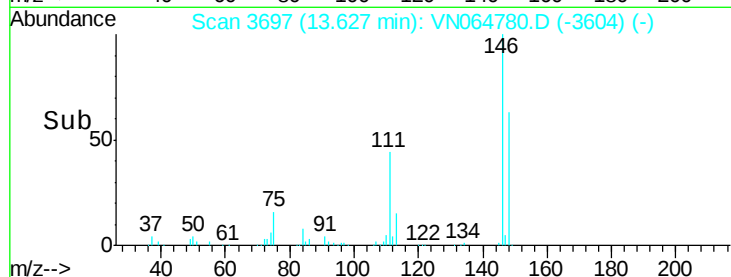
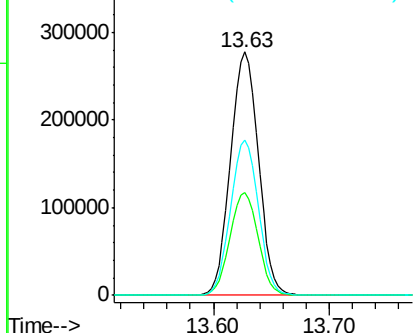
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.1	63.1
148	63.6	32.0	96.2

Manual Integrations
 APPROVED

MMDadoda
 11/24/2020 3:01:13 PM

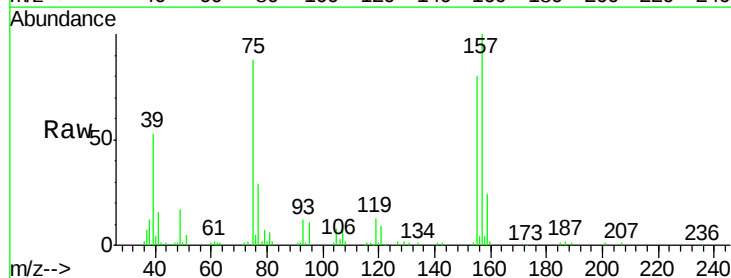


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

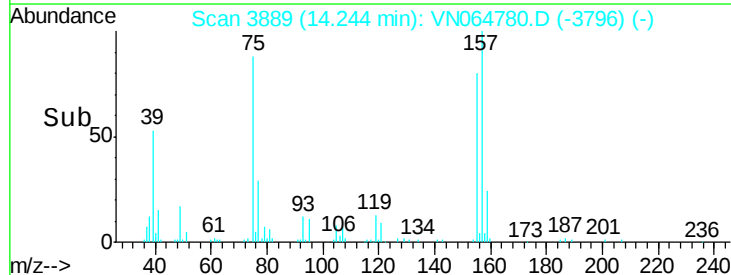
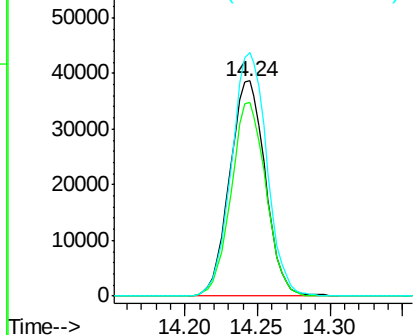


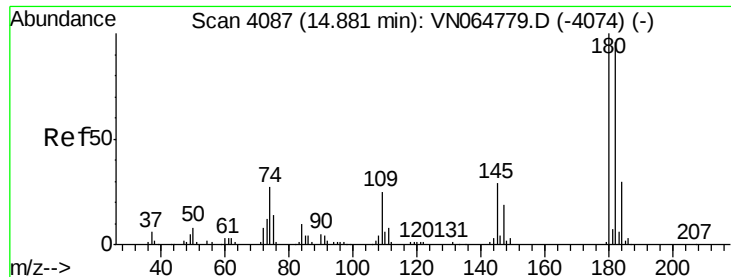
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 90.463 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN064780.D
 Acq: 23 Nov 2020 13:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.8	42.8	128.3
157	112.6	56.4	169.1



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V





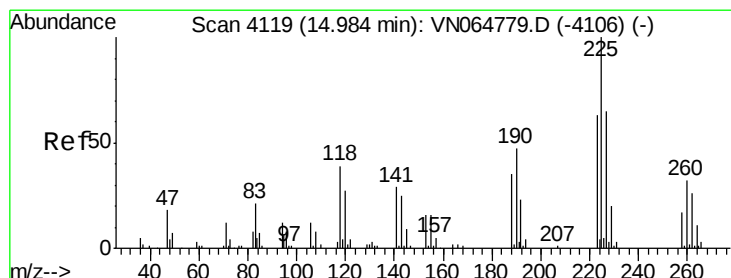
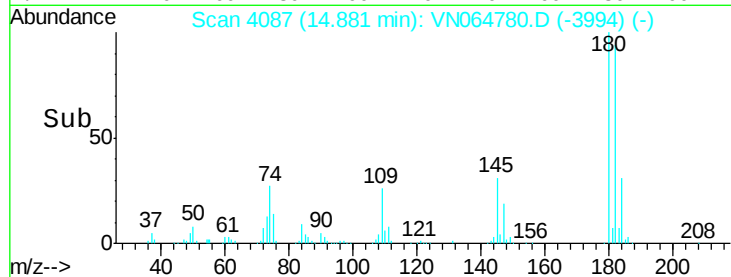
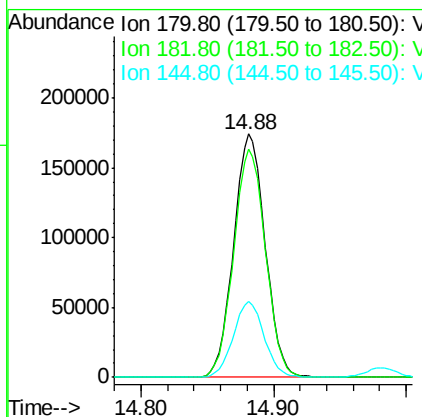
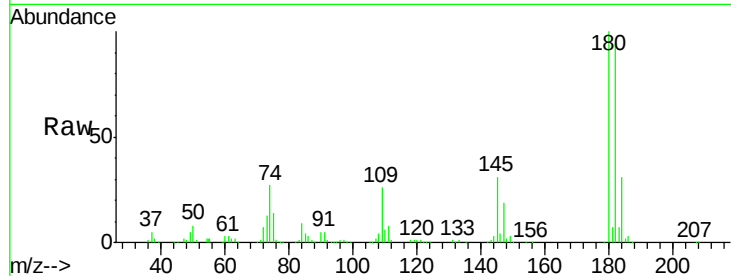
#93
 1,2,4-Trichlorobenzene
 Concen: 112.649 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN064780.D
 Acq: 23 Nov 2020 13:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	287265		
182	94.8	47.6	142.9	
145	30.6	15.3	45.8	

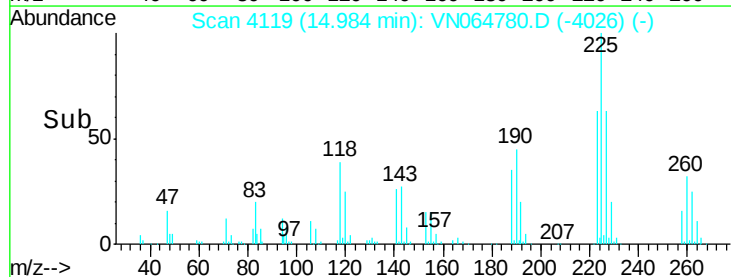
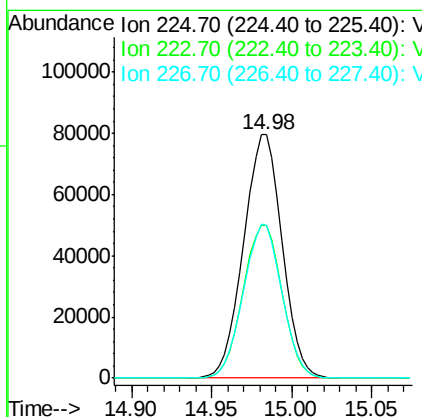
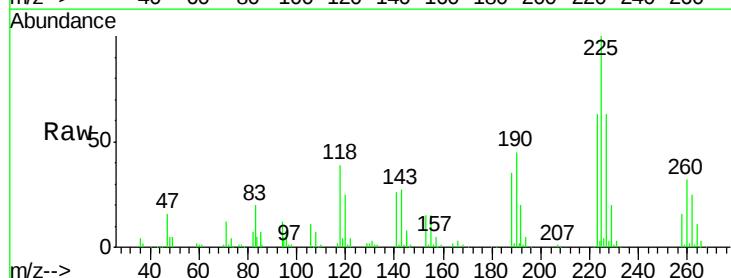
Manual Integrations
 APPROVED

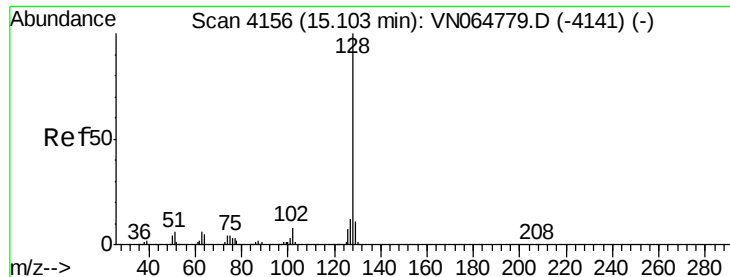
MMDadoda
 11/24/2020 3:01:13 PM



#94
 Hexachlorobutadiene
 Concen: 101.478 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN064780.D
 Acq: 23 Nov 2020 13:06

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	130936		
223	63.5	31.0	93.0	
227	63.1	32.0	96.0	





#95

Naphthalene

Concen: 110.598 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064780.D

Acq: 23 Nov 2020 13:06

Instrument :

MSVOA_N

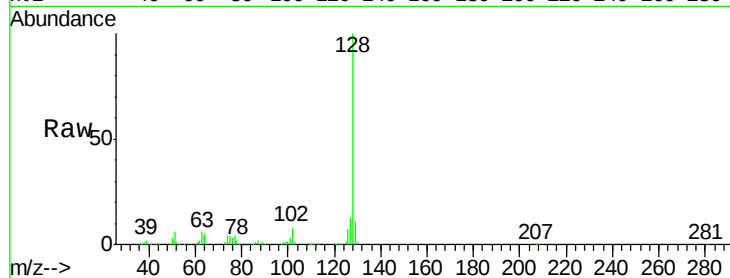
ClientSampleId :

VSTDIC100

Tot Ion:	128	Resp:	892943
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.3	15.5
129	10.9	8.7	13.1

Manual Integrations
APPROVED

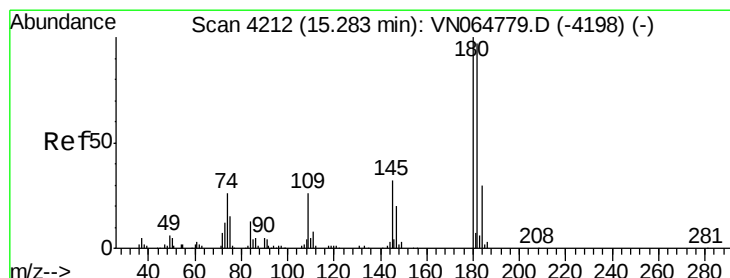
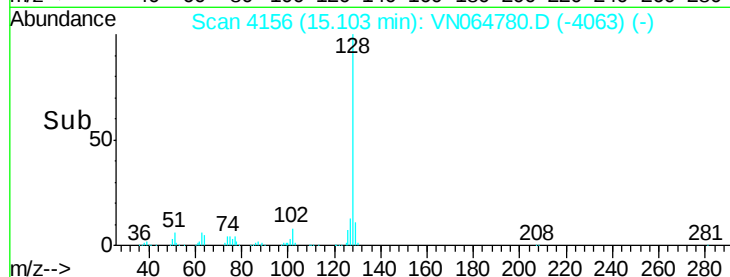
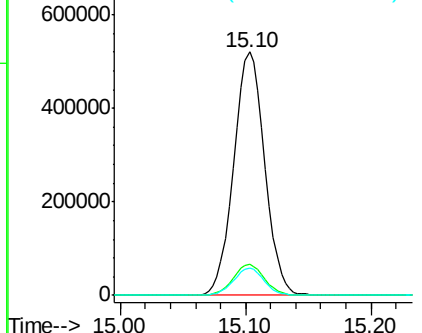
MMDadoda
11/24/2020 3:01:13 PM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 112.817 ug/l

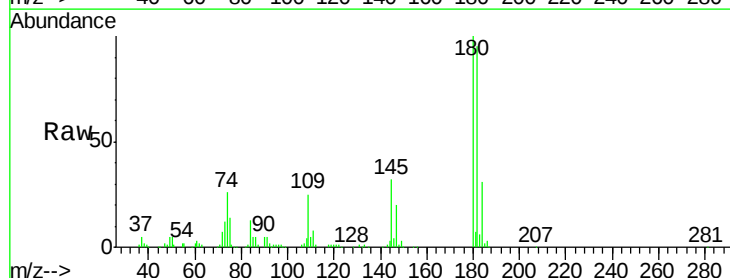
RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN064780.D

Acq: 23 Nov 2020 13:06

Tgt Ion:	180	Resp:	276676
Ion Ratio	Lower	Upper	
180	100		
182	94.9	48.1	144.4
145	32.4	16.4	49.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

