

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101920\
 Data File : VX018957.D
 Acq On : 19 Oct 2020 17:13
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 10/20/2020 4:52:01 PM

Quant Time: Oct 19 18:19:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101920W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 17:59:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	92713	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	167666	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	149376	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	69669	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	21779	17.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	34.36%	
35) Dibromofluoromethane	5.46	113	17169	15.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	30.82%	
50) Toluene-d8	8.70	98	67450	16.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	32.20%	
62) 4-Bromofluorobenzene	11.12	95	22318	13.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	27.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	16900	15.739	ug/l	100
3) Chloromethane	1.31	50	18110	15.796	ug/l	99
4) Vinyl Chloride	1.39	62	24776	20.764	ug/l	99
5) Bromomethane	1.63	94	22656	34.025	ug/l	99
6) Chloroethane	1.72	64	17660	25.984	ug/l	100
7) Trichlorofluoromethane	1.92	101	41821	24.691	ug/l	96
8) Diethyl Ether	2.17	74	16115	27.043	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	22325	24.212	ug/l	98
10) Methyl Iodide	2.50	142	19730	22.975	ug/l	98
11) Tert butyl alcohol	3.01	59	27116	105.749	ug/l	99
12) 1,1-Dichloroethene	2.36	96	23565	24.492	ug/l	97
13) Acrolein	2.27	56	16632	139.333	ug/l	96
14) Allyl chloride	2.71	41	27505	17.386	ug/l	99
16) Acetone	2.42	43	52973	106.402	ug/l	100
17) Carbon Disulfide	2.55	76	51168	18.647	ug/l	99
18) Methyl Acetate	2.75	43	21427	17.889	ug/l	99
19) Methyl tert-butyl Ether	3.17	73	59685	19.222	ug/l	98
20) Methylene Chloride	2.83	84	20658	18.219	ug/l	98
21) trans-1,2-Dichloroethene	3.14	96	20764	20.320	ug/l	98
22) Diisopropyl ether	3.82	45	52932	16.916	ug/l #	86
23) Vinyl Acetate	3.78	43	260685	92.658	ug/l	98
24) 1,1-Dichloroethane	3.67	63	35885	19.562	ug/l	99
25) 2-Butanone	4.64	43	74114	91.030	ug/l	95
26) 2,2-Dichloropropane	4.55	77	33689	21.942	ug/l	100
27) cis-1,2-Dichloroethene	4.56	96	24264	20.458	ug/l	98
28) Bromochloromethane	4.98	49	15057	17.257	ug/l	95
29) Tetrahydrofuran	5.09	42	42642	83.453	ug/l	100
30) Chloroform	5.18	83	38219	19.925	ug/l	98
31) Cyclohexane	5.55	56	28474	18.605	ug/l	99
32) 1,1,1-Trichloroethane	5.46	97	34502	19.600	ug/l	98
36) 1,1-Dichloropropene	5.77	75	29398	19.037	ug/l	99
37) Ethyl Acetate	4.79	43	28372	16.204	ug/l	99
38) Carbon Tetrachloride	5.75	117	30335	17.611	ug/l	93
39) Methylcyclohexane	7.44	83	32062	19.010	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101920\
 Data File : VX018957.D
 Acq On : 19 Oct 2020 17:13
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 10/20/2020 4:52:01 PM

Quant Time: Oct 19 18:19:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101920W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 17:59:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	6.11	78	86177	18.898	ug/l	100
41) Methacrylonitrile	5.00	41	15146	15.839	ug/l	98
42) 1,2-Dichloroethane	6.16	62	30748	17.889	ug/l	99
43) Isopropyl Acetate	6.41	43	48268	17.070	ug/l	99
44) Trichloroethene	7.19	130	22766	17.868	ug/l	99
45) 1,2-Dichloropropane	7.49	63	21092	17.513	ug/l	100
46) Dibromomethane	7.64	93	15148	17.710	ug/l	100
47) Bromodichloromethane	7.87	83	31163	18.296	ug/l	99
48) Methyl methacrylate	7.74	41	22588	16.206	ug/l	96
49) 1,4-Dioxane	7.71	88	10108	388.038	ug/l #	96
51) 4-Methyl-2-Pentanone	8.62	43	143732	82.867	ug/l	98
52) Toluene	8.76	92	53991	18.569	ug/l	98
53) t-1,3-Dichloropropene	9.02	75	34021	17.892	ug/l	99
54) cis-1,3-Dichloropropene	8.42	75	36686	18.254	ug/l	100
55) 1,1,2-Trichloroethane	9.20	97	21452	17.516	ug/l	97
56) Ethyl methacrylate	9.16	69	33492	18.366	ug/l	97
57) 1,3-Dichloropropane	9.35	76	36130	17.907	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.29	63	89570	106.075	ug/l	98
59) 2-Hexanone	9.47	43	108823	82.725	ug/l	97
60) Dibromochloromethane	9.57	129	22435	15.723	ug/l	97
61) 1,2-Dibromoethane	9.65	107	22922	17.237	ug/l	99
64) Tetrachloroethene	9.32	164	18946	17.437	ug/l	98
65) Chlorobenzene	10.12	112	57459	19.177	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.20	131	20943	17.930	ug/l	98
67) Ethyl Benzene	10.23	91	102327	20.058	ug/l	99
68) m/p-Xylenes	10.34	106	77301	40.411	ug/l	96
69) o-Xylene	10.68	106	36940	19.842	ug/l	95
70) Stvrene	10.70	104	61360	19.475	ug/l	98
71) Bromoform	10.84	173	16103	16.235	ug/l #	98
73) Isopropylbenzene	11.00	105	98788	21.486	ug/l	98
74) N-amyl acetate	10.88	43	37394	18.030	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.25	83	31798	19.653	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	30487m	19.906	ug/l	
77) Bromobenzene	11.24	156	22163	17.604	ug/l	91
78) n-propylbenzene	11.34	91	110420	21.118	ug/l	98
79) 2-Chlorotoluene	11.40	91	63948	19.962	ug/l	97
80) 1,3,5-Trimethylbenzene	11.49	105	80417	21.202	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.05	75	11802	20.548	ug/l	97
82) 4-Chlorotoluene	11.49	91	77664	20.359	ug/l	97
83) tert-Butylbenzene	11.76	119	80627	21.408	ug/l	97
84) 1,2,4-Trimethylbenzene	11.79	105	82366	21.258	ug/l	98
85) sec-Butylbenzene	11.93	105	95145	22.155	ug/l	99
86) p-Isopropyltoluene	12.05	119	84906	21.624	ug/l	97
87) 1,3-Dichlorobenzene	12.01	146	41111	18.399	ug/l	97
88) 1,4-Dichlorobenzene	12.08	146	42330	18.809	ug/l	97
89) n-Butylbenzene	12.37	91	77414	21.506	ug/l	98
90) Hexachloroethane	12.58	117	13588	18.046	ug/l	94
91) 1,2-Dichlorobenzene	12.37	146	41044	19.447	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.98	75	7374	18.429	ug/l	90
93) 1,2,4-Trichlorobenzene	13.63	180	25984	18.460	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101920\
Data File : VX018957.D
Acq On : 19 Oct 2020 17:13
Operator : JC/SP
Sample : VSTDICC020
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

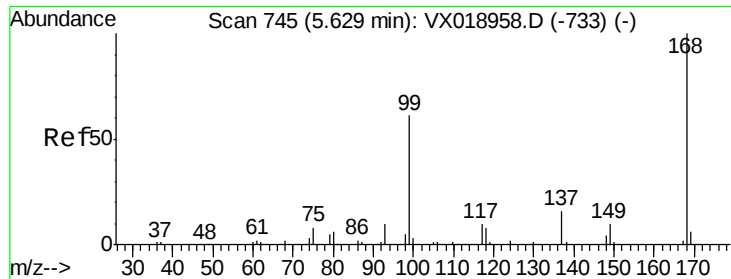
Manual Integrations
APPROVED

MMDadoda
10/20/2020 4:52:01 PM

Quant Time: Oct 19 18:19:45 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101920W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 19 17:59:03 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.77	225	10793	19.190	ug/l	99
95) Naphthalene	13.82	128	96050	20.598	ug/l	100
96) 1,2,3-Trichlorobenzene	14.00	180	26037	18.684	ug/l	97

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



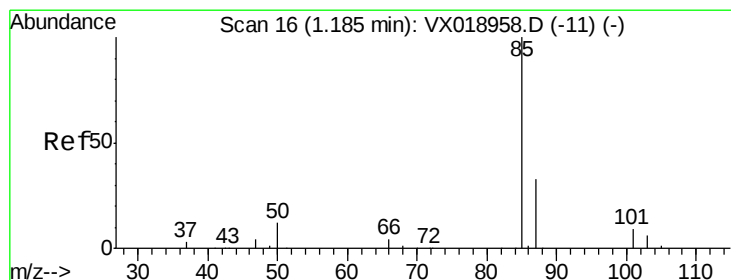
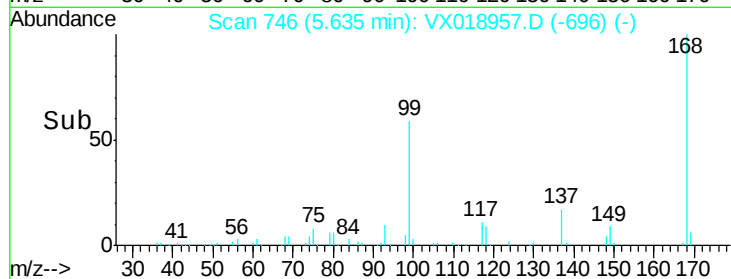
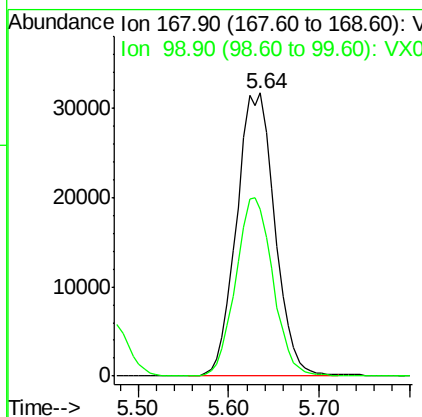
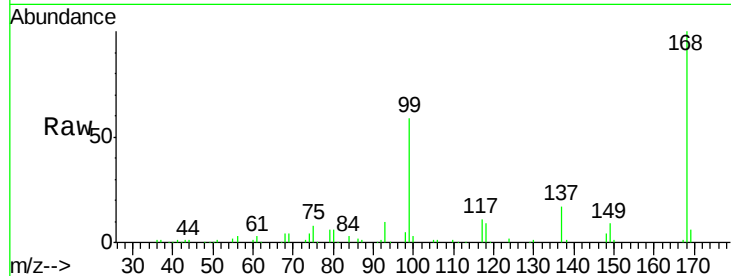
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.64 min Scan# 746
Delta R.T. 0.01 min
Lab File: VX018957.D
Acq: 19 Oct 2020 17:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion:168 Resp: 92713
Ion Ratio Lower Upper
168 100
99 58.8 48.5 72.7

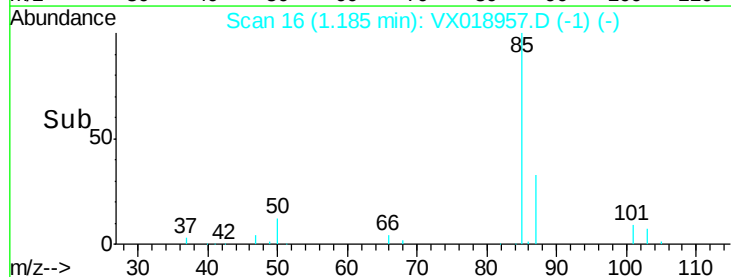
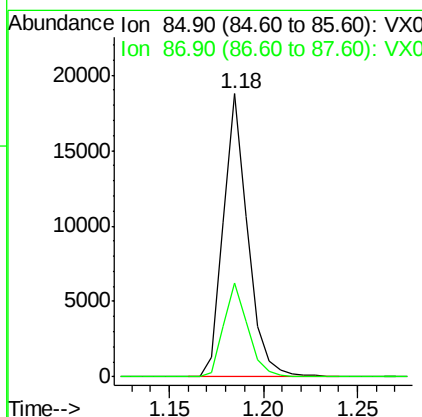
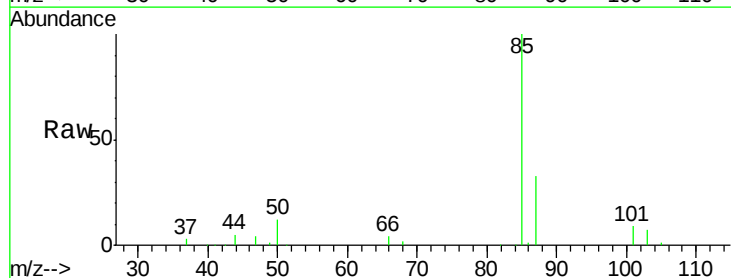
Manual Integrations
APPROVED

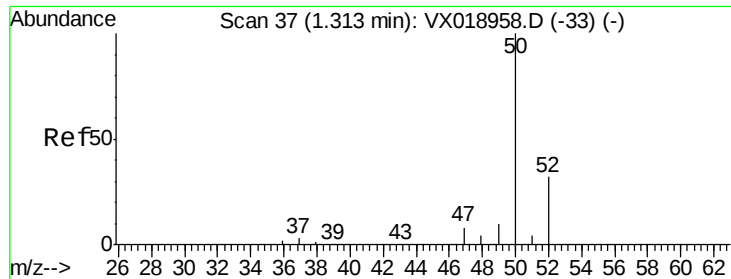
MMDadoda
10/20/2020 4:52:01 PM



#2
Dichlorodifluoromethane
Concen: 15.739 ug/l
RT: 1.18 min Scan# 16
Delta R.T. 0.00 min
Lab File: VX018957.D
Acq: 19 Oct 2020 17:13

Tgt Ion: 85 Resp: 16900
Ion Ratio Lower Upper
85 100
87 33.2 16.5 49.5





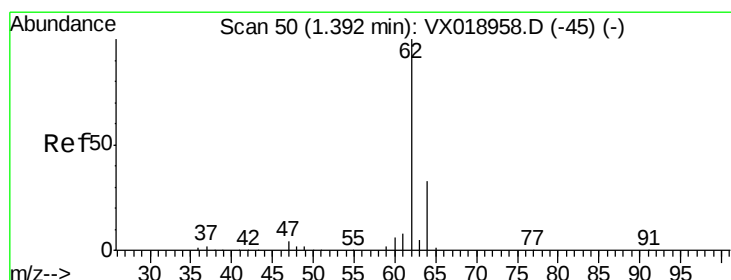
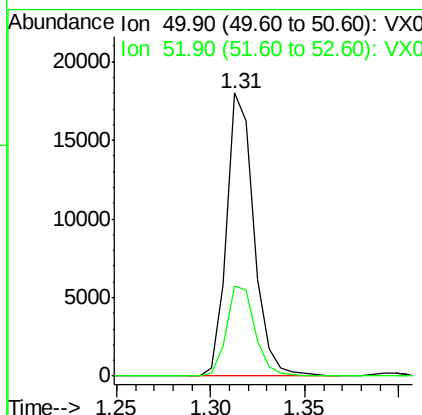
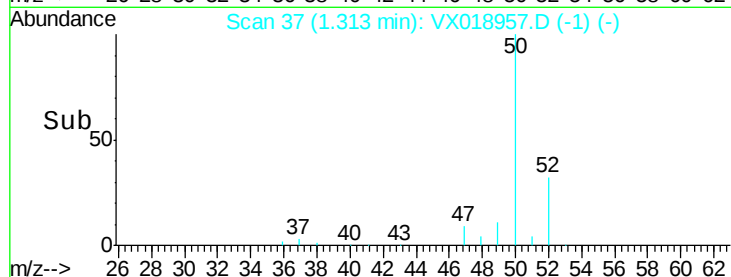
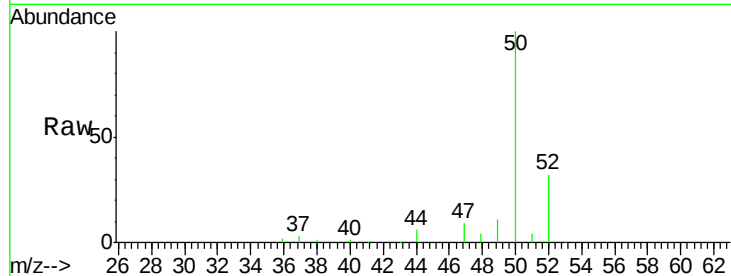
#3
 Chloromethane
 Concen: 15.796 ug/l
 RT: 1.31 min Scan# 37
 Delta R.T. 0.00 min
 Lab File: VX018957.D
 Acq: 19 Oct 2020 17:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
50	100		
52	31.9	25.9	38.9

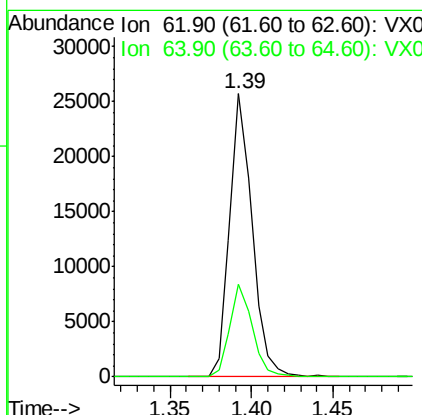
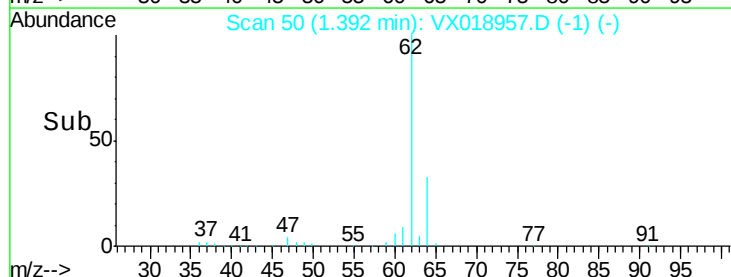
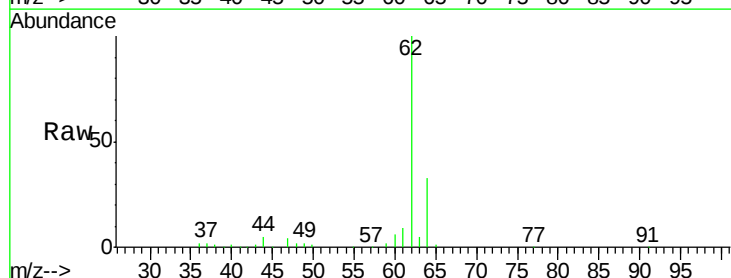
Manual Integrations
 APPROVED

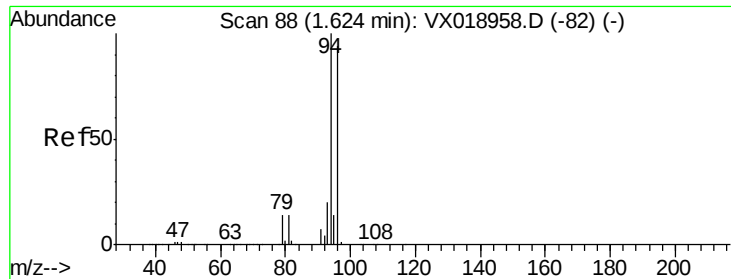
MMDadoda
 10/20/2020 4:52:01 PM



#4
 Vinyl Chloride
 Concen: 20.764 ug/l
 RT: 1.39 min Scan# 50
 Delta R.T. 0.00 min
 Lab File: VX018957.D
 Acq: 19 Oct 2020 17:13

Tgt Ion	Ratio	Lower	Upper
62	100		
64	32.9	26.7	40.1





#5

Bromomethane

Concen: 34.025 ug/l

RT: 1.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VX018957.D

Acq: 19 Oct 2020 17:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 22656

Ion Ratio Lower Upper

94 100

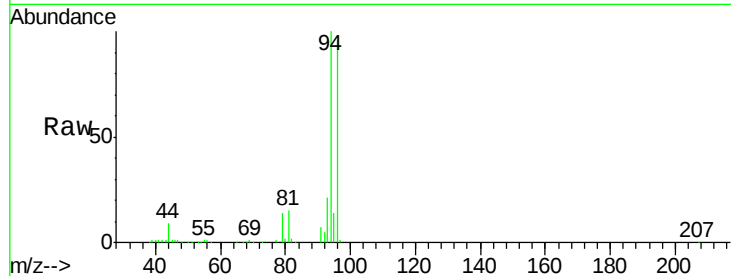
96 95.3 75.2 112.8

Manual Integrations

APPROVED

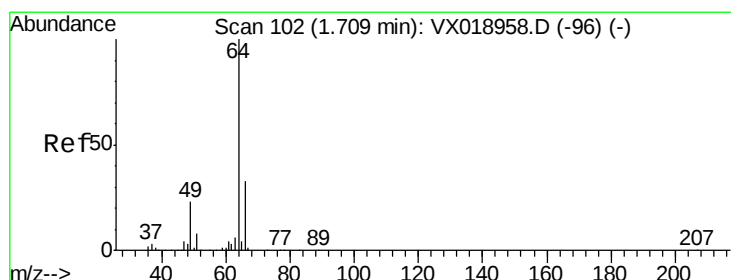
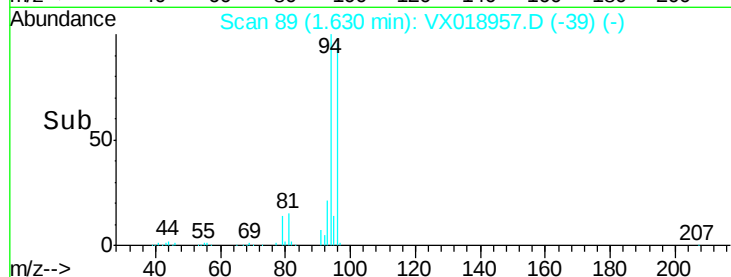
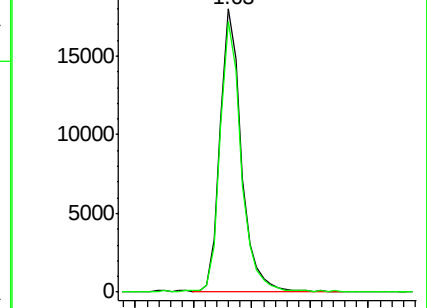
MMDadoda

10/20/2020 4:52:01 PM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 25.984 ug/l

RT: 1.72 min Scan# 103

Delta R.T. 0.01 min

Lab File: VX018957.D

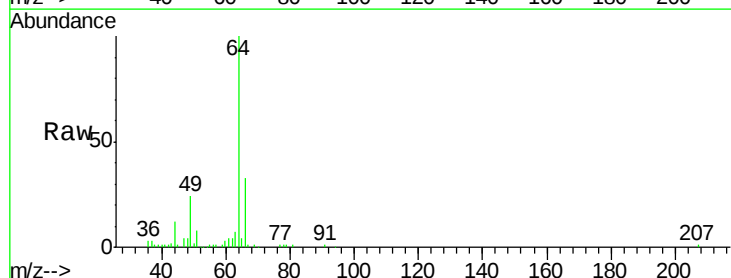
Acq: 19 Oct 2020 17:13

Tgt Ion: 64 Resp: 17660

Ion Ratio Lower Upper

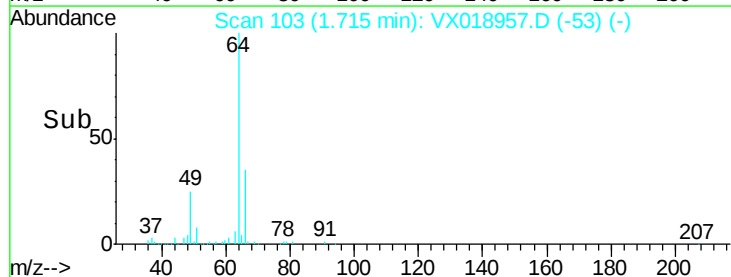
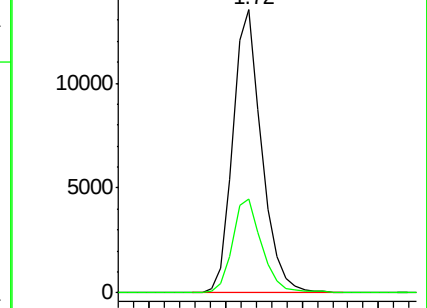
64 100

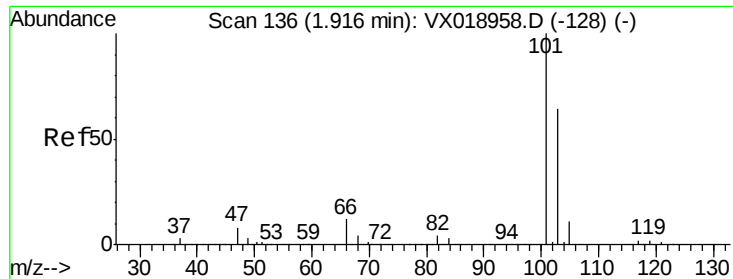
66 33.3 26.7 40.1



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

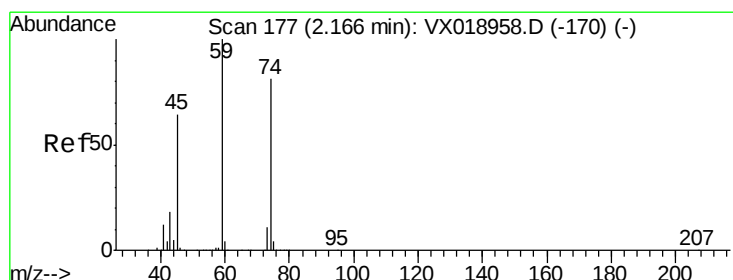
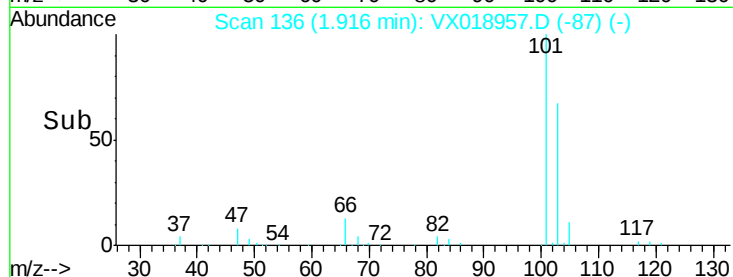
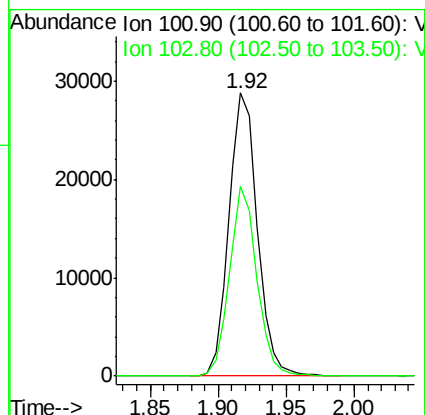
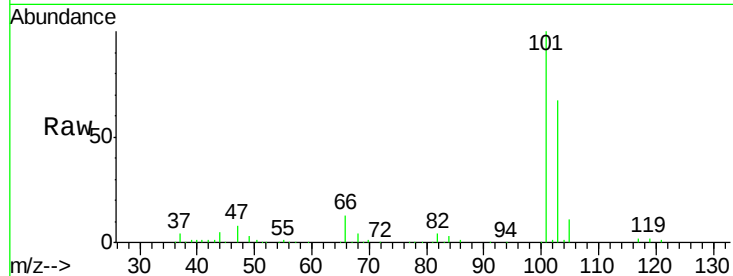
Trichlorofluoromethane
Concen: 24.691 ug/l
RT: 1.92 min Scan# 136
Delta R.T. 0.00 min
Lab File: VX018957.D
Acq: 19 Oct 2020 17:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.0	51.3	76.9

Manual Integrations
APPROVED

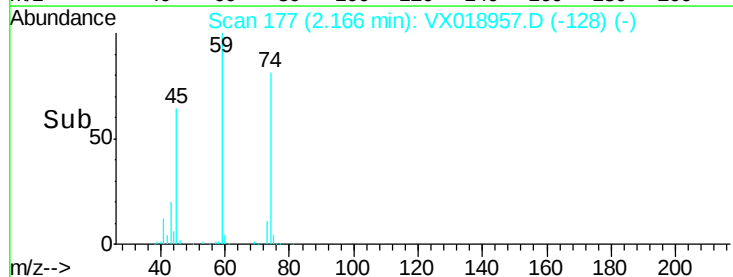
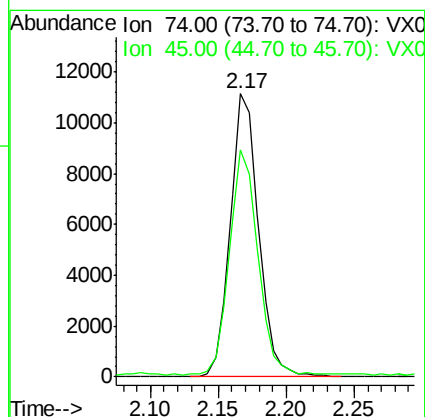
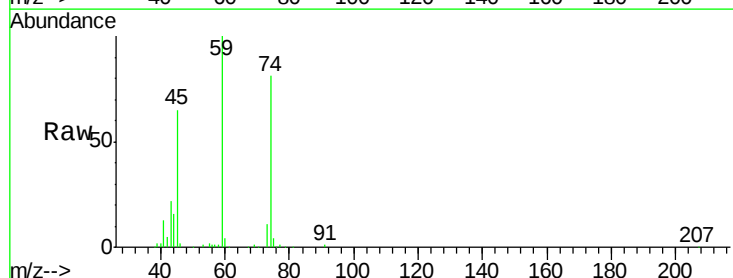
MMDadoda
10/20/2020 4:52:01 PM

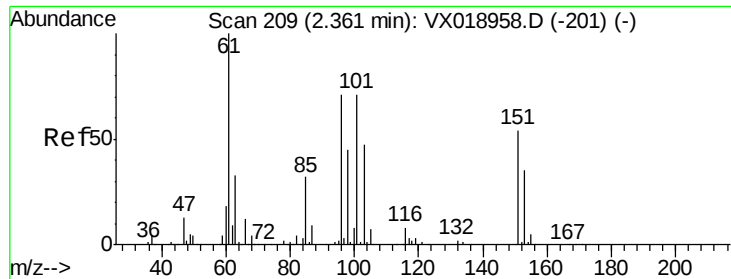


#8

Diethyl Ether
Concen: 27.043 ug/l
RT: 2.17 min Scan# 177
Delta R.T. 0.00 min
Lab File: VX018957.D
Acq: 19 Oct 2020 17:13

Tgt Ion	Ratio	Lower	Upper
74	100		
45	80.0	39.1	117.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 24.212 ug/l

RT: 2.37 min Scan# 210

Delta R.T. 0.01 min

Lab File: VX018957.D

Acq: 19 Oct 2020 17:13

Instrument :

MSVOA_X

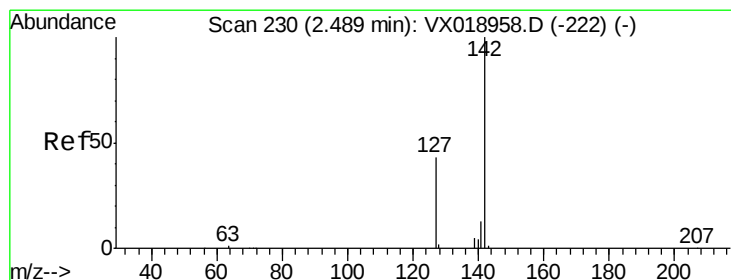
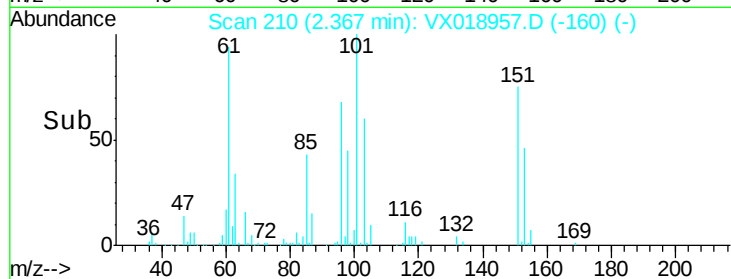
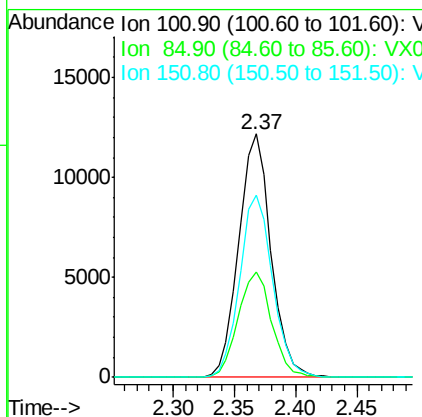
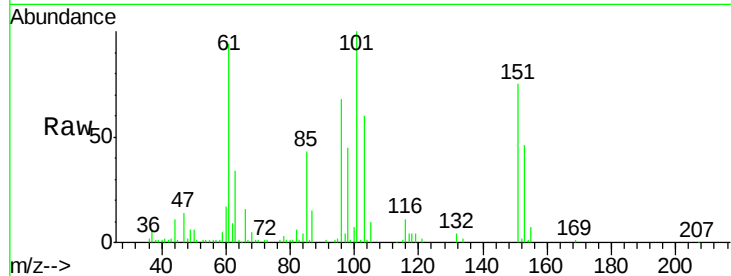
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	22325
Ion Ratio	Lower	Upper	
101	100		
85	45.1	35.1	52.7
151	76.4	62.1	93.1

Manual Integrations
APPROVED

MMDadoda
10/20/2020 4:52:01 PM



#10

Methyl Iodide

Concen: 22.975 ug/l

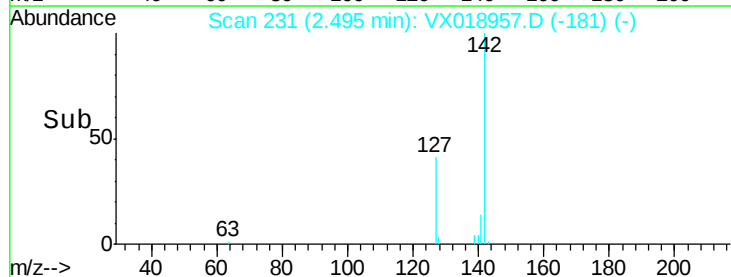
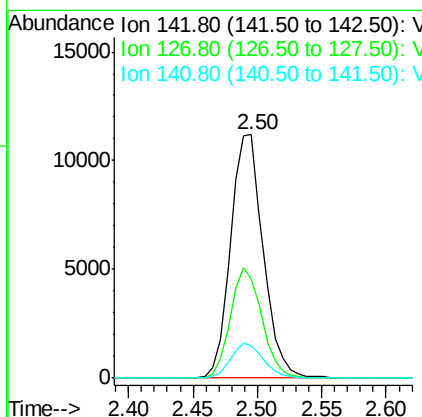
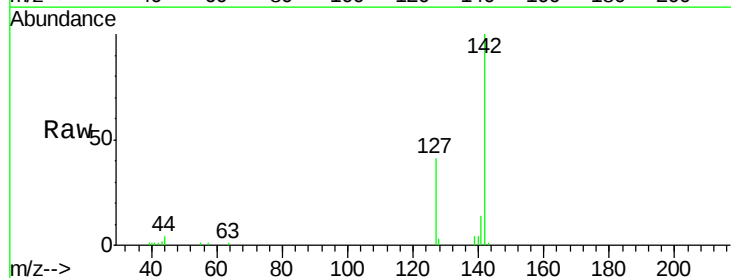
RT: 2.50 min Scan# 231

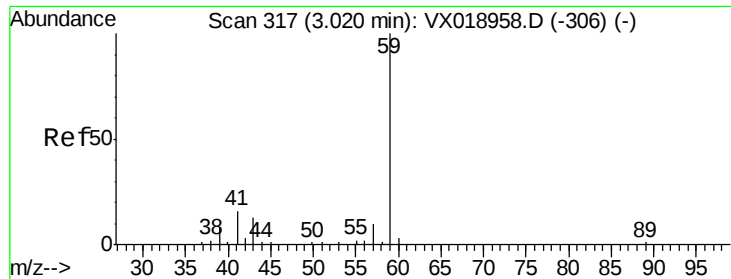
Delta R.T. 0.01 min

Lab File: VX018957.D

Acq: 19 Oct 2020 17:13

Tgt Ion:	142	Resp:	19730
Ion Ratio	Lower	Upper	
142	100		
127	43.6	35.9	53.9
141	14.1	11.6	17.4





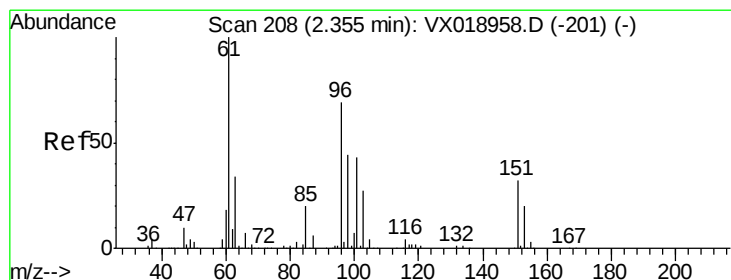
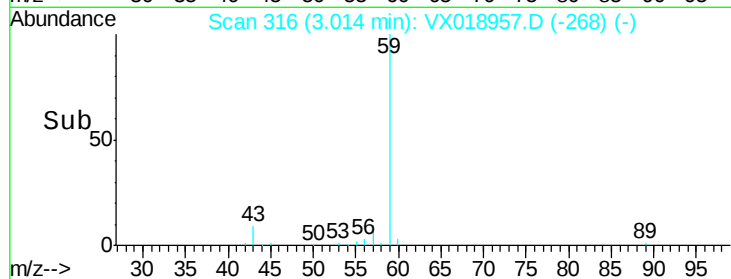
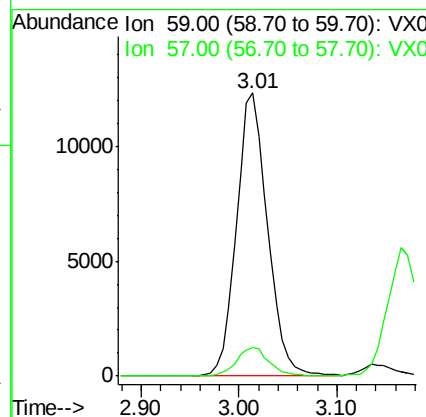
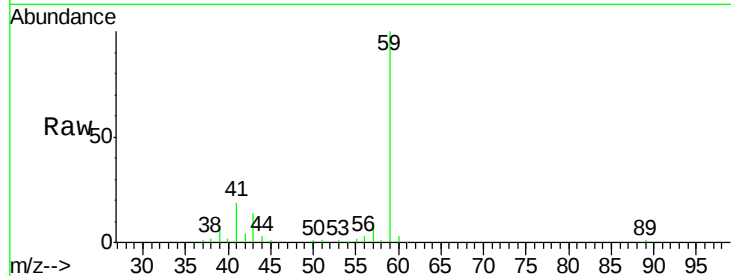
#11
Tert butyl alcohol
Concen: 105.749 ug/l
RT: 3.01 min Scan# 316
Delta R.T. -0.01 min
Lab File: VX018957.D
Acq: 19 Oct 2020 17:13

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	27116		
57	57	10.5		8.1	12.1

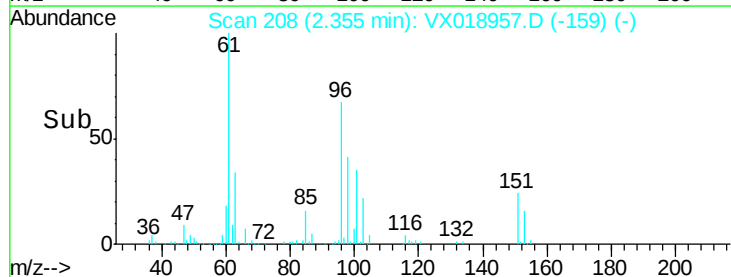
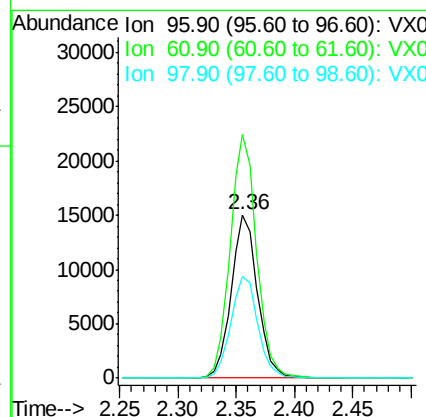
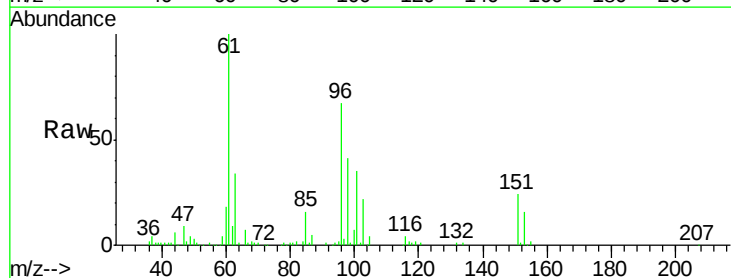
Manual Integrations
APPROVED

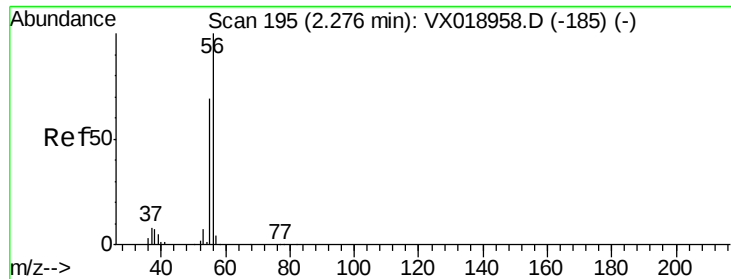
MMDadoda
10/20/2020 4:52:01 PM



#12
1,1-Dichloroethene
Concen: 24.492 ug/l
RT: 2.36 min Scan# 208
Delta R.T. 0.00 min
Lab File: VX018957.D
Acq: 19 Oct 2020 17:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	23565		
61	61	149.4		116.2	174.2
98	98	62.0		50.9	76.3





#13

Acrolein

Concen: 139.333 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.01 min

Lab File: VX018957.D

Acq: 19 Oct 2020 17:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 16632

Ion Ratio Lower Upper

56 100

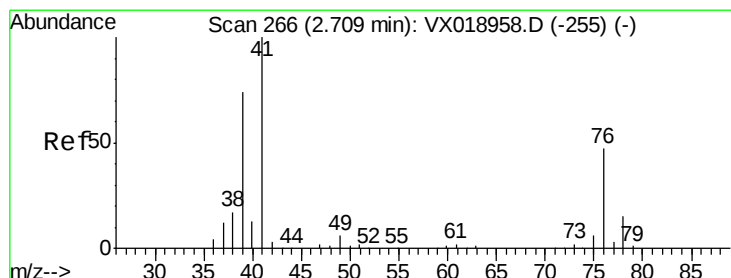
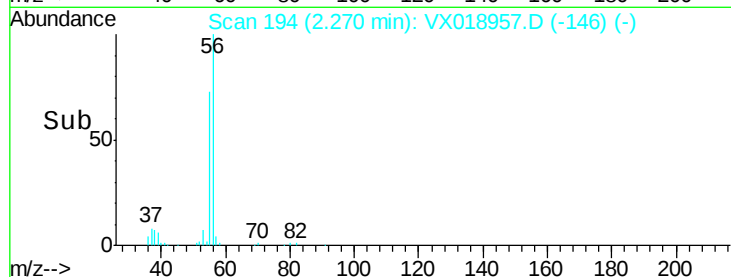
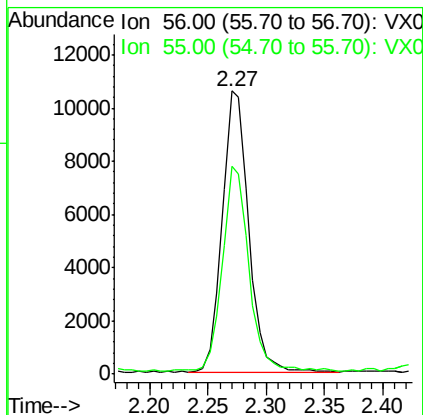
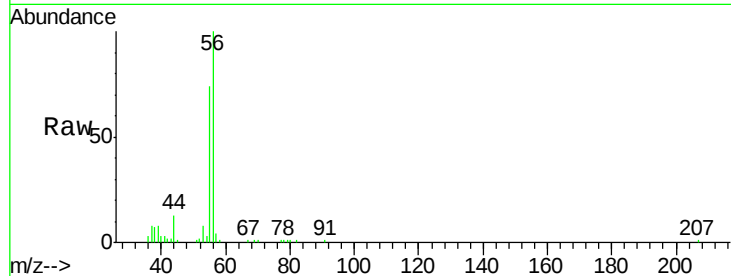
55 73.2 56.2 84.2

Manual Integrations

APPROVED

MMDadoda

10/20/2020 4:52:01 PM



#14

Allyl chloride

Concen: 17.386 ug/l

RT: 2.71 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX018957.D

Acq: 19 Oct 2020 17:13

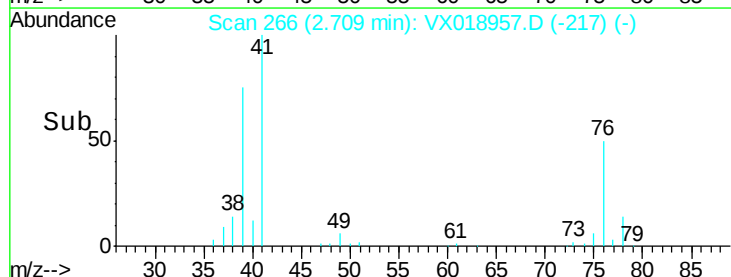
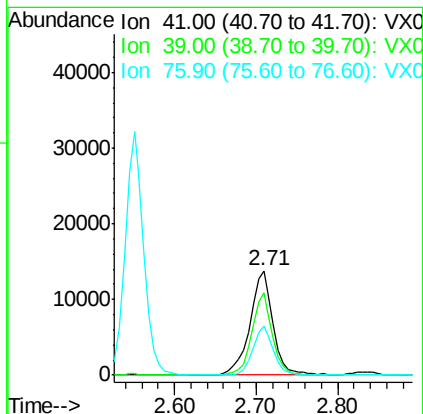
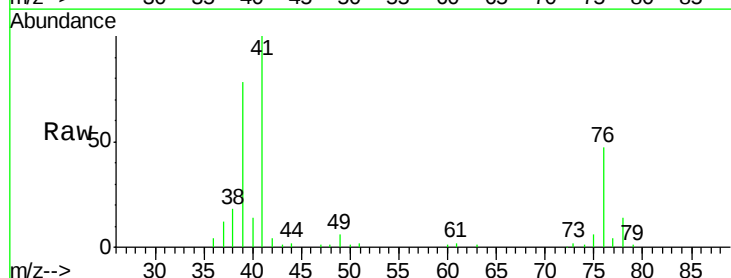
Tgt Ion: 41 Resp: 27505

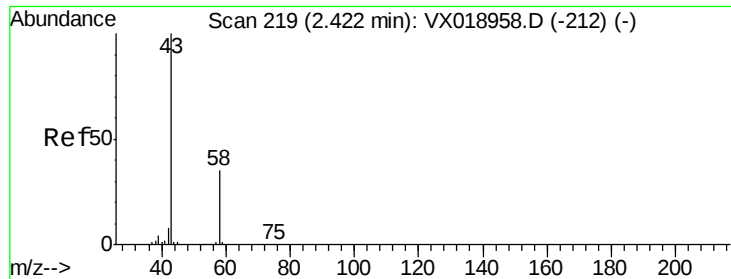
Ion Ratio Lower Upper

41 100

39 69.6 55.4 83.2

76 41.1 34.1 51.1





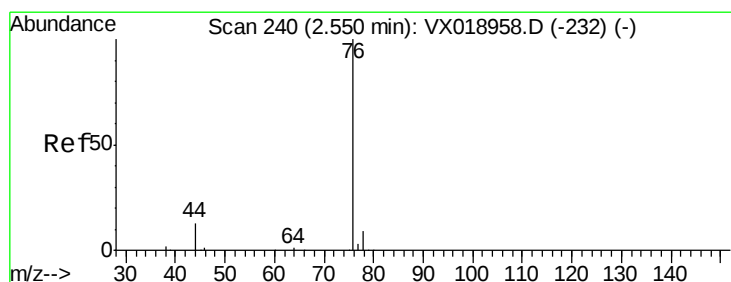
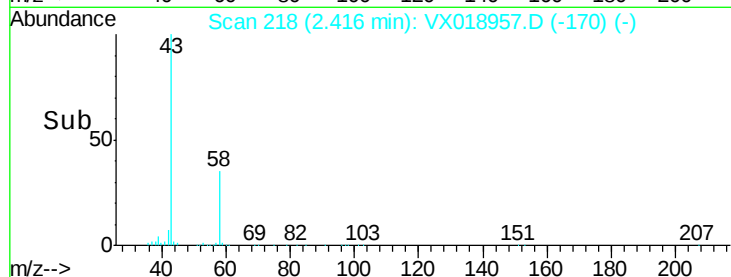
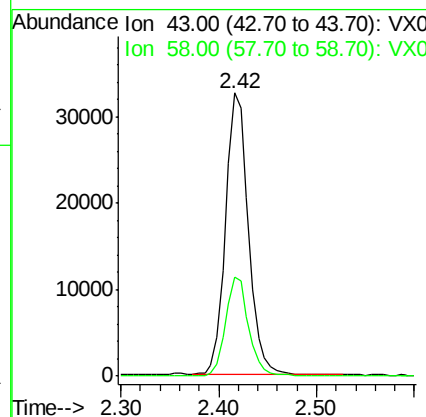
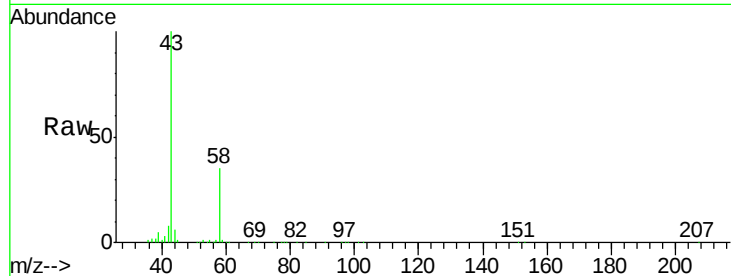
#16
Acetone
Concen: 106.402 ug/l
RT: 2.42 min Scan# 218
Delta R.T. -0.01 min
Lab File: VX018957.D
Acq: 19 Oct 2020 17:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 52973
Ion Ratio Lower Upper
43 100
58 35.0 27.8 41.8

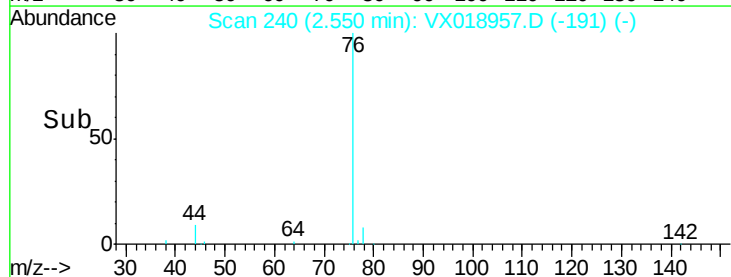
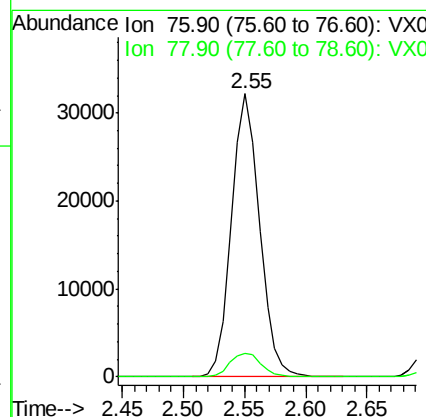
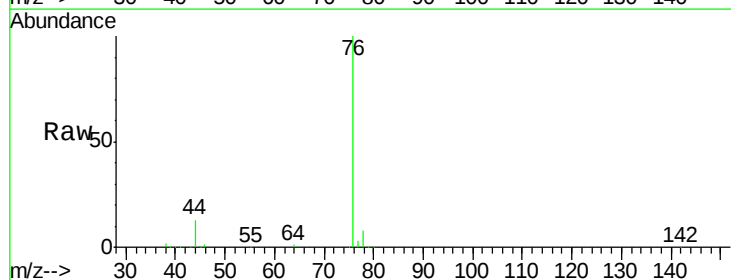
Manual Integrations
APPROVED

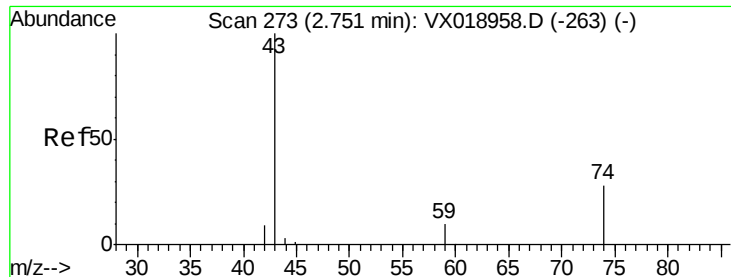
MMDadoda
10/20/2020 4:52:01 PM



#17
Carbon Disulfide
Concen: 18.647 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.00 min
Lab File: VX018957.D
Acq: 19 Oct 2020 17:13

Tgt Ion: 76 Resp: 51168
Ion Ratio Lower Upper
76 100
78 8.3 6.9 10.3





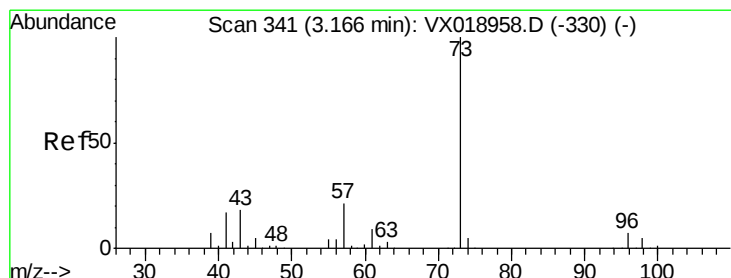
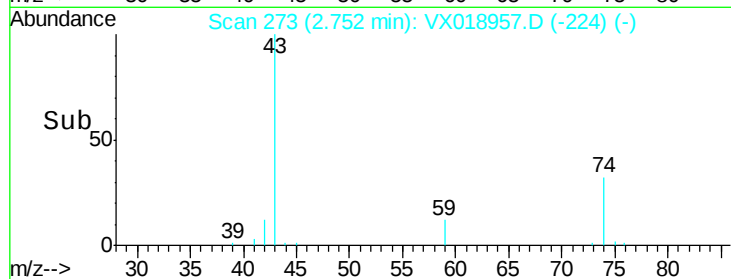
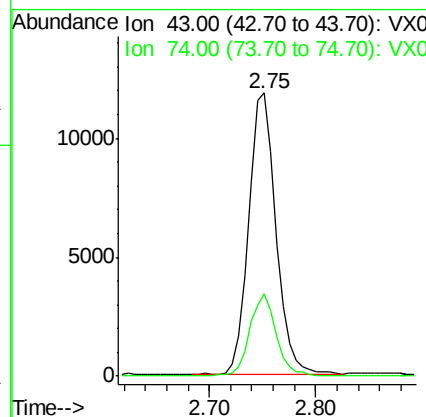
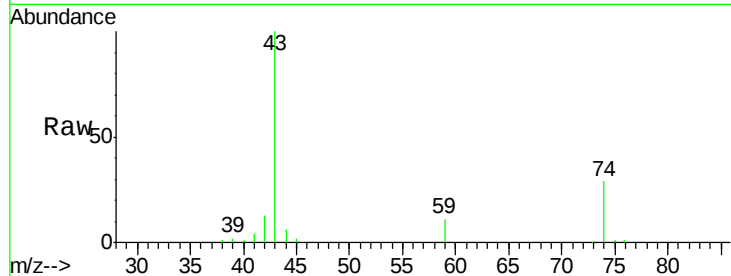
#18
Methyl Acetate
Concen: 17.889 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.00 min
Lab File: VX018957.D
Acq: 19 Oct 2020 17:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 21427
Ion Ratio Lower Upper
43 100
74 28.4 23.0 34.6

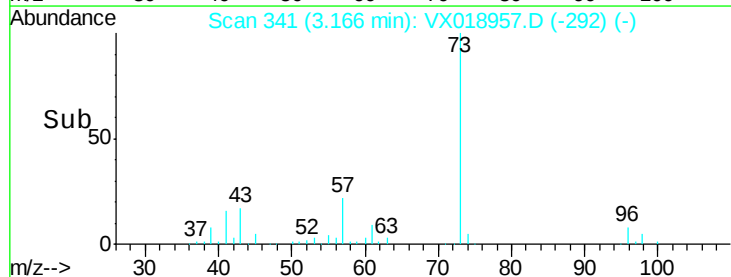
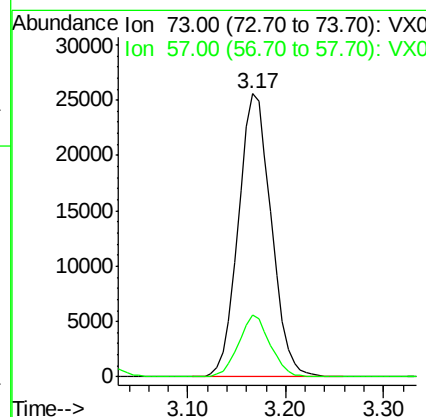
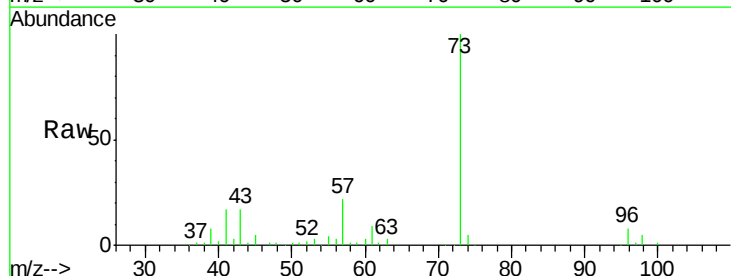
Manual Integrations
APPROVED

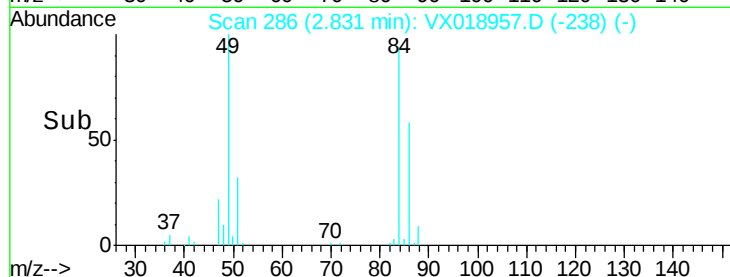
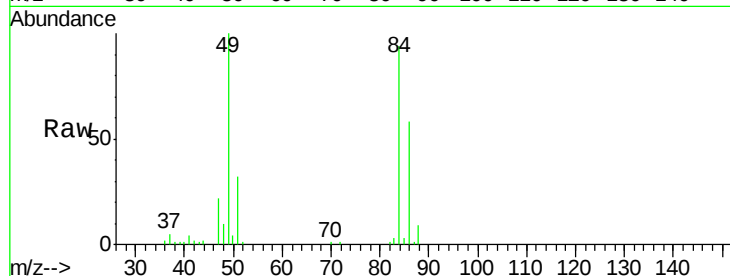
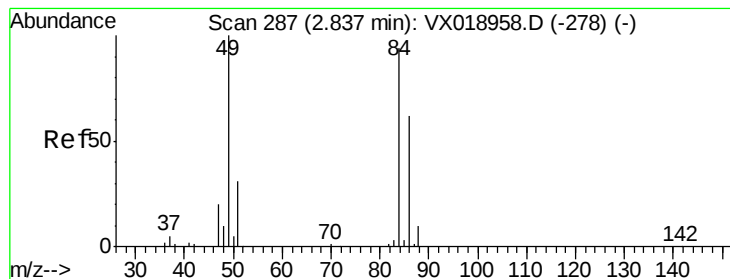
MMDadoda
10/20/2020 4:52:01 PM



#19
Methyl tert-butyl Ether
Concen: 19.222 ug/l
RT: 3.17 min Scan# 341
Delta R.T. 0.00 min
Lab File: VX018957.D
Acq: 19 Oct 2020 17:13

Tgt Ion: 73 Resp: 59685
Ion Ratio Lower Upper
73 100
57 21.8 16.6 25.0





#20

Methylene Chloride

Concen: 18.219 ug/l

RT: 2.83 min Scan# 286

Delta R.T. -0.01 min

Lab File: VX018957.D

Acq: 19 Oct 2020 17:13

Tot Ion:	84	Resp:	20658
Ion	Ratio	Lower	Upper
84	100		
49	106.5	85.1	127.7
51	34.1	26.0	39.0
86	62.2	53.0	79.4

Instrument :

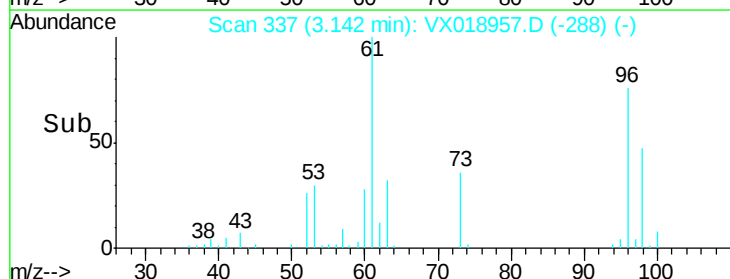
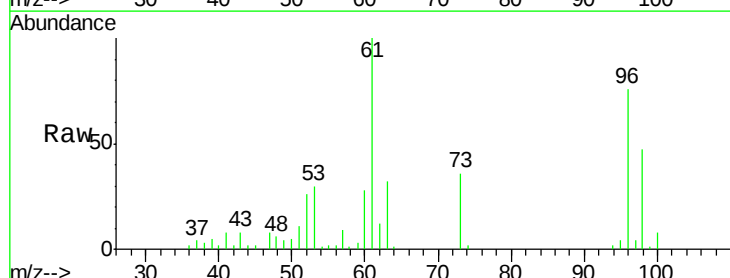
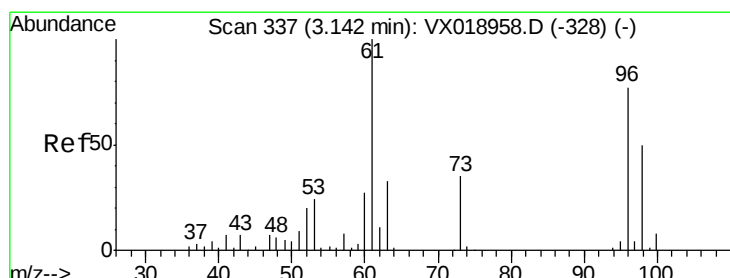
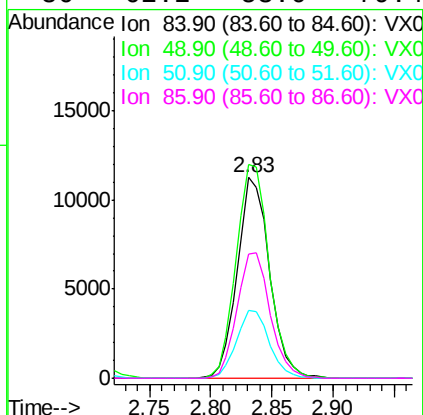
MSVOA_X

ClientSampleId :

VSTDIC020

Manual Integrations
APPROVED

MMDadoda
10/20/2020 4:52:01 PM



#21

trans-1,2-Dichloroethene

Concen: 20.320 ug/l

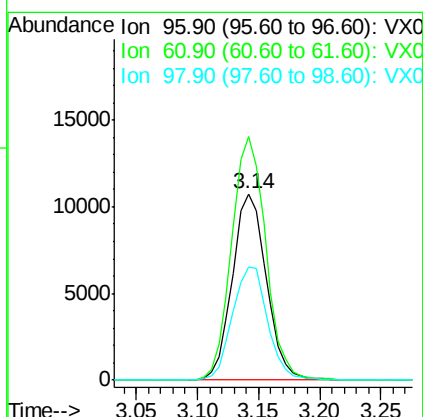
RT: 3.14 min Scan# 337

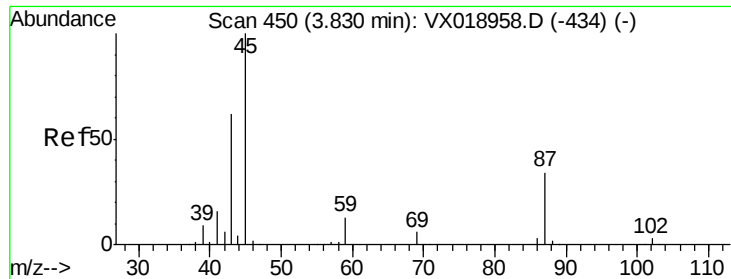
Delta R.T. 0.00 min

Lab File: VX018957.D

Acq: 19 Oct 2020 17:13

Tgt Ion:	96	Resp:	20764
Ion	Ratio	Lower	Upper
96	100		
61	130.8	103.4	155.0
98	60.9	51.7	77.5





#22

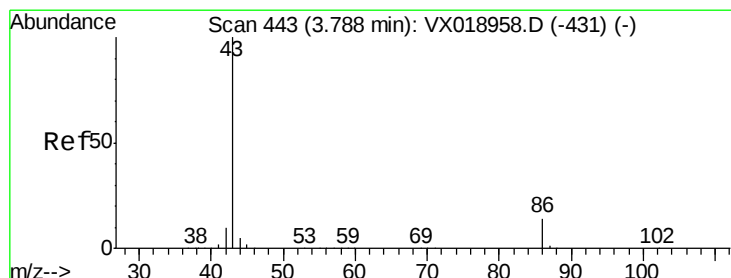
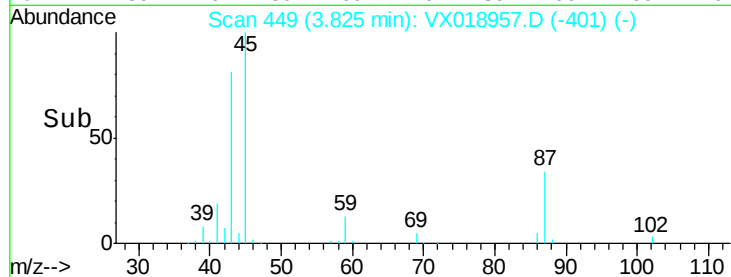
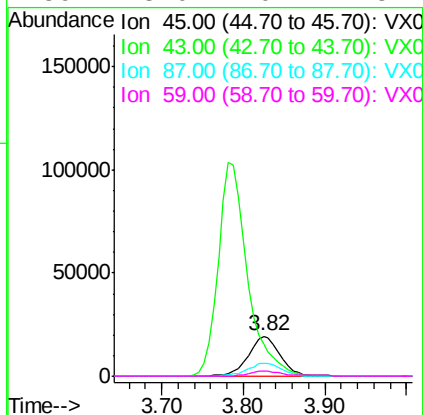
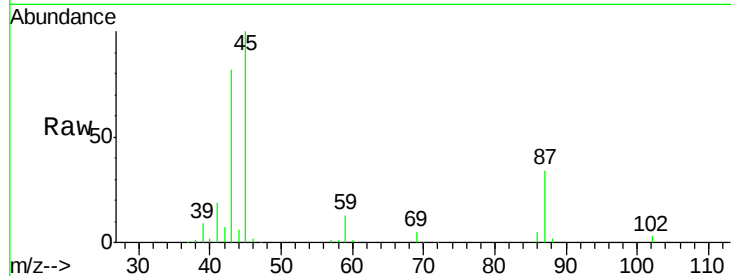
Diisopropyl ether
 Concen: 16.916 ug/l
 RT: 3.82 min Scan# 449
 Delta R.T. -0.01 min
 Lab File: VX018957.D
 Acq: 19 Oct 2020 17:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
45	100		
43	80.9	49.7	74.5#
87	33.9	27.4	41.2
59	13.0	10.1	15.1

Manual Integrations
 APPROVED

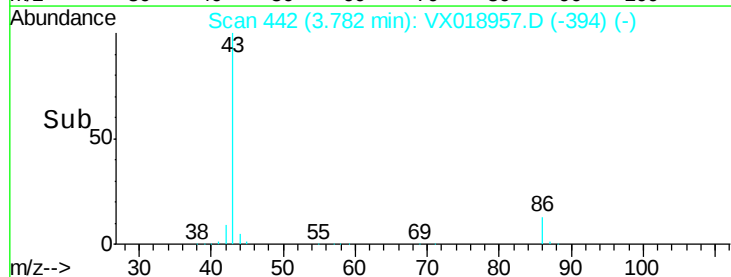
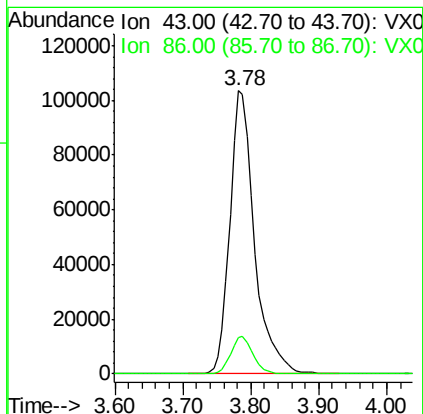
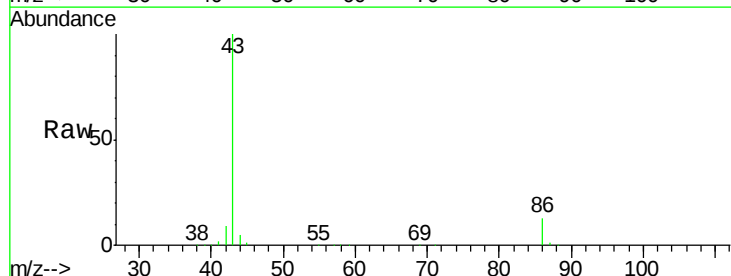
MMDadoda
 10/20/2020 4:52:01 PM

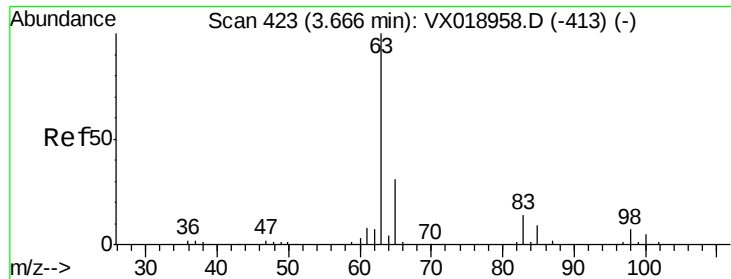


#23

Vinyl Acetate
 Concen: 92.658 ug/l
 RT: 3.78 min Scan# 442
 Delta R.T. -0.01 min
 Lab File: VX018957.D
 Acq: 19 Oct 2020 17:13

Tgt Ion	Ratio	Lower	Upper
43	100		
86	12.7	10.9	16.3





#24

1,1-Dichloroethane

Concen: 19.562 ug/l

RT: 3.67 min Scan# 424

Delta R.T. 0.01 min

Lab File: VX018957.D

Acq: 19 Oct 2020 17:13

Instrument :

MSVOA_X

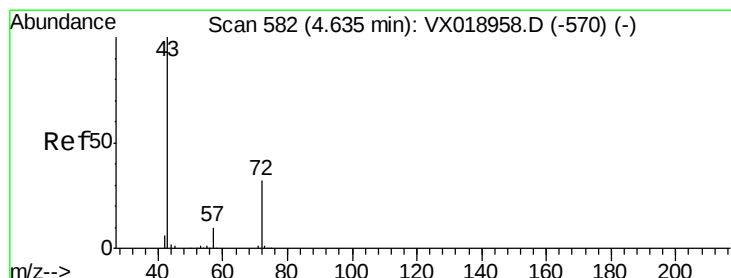
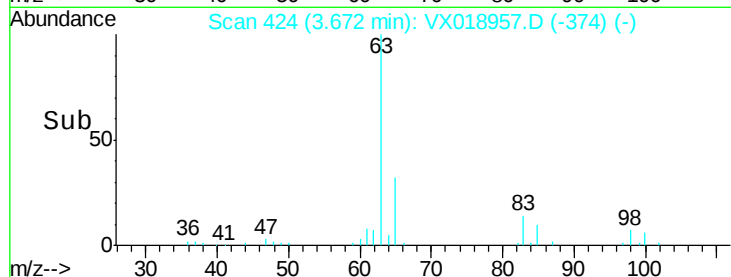
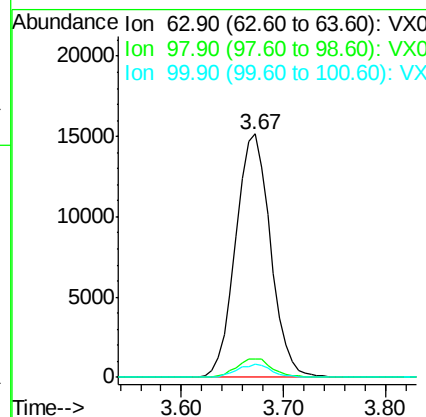
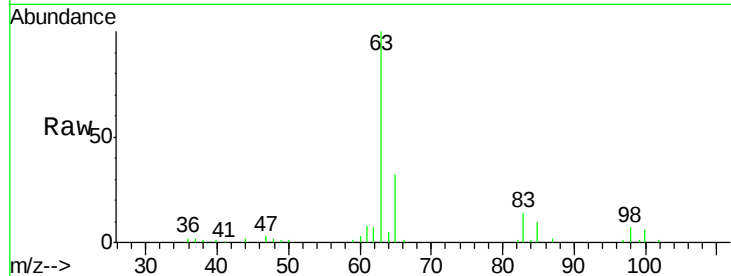
ClientSampleId :

VSTDIC020

Tot Ion:	63	Resp:	35885
Ion Ratio	Lower	Upper	
63	100		
98	7.4	3.6	10.9
100	5.6	2.4	7.1

Manual Integrations
APPROVED

MMDadoda
10/20/2020 4:52:01 PM



#25

2-Butanone

Concen: 91.030 ug/l

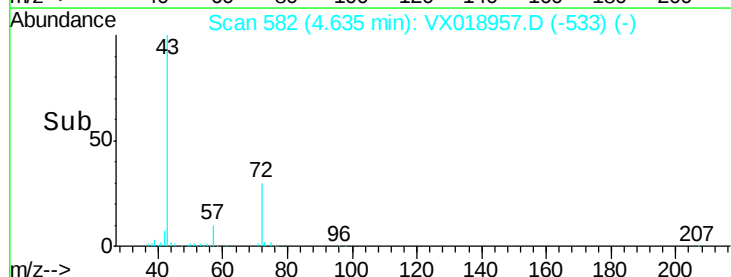
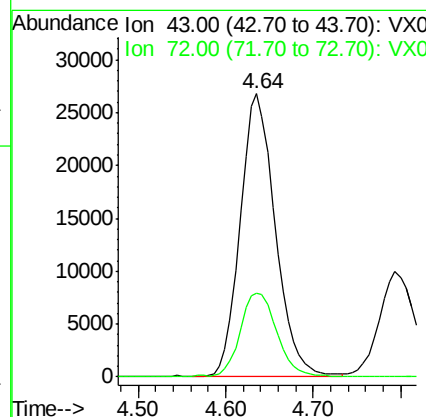
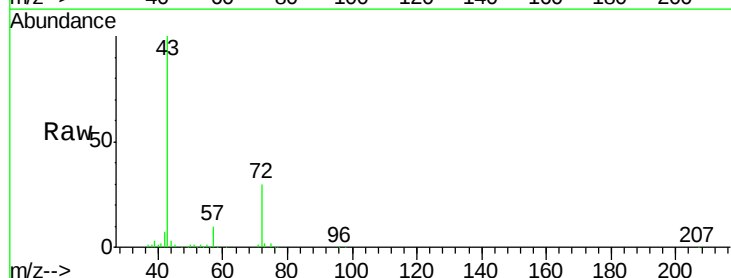
RT: 4.64 min Scan# 582

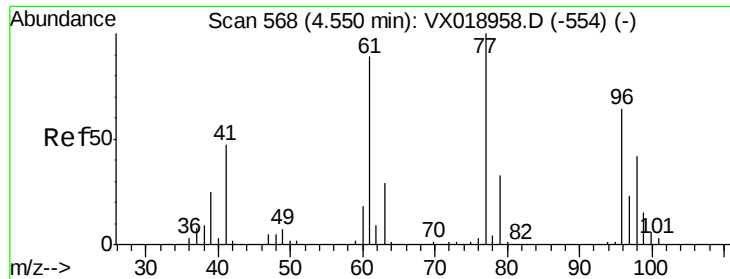
Delta R.T. 0.00 min

Lab File: VX018957.D

Acq: 19 Oct 2020 17:13

Tgt Ion:	43	Resp:	74114
Ion Ratio	Lower	Upper	
43	100		
72	29.4	25.8	38.6





#26

2,2-Dichloropropane

Concen: 21.942 ug/l

RT: 4.55 min Scan# 568

Delta R.T. 0.00 min

Lab File: VX018957.D

Acq: 19 Oct 2020 17:13

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion: 77 Resp: 33689

Ion Ratio Lower Upper

77 100

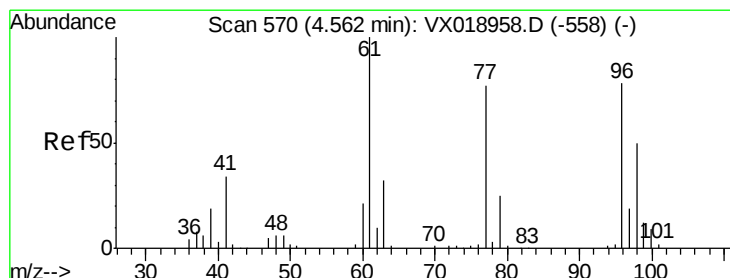
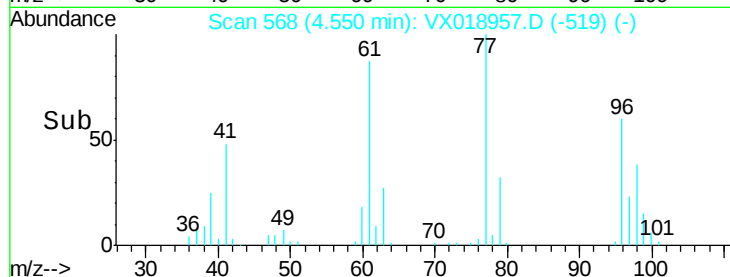
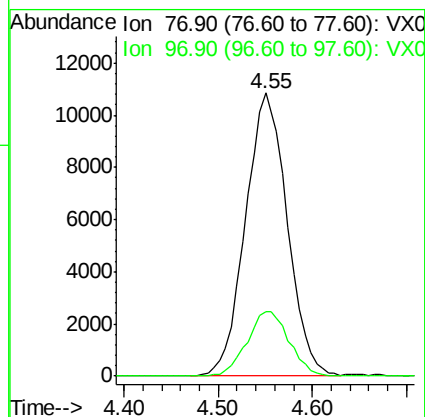
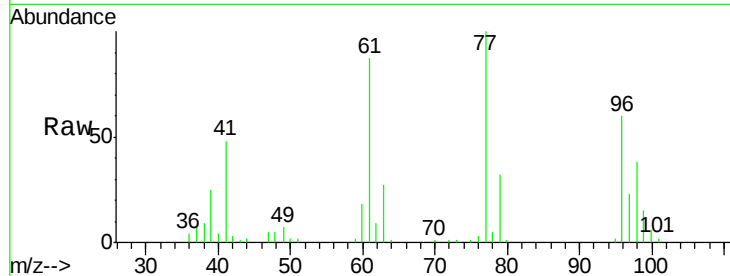
97 23.0 11.6 34.8

Manual Integrations

APPROVED

MMDadoda

10/20/2020 4:52:01 PM



#27

cis-1,2-Dichloroethene

Concen: 20.458 ug/l

RT: 4.56 min Scan# 570

Delta R.T. 0.00 min

Lab File: VX018957.D

Acq: 19 Oct 2020 17:13

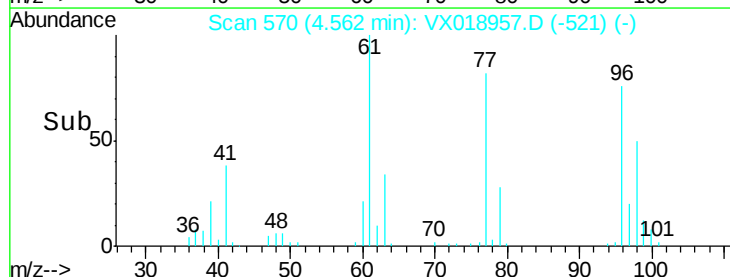
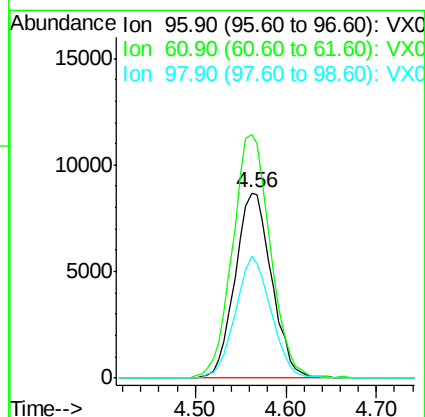
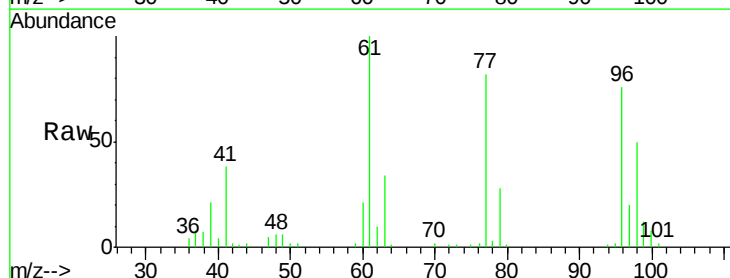
Tgt Ion: 96 Resp: 24264

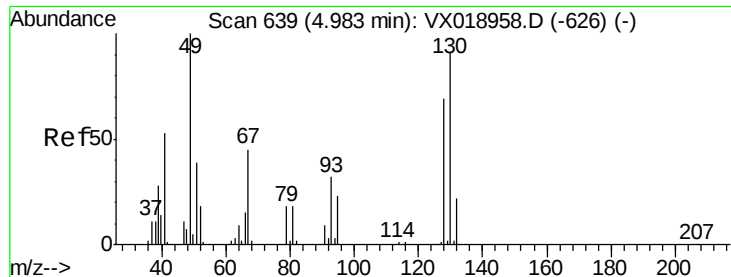
Ion Ratio Lower Upper

96 100

61 136.3 0.0 265.2

98 63.9 0.0 128.4





#28

Bromochloromethane

Concen: 17.257 ug/l

RT: 4.98 min Scan# 639

Delta R.T. 0.00 min

Lab File: VX018957.D

Acq: 19 Oct 2020 17:13

Instrument :

MSVOA_X

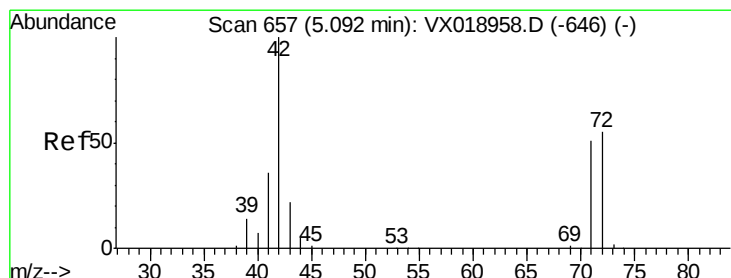
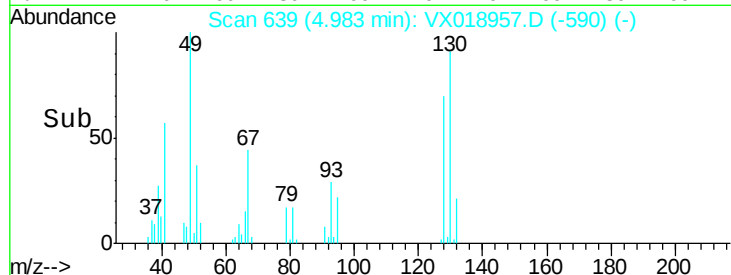
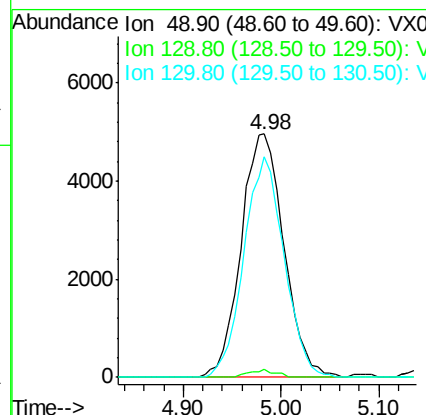
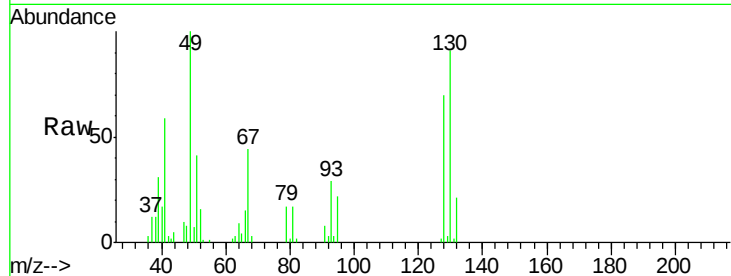
ClientSampleId :

VSTDIC020

Tot Ion: 49 Resp: 15057
 Ion Ratio Lower Upper
 49 100
 129 2.0 0.0 4.2
 130 85.1 72.0 108.0

Manual Integrations
 APPROVED

MMDadoda
 10/20/2020 4:52:01 PM



#29

Tetrahydrofuran

Concen: 83.453 ug/l

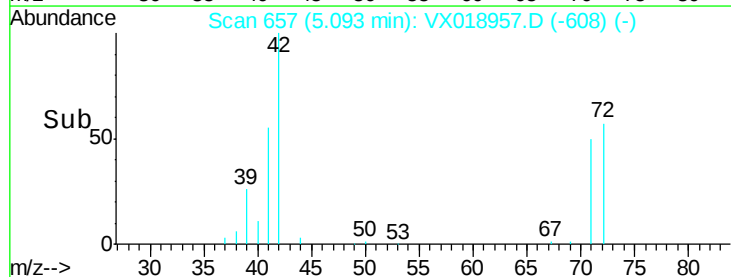
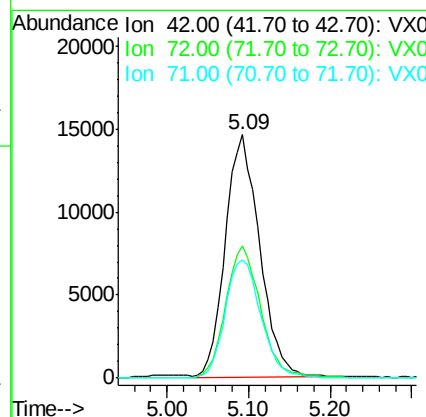
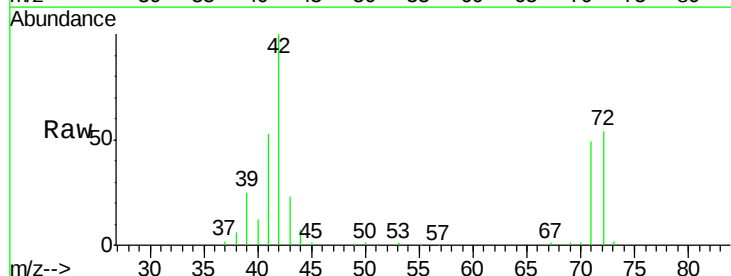
RT: 5.09 min Scan# 657

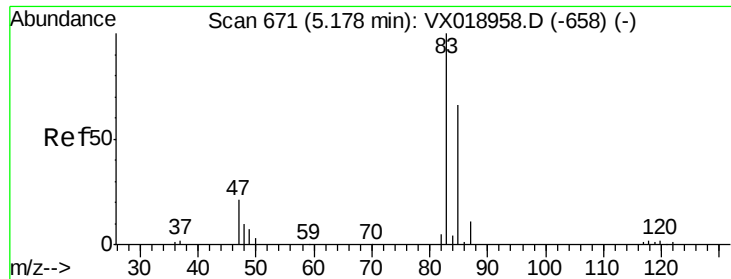
Delta R.T. 0.00 min

Lab File: VX018957.D

Acq: 19 Oct 2020 17:13

Tgt Ion: 42 Resp: 42642
 Ion Ratio Lower Upper
 42 100
 72 55.8 44.9 67.3
 71 50.9 41.0 61.6





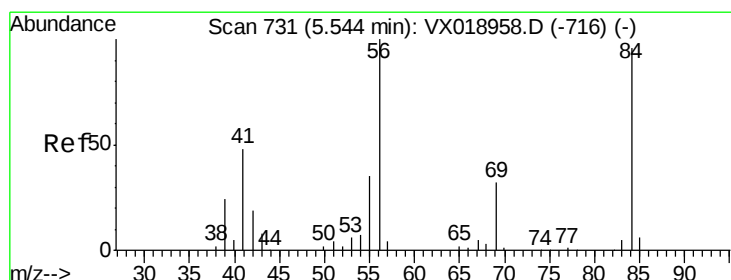
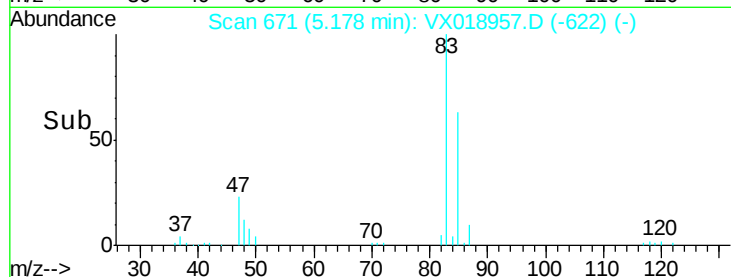
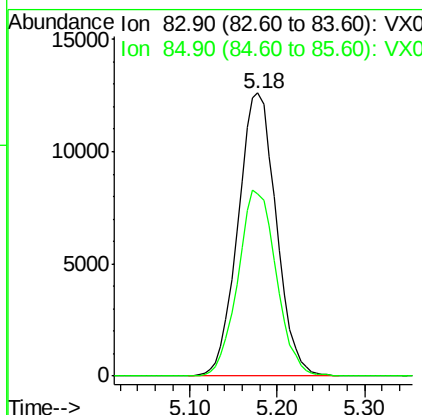
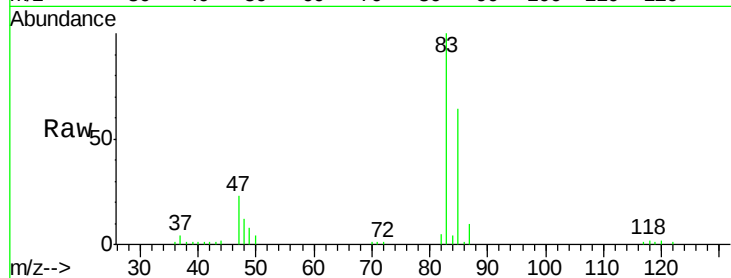
#30
Chloroform
Concen: 19.925 ug/l
RT: 5.18 min Scan# 671
Delta R.T. 0.00 min
Lab File: VX018957.D
Acq: 19 Oct 2020 17:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	83	Resp	38219
Ion Ratio	100	Lower	Upper
85	64.2	52.6	78.8

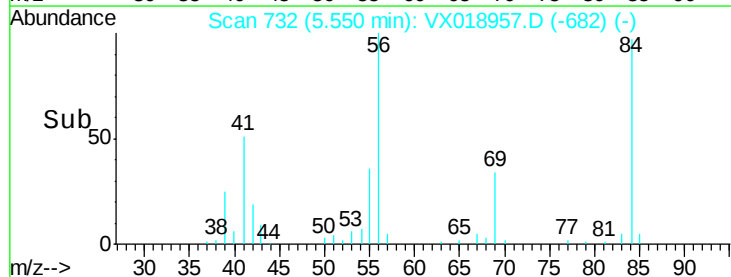
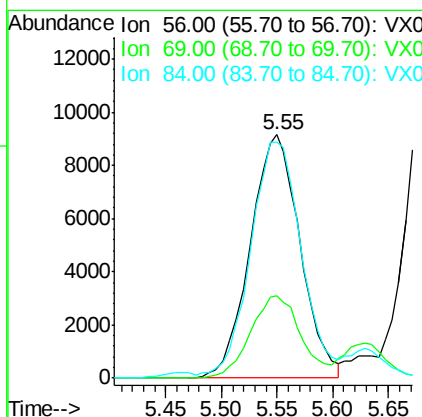
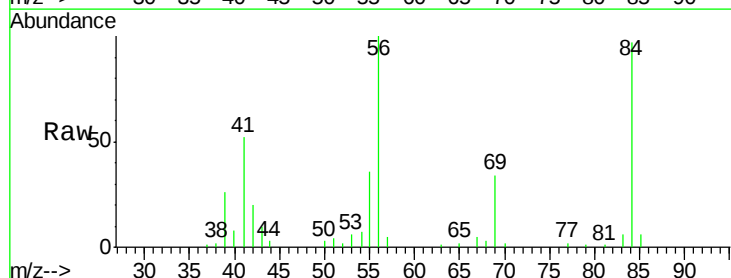
Manual Integrations
APPROVED

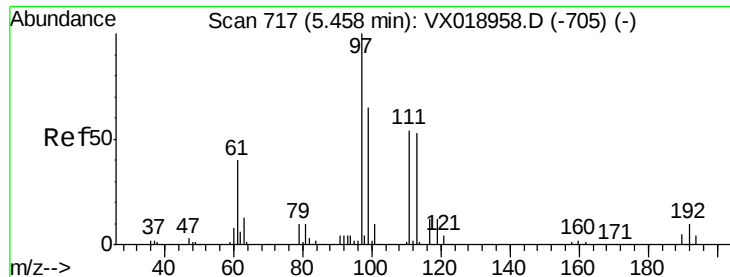
MMDadoda
10/20/2020 4:52:01 PM



#31
Cyclohexane
Concen: 18.605 ug/l
RT: 5.55 min Scan# 732
Delta R.T. 0.01 min
Lab File: VX018957.D
Acq: 19 Oct 2020 17:13

Tgt Ion	56	Resp	28474
Ion Ratio	100	Lower	Upper
69	34.0	25.4	38.0
84	94.4	75.4	113.0





#32

1,1,1-Trichloroethane

Concen: 19.600 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.01 min

Lab File: VX018957.D

Acq: 19 Oct 2020 17:13

Instrument :

MSVOA_X

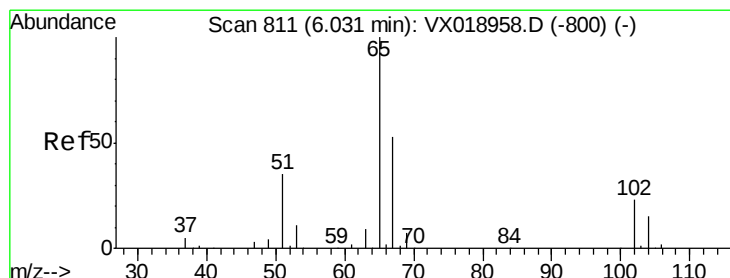
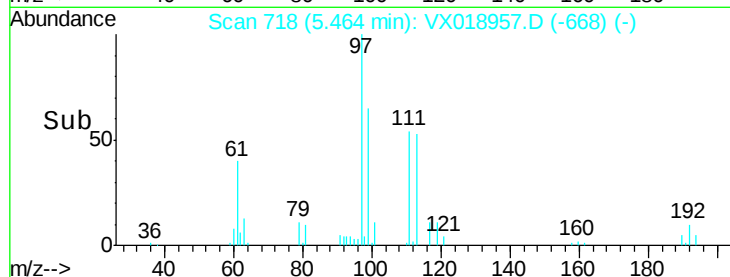
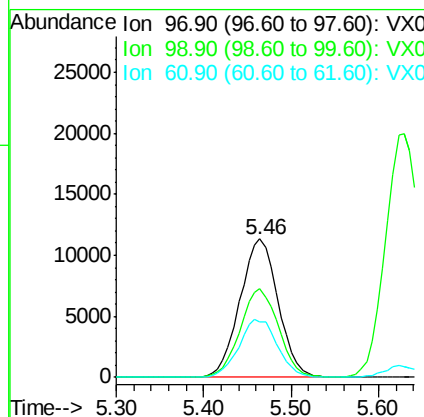
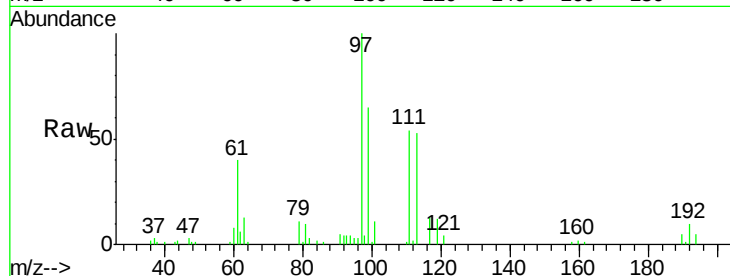
ClientSampleId :

VSTDIC020

Tot Ion:	97	Resp:	34502
Ion	Ratio	Lower	Upper
97	100		
99	64.2	50.5	75.7
61	42.3	32.3	48.5

Manual Integrations
APPROVED

MMDadoda
10/20/2020 4:52:01 PM



#33

1,2-Dichloroethane-d4

Concen: 17.176 ug/l

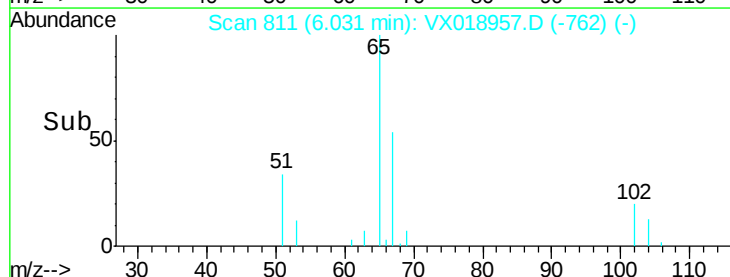
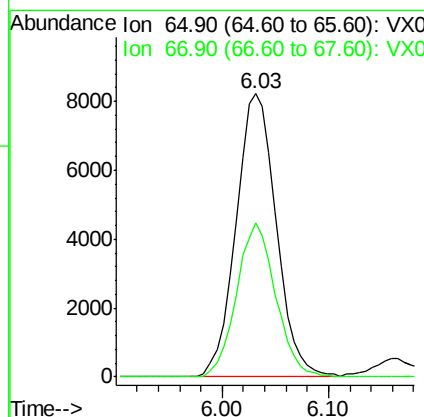
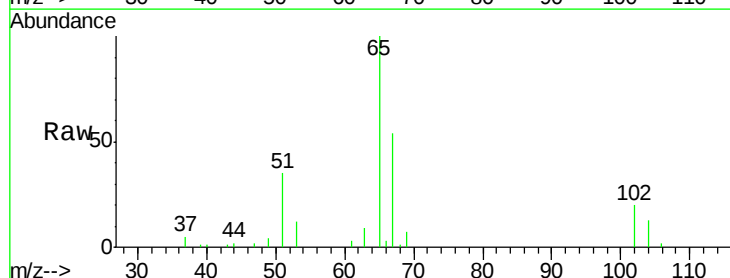
RT: 6.03 min Scan# 811

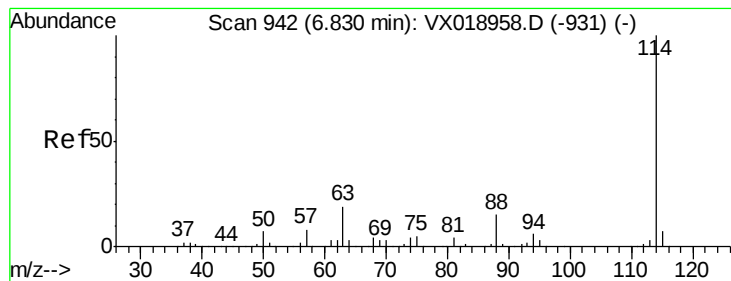
Delta R.T. 0.00 min

Lab File: VX018957.D

Acq: 19 Oct 2020 17:13

Tgt Ion:	65	Resp:	21779
Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.00 min

Lab File: VX018957.D

Acq: 19 Oct 2020 17:13

Instrument :

MSVOA_X

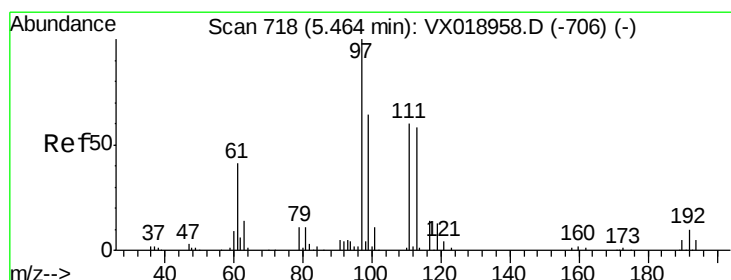
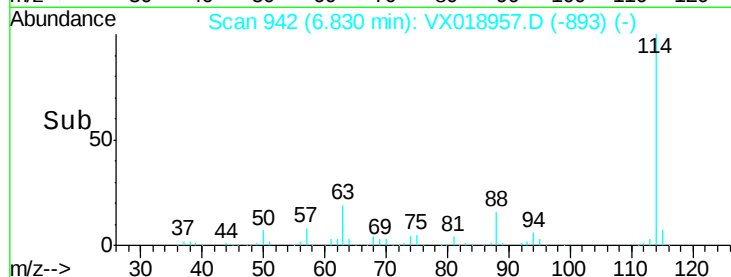
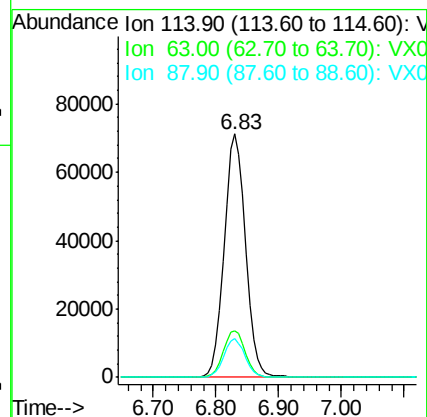
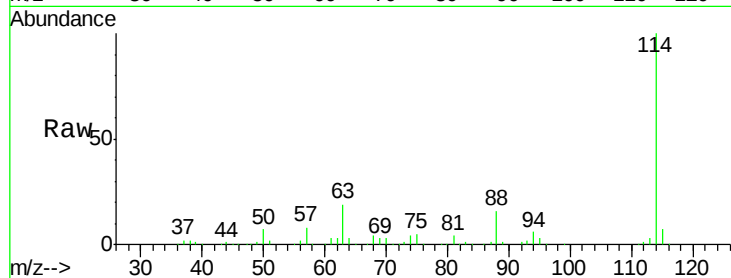
ClientSampleId :

VSTDIC020

Tot Ion:	114	Resp:	167666
Ion Ratio	Lower	Upper	
114	100		
63	19.1	0.0	38.0
88	16.2	0.0	30.8

Manual Integrations
APPROVED

MMDadoda
10/20/2020 4:52:01 PM



#35

Dibromofluoromethane

Concen: 15.406 ug/l

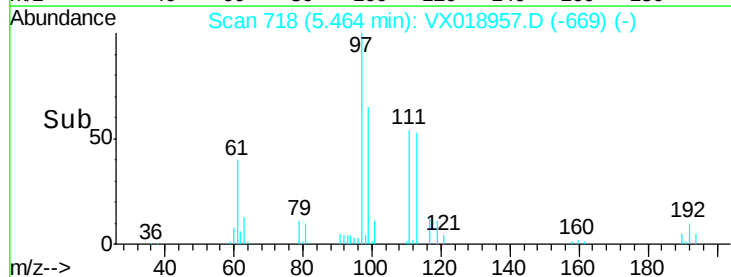
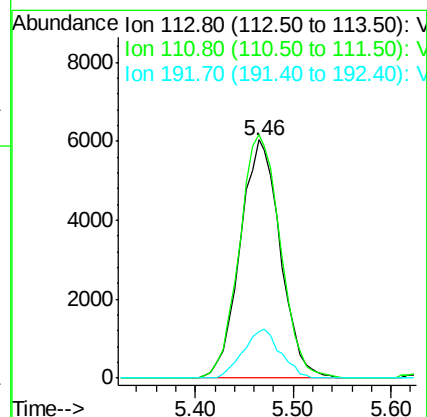
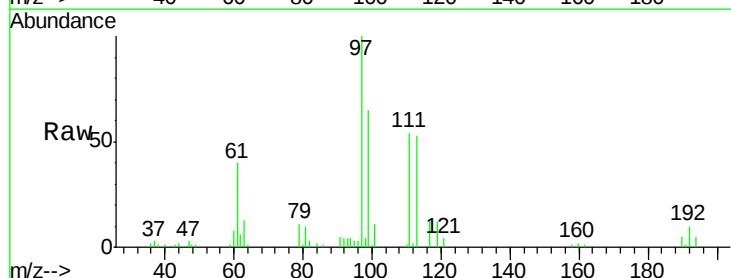
RT: 5.46 min Scan# 718

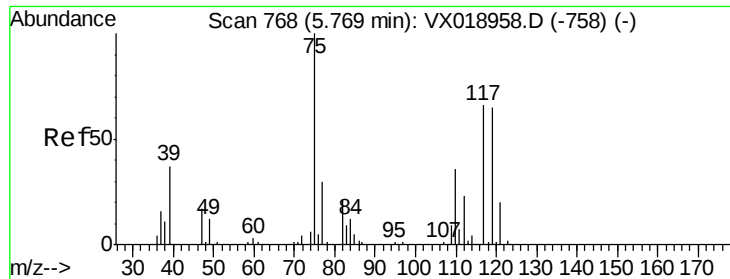
Delta R.T. 0.00 min

Lab File: VX018957.D

Acq: 19 Oct 2020 17:13

Tgt Ion:	113	Resp:	17169
Ion Ratio	Lower	Upper	
113	100		
111	104.1	80.8	121.2
192	19.0	14.5	21.7





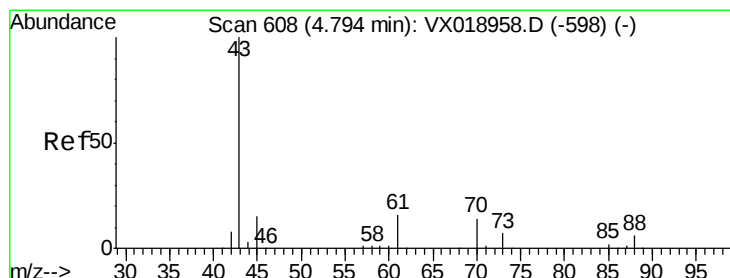
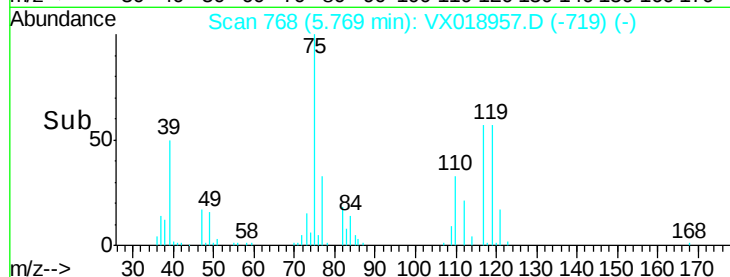
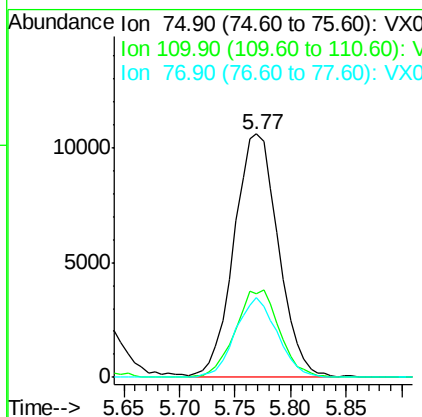
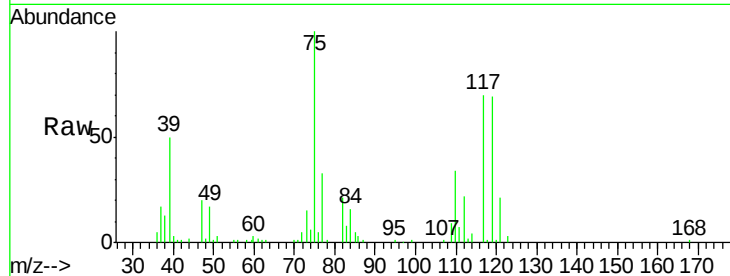
#36
 1,1-Dichloropropene
 Concen: 19.037 ug/l
 RT: 5.77 min Scan# 768
 Delta R.T. 0.00 min
 Lab File: VX018957.D
 Acq: 19 Oct 2020 17:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
110	35.7	18.3	54.8
77	30.9	25.0	37.4

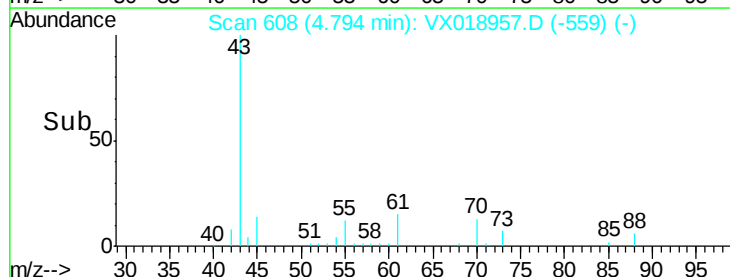
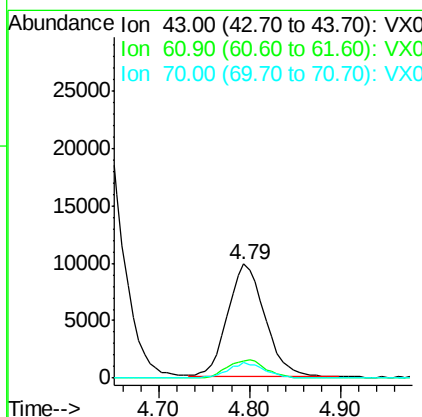
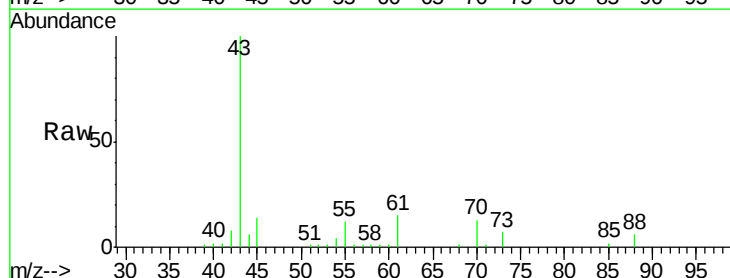
Manual Integrations
 APPROVED

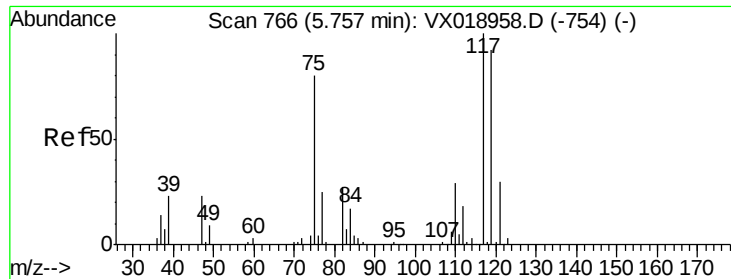
MMDadoda
 10/20/2020 4:52:01 PM



#37
 Ethyl Acetate
 Concen: 16.204 ug/l
 RT: 4.79 min Scan# 608
 Delta R.T. 0.00 min
 Lab File: VX018957.D
 Acq: 19 Oct 2020 17:13

Tgt Ion	Ratio	Lower	Upper
43	100		
61	16.6	12.7	19.1
70	13.1	10.6	15.8





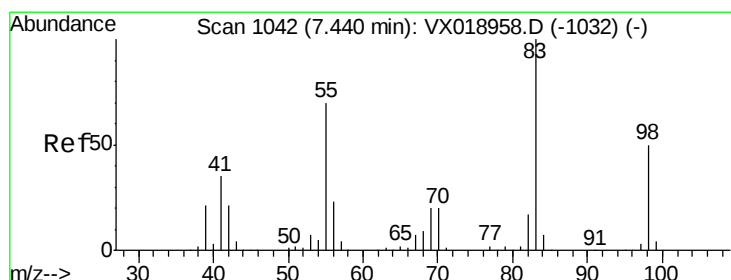
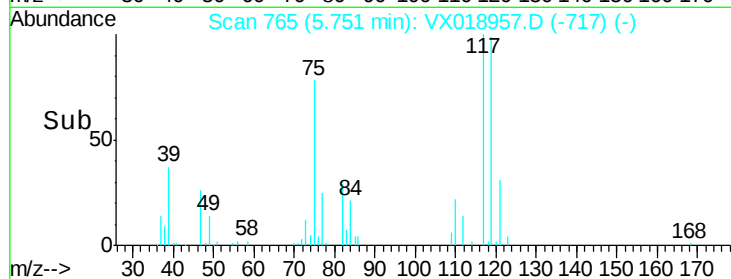
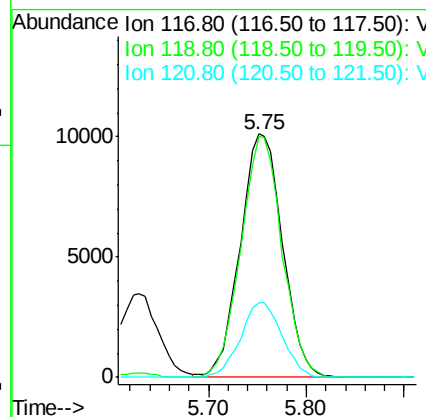
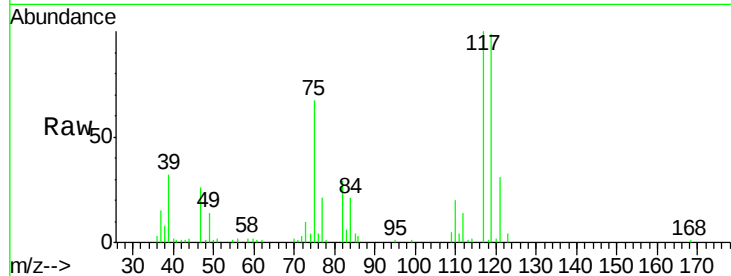
#38
Carbon Tetrachloride
Concen: 17.611 ug/l
RT: 5.75 min Scan# 765
Delta R.T. -0.01 min
Lab File: VX018957.D
Acq: 19 Oct 2020 17:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
119	99.2	73.2	109.8
121	30.8	23.5	35.3

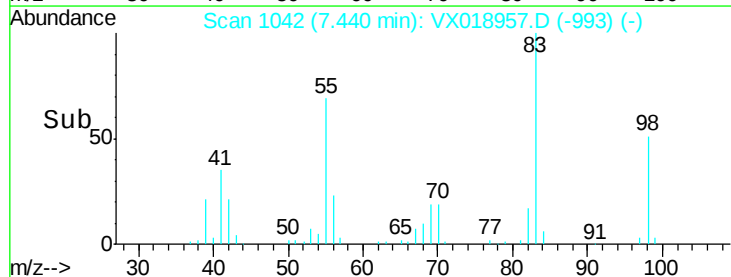
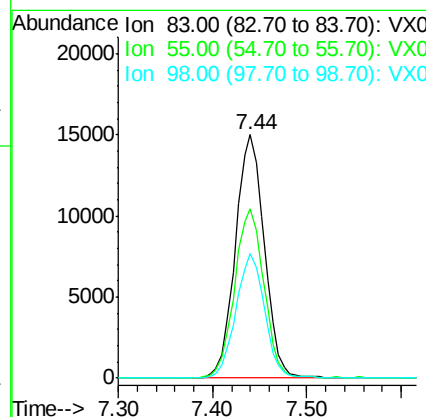
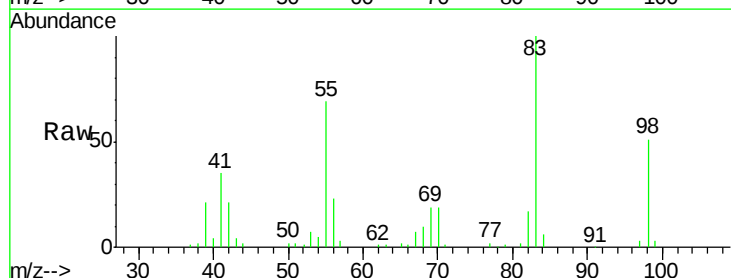
Manual Integrations
APPROVED

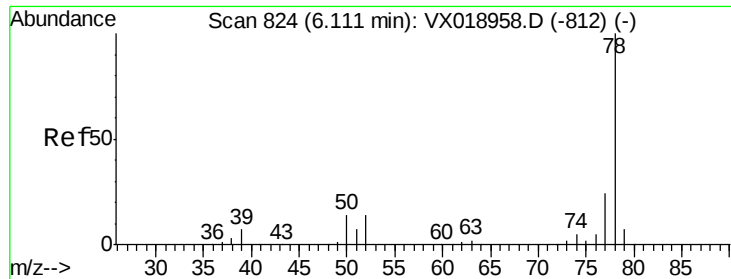
MMDadoda
10/20/2020 4:52:01 PM



#39
Methylcyclohexane
Concen: 19.010 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VX018957.D
Acq: 19 Oct 2020 17:13

Tgt Ion	Ratio	Lower	Upper
83	100		
55	69.4	56.3	84.5
98	50.9	39.8	59.6





#40

Benzene

Concen: 18.898 ug/l

RT: 6.11 min Scan# 824

Delta R.T. 0.00 min

Lab File: VX018957.D

Acq: 19 Oct 2020 17:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 78 Resp: 86177

Ion Ratio Lower Upper

78 100

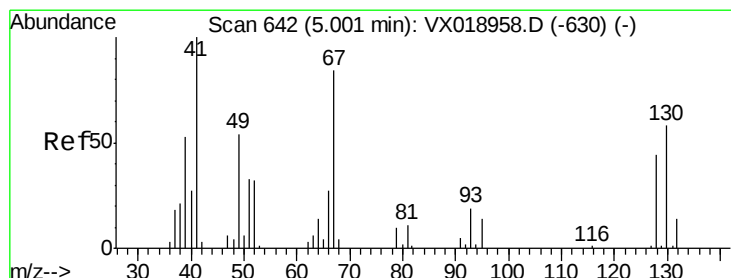
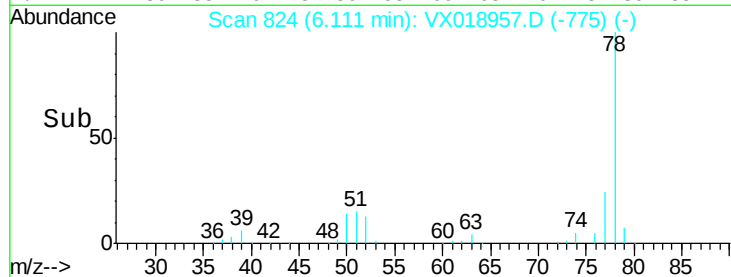
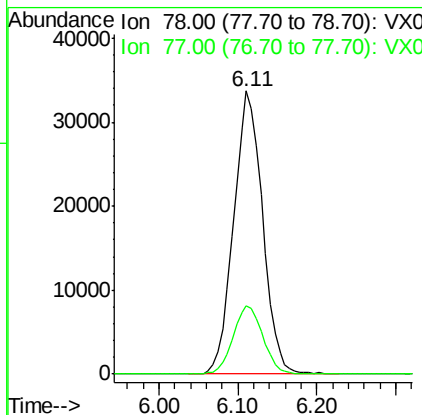
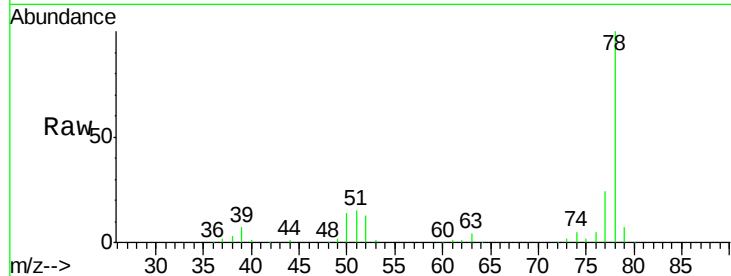
77 24.2 19.2 28.8

Manual Integrations

APPROVED

MMDadoda

10/20/2020 4:52:01 PM



#41

Methacrylonitrile

Concen: 15.839 ug/l

RT: 5.00 min Scan# 642

Delta R.T. 0.00 min

Lab File: VX018957.D

Acq: 19 Oct 2020 17:13

Tgt Ion: 41 Resp: 15146

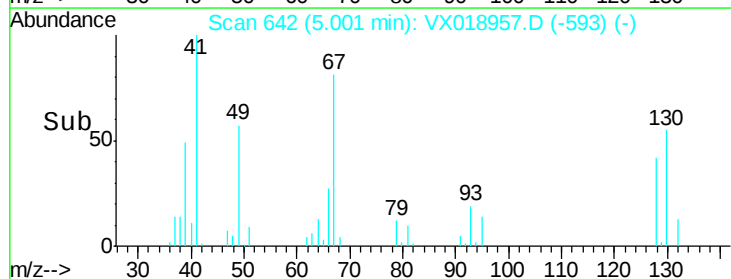
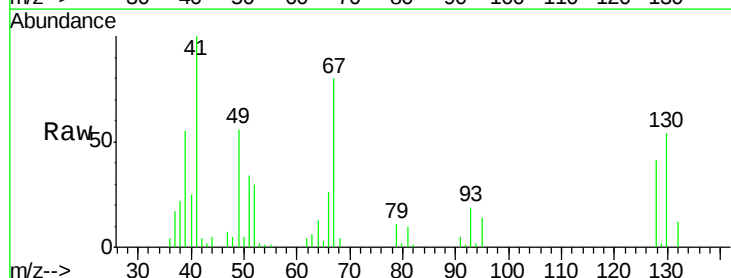
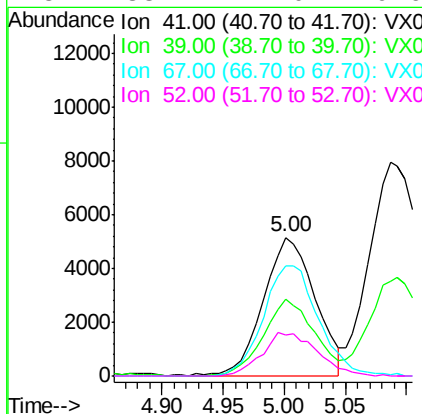
Ion Ratio Lower Upper

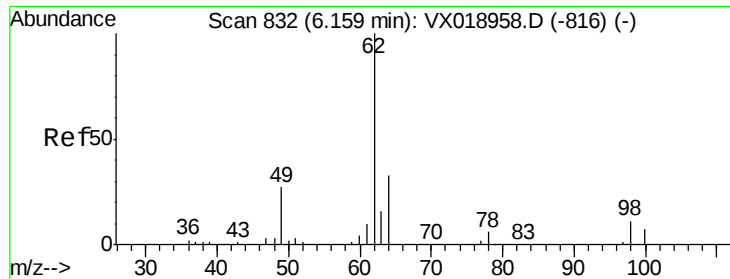
41 100

39 55.0 43.7 65.5

67 85.2 70.9 106.3

52 33.7 27.0 40.6





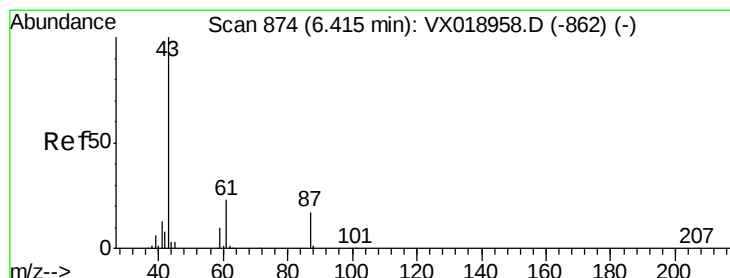
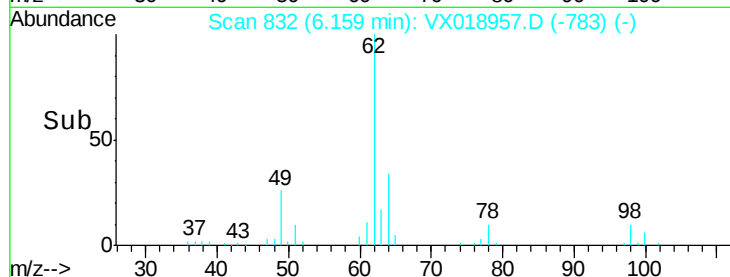
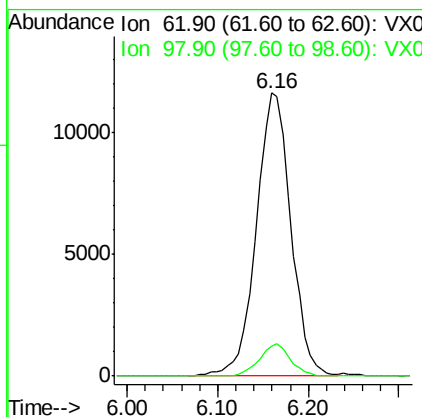
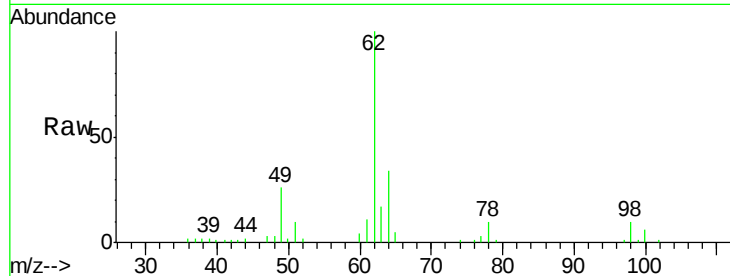
#42
 1,2-Dichloroethane
 Concen: 17.889 ug/l
 RT: 6.16 min Scan# 832
 Delta R.T. 0.00 min
 Lab File: VX018957.D
 Acq: 19 Oct 2020 17:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
62	100	30748		
98	10.0	0.0	20.6	

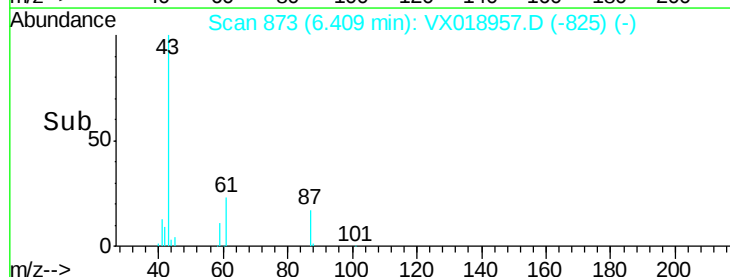
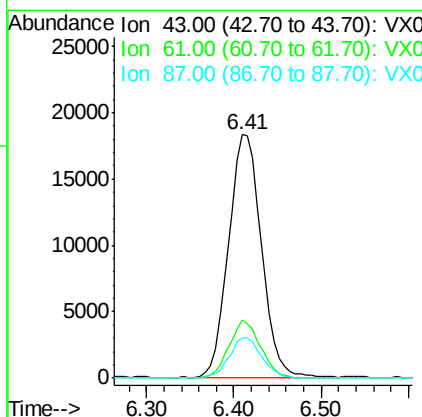
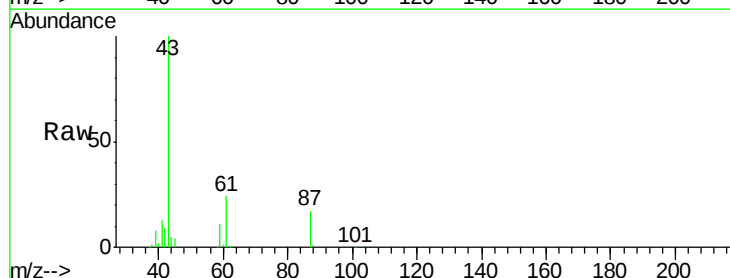
Manual Integrations
 APPROVED

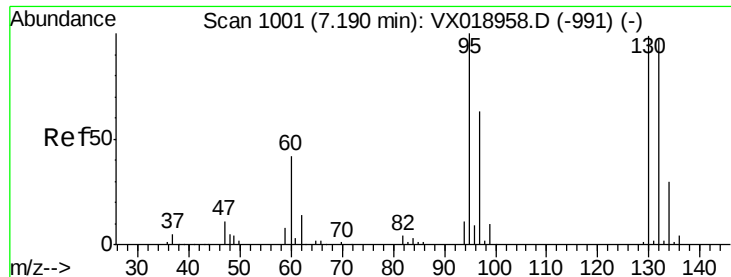
MMDadoda
 10/20/2020 4:52:01 PM



#43
 Isopropyl Acetate
 Concen: 17.070 ug/l
 RT: 6.41 min Scan# 873
 Delta R.T. -0.01 min
 Lab File: VX018957.D
 Acq: 19 Oct 2020 17:13

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	48268		
61	22.7	18.3	27.5	
87	16.2	13.4	20.2	





#44

Trichloroethene

Concen: 17.868 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VX018957.D

Acq: 19 Oct 2020 17:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:130 Resp: 22766

Ion Ratio Lower Upper

130 100

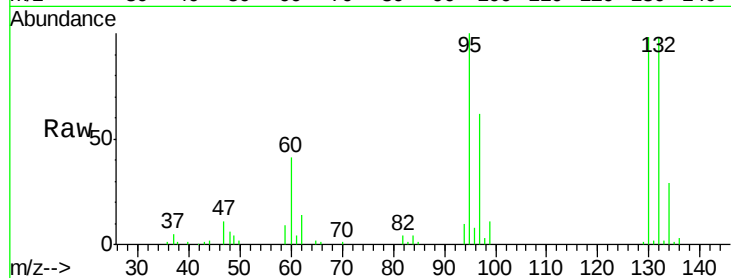
95 101.9 0.0 201.0

Manual Integrations

APPROVED

MMDadoda

10/20/2020 4:52:01 PM



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.19

12000

10000

8000

6000

4000

2000

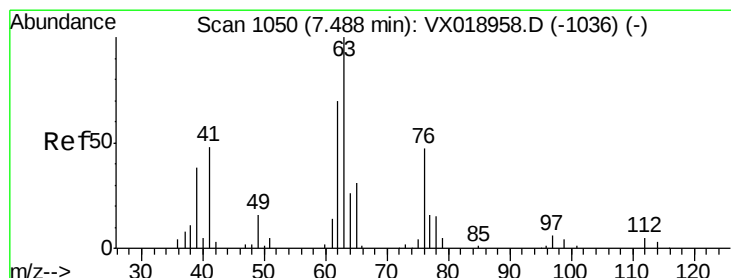
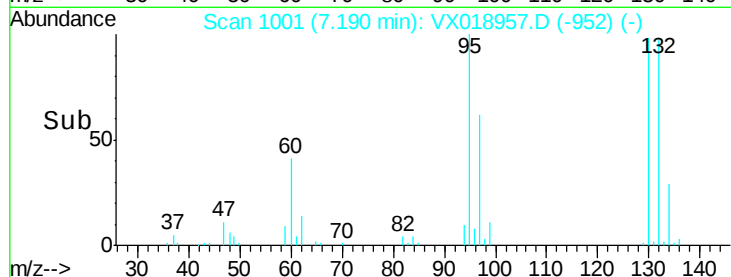
0

Time-->

7.10

7.20

7.30



#45

1,2-Dichloropropane

Concen: 17.513 ug/l

RT: 7.49 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VX018957.D

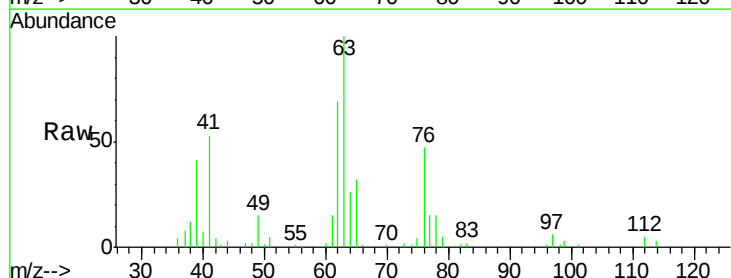
Acq: 19 Oct 2020 17:13

Tgt Ion: 63 Resp: 21092

Ion Ratio Lower Upper

63 100

65 31.5 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.49

12000

10000

8000

6000

4000

2000

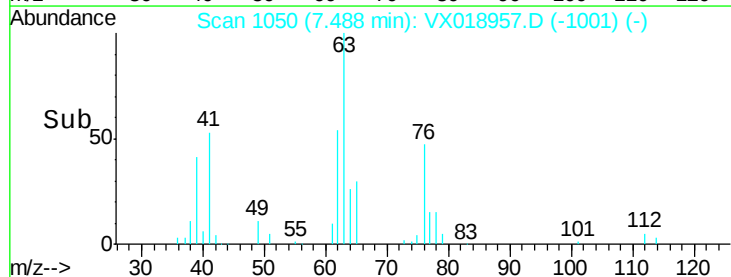
0

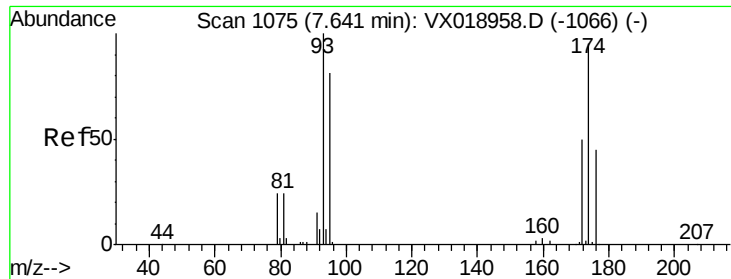
Time-->

7.40

7.50

7.60





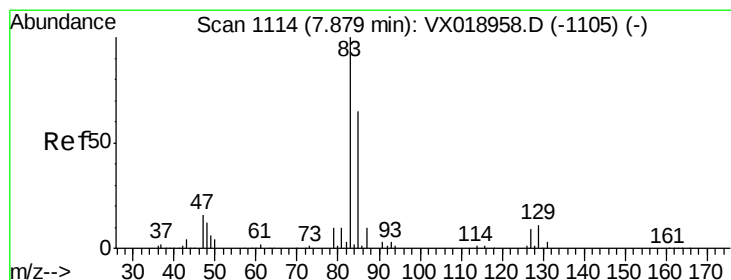
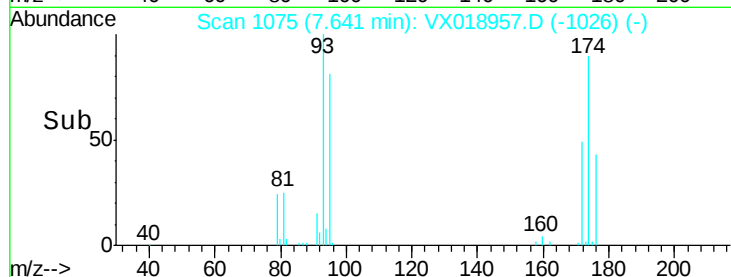
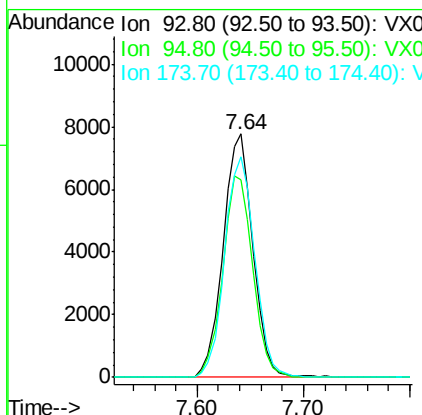
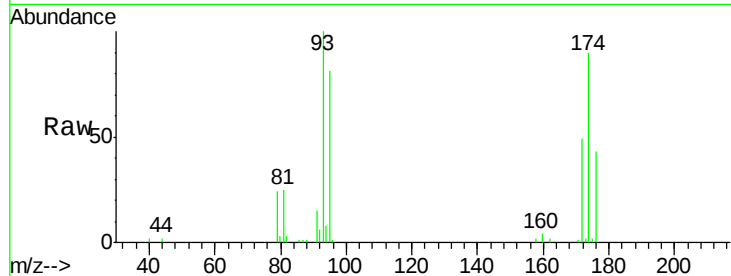
#46
Dibromomethane
Concen: 17.710 ug/l
RT: 7.64 min Scan# 1075
Delta R.T. 0.00 min
Lab File: VX018957.D
Acq: 19 Oct 2020 17:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
93	100		
95	83.2	66.6	100.0
174	92.1	73.8	110.8

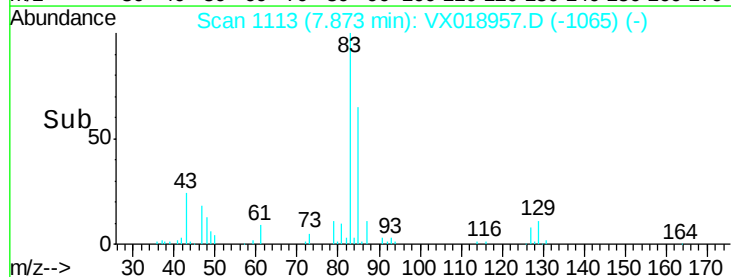
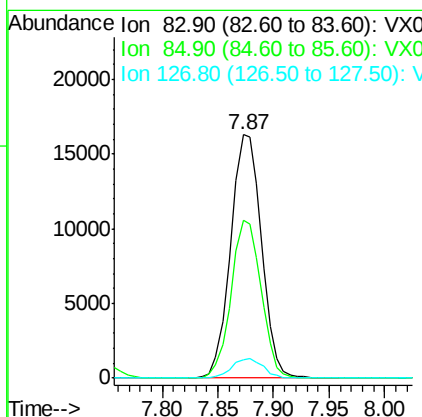
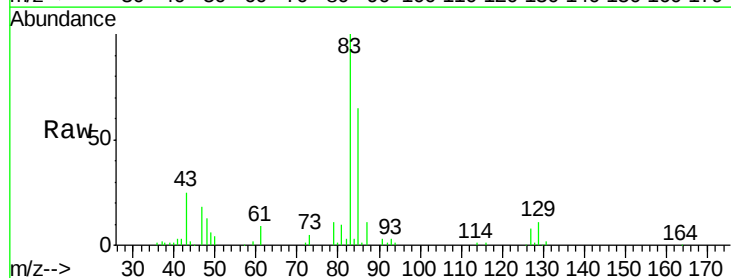
Manual Integrations
APPROVED

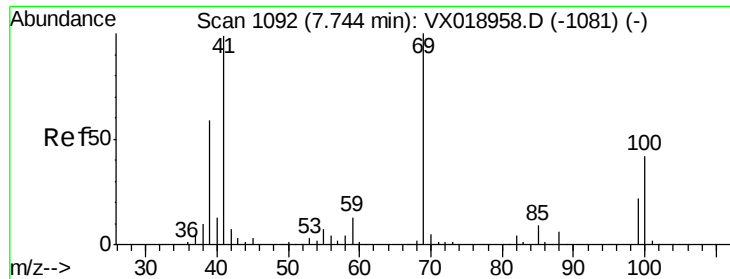
MMDadoda
10/20/2020 4:52:01 PM



#47
Bromodichloromethane
Concen: 18.296 ug/l
RT: 7.87 min Scan# 1113
Delta R.T. -0.01 min
Lab File: VX018957.D
Acq: 19 Oct 2020 17:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	52.4	78.6
127	7.7	7.3	10.9





#48

Methvl methacrylate

Concen: 16.206 ug/l

RT: 7.74 min Scan# 1092

Delta R.T. 0.00 min

Lab File: VX018957.D

Acq: 19 Oct 2020 17:13

Instrument :

MSVOA_X

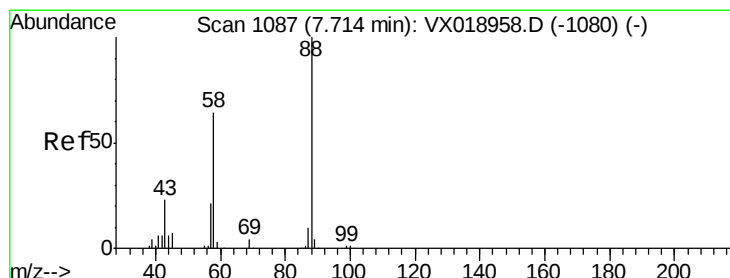
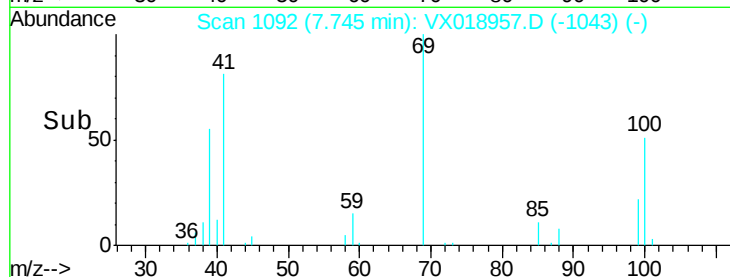
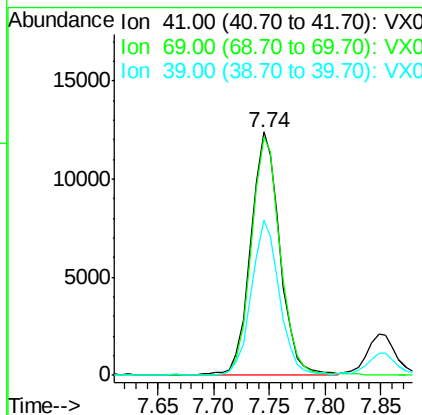
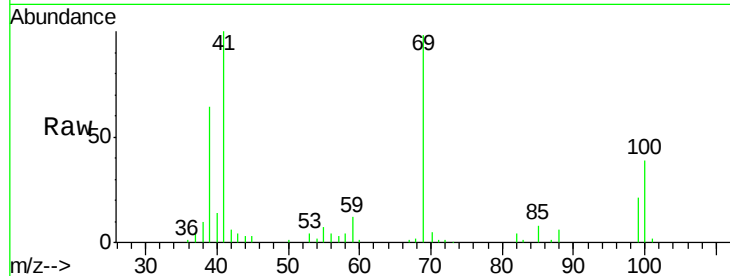
ClientSampleId :

VSTDIC020

Tot Ion:	41	Resp:	22588
Ion	Ratio	Lower	Upper
41	100		
69	97.2	82.4	123.6
39	61.2	48.1	72.1

Manual Integrations
APPROVED

MMDadoda
10/20/2020 4:52:01 PM



#49

1,4-Dioxane

Concen: 388.038 ug/l

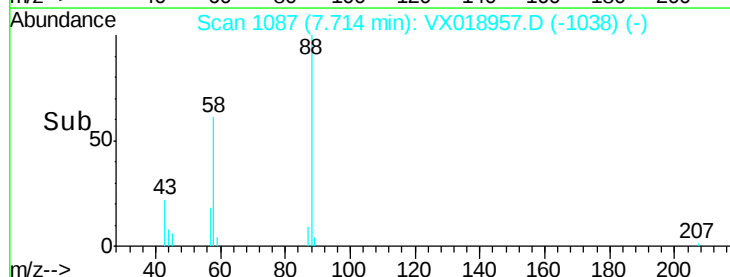
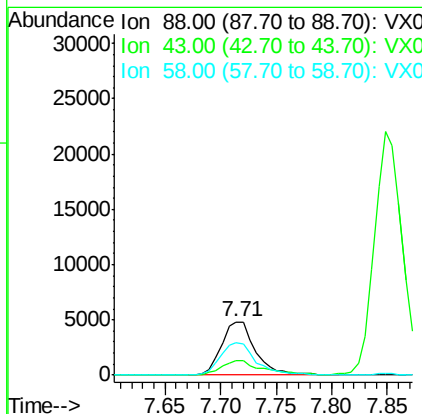
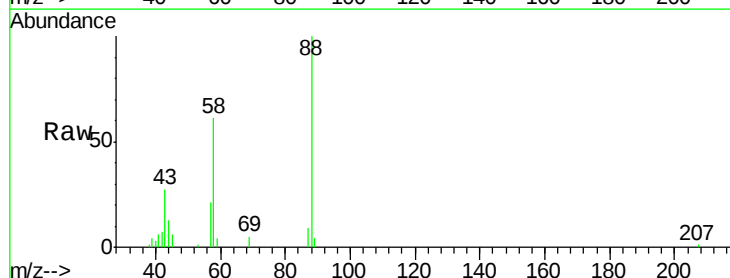
RT: 7.71 min Scan# 1087

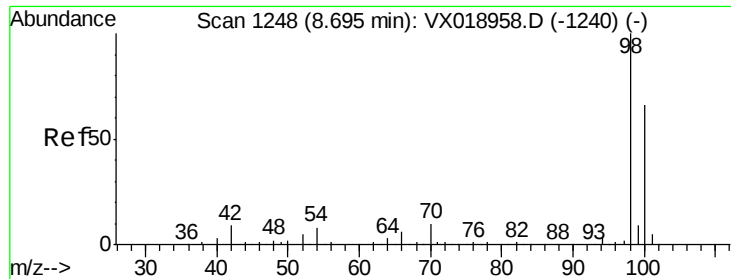
Delta R.T. 0.00 min

Lab File: VX018957.D

Acq: 19 Oct 2020 17:13

Tgt Ion:	88	Resp:	10108
Ion	Ratio	Lower	Upper
88	100		
43	32.8	21.1	31.7#
58	63.8	50.3	75.5





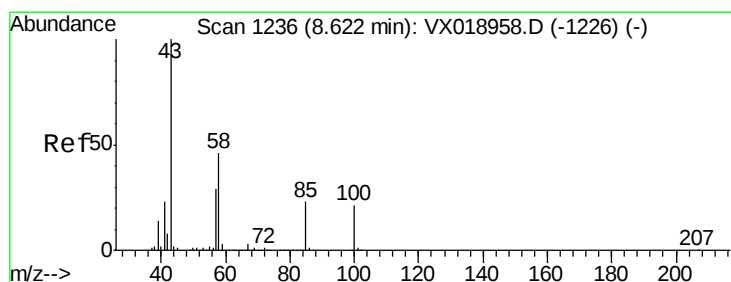
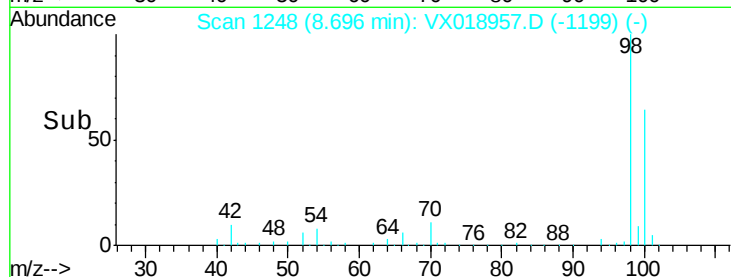
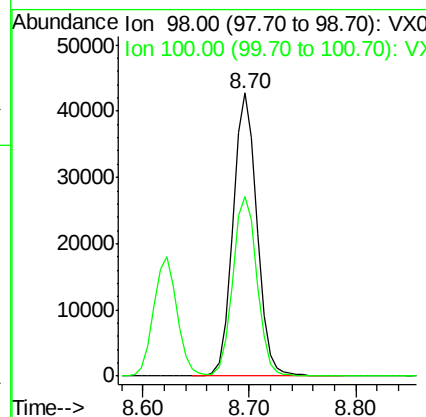
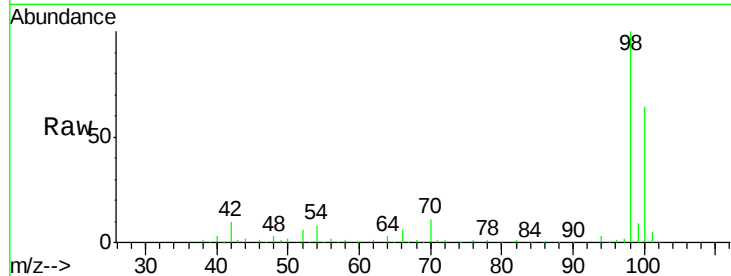
#50
Toluene-d8
Concen: 16.097 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX018957.D
Acq: 19 Oct 2020 17:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion: 98 Resp: 67450
Ion Ratio Lower Upper
98 100
100 64.4 53.4 80.2

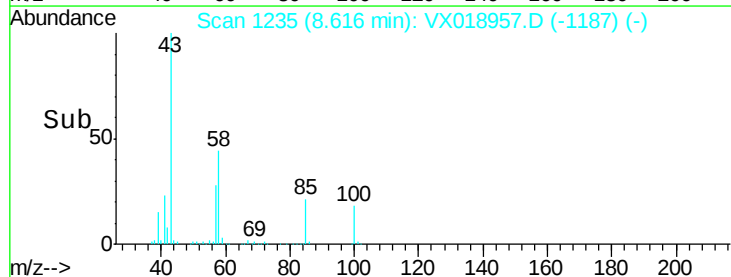
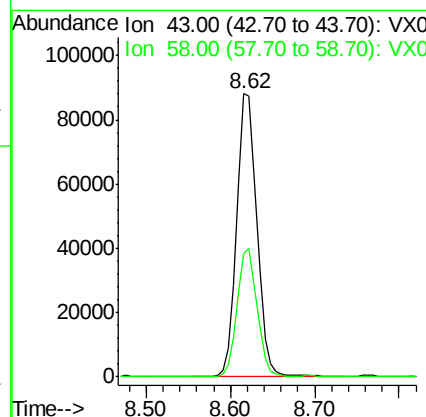
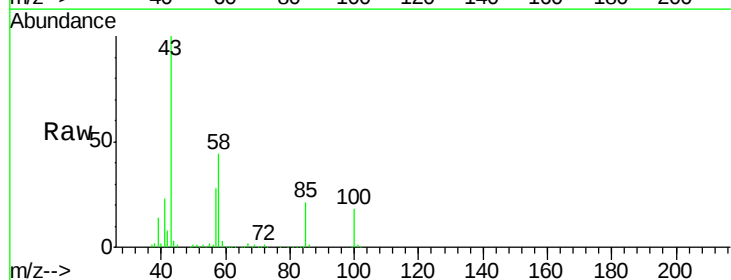
Manual Integrations
APPROVED

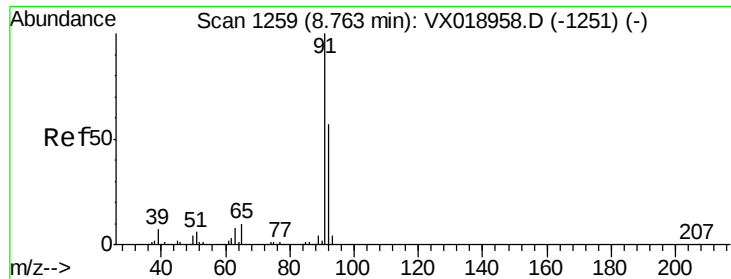
MMDadoda
10/20/2020 4:52:01 PM



#51
4-Methyl-2-Pentanone
Concen: 82.867 ug/l
RT: 8.62 min Scan# 1235
Delta R.T. -0.01 min
Lab File: VX018957.D
Acq: 19 Oct 2020 17:13

Tgt Ion: 43 Resp: 143732
Ion Ratio Lower Upper
43 100
58 44.4 36.4 54.6





#52

Toluene

Concen: 18.569 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX018957.D

Acq: 19 Oct 2020 17:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 92 Resp: 53991

Ion Ratio Lower Upper

92 100

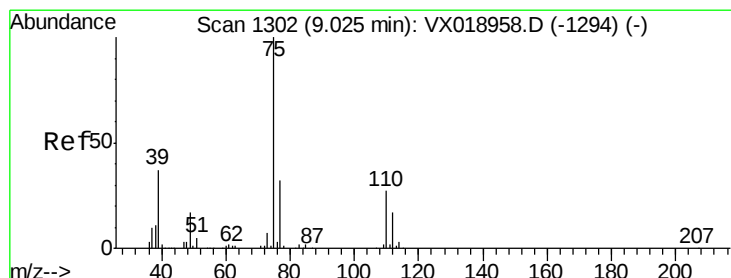
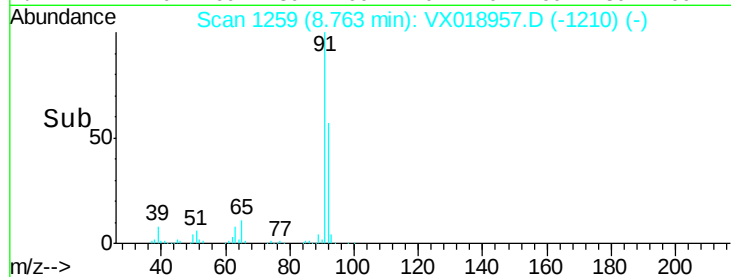
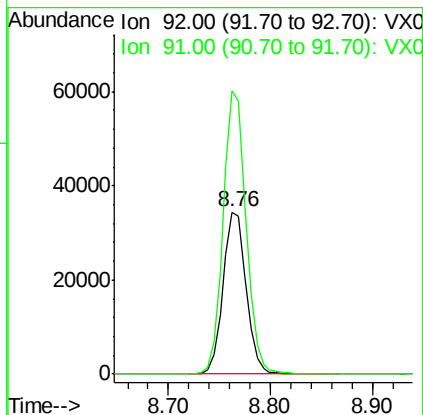
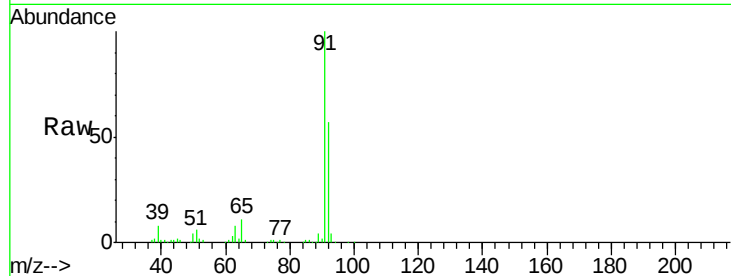
91 174.1 137.1 205.7

Manual Integrations

APPROVED

MMDadoda

10/20/2020 4:52:01 PM



#53

t-1,3-Dichloropropene

Concen: 17.892 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VX018957.D

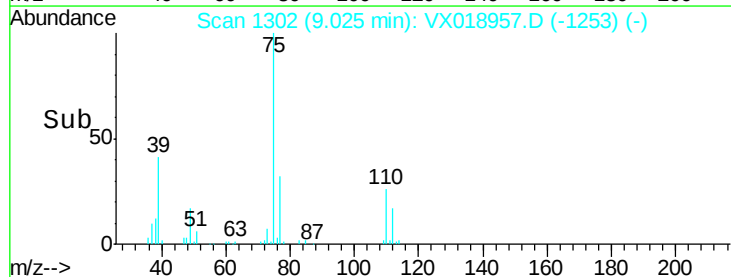
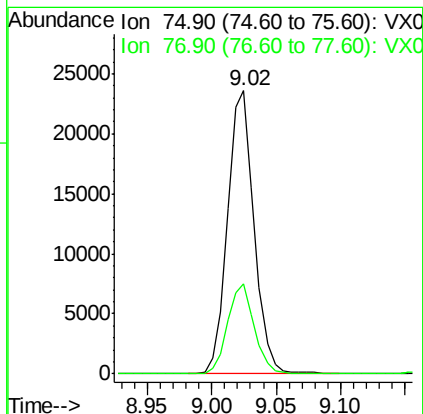
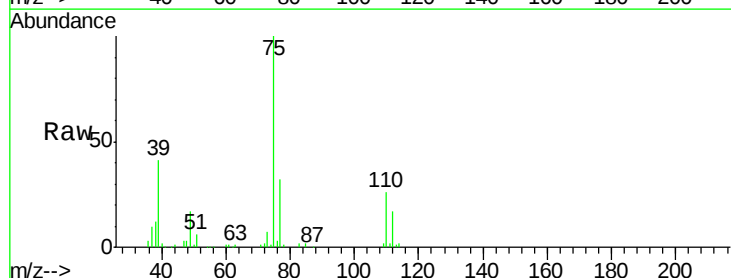
Acq: 19 Oct 2020 17:13

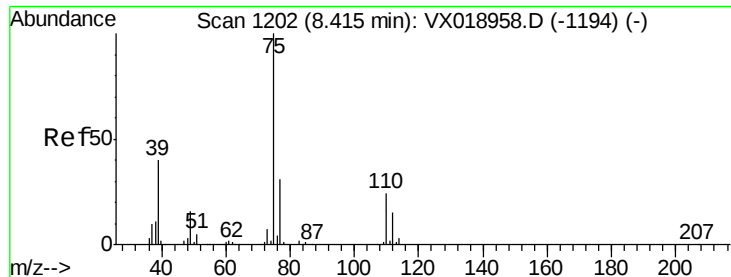
Tgt Ion: 75 Resp: 34021

Ion Ratio Lower Upper

75 100

77 31.8 26.0 39.0





#54

cis-1,3-Dichloropropene

Concen: 18.254 ug/l

RT: 8.42 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VX018957.D

Acq: 19 Oct 2020 17:13

Instrument :

MSVOA_X

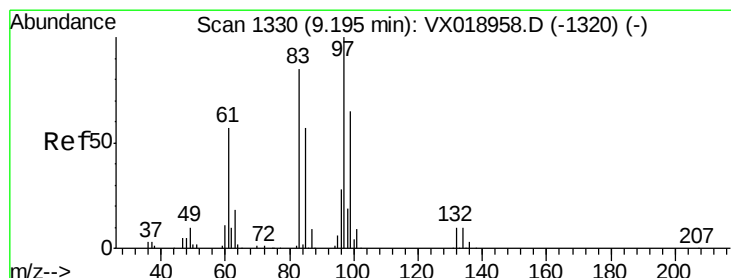
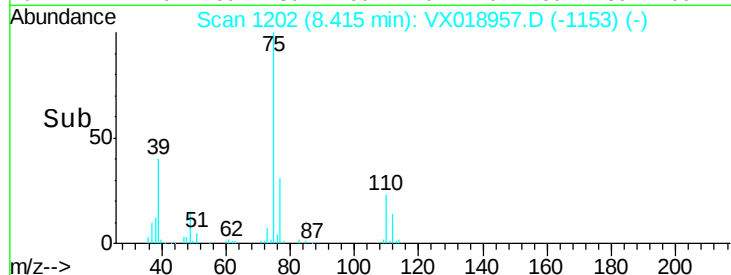
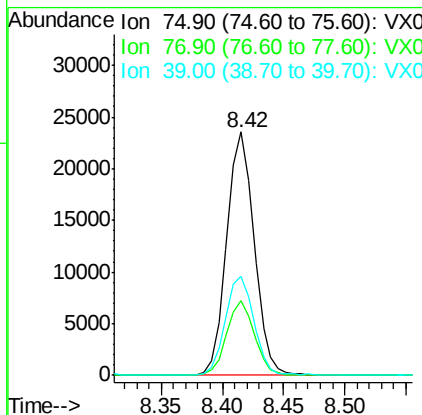
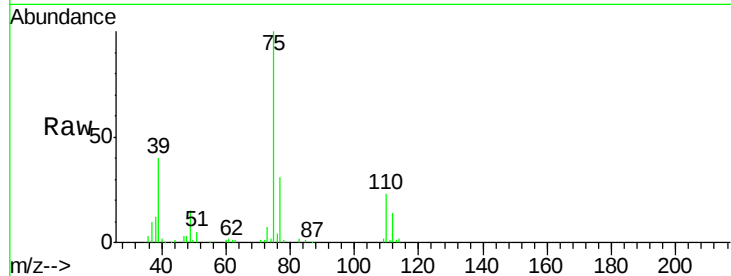
ClientSampleId :

VSTDIC020

Tot Ion:	75	Resp:	36686
Ion	Ratio	Lower	Upper
75	100		
77	30.7	24.6	36.8
39	40.4	32.1	48.1

Manual Integrations
APPROVED

MMDadoda
10/20/2020 4:52:01 PM



#55

1,1,2-Trichloroethane

Concen: 17.516 ug/l

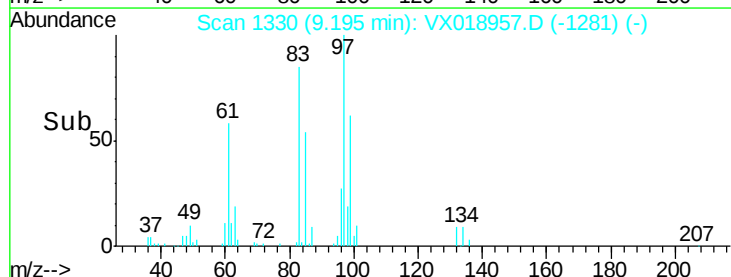
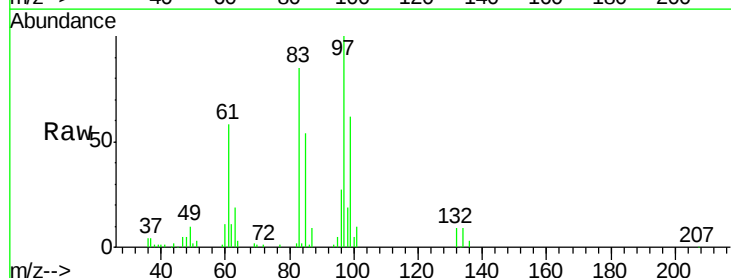
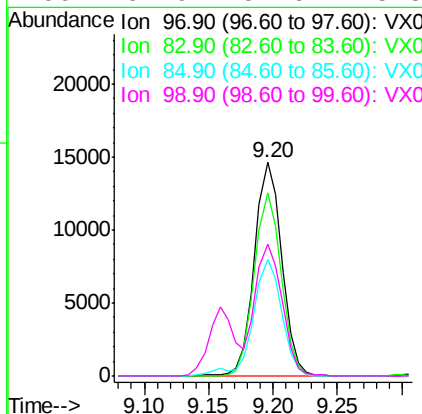
RT: 9.20 min Scan# 1330

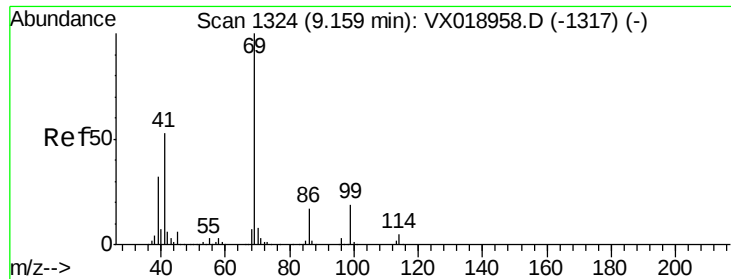
Delta R.T. 0.00 min

Lab File: VX018957.D

Acq: 19 Oct 2020 17:13

Tgt Ion:	97	Resp:	21452
Ion	Ratio	Lower	Upper
97	100		
83	85.4	67.8	101.8
85	54.3	45.7	68.5
99	61.9	52.6	78.8





#56

Ethyl methacrylate

Concen: 18.366 ug/l

RT: 9.16 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX018957.D

Acq: 19 Oct 2020 17:13

Instrument :

MSVOA_X

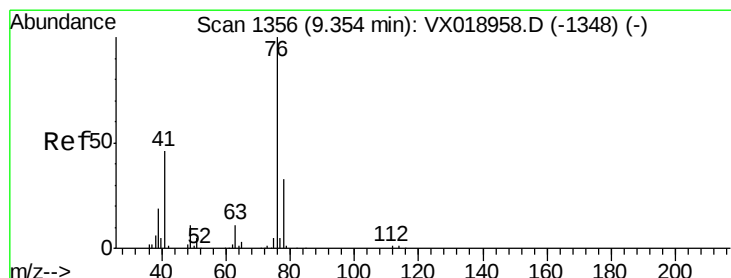
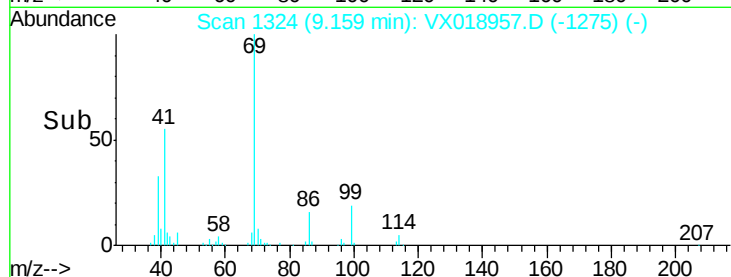
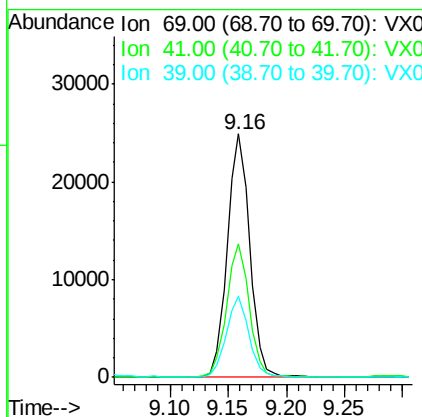
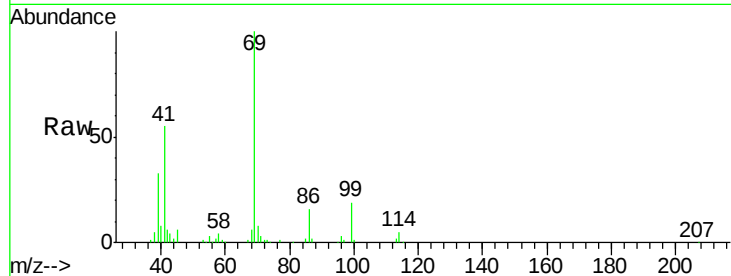
ClientSampleId :

VSTDIC020

Tot Ion:	69	Resp:	33492
Ion	Ratio	Lower	Upper
69	100		
41	55.5	43.4	65.2
39	34.0	25.0	37.4

Manual Integrations
APPROVED

MMDadoda
10/20/2020 4:52:01 PM



#57

1,3-Dichloropropane

Concen: 17.907 ug/l

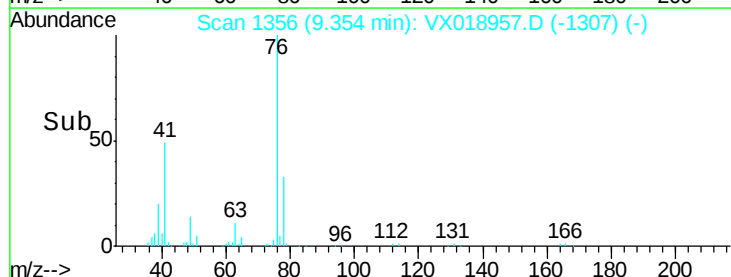
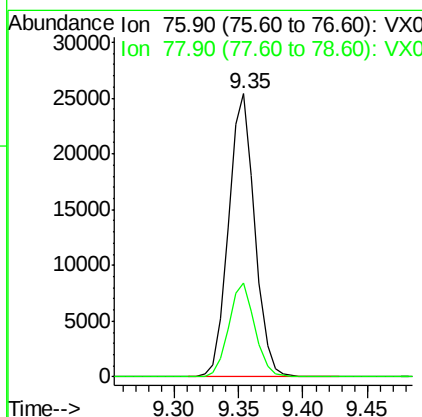
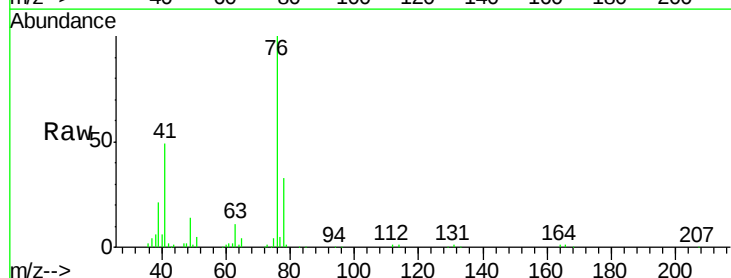
RT: 9.35 min Scan# 1356

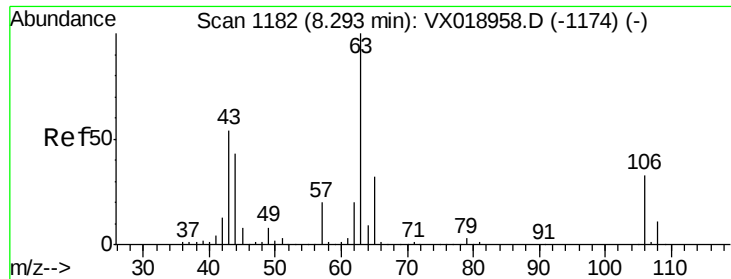
Delta R.T. 0.00 min

Lab File: VX018957.D

Acq: 19 Oct 2020 17:13

Tgt Ion:	76	Resp:	36130
Ion	Ratio	Lower	Upper
76	100		
78	32.9	26.2	39.4





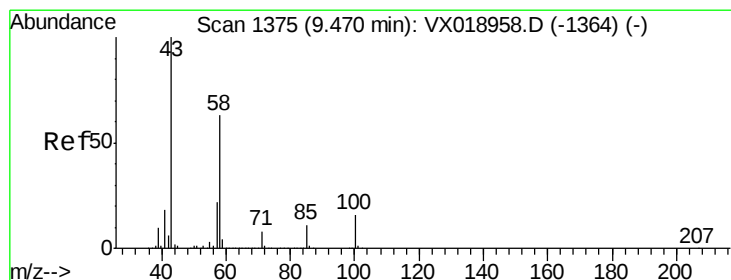
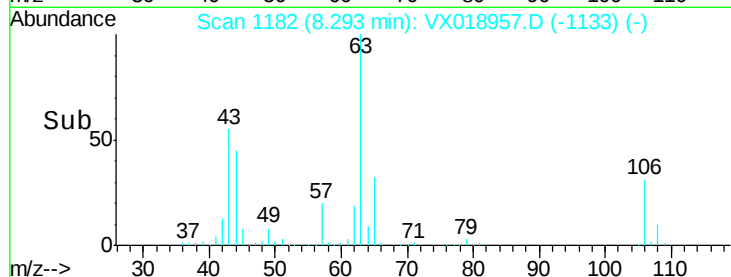
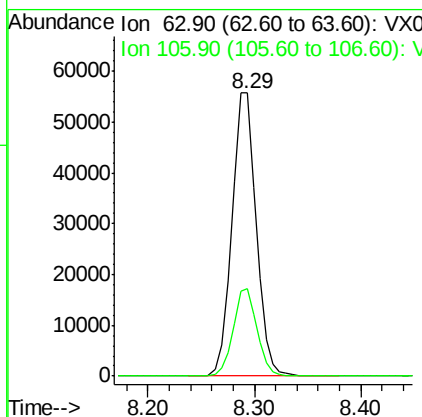
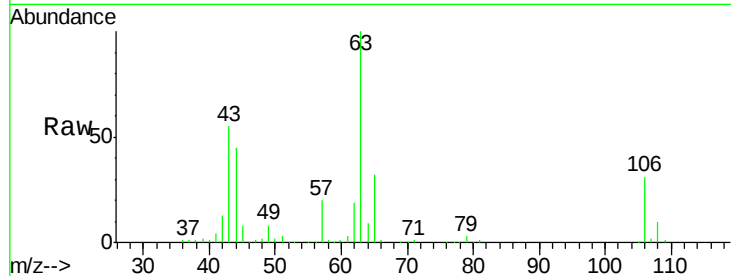
#58
2-Chloroethyl Vinyl ether
Concen: 106.075 ug/l
RT: 8.29 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VX018957.D
Acq: 19 Oct 2020 17:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion: 63 Resp: 89570
Ion Ratio Lower Upper
63 100
106 30.2 24.8 37.2

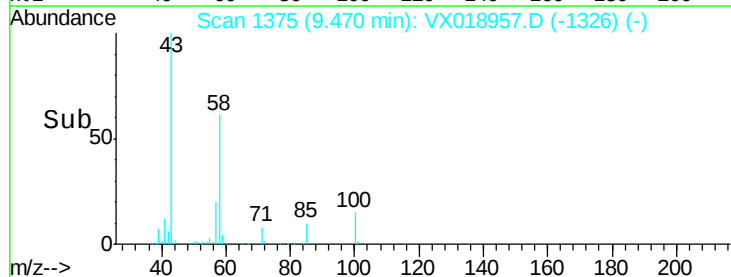
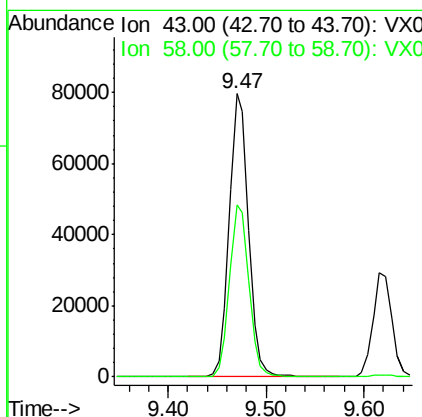
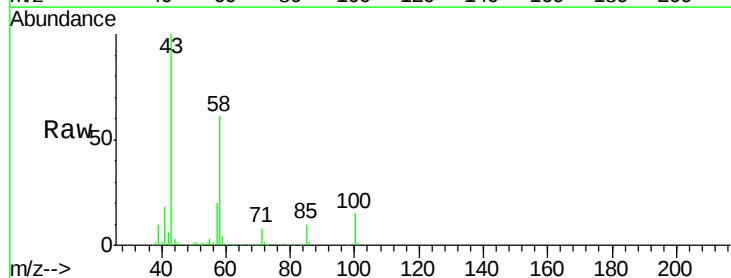
Manual Integrations
APPROVED

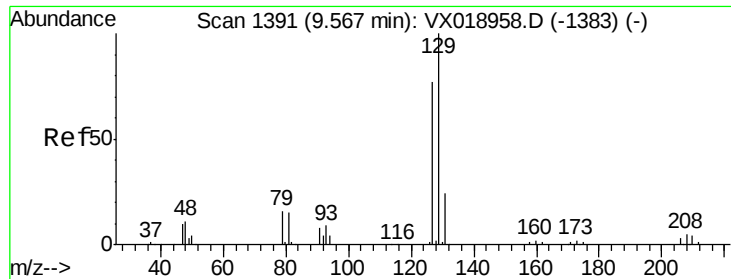
MMDadoda
10/20/2020 4:52:01 PM



#59
2-Hexanone
Concen: 82.725 ug/l
RT: 9.47 min Scan# 1375
Delta R.T. 0.00 min
Lab File: VX018957.D
Acq: 19 Oct 2020 17:13

Tgt Ion: 43 Resp: 108823
Ion Ratio Lower Upper
43 100
58 61.4 31.7 95.1





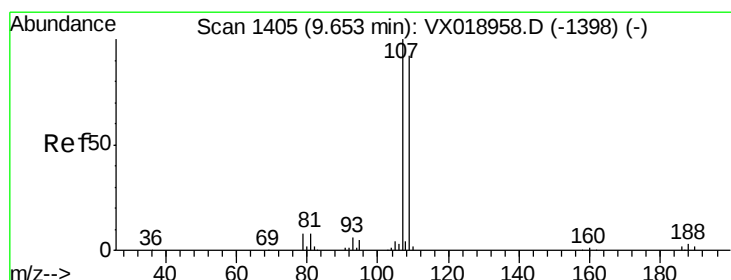
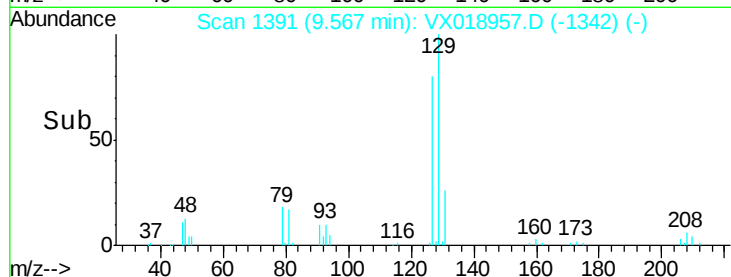
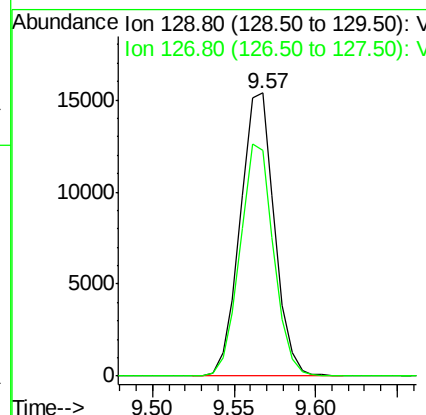
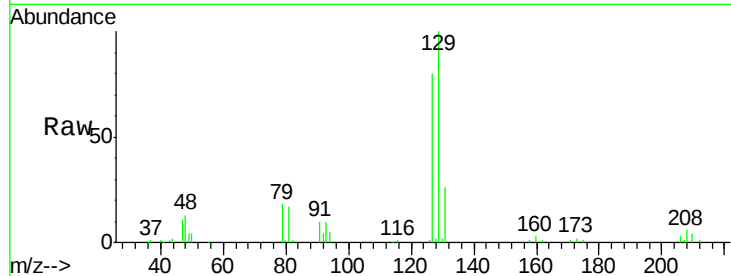
#60
Dibromochloromethane
Concen: 15.723 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VX018957.D
Acq: 19 Oct 2020 17:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion:129 Resp: 22435
Ion Ratio Lower Upper
129 100
127 80.4 38.8 116.4

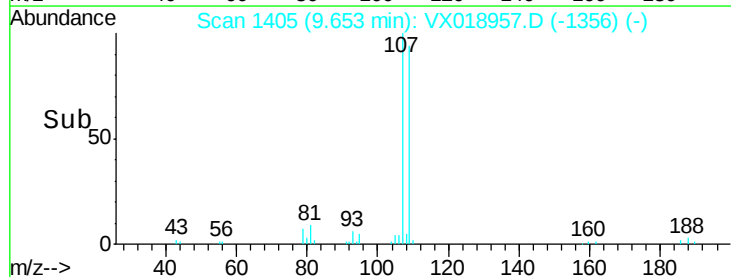
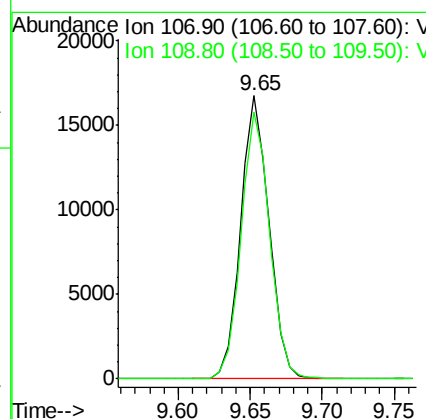
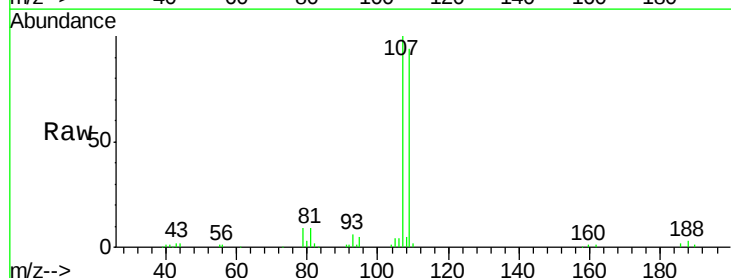
Manual Integrations
APPROVED

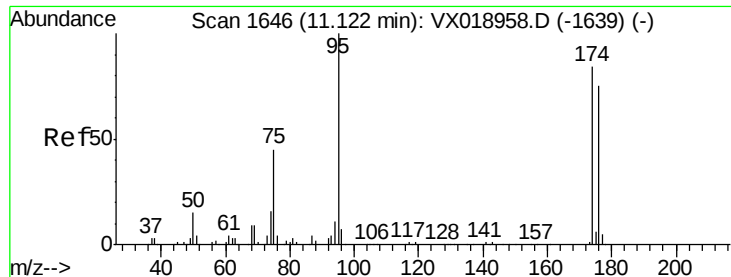
MMDadoda
10/20/2020 4:52:01 PM



#61
1,2-Dibromoethane
Concen: 17.237 ug/l
RT: 9.65 min Scan# 1405
Delta R.T. 0.00 min
Lab File: VX018957.D
Acq: 19 Oct 2020 17:13

Tgt Ion:107 Resp: 22922
Ion Ratio Lower Upper
107 100
109 94.7 75.2 112.8





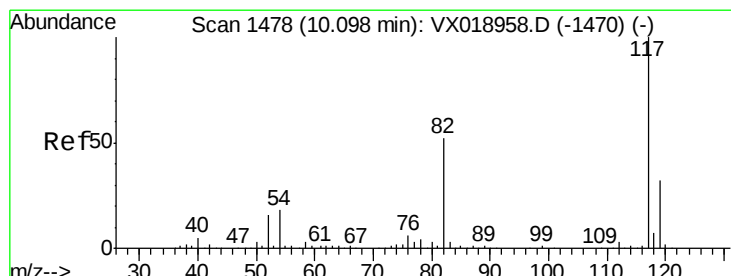
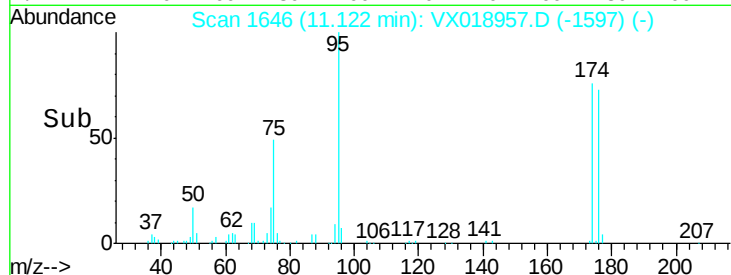
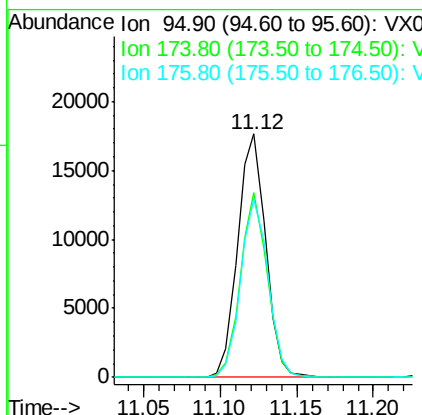
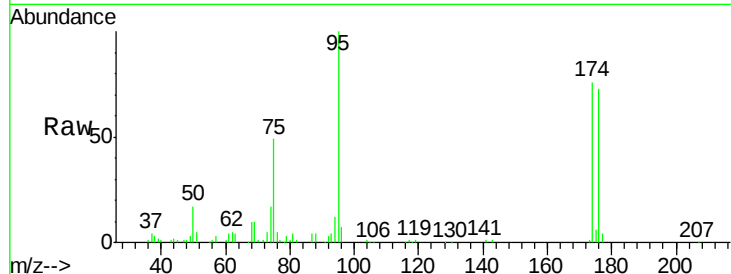
#62
4-Bromofluorobenzene
Concen: 13.770 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX018957.D
Acq: 19 Oct 2020 17:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
95	100	22318		
174	73.1	0.0	164.6	
176	72.5	0.0	154.6	

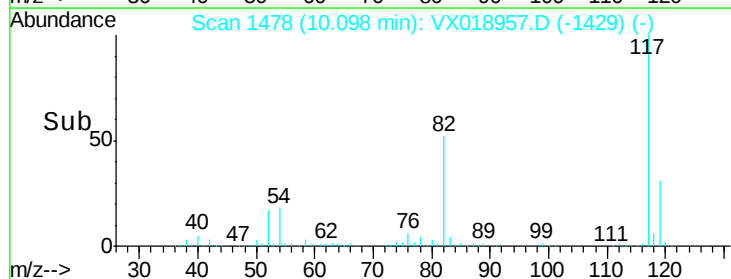
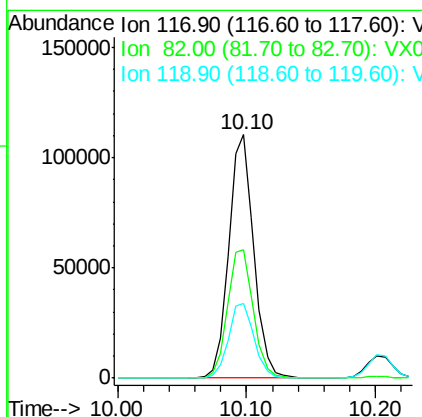
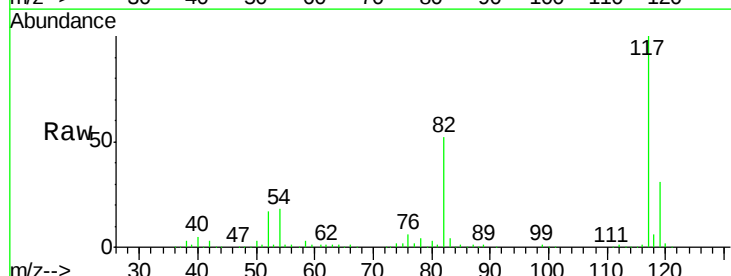
Manual Integrations
APPROVED

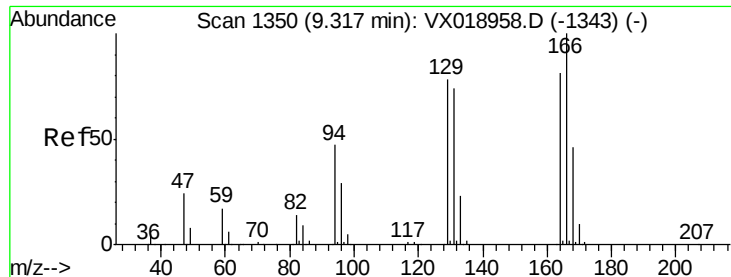
MMDadoda
10/20/2020 4:52:01 PM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX018957.D
Acq: 19 Oct 2020 17:13

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	149376		
82	52.5	41.6	62.4	
119	30.5	25.4	38.2	





#64

Tetrachloroethene

Concen: 17.437 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. 0.00 min

Lab File: VX018957.D

Acq: 19 Oct 2020 17:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:164 Resp: 18946

Ion Ratio Lower Upper

164 100

166 125.9 98.9 148.3

129 101.0 77.0 115.4

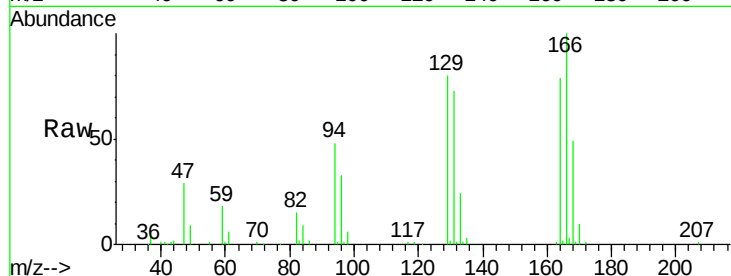
131 91.8 73.0 109.6

Manual Integrations

APPROVED

MMDadoda

10/20/2020 4:52:01 PM

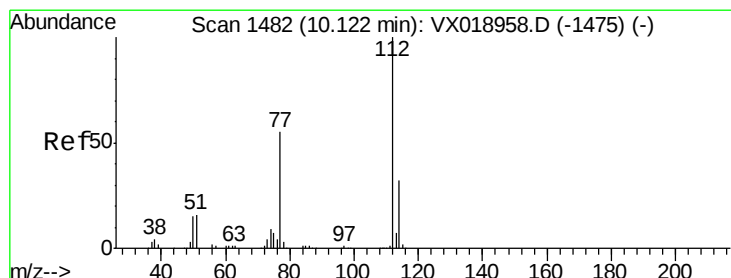
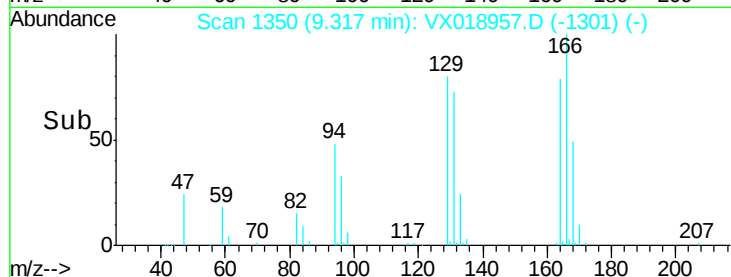
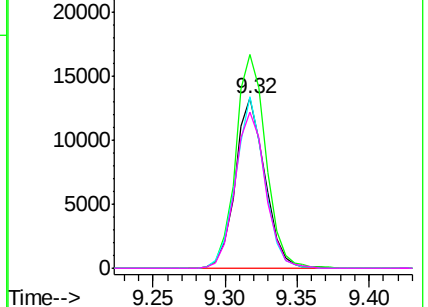


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 19.177 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX018957.D

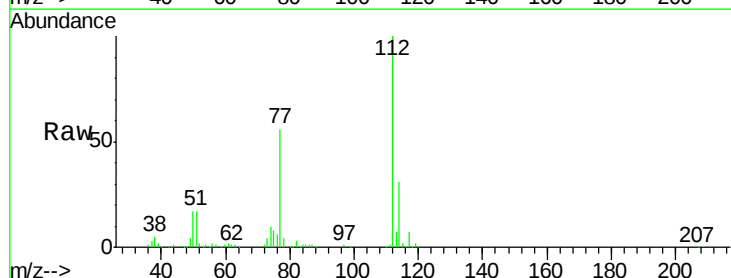
Acq: 19 Oct 2020 17:13

Tgt Ion:112 Resp: 57459

Ion Ratio Lower Upper

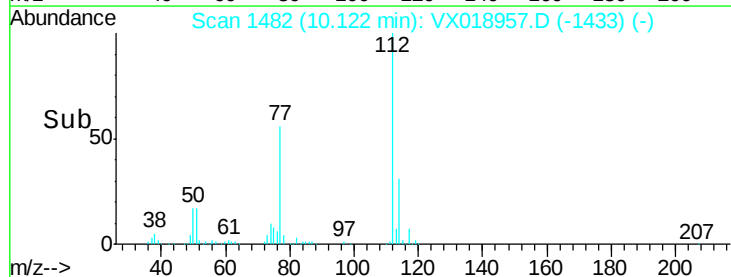
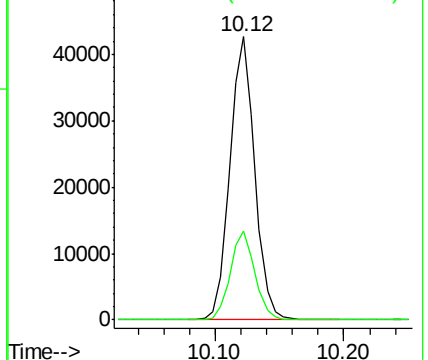
112 100

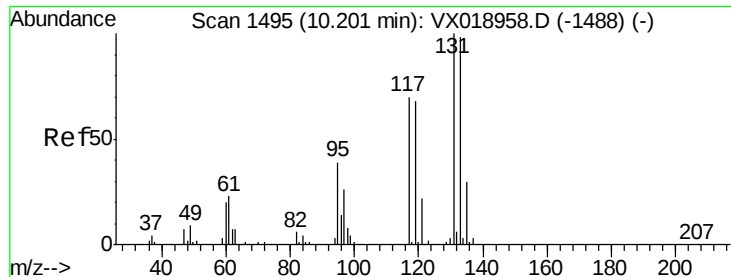
114 31.4 25.6 38.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 17.930 ug/l

RT: 10.20 min Scan# 1495

Delta R.T. 0.00 min

Lab File: VX018957.D

Acq: 19 Oct 2020 17:13

Instrument :

MSVOA_X

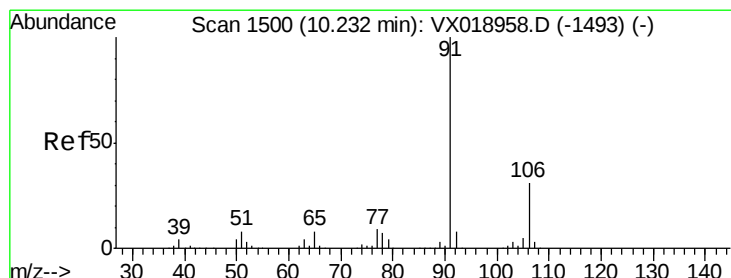
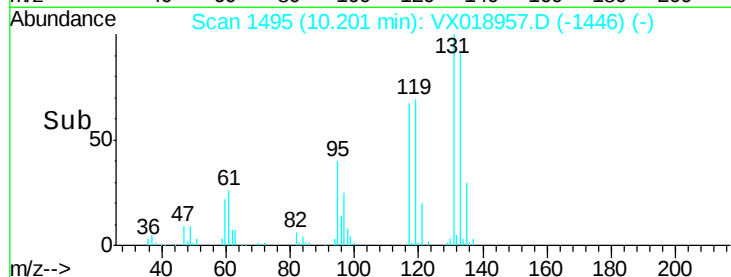
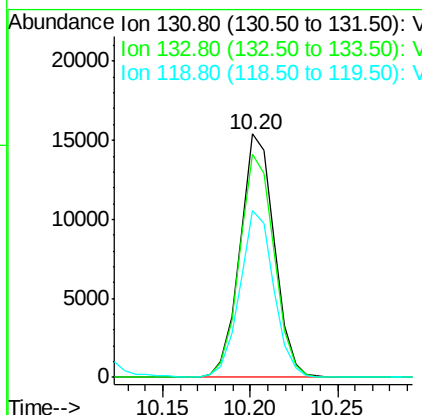
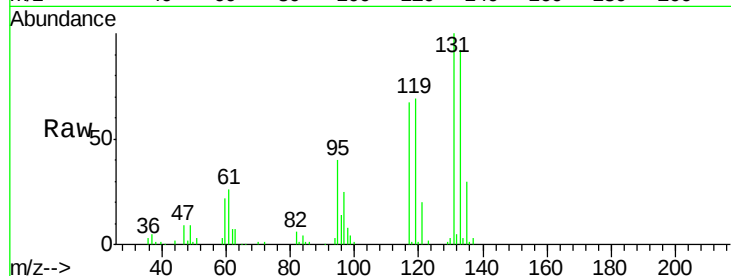
ClientSampleId :

VSTDIC020

Tot Ion	Ratio	Lower	Upper
131	100		
133	92.3	47.4	142.2
119	67.3	33.5	100.4

Manual Integrations
APPROVED

MMDadoda
10/20/2020 4:52:01 PM



#67

Ethyl Benzene

Concen: 20.058 ug/l

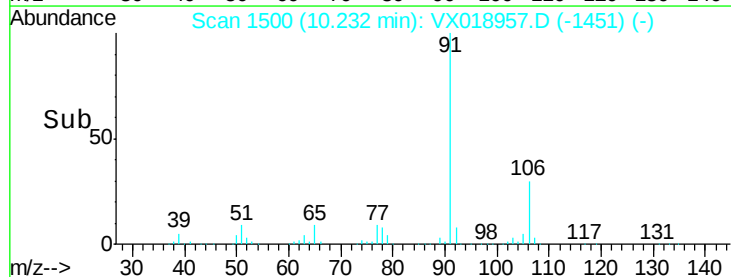
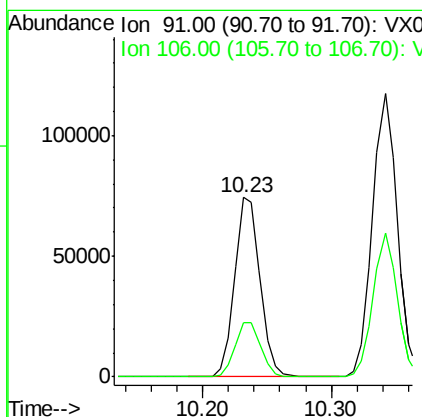
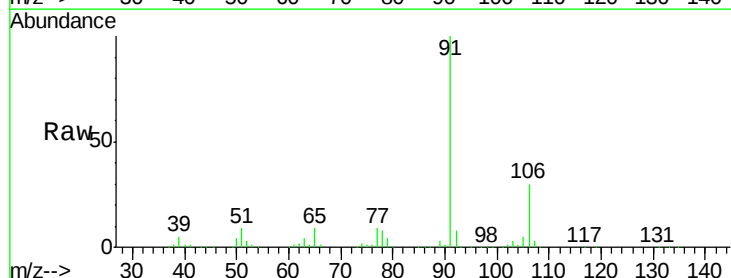
RT: 10.23 min Scan# 1500

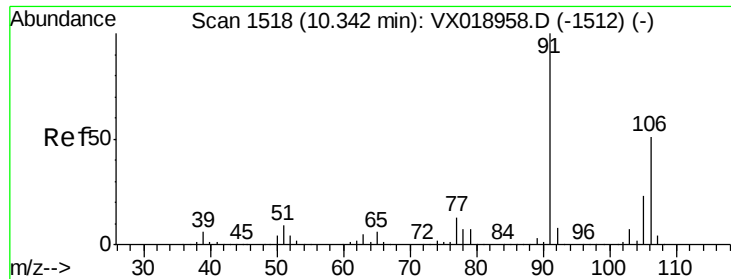
Delta R.T. 0.00 min

Lab File: VX018957.D

Acq: 19 Oct 2020 17:13

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.4	24.7	37.1





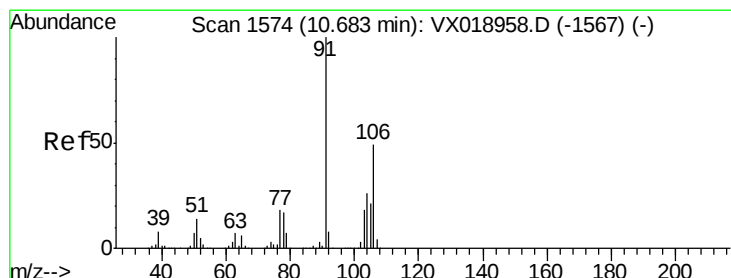
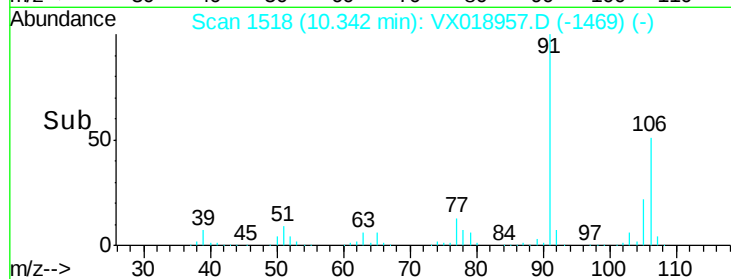
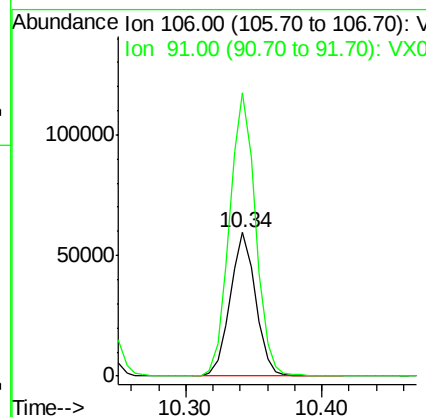
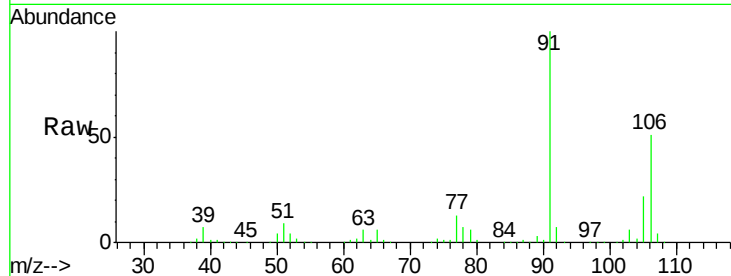
#68
m/p-Xvlenes
Concen: 40.411 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VX018957.D
Acq: 19 Oct 2020 17:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion:106 Resp: 77301
Ion Ratio Lower Upper
106 100
91 201.9 156.7 235.1

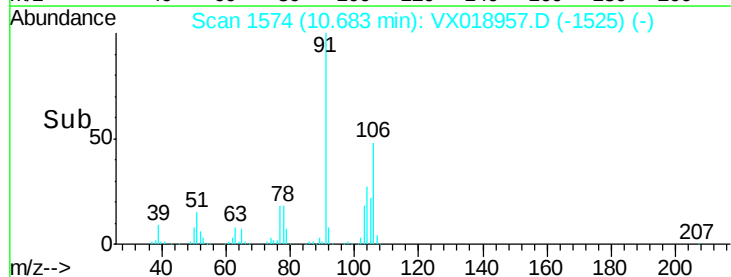
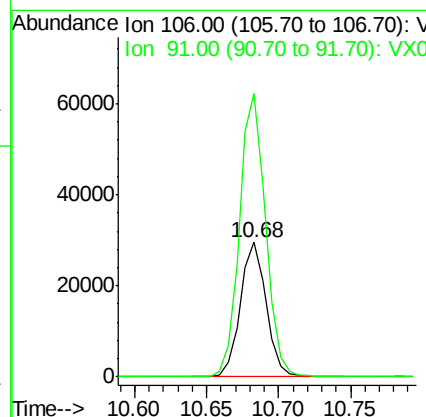
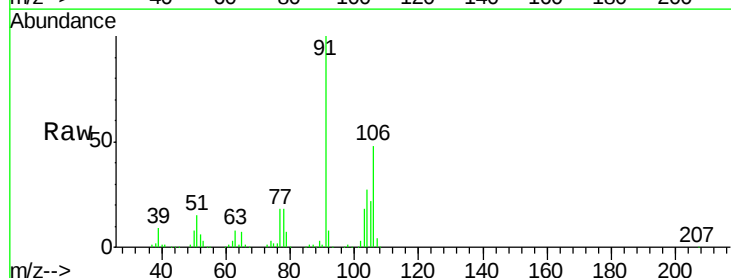
Manual Integrations
APPROVED

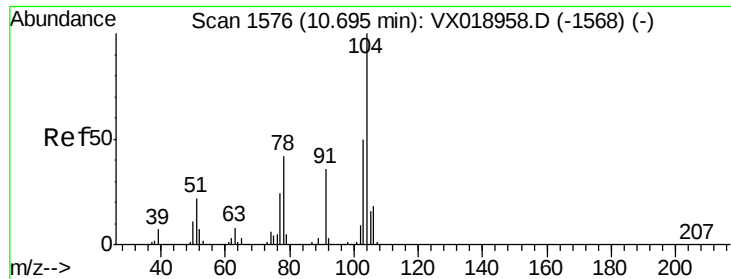
MMDadoda
10/20/2020 4:52:01 PM



#69
o-Xylene
Concen: 19.842 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX018957.D
Acq: 19 Oct 2020 17:13

Tgt Ion:106 Resp: 36940
Ion Ratio Lower Upper
106 100
91 212.5 102.4 307.1





#70

Stvrene

Concen: 19.475 ug/l

RT: 10.70 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VX018957.D

Acq: 19 Oct 2020 17:13

Instrument :

MSVOA_X

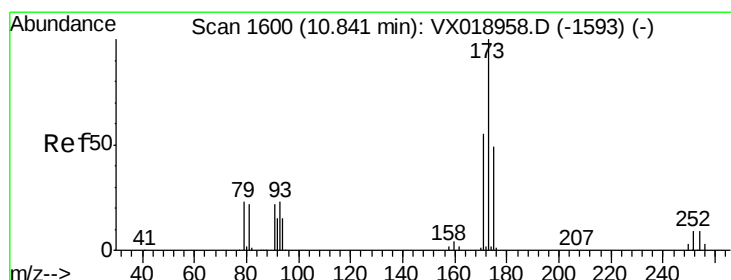
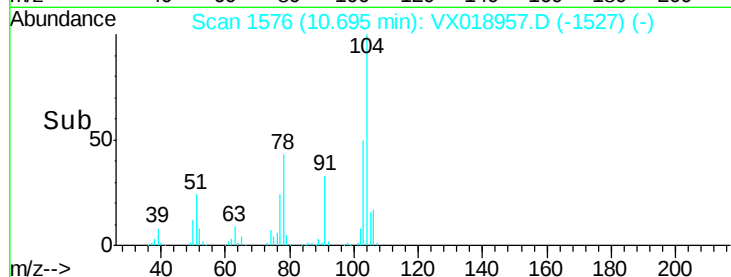
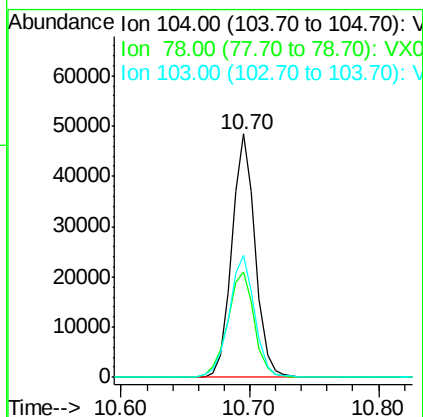
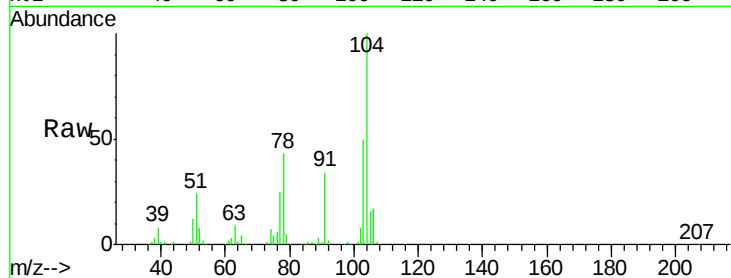
ClientSampleId :

VSTDIC020

Tot Ion:	104	Resp:	61360
Ion Ratio	Lower	Upper	
104	100		
78	49.5	37.9	56.9
103	54.9	43.7	65.5

Manual Integrations
APPROVED

MMDadoda
10/20/2020 4:52:01 PM



#71

Bromoform

Concen: 16.235 ug/l

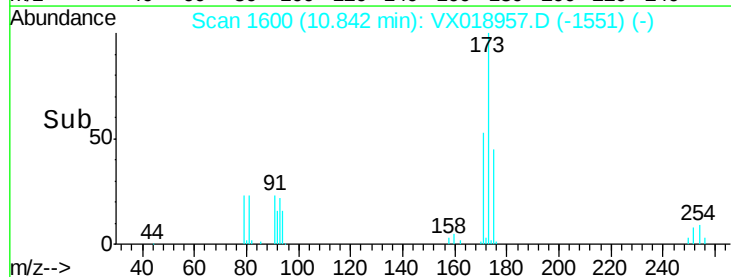
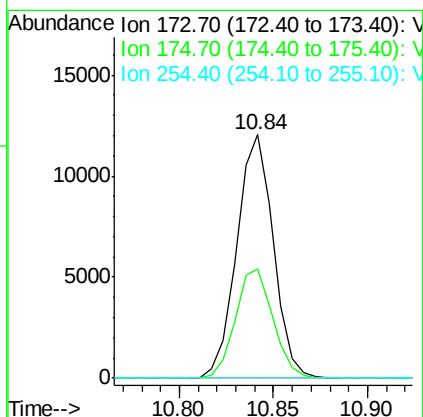
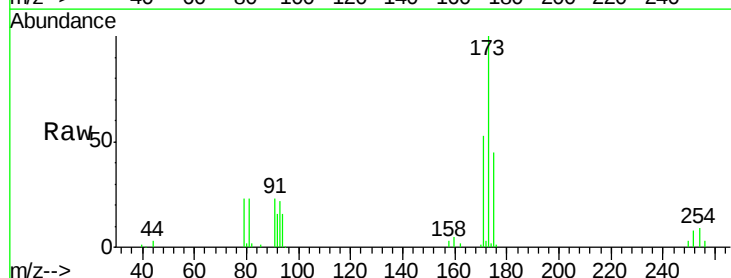
RT: 10.84 min Scan# 1600

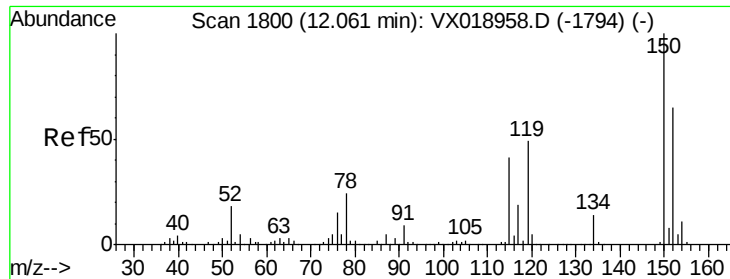
Delta R.T. 0.00 min

Lab File: VX018957.D

Acq: 19 Oct 2020 17:13

Tgt Ion:	173	Resp:	16103
Ion Ratio	Lower	Upper	
173	100		
175	46.0	23.7	71.1
254	0.0	0.0	0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX018957.D

Acq: 19 Oct 2020 17:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:152 Resp: 69669

Ion Ratio Lower Upper

152 100

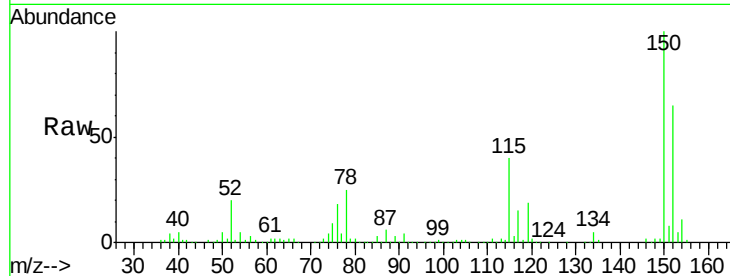
115 70.1 40.8 122.2

150 164.5 0.0 352.0

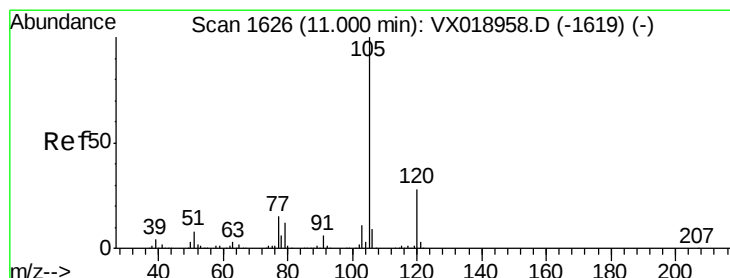
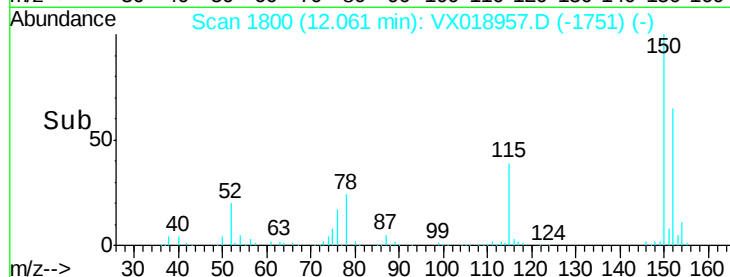
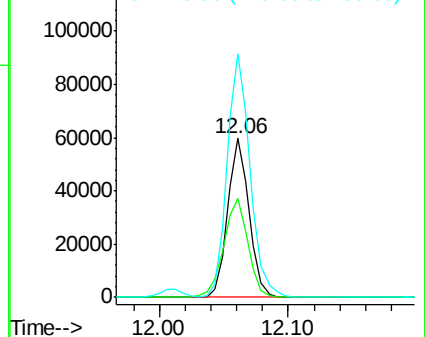
Manual Integrations
APPROVED

MMDadoda

10/20/2020 4:52:01 PM



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: 21.486 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX018957.D

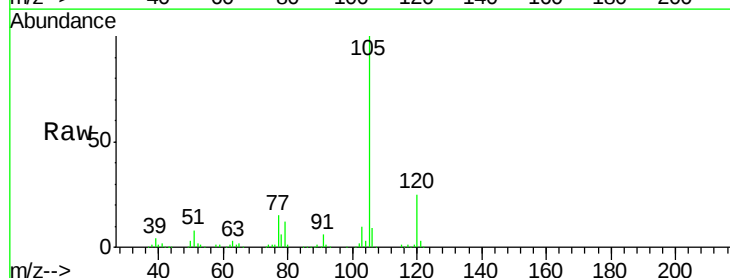
Acq: 19 Oct 2020 17:13

Tgt Ion:105 Resp: 98788

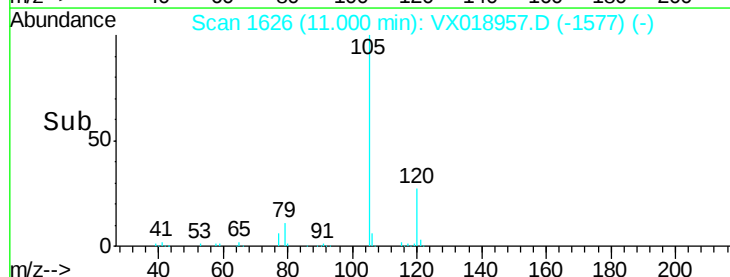
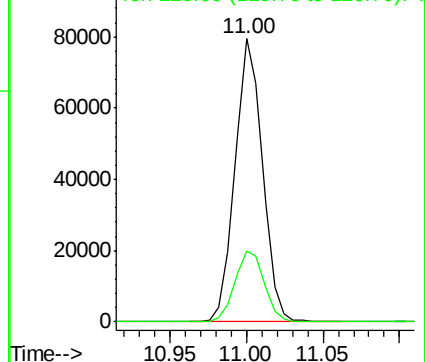
Ion Ratio Lower Upper

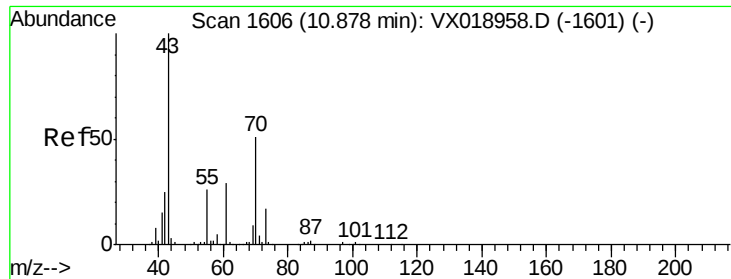
105 100

120 26.5 13.9 41.7



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 18.030 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. 0.00 min

Lab File: VX018957.D

Acq: 19 Oct 2020 17:13

Instrument :

MSVOA_X

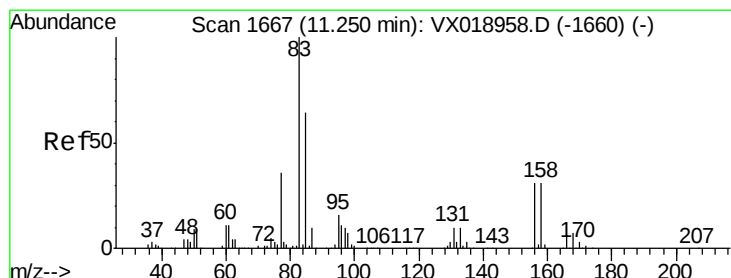
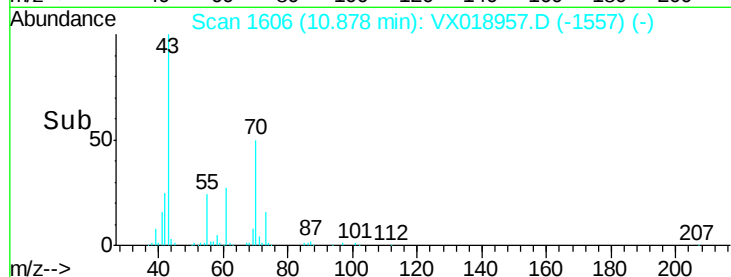
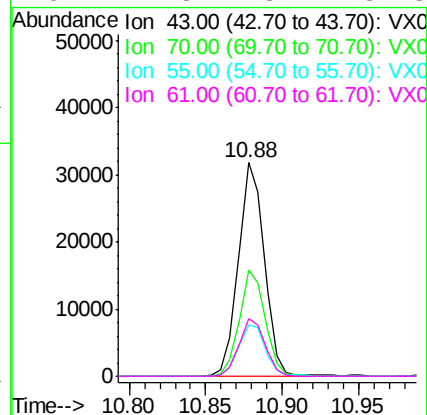
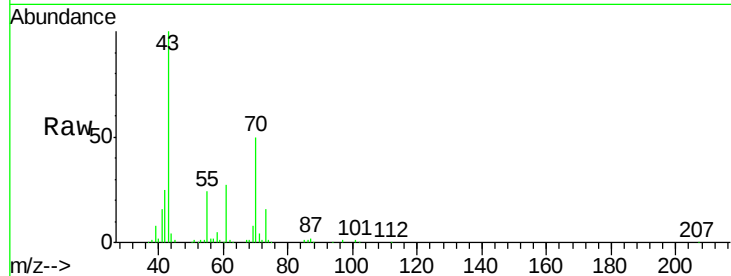
ClientSampleId :

VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
70	49.6	42.4	63.6
55	25.3	21.0	31.6
61	27.3	23.2	34.8

Manual Integrations
APPROVED

MMDadoda
10/20/2020 4:52:01 PM



#75

1,1,2,2-Tetrachloroethane

Concen: 19.653 ug/l

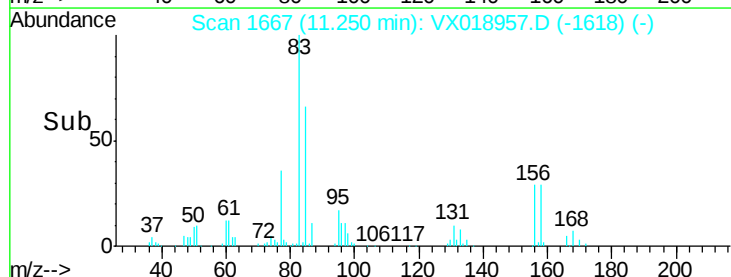
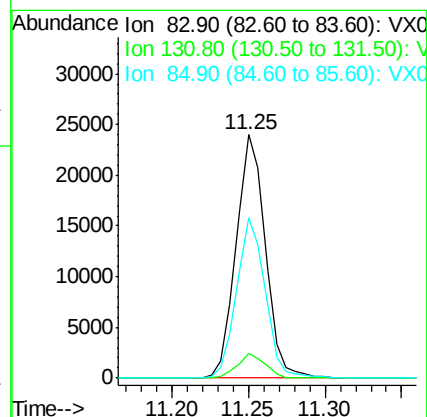
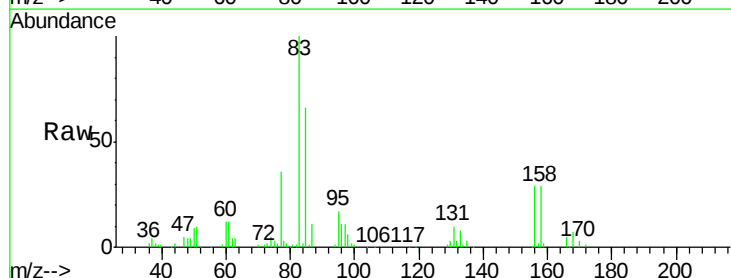
RT: 11.25 min Scan# 1667

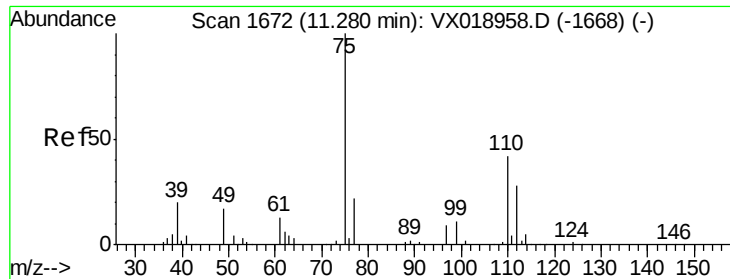
Delta R.T. 0.00 min

Lab File: VX018957.D

Acq: 19 Oct 2020 17:13

Tgt Ion	Ratio	Lower	Upper
83	100		
131	9.8	5.3	15.9
85	64.7	32.2	96.6





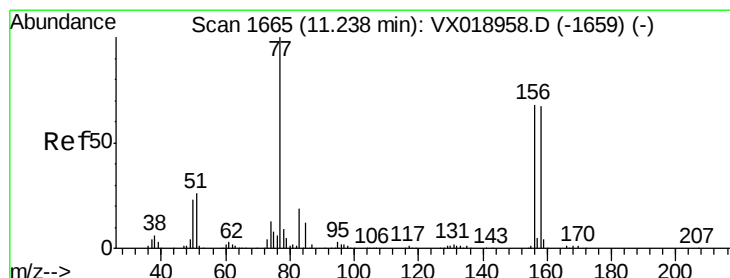
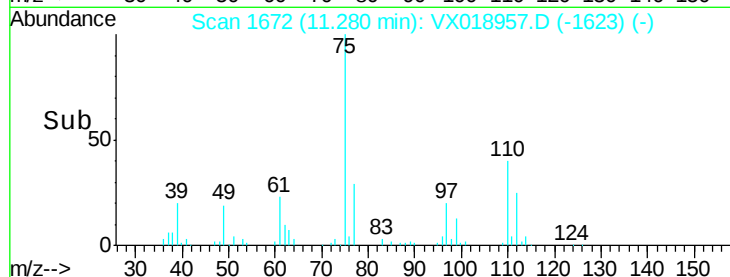
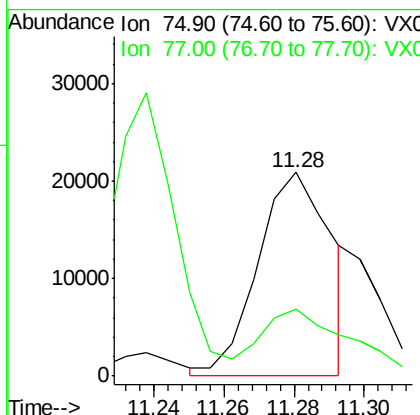
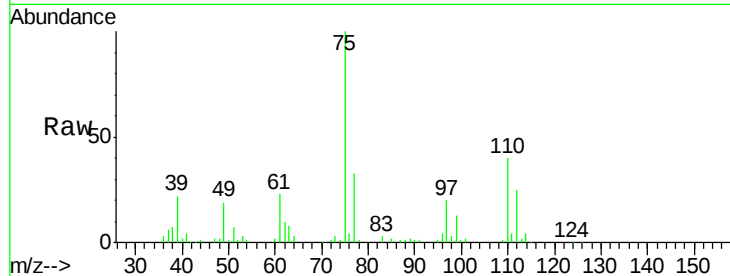
#76
 1,2,3-Trichloropropane
 Concen: 19.906 ug/l m
 RT: 11.28 min Scan# 1672
 Delta R.T. 0.00 min
 Lab File: VX018957.D
 Acq: 19 Oct 2020 17:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	39.9	21.1	63.1

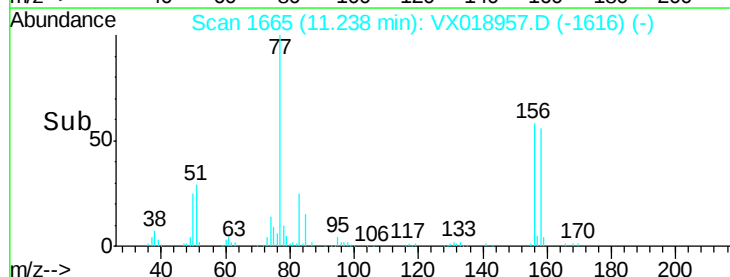
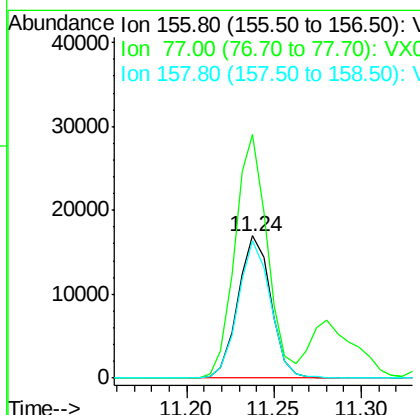
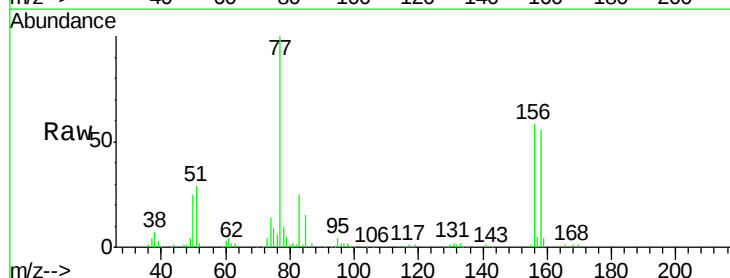
Manual Integrations
 APPROVED

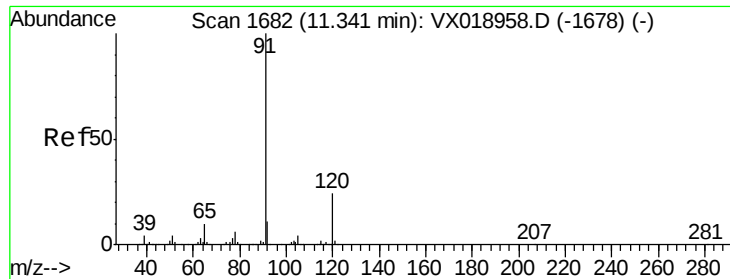
MMDadoda
 10/20/2020 4:52:01 PM



#77
 Bromobenzene
 Concen: 17.604 ug/l
 RT: 11.24 min Scan# 1665
 Delta R.T. 0.00 min
 Lab File: VX018957.D
 Acq: 19 Oct 2020 17:13

Tgt Ion	Ratio	Lower	Upper
156	100		
77	168.8	77.4	232.2
158	95.0	50.6	151.9





#78

n-propylbenzene

Concen: 21.118 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VX018957.D

Acq: 19 Oct 2020 17:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 110420

Ion Ratio Lower Upper

91 100

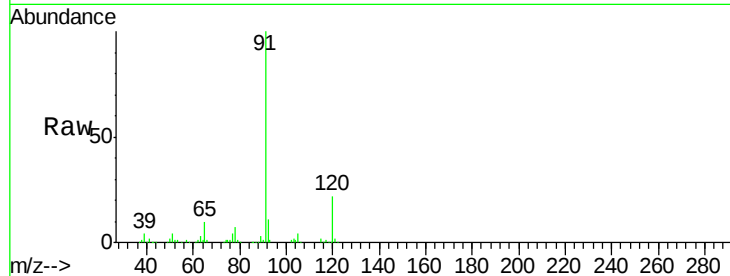
120 23.1 12.2 36.4

Manual Integrations

APPROVED

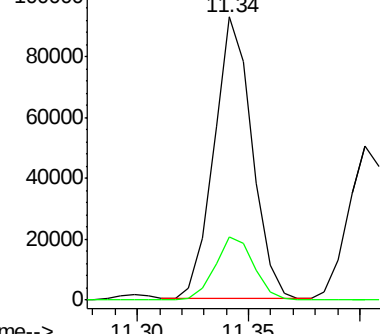
MMDadoda

10/20/2020 4:52:01 PM

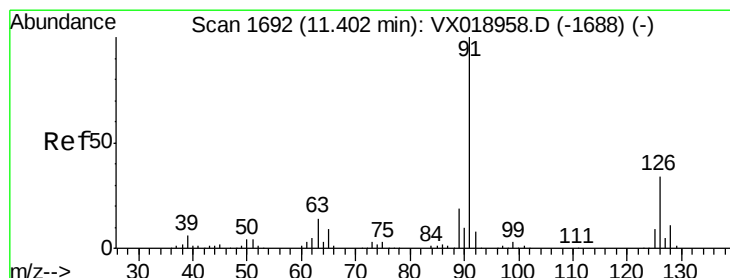
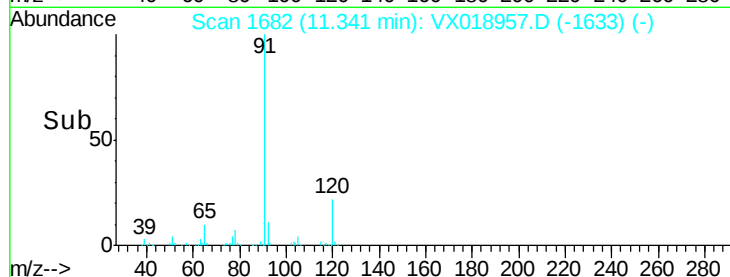


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



Time-->



#79

2-Chlorotoluene

Concen: 19.962 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VX018957.D

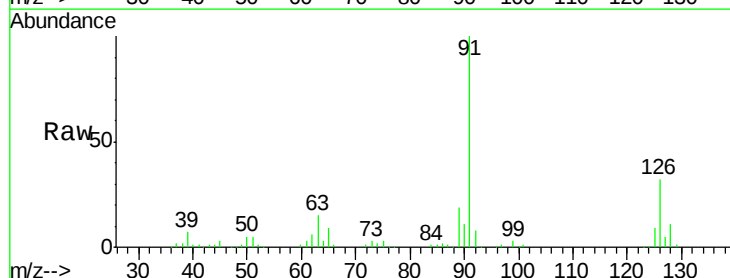
Acq: 19 Oct 2020 17:13

Tgt Ion: 91 Resp: 63948

Ion Ratio Lower Upper

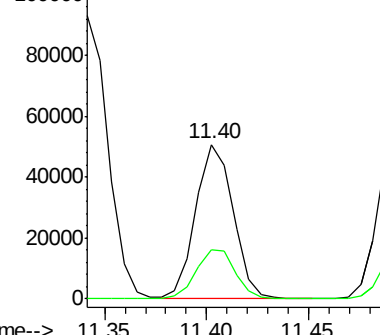
91 100

126 33.7 17.6 52.9

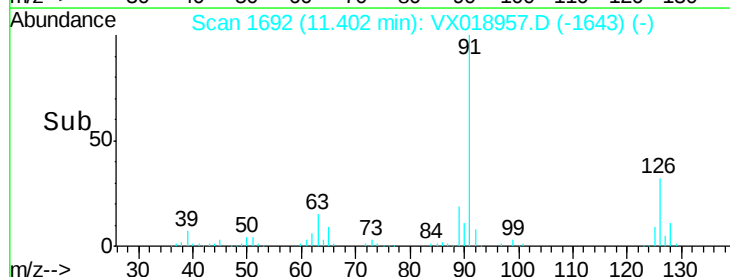


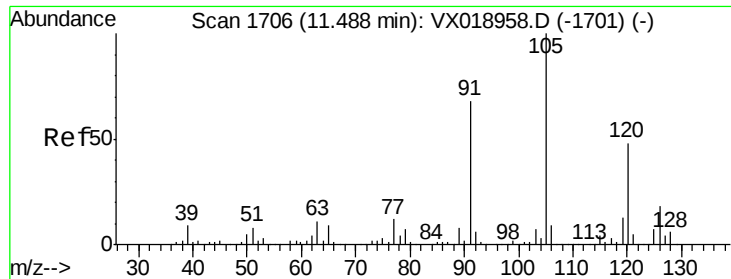
Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



Time-->





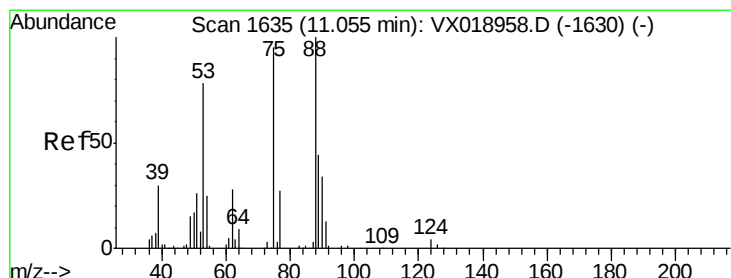
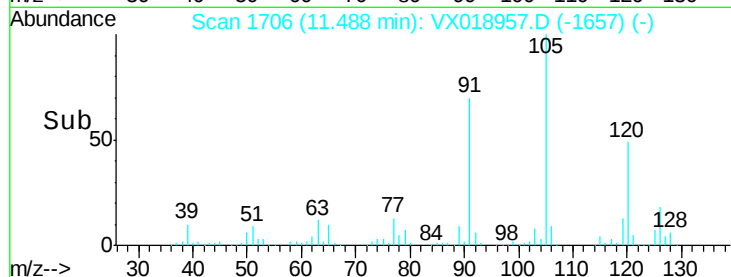
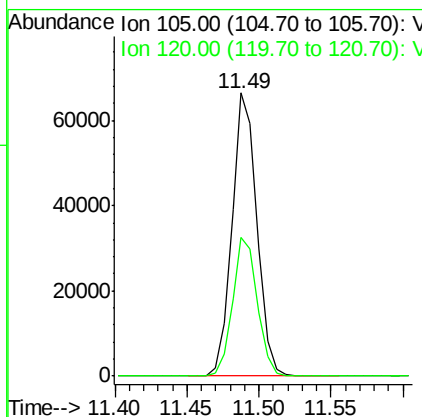
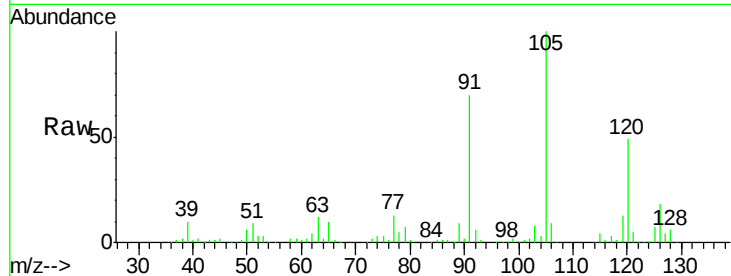
#80
 1,3,5-Trimethylbenzene
 Concen: 21.202 ug/l
 RT: 11.49 min Scan# 1706
 Delta R.T. 0.00 min
 Lab File: VX018957.D
 Acq: 19 Oct 2020 17:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion:105 Resp: 80417
 Ion Ratio Lower Upper
 105 100
 120 48.8 25.1 75.3

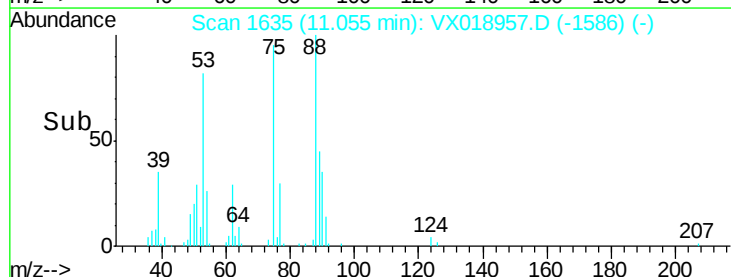
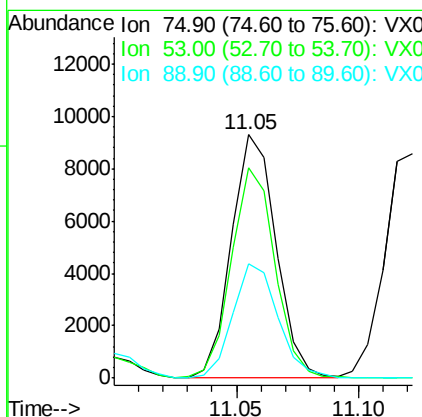
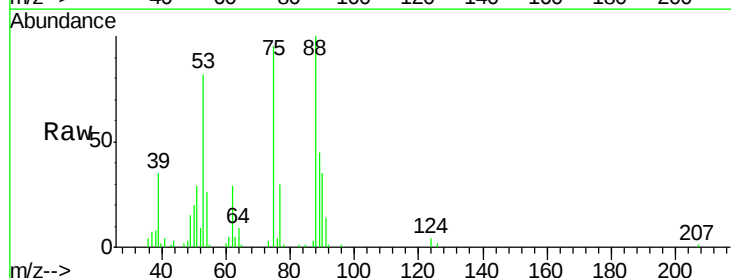
Manual Integrations
 APPROVED

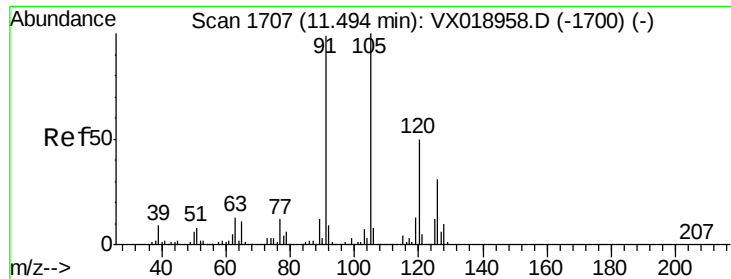
MMDadoda
 10/20/2020 4:52:01 PM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 20.548 ug/l
 RT: 11.05 min Scan# 1635
 Delta R.T. 0.00 min
 Lab File: VX018957.D
 Acq: 19 Oct 2020 17:13

Tgt Ion: 75 Resp: 11802
 Ion Ratio Lower Upper
 75 100
 53 84.4 64.2 96.2
 89 47.8 38.6 58.0





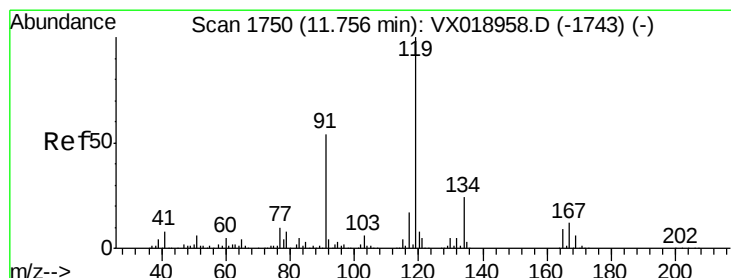
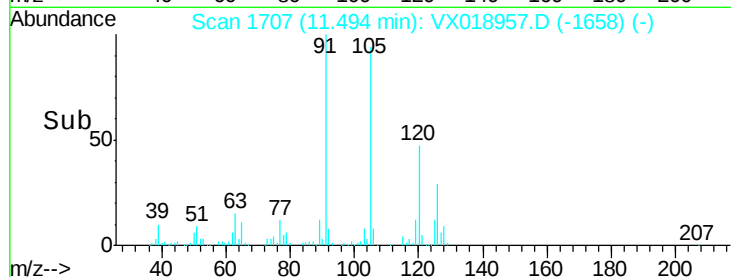
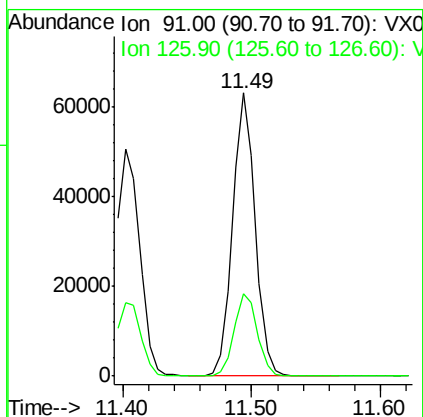
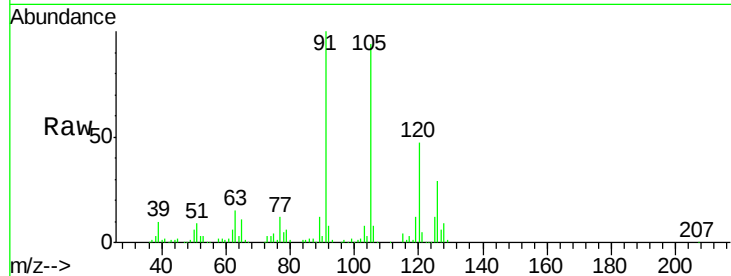
#82
4-Chlorotoluene
Concen: 20.359 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. 0.00 min
Lab File: VX018957.D
Acq: 19 Oct 2020 17:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100	77664		
126	29.9	15.8	47.4	

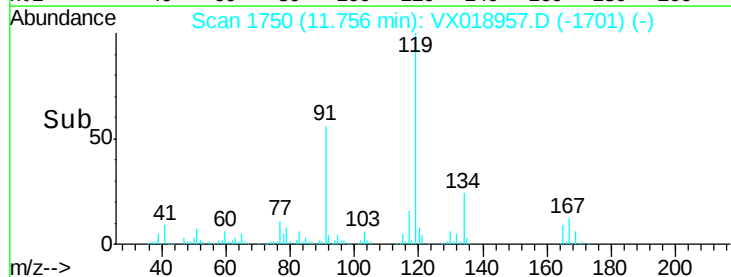
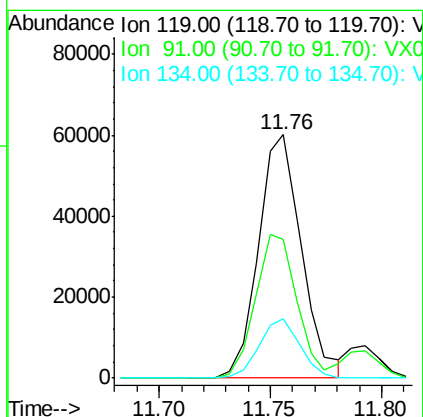
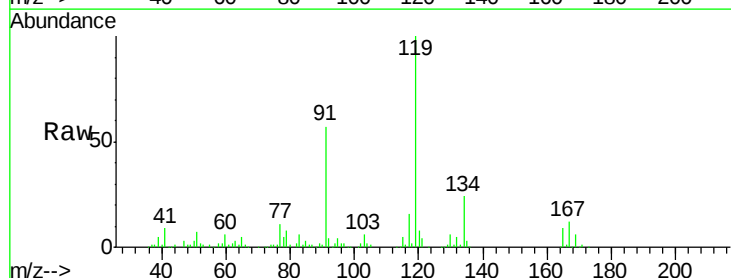
Manual Integrations
APPROVED

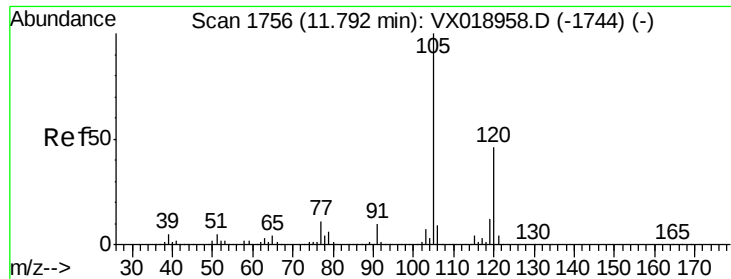
MMDadoda
10/20/2020 4:52:01 PM



#83
tert-Butylbenzene
Concen: 21.408 ug/l
RT: 11.76 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VX018957.D
Acq: 19 Oct 2020 17:13

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	80627		
91	56.8	27.2	81.6	
134	23.0	11.8	35.4	





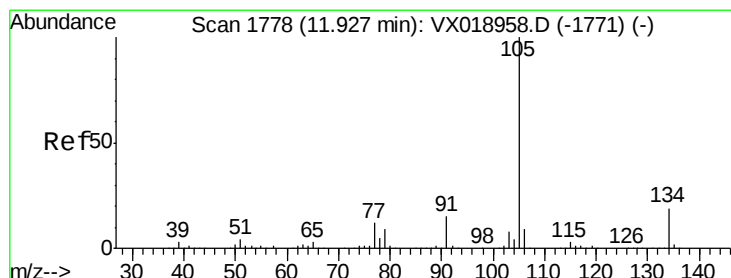
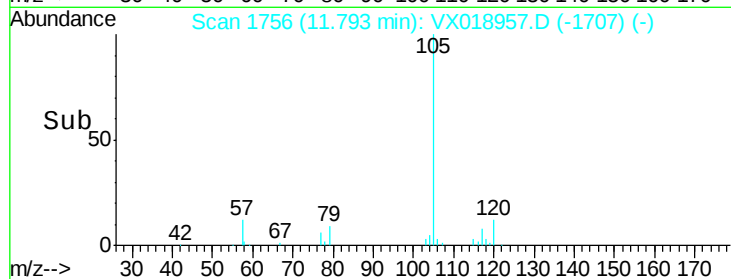
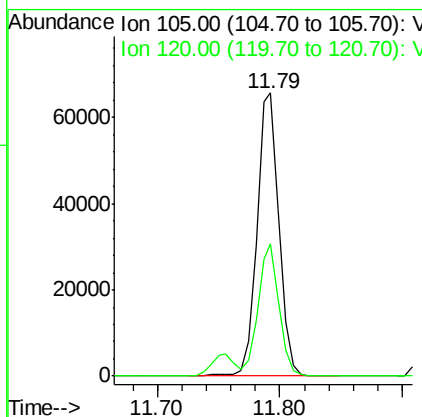
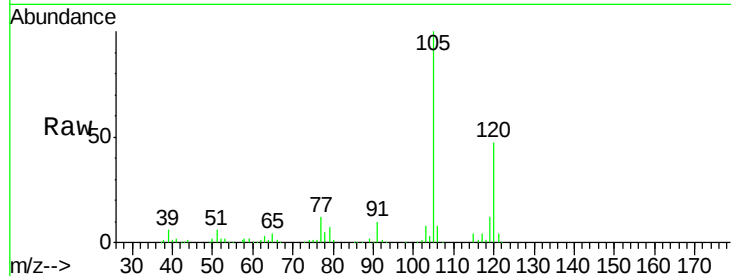
#84
1,2,4-Trimethylbenzene
Concen: 21.258 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. 0.00 min
Lab File: VX018957.D
Acq: 19 Oct 2020 17:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
105	100		
120	44.2	22.9	68.5

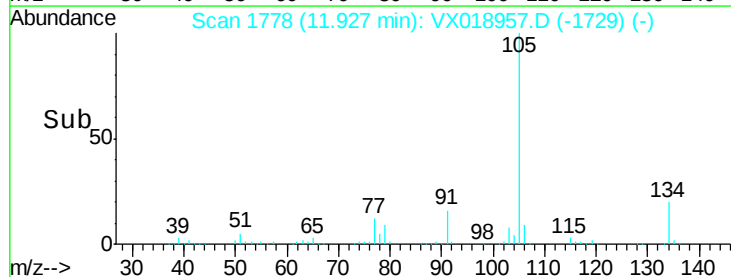
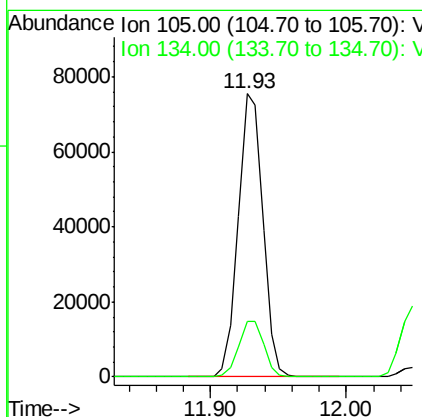
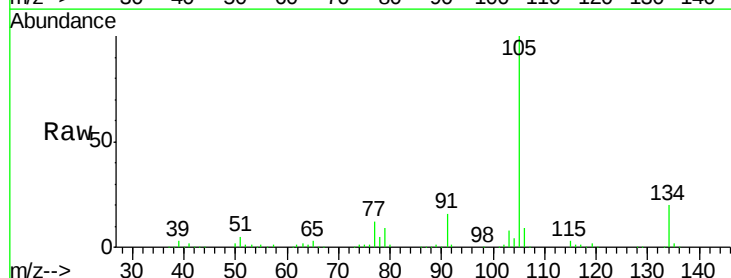
Manual Integrations
APPROVED

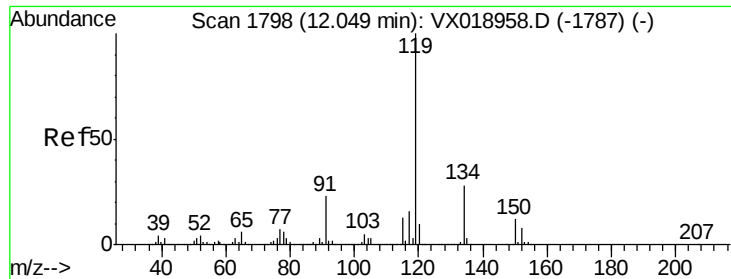
MMDadoda
10/20/2020 4:52:01 PM



#85
sec-Butylbenzene
Concen: 22.155 ug/l
RT: 11.93 min Scan# 1778
Delta R.T. 0.00 min
Lab File: VX018957.D
Acq: 19 Oct 2020 17:13

Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.1	10.3	30.8





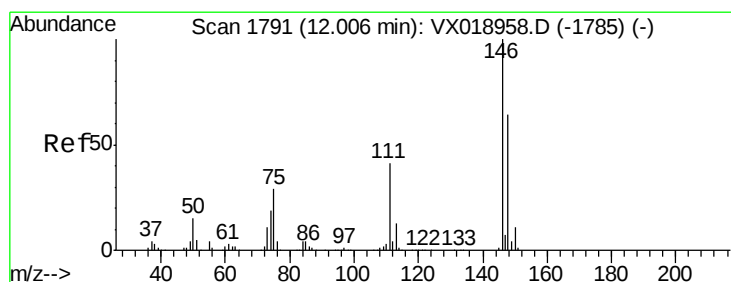
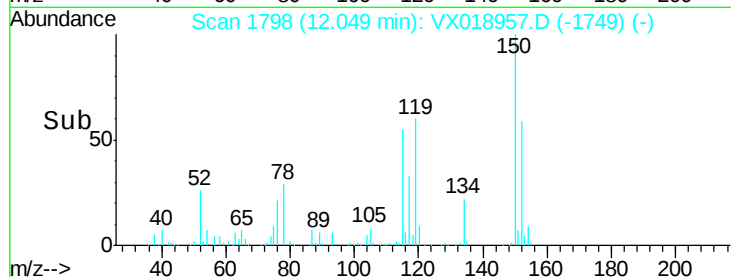
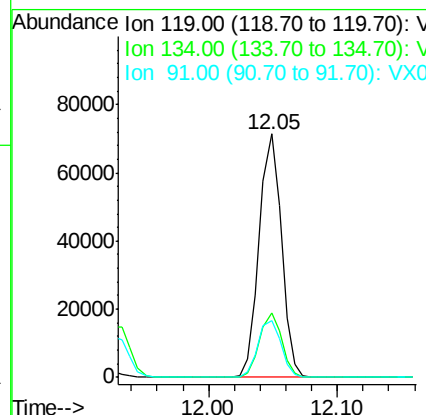
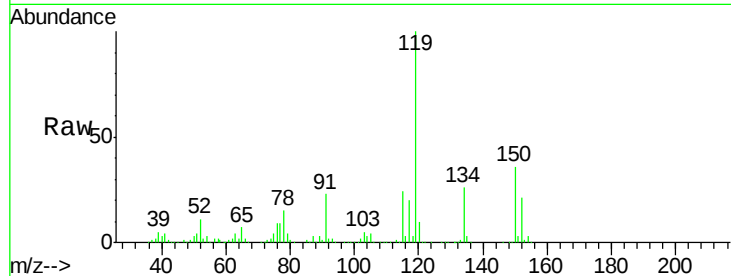
#86
 p-Isopropyltoluene
 Concen: 21.624 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. 0.00 min
 Lab File: VX018957.D
 Acq: 19 Oct 2020 17:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	84906		
134	26.4		13.8	41.4
91	24.5		11.5	34.5

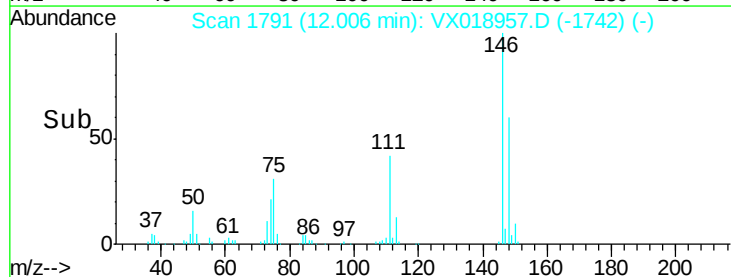
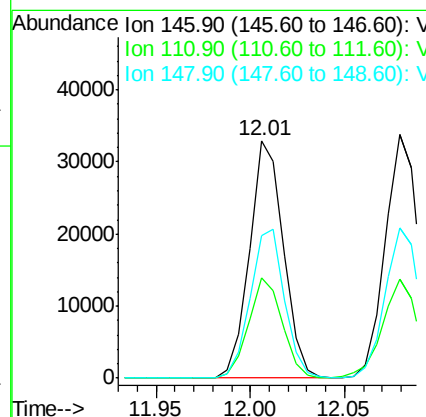
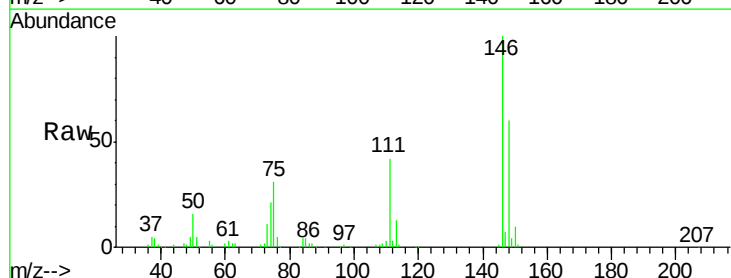
Manual Integrations
 APPROVED

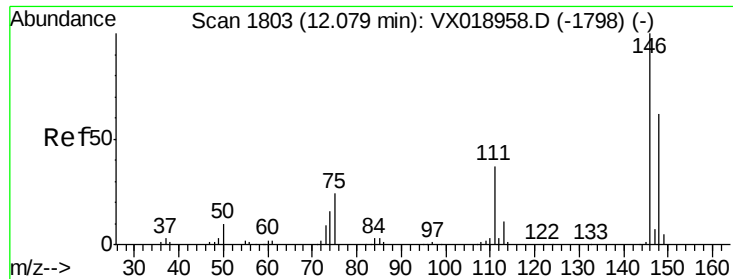
MMDadoda
 10/20/2020 4:52:01 PM



#87
 1,3-Dichlorobenzene
 Concen: 18.399 ug/l
 RT: 12.01 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX018957.D
 Acq: 19 Oct 2020 17:13

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	41111		
111	42.1		19.8	59.4
148	63.3		32.4	97.2





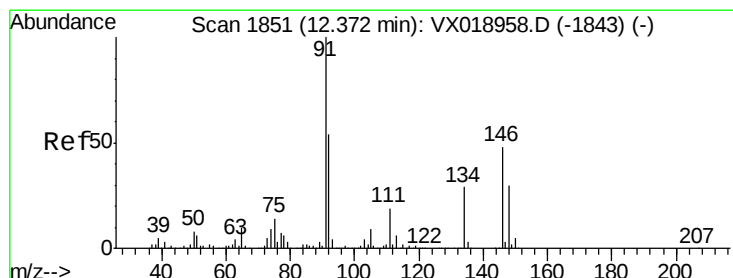
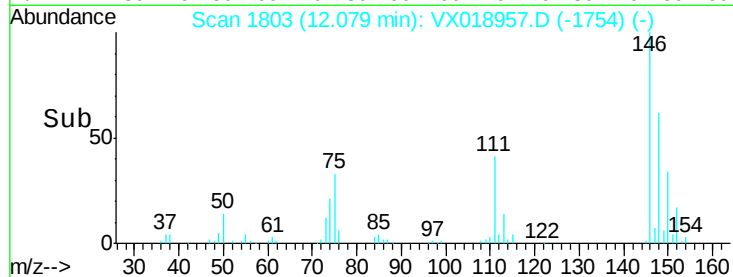
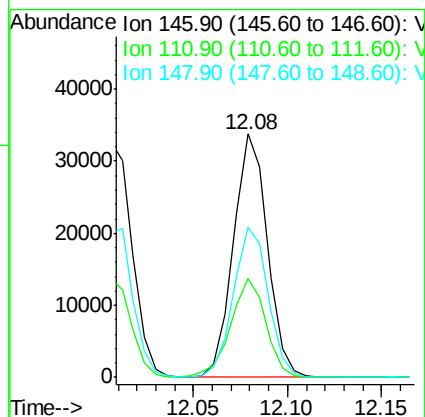
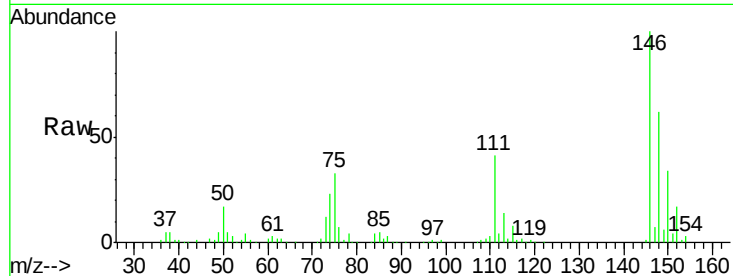
#88
1,4-Dichlorobenzene
Concen: 18.809 ug/l
RT: 12.08 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VX018957.D
Acq: 19 Oct 2020 17:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	18.8	56.3
148	63.3	31.7	95.1

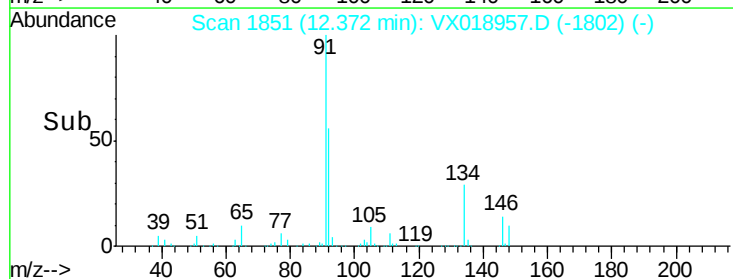
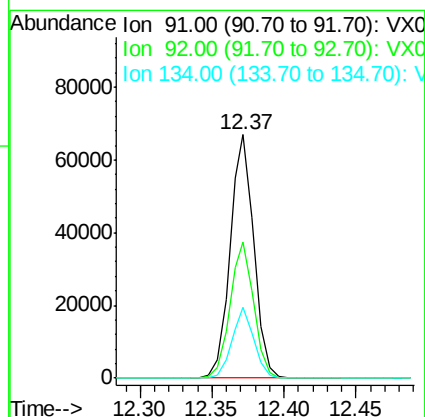
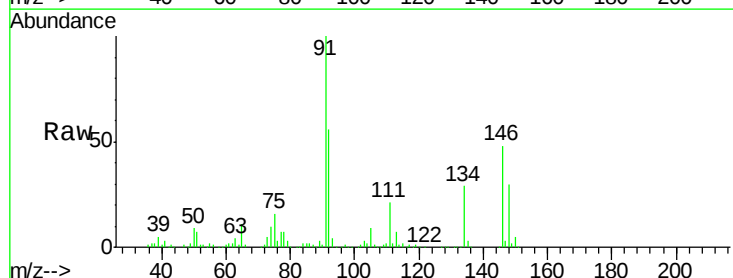
Manual Integrations
APPROVED

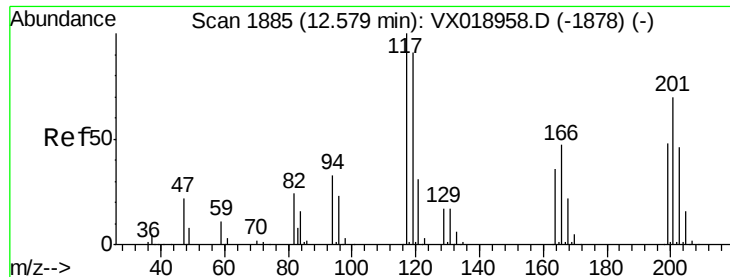
MMDadoda
10/20/2020 4:52:01 PM



#89
n-Butylbenzene
Concen: 21.506 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VX018957.D
Acq: 19 Oct 2020 17:13

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.5	27.2	81.5
134	27.0	14.2	42.6





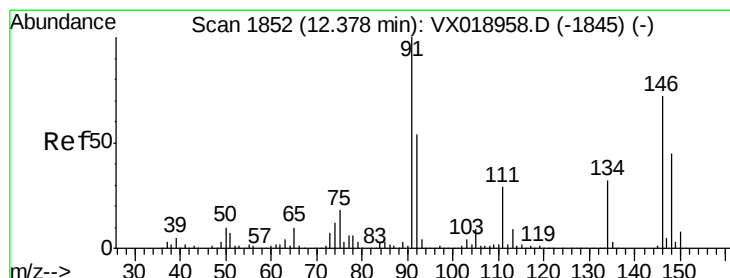
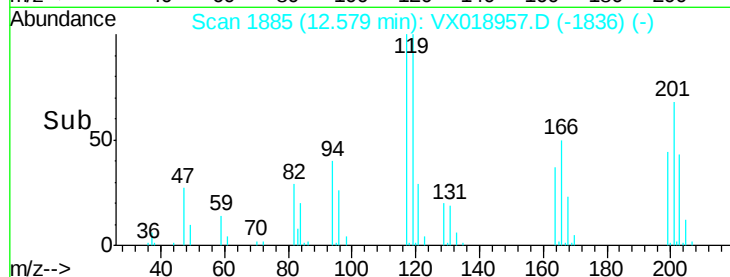
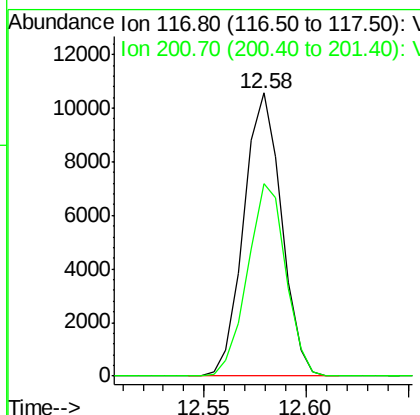
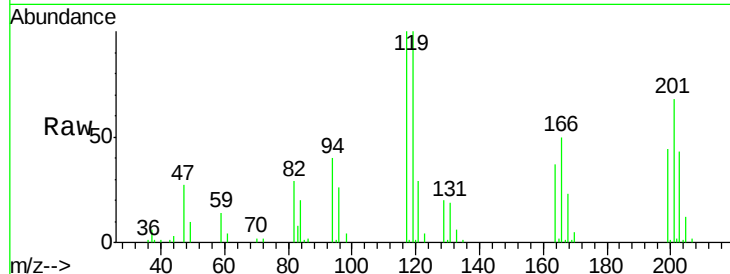
#90
Hexachloroethane
Concen: 18.046 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX018957.D
Acq: 19 Oct 2020 17:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion:117 Resp: 13588
Ion Ratio Lower Upper
117 100
201 69.0 36.9 110.7

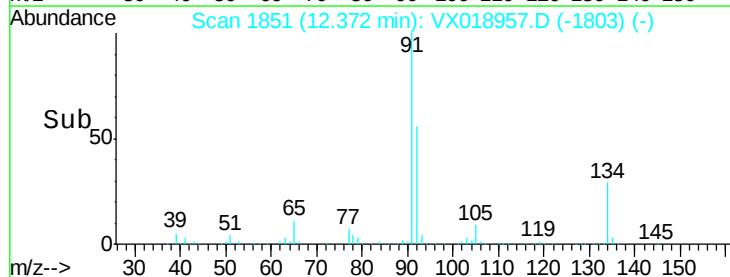
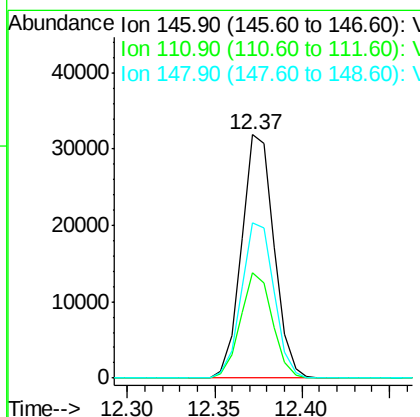
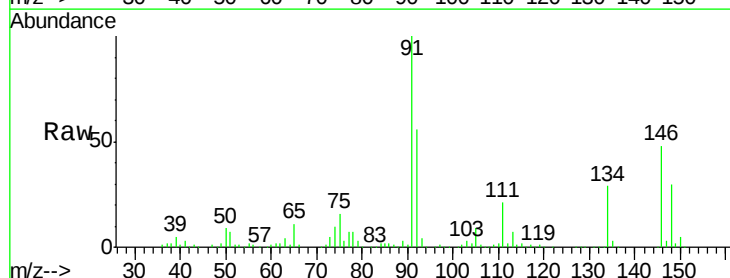
Manual Integrations
APPROVED

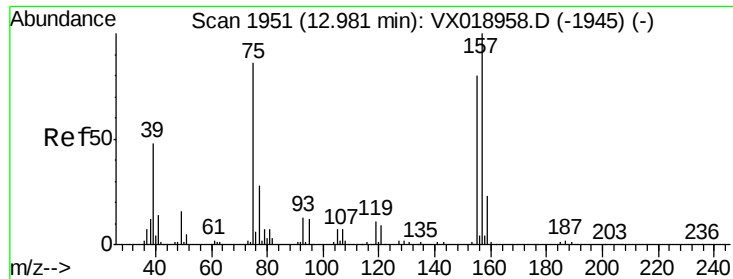
MMDadoda
10/20/2020 4:52:01 PM



#91
1,2-Dichlorobenzene
Concen: 19.447 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.01 min
Lab File: VX018957.D
Acq: 19 Oct 2020 17:13

Tgt Ion:146 Resp: 41044
Ion Ratio Lower Upper
146 100
111 42.6 20.2 60.6
148 63.9 31.4 94.0





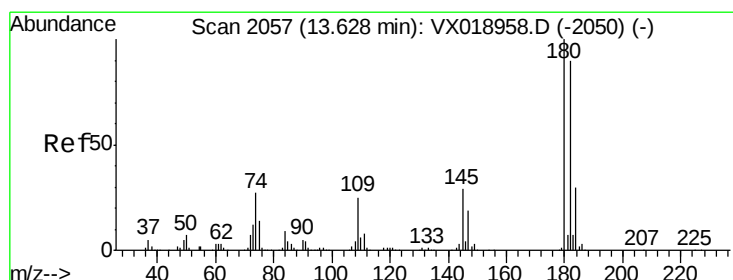
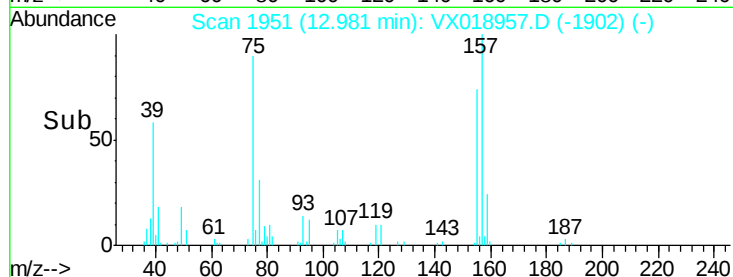
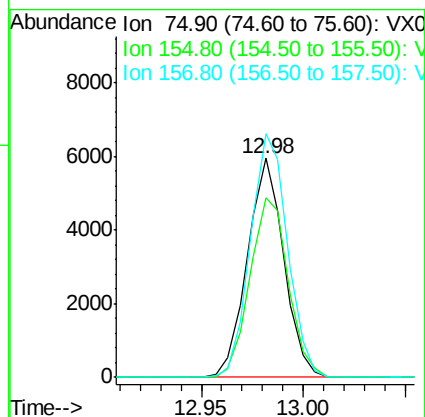
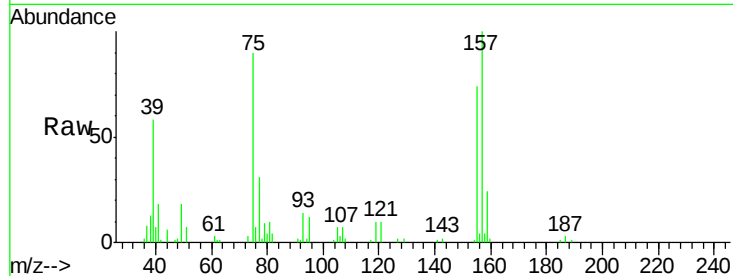
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.429 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX018957.D
 Acq: 19 Oct 2020 17:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion: 75 Resp: 7374
 Ion Ratio Lower Upper
 75 100
 155 86.1 48.2 144.6
 157 113.1 62.2 186.6

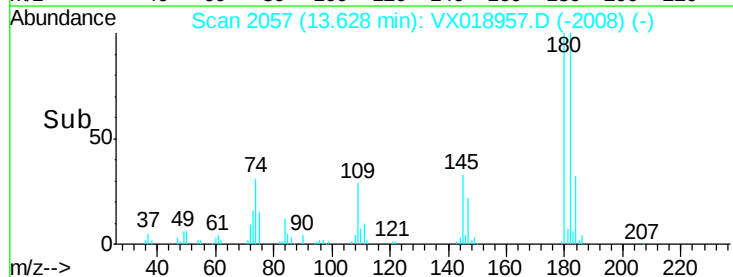
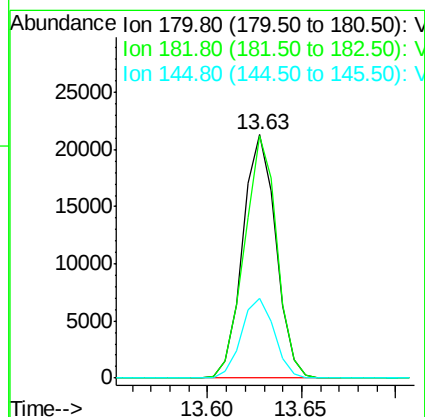
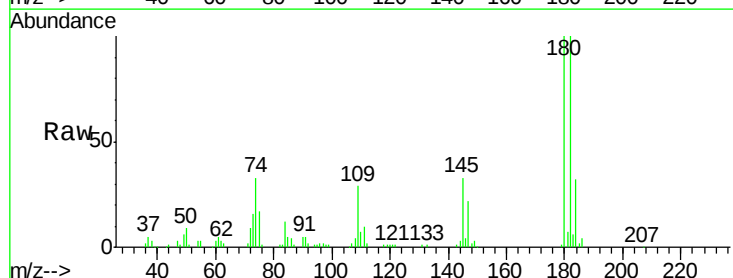
Manual Integrations
 APPROVED

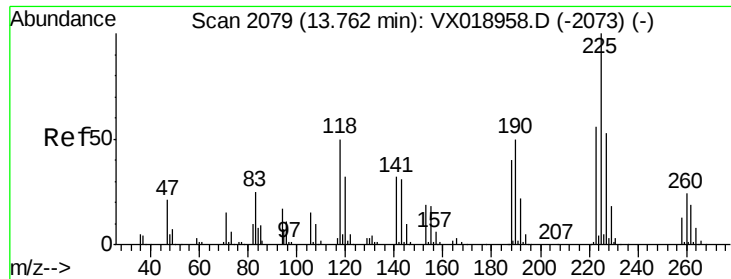
MMDadoda
 10/20/2020 4:52:01 PM



#93
 1,2,4-Trichlorobenzene
 Concen: 18.460 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX018957.D
 Acq: 19 Oct 2020 17:13

Tgt Ion: 180 Resp: 25984
 Ion Ratio Lower Upper
 180 100
 182 97.3 46.3 138.9
 145 32.4 15.5 46.5





#94

Hexachlorobutadiene

Concen: 19.190 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. 0.01 min

Lab File: VX018957.D

Acq: 19 Oct 2020 17:13

Instrument :

MSVOA_X

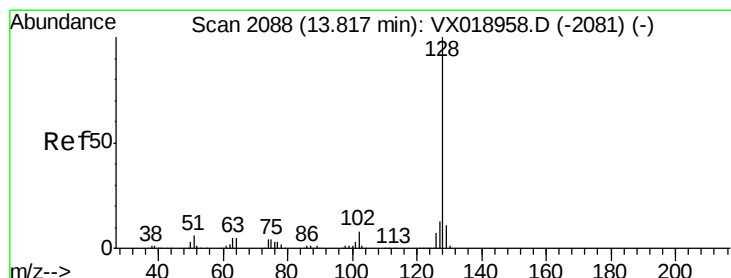
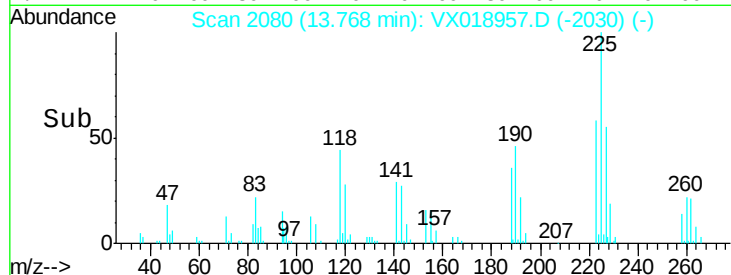
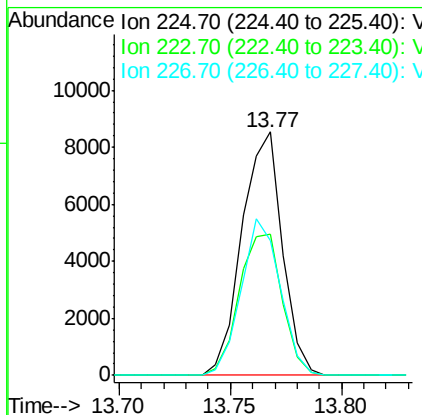
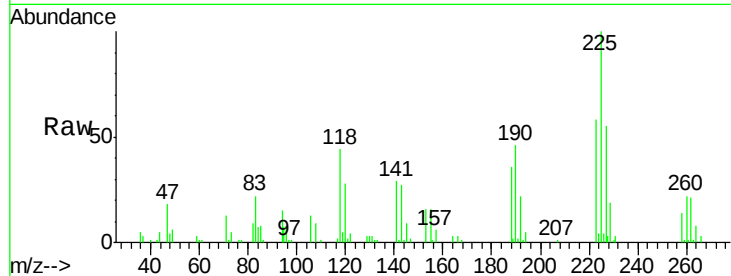
ClientSampleId :

VSTDIC020

Tot Ion:	225	Resp:	10793
Ion Ratio	Lower	Upper	
225	100		
223	61.9	31.4	94.0
227	62.3	30.9	92.8

Manual Integrations
APPROVED

MMDadoda
10/20/2020 4:52:01 PM



#95

Naphthalene

Concen: 20.598 ug/l

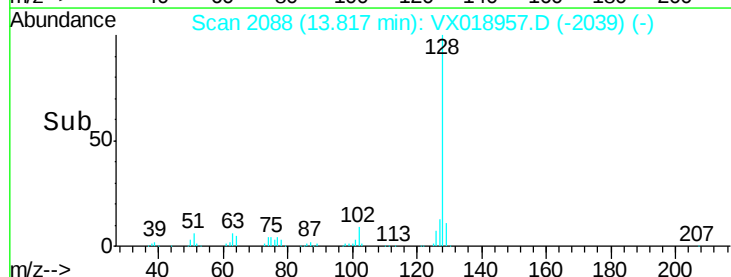
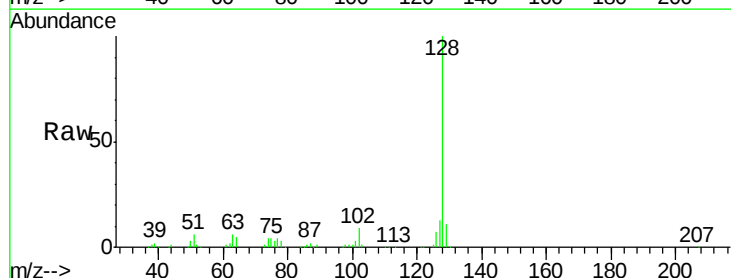
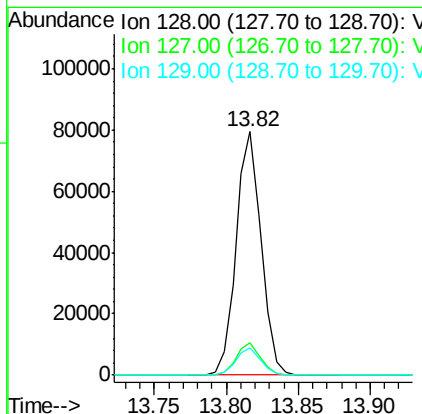
RT: 13.82 min Scan# 2088

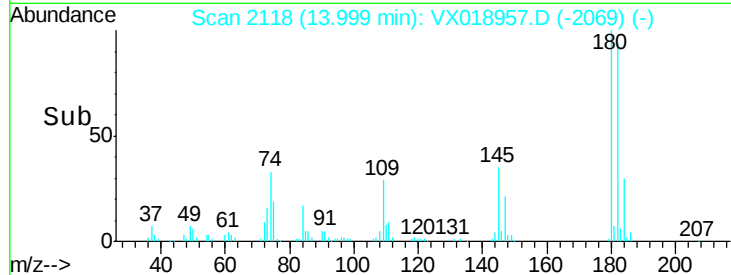
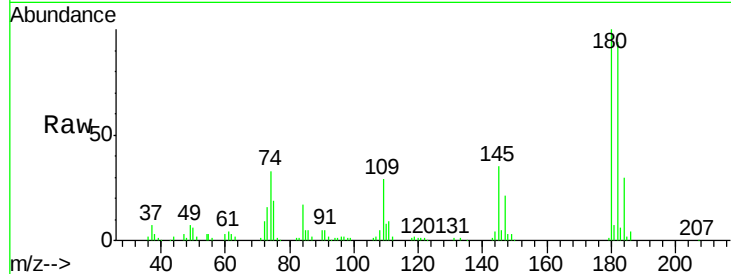
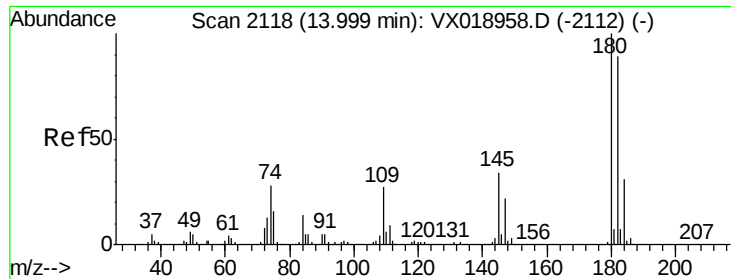
Delta R.T. 0.00 min

Lab File: VX018957.D

Acq: 19 Oct 2020 17:13

Tgt Ion:	128	Resp:	96050
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.3	15.5
129	10.9	8.6	12.8





#96
 1,2,3-Trichlorobenzene
 Concen: 18.684 ug/l
 RT: 14.00 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VX018957.D
 Acq: 19 Oct 2020 17:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.5	46.6	139.7
145	33.7	17.0	51.0

Manual Integrations
 APPROVED

MMDadoda
 10/20/2020 4:52:01 PM

