

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102620\
 Data File : VX019116.D
 Acq On : 26 Oct 2020 11:45
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 10/27/2020 6:55:06 PM

Quant Time: Oct 27 05:20:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X102320W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Oct 26 11:58:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	45687	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	262641	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.09	117	233182	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	93025	30.57	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.90%
60) 4-Bromofluorobenzene	11.12	95	109448	31.27	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	104.23%
63) Toluene-d8	8.70	98	313144	30.42	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	43646	19.010	ug/l 98
3) Chloromethane	1.31	50	40002	19.282	ug/l 99
4) Vinyl Chloride	1.39	62	51409	18.908	ug/l 100
5) Bromomethane	1.64	94	48161	23.039	ug/l 99
6) Chloroethane	1.72	64	35398	19.212	ug/l 98
7) Trichlorofluoromethane	1.92	101	90418	19.098	ug/l 95
8) Diethyl Ether	2.17	74	34594	19.493	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	46232	20.436	ug/l 99
10) 1,1-Dichloroethene	2.36	96	44628	19.405	ug/l 93
11) Methyl Iodide	2.49	142	44039	21.912	ug/l 95
12) Methyl Acetate	2.75	43	46234	20.307	ug/l 95
13) Acrolein	2.27	56	21596	103.017	ug/l 95
14) Acrylonitrile	3.11	53	108661	101.589	ug/l 98
15) Acetone	2.42	58	35044	114.371	ug/l 98
16) Carbon Disulfide	2.55	76	109334	17.104	ug/l 100
17) Allyl chloride	2.71	41	59030	20.548	ug/l 99
18) Methylene Chloride	2.83	84	52937	20.183	ug/l 100
19) trans-1,2-Dichloroethene	3.14	96	52125	19.406	ug/l 98
20) Diisopropyl ether	3.82	45	119311	20.501	ug/l 93
21) 1,1-Dichloroethane	3.67	63	86564	20.259	ug/l 99
22) cis-1,2-Dichloroethene	4.56	96	61379	19.727	ug/l 99
23) tert-Butyl Alcohol	3.01	59	55460	106.951	ug/l # 100
24) Methyl tert-Butyl Ether	3.16	73	147445	20.275	ug/l 99
25) Chloroform	5.17	83	95680	20.210	ug/l 96
26) Cyclohexane	5.54	56	63222	19.041	ug/l # 100
29) 1,1-Dichloropropene	5.76	75	71201	19.217	ug/l 99
30) 2-Butanone	4.63	43	149921	101.568	ug/l 99
31) 2,2-Dichloropropane	4.54	77	85129	20.081	ug/l 97
32) 1,1,1-Trichloroethane	5.46	97	86194	19.355	ug/l 100
33) Carbon Tetrachloride	5.75	117	74333	19.234	ug/l 96
34) Benzene	6.11	78	210352	19.295	ug/l 99
35) Methacrylonitrile	5.00	41	31216	19.536	ug/l 98
36) 1,2-Dichloroethane	6.16	62	72566	19.404	ug/l 99
37) Trichloroethene	7.18	130	60830	19.412	ug/l 100
38) Methylcyclohexane	7.43	83	77326	18.619	ug/l 98
39) 1,2-Dichloropropane	7.49	63	51188	20.227	ug/l 98
40) Dibromomethane	7.63	93	38041	19.369	ug/l 98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102620\
 Data File : VX019116.D
 Acq On : 26 Oct 2020 11:45
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 10/27/2020 6:55:06 PM

Quant Time: Oct 27 05:20:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X102320W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Oct 26 11:58:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.87	83	74614	19.216	ug/l	97
42) Vinyl Acetate	3.78	43	562084	97.867	ug/l	100
43) Ethyl Acetate	4.78	43	59023	19.061	ug/l	100
44) Isopropyl Acetate	6.40	43	100607	19.403	ug/l	100
45) 1,4-Dioxane	7.73	88	22457	412.040	ug/l	99
46) Methyl methacrylate	7.74	41	47238	19.248	ug/l	99
47) n-amyl Acetate	10.88	43	81260	19.537	ug/l	100
48) t-1,3-Dichloropropene	9.02	75	82967	19.087	ug/l	99
49) cis-1,3-Dichloropropene	8.42	75	90604	19.587	ug/l	99
50) 1,1,2-Trichloroethane	9.20	97	55711	19.584	ug/l	99
51) Ethyl methacrylate	9.16	69	79492	19.151	ug/l	97
52) 1,3-Dichloropropane	9.35	76	90946	19.625	ug/l	100
53) Dibromochloromethane	9.56	129	61317	19.363	ug/l	99
54) 1,2-Dibromoethane	9.65	107	59214	19.156	ug/l	99
55) 2-Chloroethyl vinyl ether	8.29	63	196037	88.375	ug/l	100
56) Bromoform	10.84	173	43235	19.529	ug/l	99
58) 4-Methyl-2-Pentanone	8.62	43	297383	101.130	ug/l	100
59) 2-Hexanone	9.47	43	227264	103.713	ug/l	99
61) Tetrachloroethene	9.32	164	58975	21.319	ug/l	97
62) Toluene	8.76	91	240631	19.635	ug/l	98
64) Chlorobenzene	10.12	112	152882	20.068	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.20	131	55925	20.185	ug/l	99
66) Ethyl Benzene	10.23	91	265711	19.776	ug/l	97
67) m/p-Xylenes	10.34	106	204009	39.814	ug/l	99
68) o-Xylene	10.68	106	97688	19.989	ug/l	99
69) Styrene	10.70	104	161850	19.656	ug/l	99
70) Isopropylbenzene	11.00	105	261815	19.925	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.25	83	80737	21.283	ug/l	100
72) 1,2,3-Trichloropropane	11.28	75	74506m	21.840	ug/l	
73) Bromobenzene	11.24	156	66153	20.599	ug/l	98
74) n-propylbenzene	11.34	91	306702	20.614	ug/l	100
75) 2-Chlorotoluene	11.40	91	174746	20.763	ug/l	99
76) 1,3,5-Trimethylbenzene	11.49	105	220570	20.686	ug/l	99
77) t-1,4-Dichloro-2-butene	11.05	75	26754	19.747	ug/l	93
78) 4-Chlorotoluene	11.49	91	206314	20.861	ug/l	98
79) tert-butylbenzene	11.75	119	214839	20.461	ug/l	99
80) 1,2,4-Trimethylbenzene	11.79	105	219124	20.673	ug/l	99
81) sec-Butylbenzene	11.93	105	261544	21.051	ug/l	100
82) p-Isopropyltoluene	12.05	119	240205	20.978	ug/l	99
83) 1,3-Dichlorobenzene	12.01	146	121925	21.242	ug/l	100
84) 1,4-Dichlorobenzene	12.08	146	124705	21.399	ug/l	99
85) n-Butylbenzene	12.37	91	220277	21.486	ug/l	100
86) Hexachloroethane	12.58	117	35462	20.164	ug/l	100
87) 1,2-Dichlorobenzene	12.38	146	118081	21.489	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	12.98	75	16894	19.677	ug/l	98
89) 1,2,4-Trichlorobenzene	13.63	180	84110	21.270	ug/l	98
90) Hexachlorobutadiene	13.76	225	35963	21.449	ug/l	99
91) Naphthalene	13.82	128	262008	20.240	ug/l	99
92) 1,2,3-Trichlorobenzene	14.00	180	81839	21.515	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102620\
Data File : VX019116.D
Acq On : 26 Oct 2020 11:45
Operator : JC/SP
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

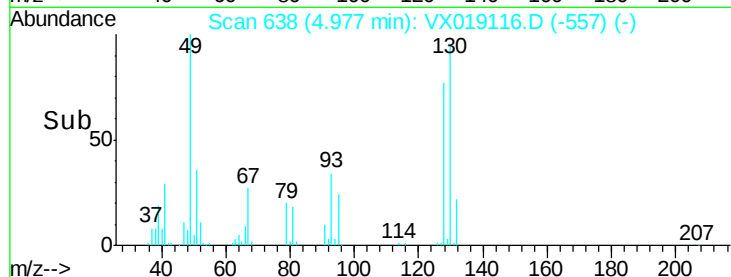
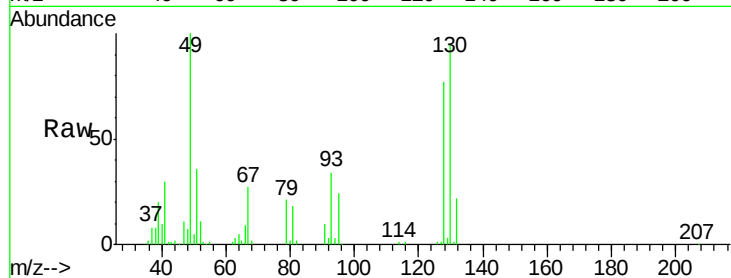
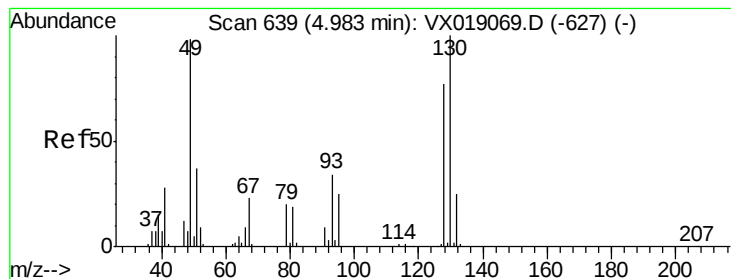
Manual Integrations
APPROVED

MMDadoda
10/27/2020 6:55:06 PM

Quant Time: Oct 27 05:20:08 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X102320W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Oct 26 11:58:08 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

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



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 4.98 min Scan# 638

Delta R.T. -0.01 min

Lab File: VX019116.D

Acq: 26 Oct 2020 11:45

Tot Ion:	128	Resp:	45687
Ion	Ratio	Lower	Upper
128	100		
49	125.3	0.0	318.8
130	125.7	0.0	321.8

Instrument :

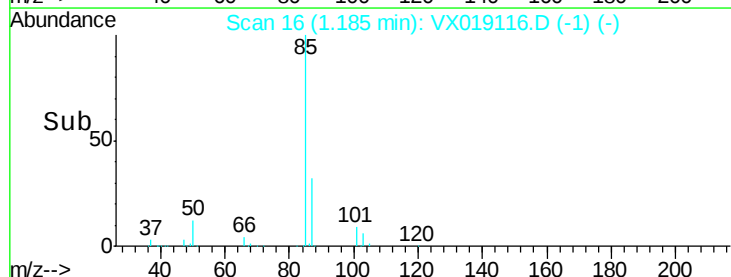
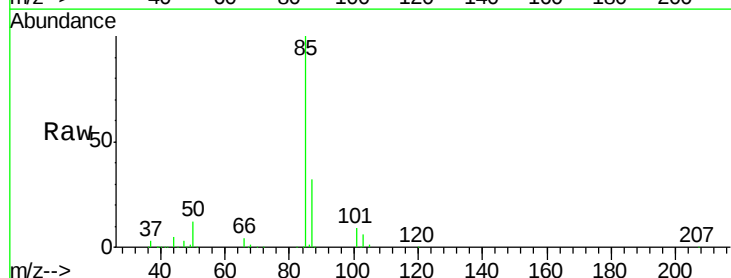
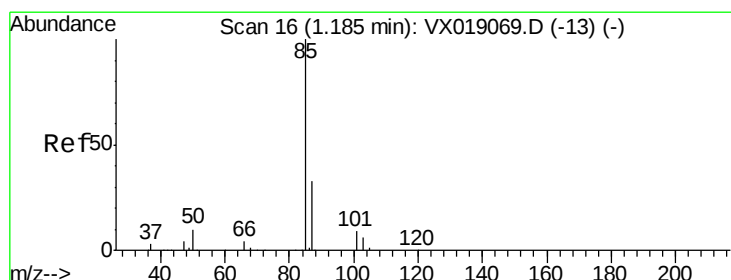
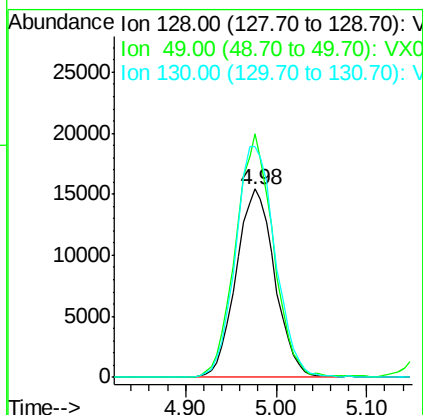
MSVOA_X

ClientSampleId :

VSTDCCC020

Manual Integrations
APPROVED

MMDadoda
10/27/2020 6:55:06 PM



#2

Dichlorodifluoromethane

Concen: 19.010 ug/l

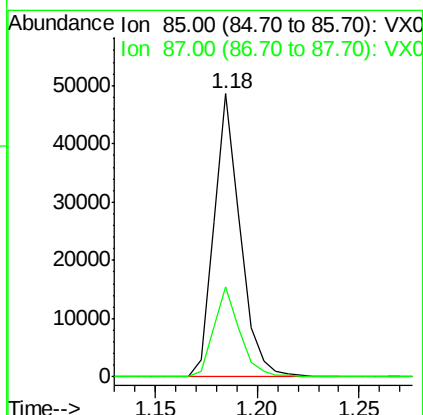
RT: 1.18 min Scan# 16

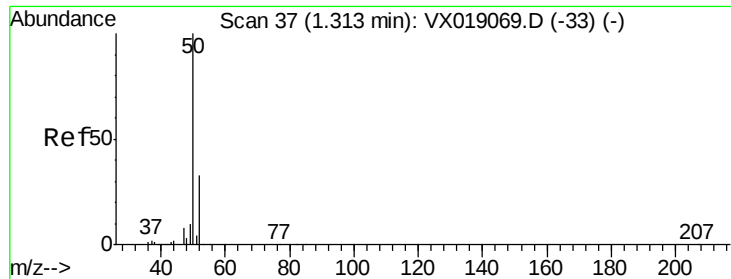
Delta R.T. 0.00 min

Lab File: VX019116.D

Acq: 26 Oct 2020 11:45

Tgt Ion:	85	Resp:	43646
Ion	Ratio	Lower	Upper
85	100		
87	31.9	16.6	49.7





#3

Chloromethane

Concen: 19.282 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX019116.D

Acq: 26 Oct 2020 11:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 50 Resp: 40002

Ion Ratio Lower Upper

50 100

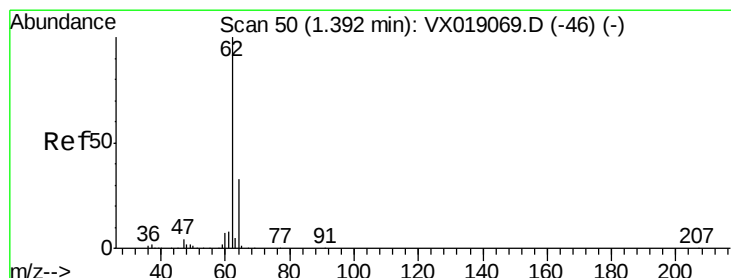
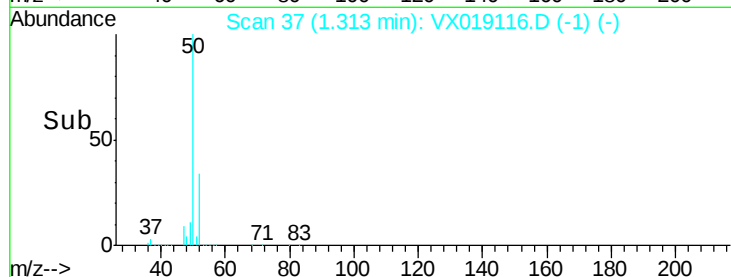
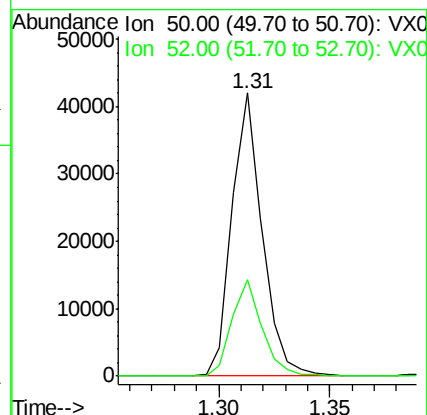
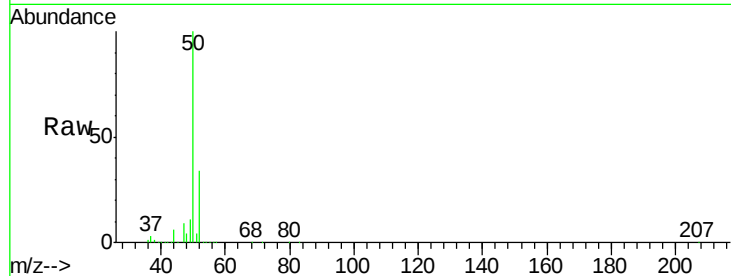
52 33.9 26.7 40.1

Manual Integrations

APPROVED

MMDadoda

10/27/2020 6:55:06 PM



#4

Vinyl Chloride

Concen: 18.908 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX019116.D

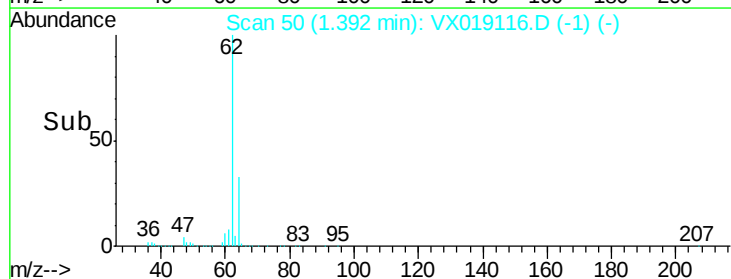
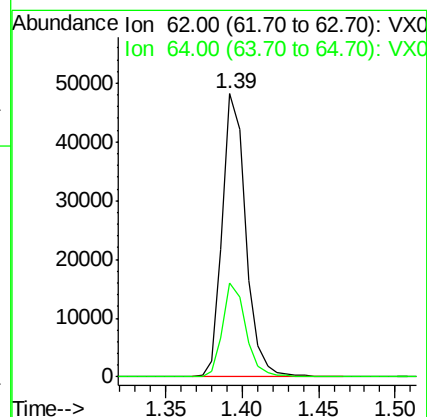
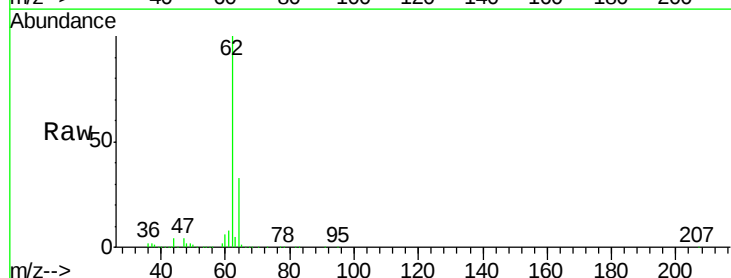
Acq: 26 Oct 2020 11:45

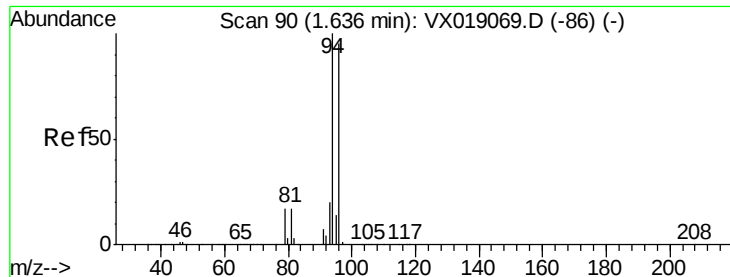
Tgt Ion: 62 Resp: 51409

Ion Ratio Lower Upper

62 100

64 33.3 26.7 40.1





#5

Bromomethane

Concen: 23.039 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.00 min

Lab File: VX019116.D

Acq: 26 Oct 2020 11:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 94 Resp: 48161

Ion Ratio Lower Upper

94 100

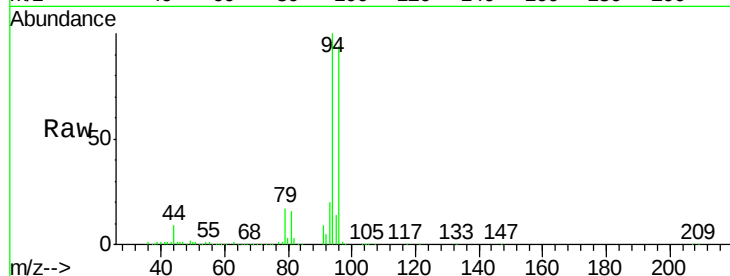
96 94.2 76.2 114.2

Manual Integrations

APPROVED

MMDadoda

10/27/2020 6:55:06 PM



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0

1.64

50000

40000

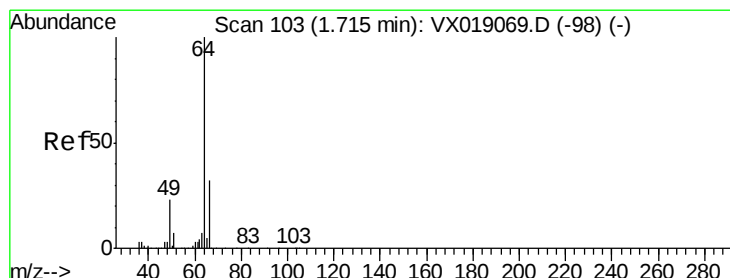
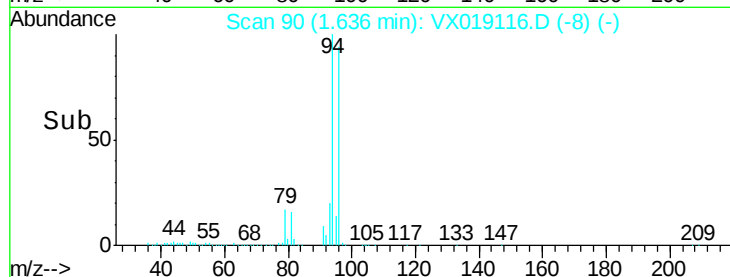
30000

20000

10000

0

Time-->



#6

Chloroethane

Concen: 19.212 ug/l

RT: 1.72 min Scan# 103

Delta R.T. 0.00 min

Lab File: VX019116.D

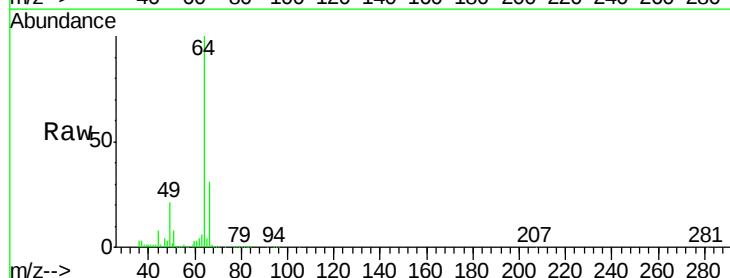
Acq: 26 Oct 2020 11:45

Tgt Ion: 64 Resp: 35398

Ion Ratio Lower Upper

64 100

66 31.3 25.9 38.9



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0

1.72

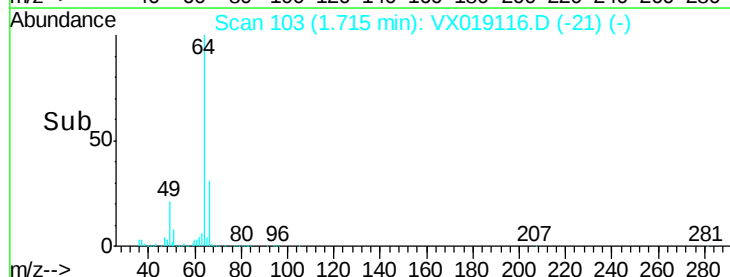
30000

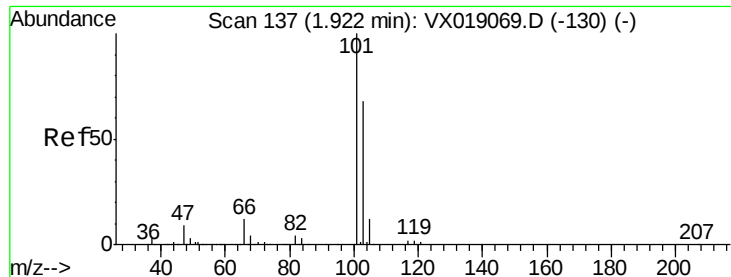
20000

10000

0

Time-->





#7

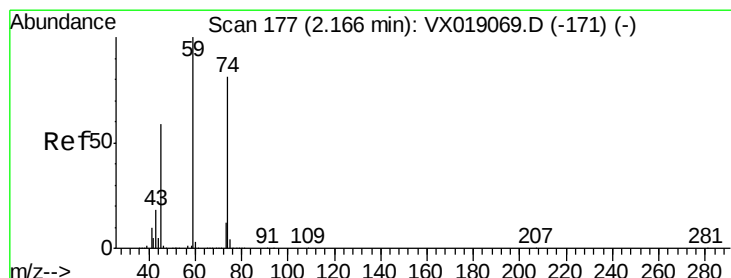
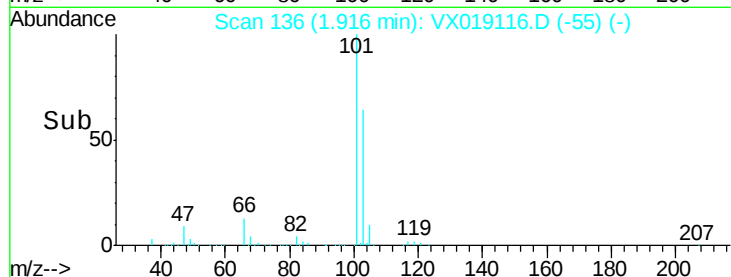
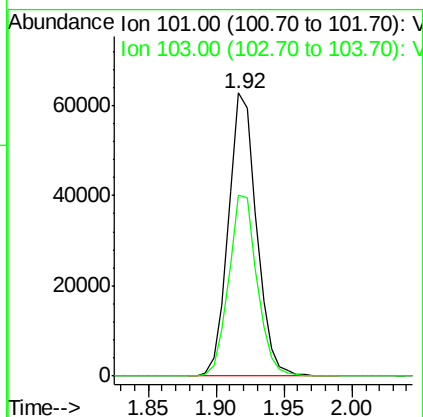
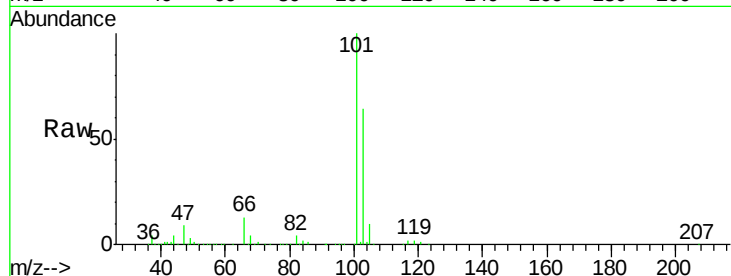
Trichlorofluoromethane
Concen: 19.098 ug/l
RT: 1.92 min Scan# 136
Delta R.T. -0.01 min
Lab File: VX019116.D
Acq: 26 Oct 2020 11:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	54.2	81.4

Manual Integrations
APPROVED

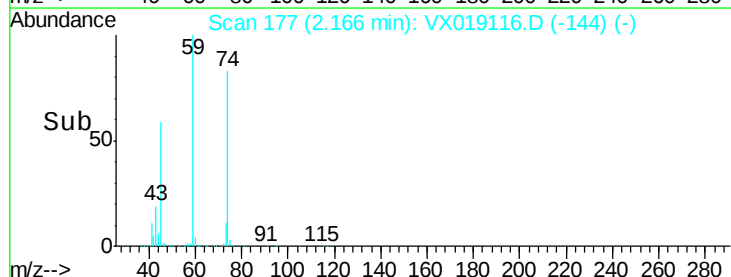
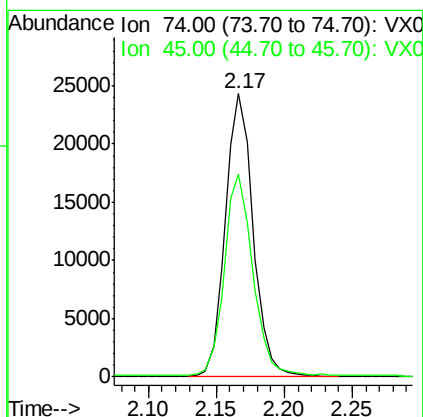
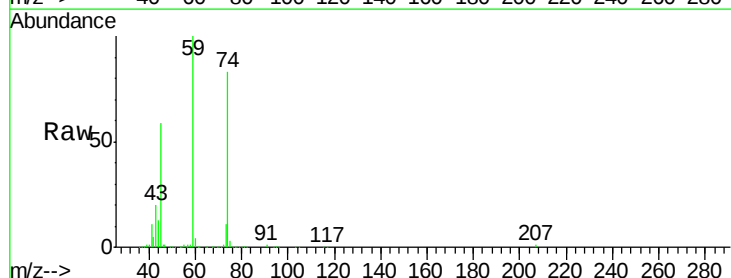
MMDadoda
10/27/2020 6:55:06 PM

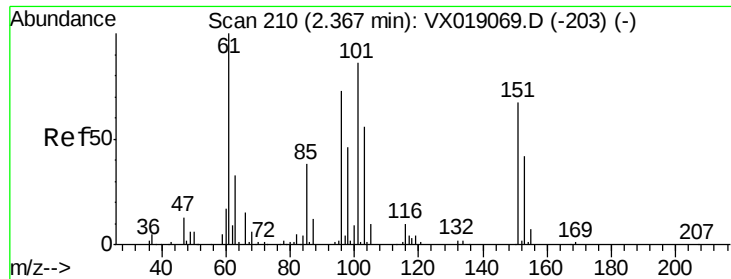


#8

Diethyl Ether
Concen: 19.493 ug/l
RT: 2.17 min Scan# 177
Delta R.T. 0.00 min
Lab File: VX019116.D
Acq: 26 Oct 2020 11:45

Tgt Ion	Ratio	Lower	Upper
74	100		
45	72.5	14.5	130.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.436 ug/l

RT: 2.37 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX019116.D

Acq: 26 Oct 2020 11:45

Instrument :

MSVOA_X

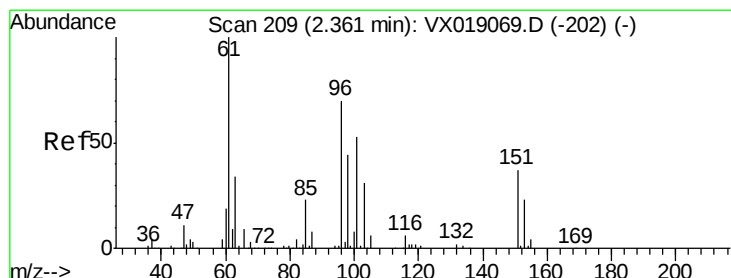
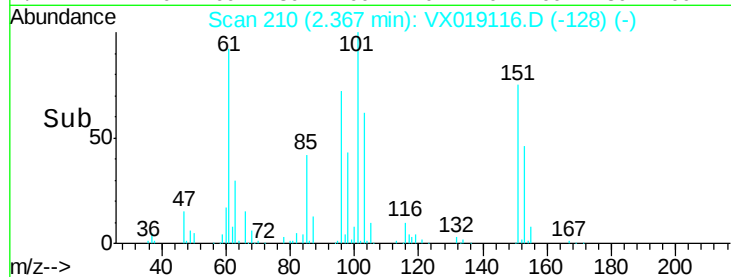
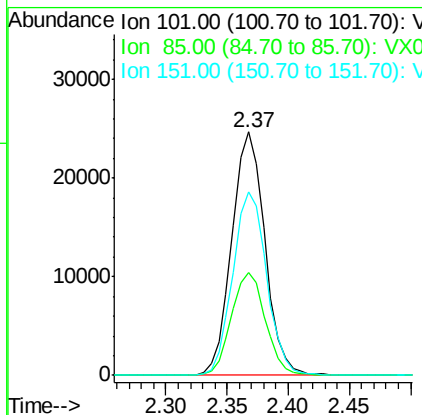
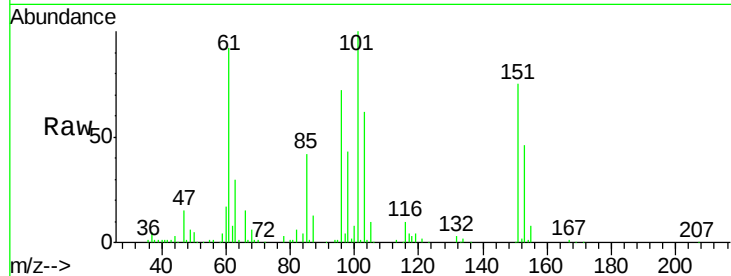
ClientSampleId :

VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
101	100	46232		
85	43.1	0.0	87.0	
151	77.4	0.0	151.8	

Manual Integrations
APPROVED

MMDadoda
10/27/2020 6:55:06 PM



#10

1,1-Dichloroethene

Concen: 19.405 ug/l

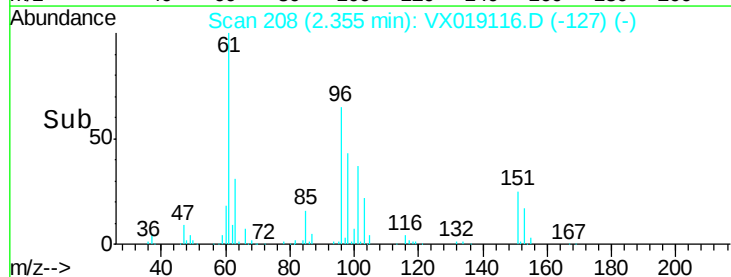
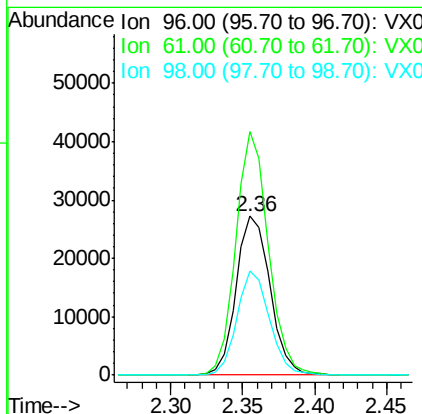
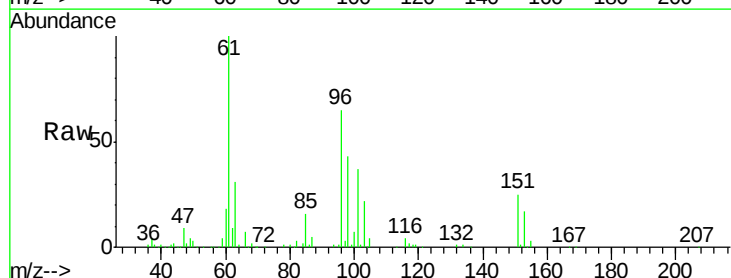
RT: 2.36 min Scan# 208

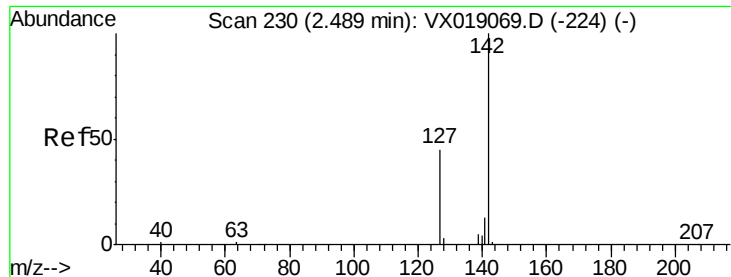
Delta R.T. -0.01 min

Lab File: VX019116.D

Acq: 26 Oct 2020 11:45

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	44628		
61	153.3	113.8	170.8	
98	65.8	50.4	75.6	





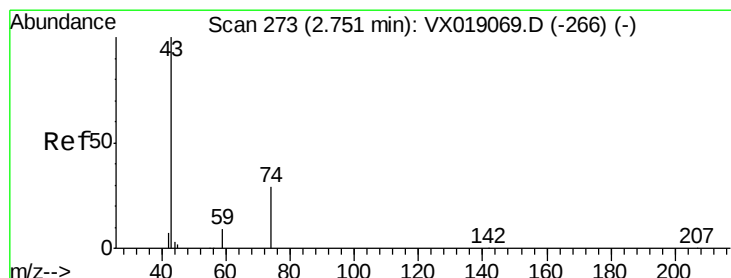
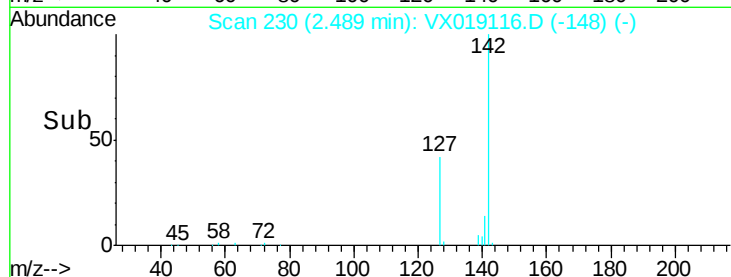
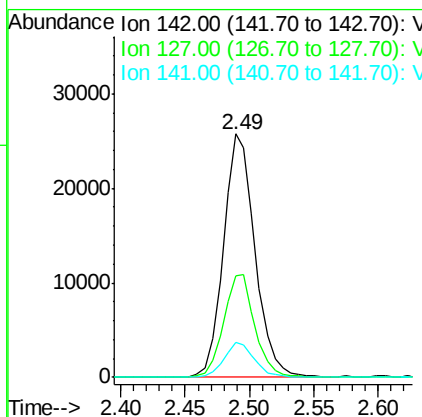
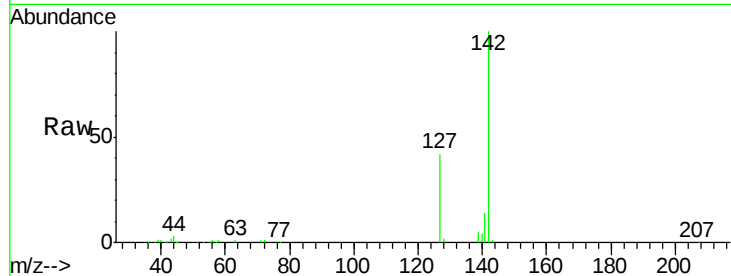
#11
Methyl Iodide
Concen: 21.912 ug/l
RT: 2.49 min Scan# 230
Delta R.T. 0.00 min
Lab File: VX019116.D
Acq: 26 Oct 2020 11:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
142	100		
127	42.0	22.6	67.7
141	14.5	6.3	19.1

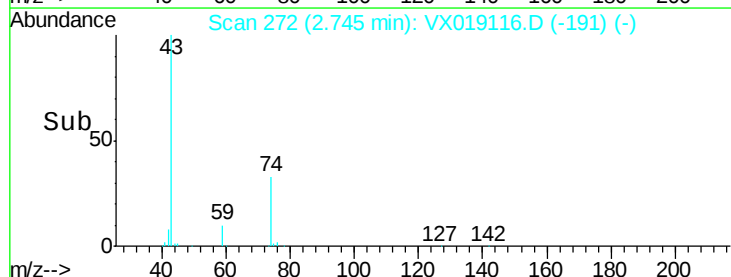
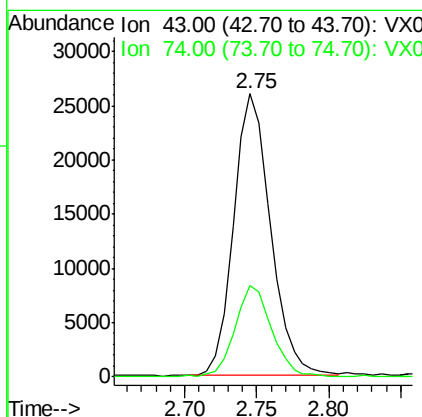
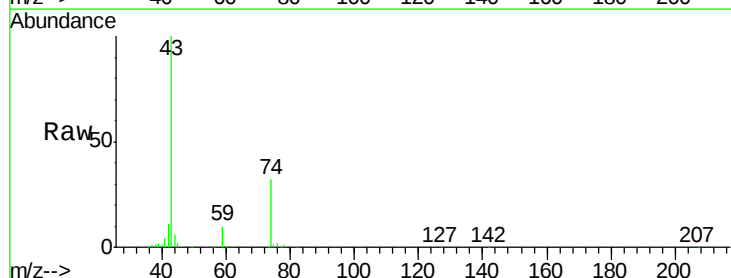
Manual Integrations
APPROVED

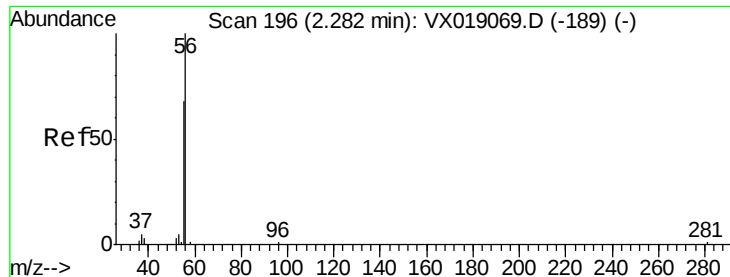
MMDadoda
10/27/2020 6:55:06 PM



#12
Methyl Acetate
Concen: 20.307 ug/l
RT: 2.75 min Scan# 272
Delta R.T. -0.01 min
Lab File: VX019116.D
Acq: 26 Oct 2020 11:45

Tgt Ion	Ratio	Lower	Upper
43	100		
74	32.3	23.9	35.9





#13

Acrolein

Concen: 103.017 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.01 min

Lab File: VX019116.D

Acq: 26 Oct 2020 11:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 56 Resp: 21596

Ion Ratio Lower Upper

56 100

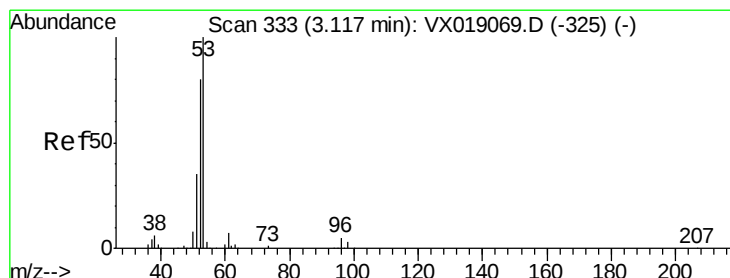
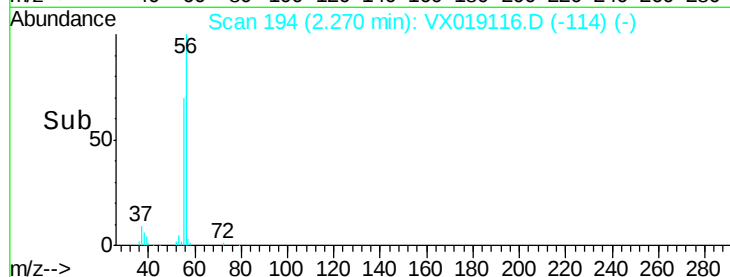
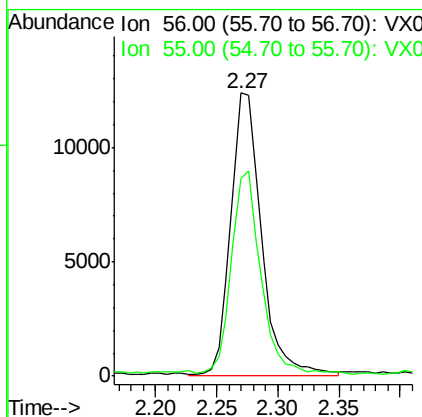
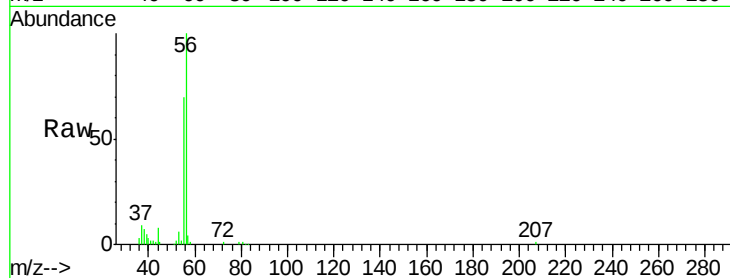
55 68.6 58.2 87.2

Manual Integrations

APPROVED

MMDadoda

10/27/2020 6:55:06 PM



#14

Acrylonitrile

Concen: 101.589 ug/l

RT: 3.11 min Scan# 332

Delta R.T. -0.01 min

Lab File: VX019116.D

Acq: 26 Oct 2020 11:45

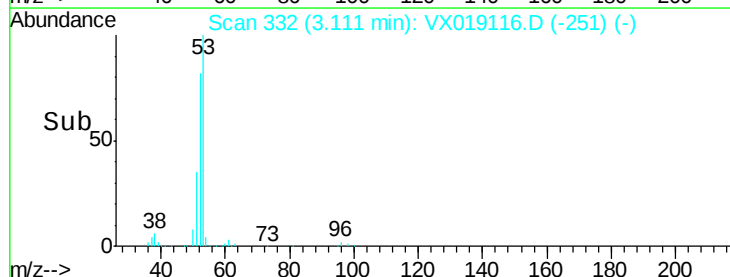
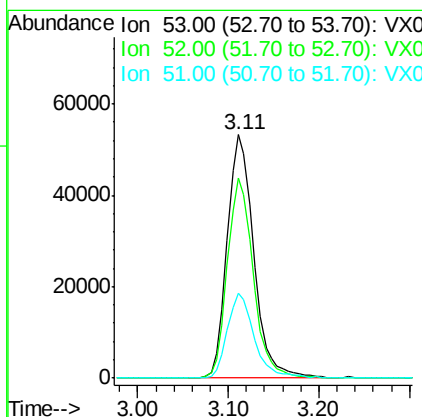
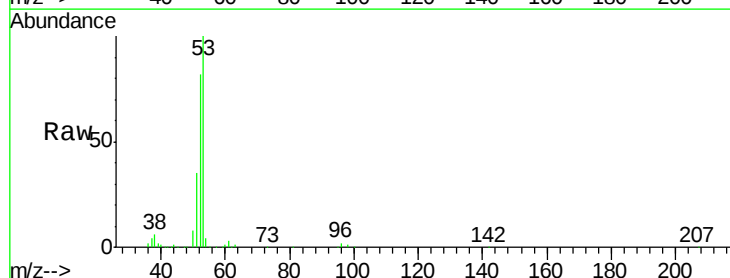
Tgt Ion: 53 Resp: 108661

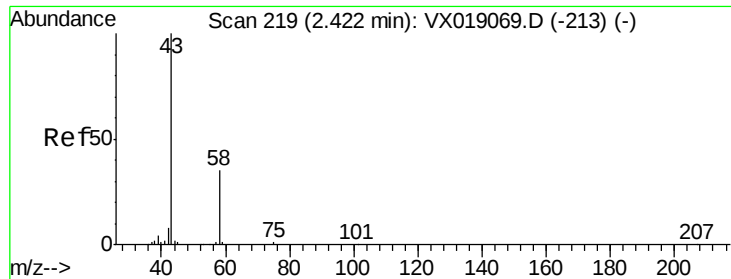
Ion Ratio Lower Upper

53 100

52 80.5 41.0 123.0

51 35.3 18.2 54.6





#15

Acetone

Concen: 114.371 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.00 min

Lab File: VX019116.D

Acq: 26 Oct 2020 11:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 58 Resp: 35044

Ion Ratio Lower Upper

58 100

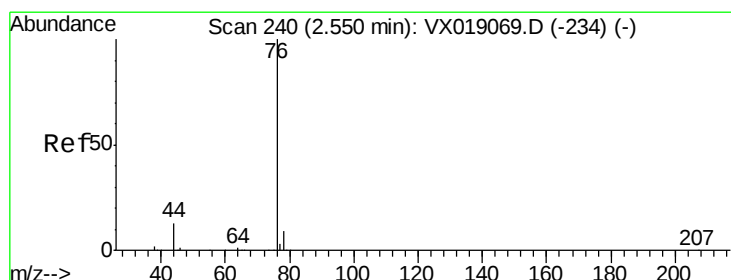
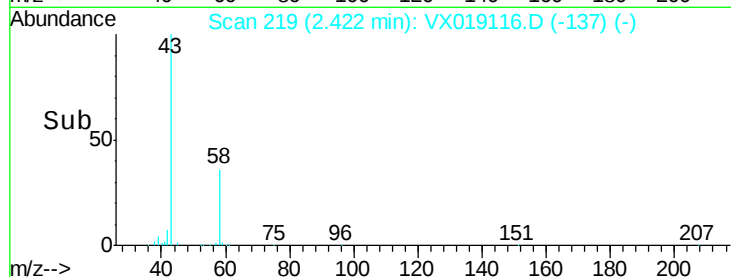
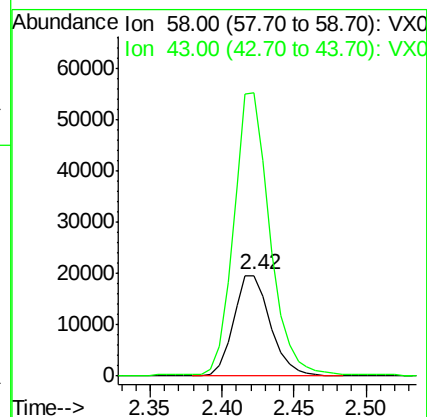
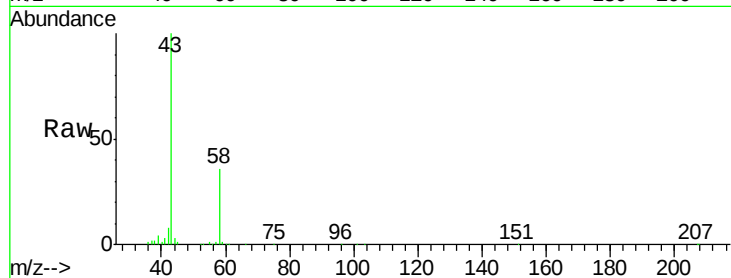
43 279.7 226.7 340.1

Manual Integrations

APPROVED

MMDadoda

10/27/2020 6:55:06 PM



#16

Carbon Disulfide

Concen: 17.104 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX019116.D

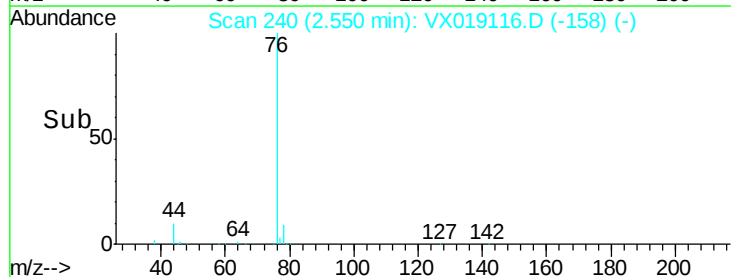
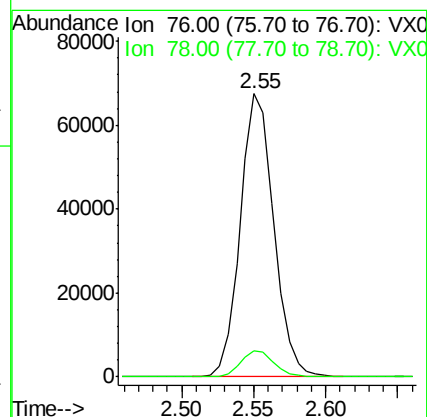
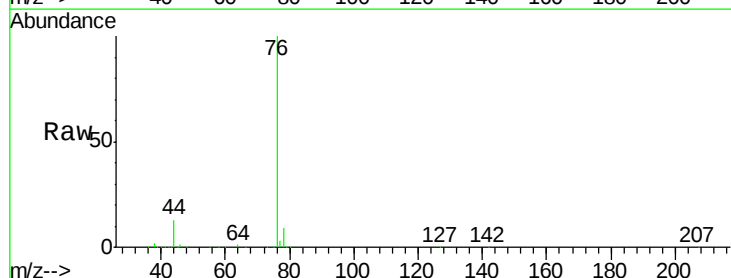
Acq: 26 Oct 2020 11:45

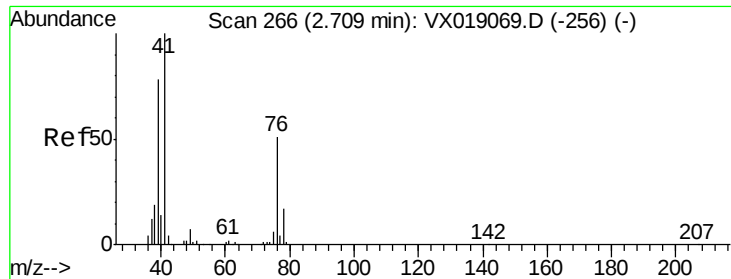
Tgt Ion: 76 Resp: 109334

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8





#17

Allvl chloride

Concen: 20.548 ug/l

RT: 2.71 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX019116.D

Acq: 26 Oct 2020 11:45

Instrument :

MSVOA_X

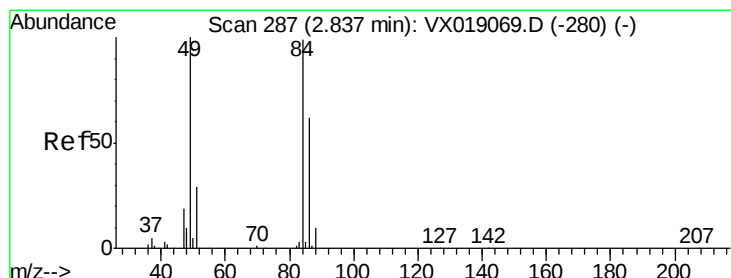
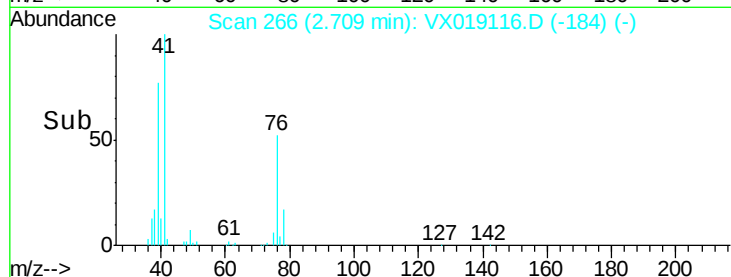
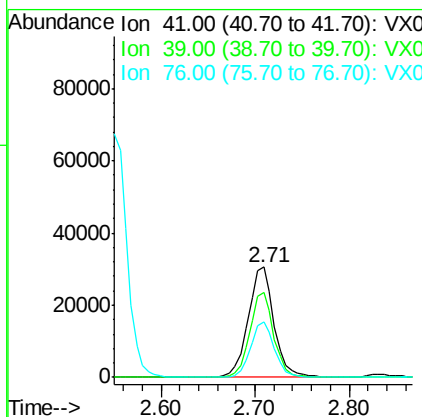
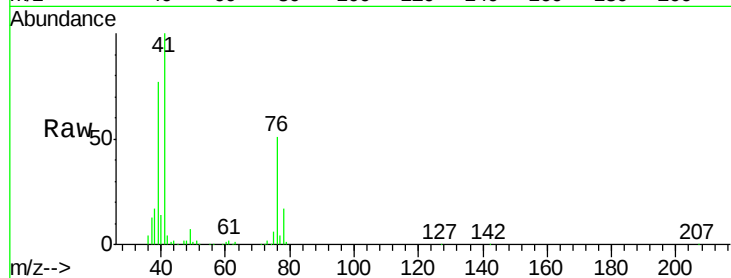
ClientSampleId :

VSTDCCC020

Tot Ion:	41	Resp:	59030
Ion	Ratio	Lower	Upper
41	100		
39	77.0	38.8	116.3
76	51.0	25.8	77.4

Manual Integrations
APPROVED

MMDadoda
10/27/2020 6:55:06 PM



#18

Methylene Chloride

Concen: 20.183 ug/l

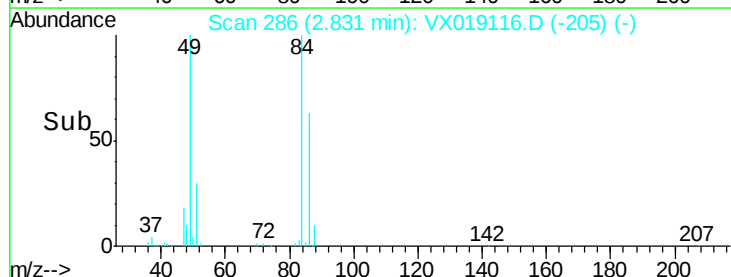
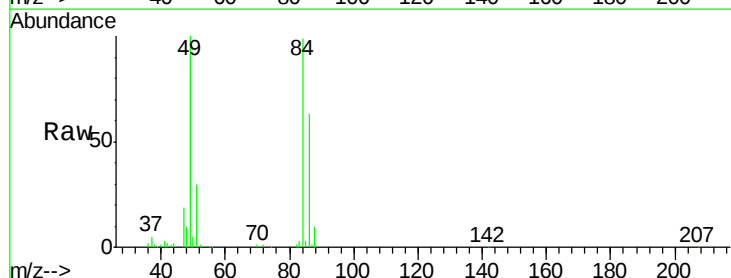
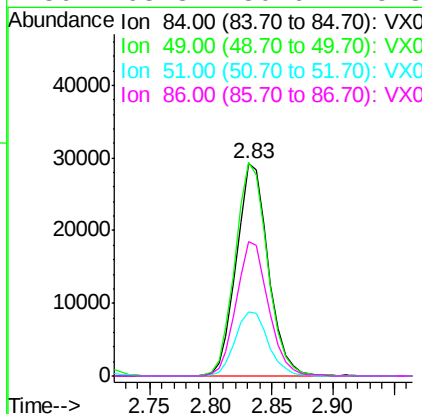
RT: 2.83 min Scan# 286

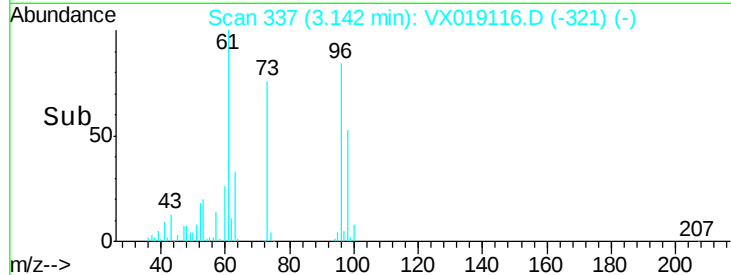
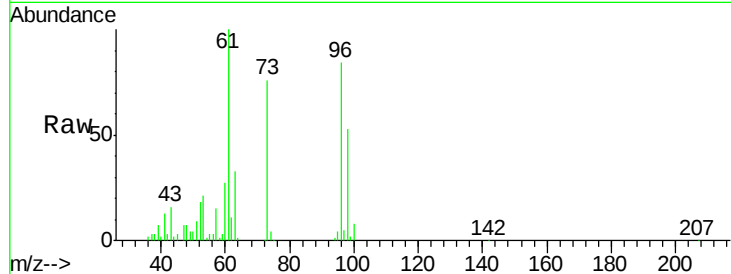
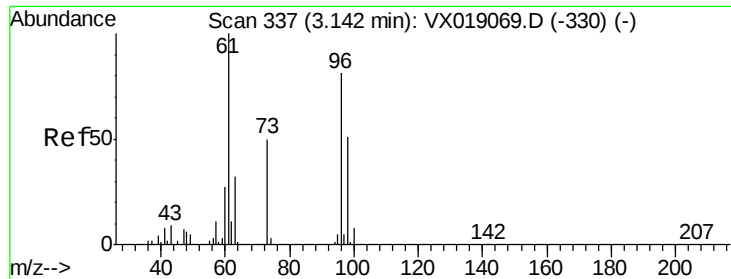
Delta R.T. -0.01 min

Lab File: VX019116.D

Acq: 26 Oct 2020 11:45

Tgt Ion:	84	Resp:	52937
Ion	Ratio	Lower	Upper
84	100		
49	100.7	80.9	121.3
51	30.4	23.8	35.6
86	63.3	50.6	75.8





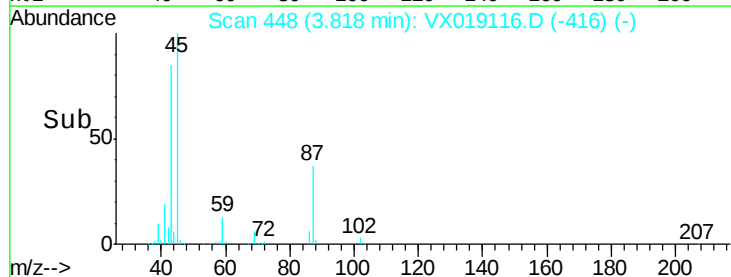
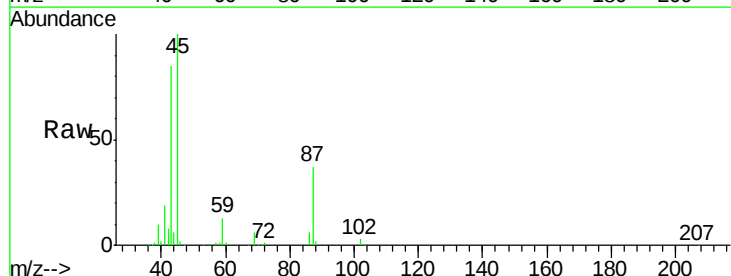
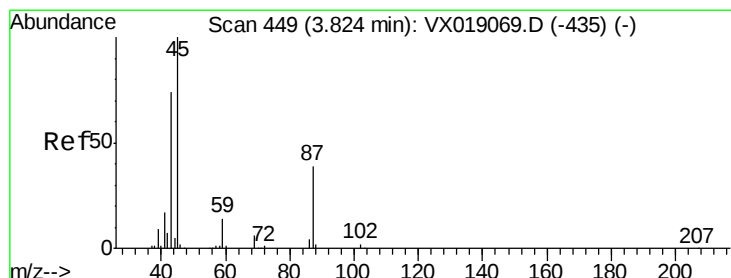
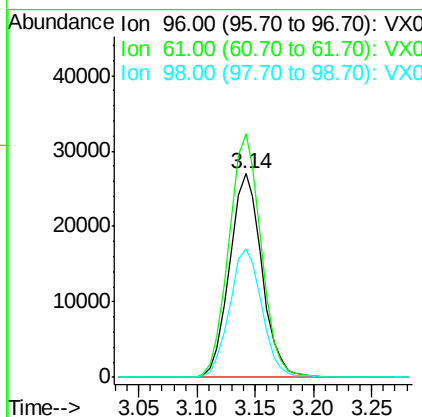
#19
trans-1,2-Dichloroethene
Concen: 19.406 ug/l
RT: 3.14 min Scan# 337
Delta R.T. 0.00 min
Lab File: VX019116.D
Acq: 26 Oct 2020 11:45

Tot Ion	Ratio	Lower	Upper
96	100		
61	119.6	98.4	147.6
98	63.1	49.9	74.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

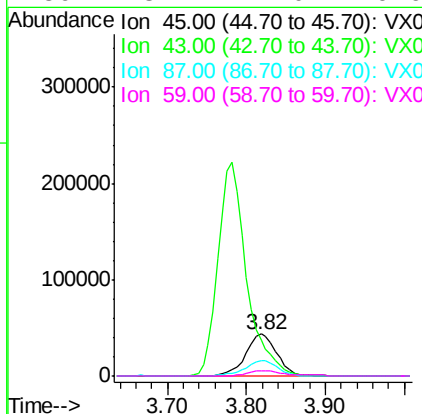
Manual Integrations
APPROVED

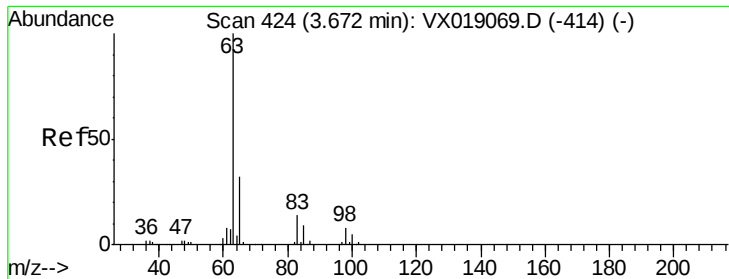
MMDadoda
10/27/2020 6:55:06 PM



#20
Diisopropyl ether
Concen: 20.501 ug/l
RT: 3.82 min Scan# 448
Delta R.T. -0.01 min
Lab File: VX019116.D
Acq: 26 Oct 2020 11:45

Tgt Ion	Ratio	Lower	Upper
45	100		
43	84.5	60.6	91.0
87	36.7	30.9	46.3
59	13.4	11.0	16.6





#21

1,1-Dichloroethane

Concen: 20.259 ug/l

RT: 3.67 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX019116.D

Acq: 26 Oct 2020 11:45

Instrument :

MSVOA_X

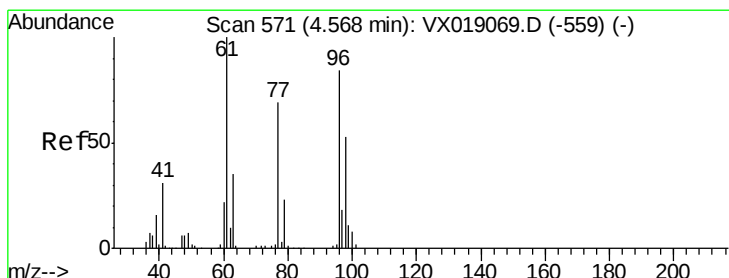
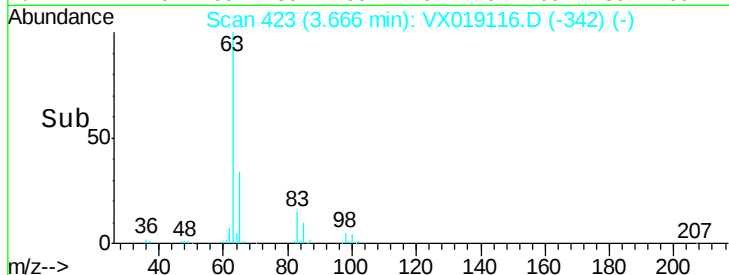
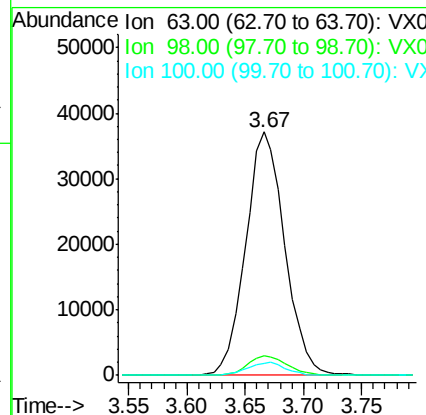
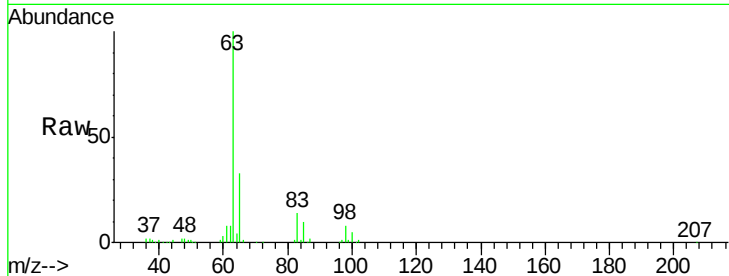
ClientSampleId :

VSTDCCC020

Tot Ion:	63	Resp:	86564
Ion	Ratio	Lower	Upper
63	100		
98	8.3	3.9	11.7
100	5.0	2.4	7.2

Manual Integrations
APPROVED

MMDadoda
10/27/2020 6:55:06 PM



#22

cis-1,2-Dichloroethene

Concen: 19.727 ug/l

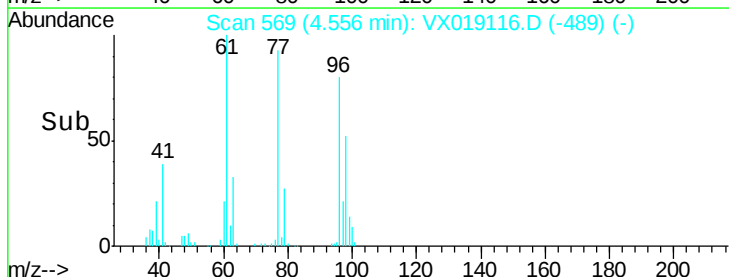
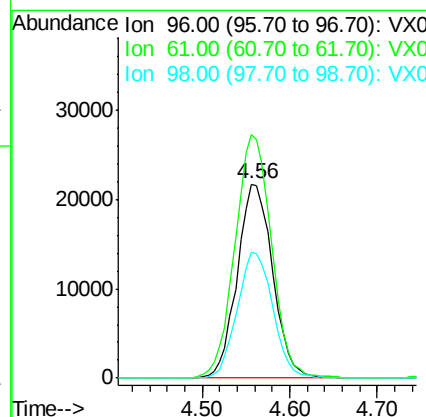
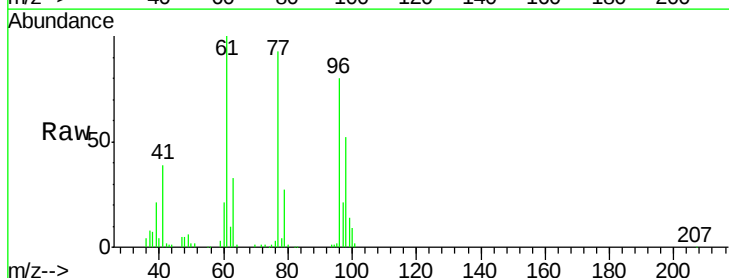
RT: 4.56 min Scan# 569

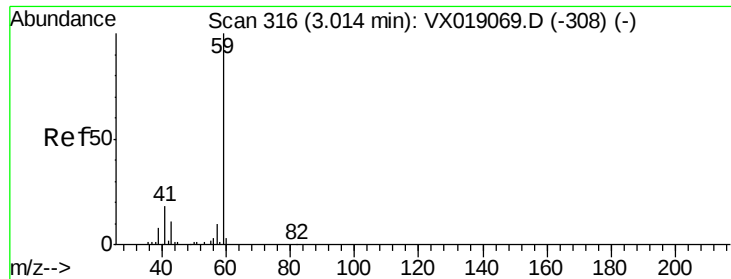
Delta R.T. -0.01 min

Lab File: VX019116.D

Acq: 26 Oct 2020 11:45

Tgt Ion:	96	Resp:	61379
Ion	Ratio	Lower	Upper
96	100		
61	129.0	101.9	152.9
98	65.1	51.3	76.9





#23

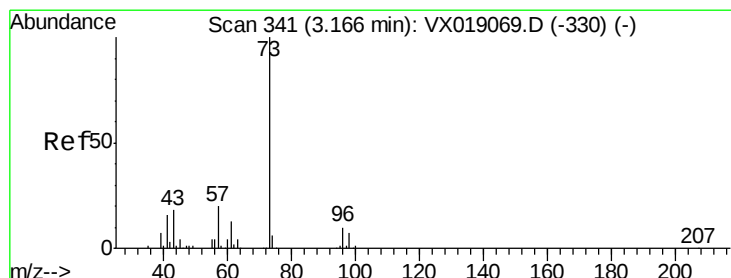
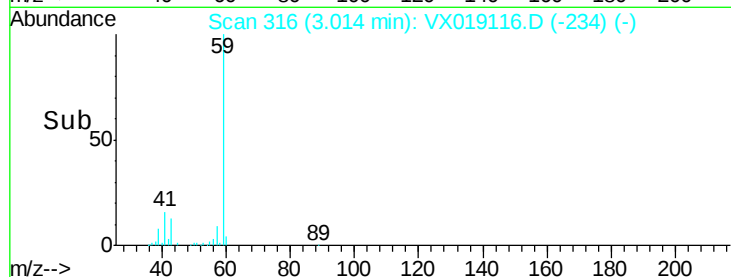
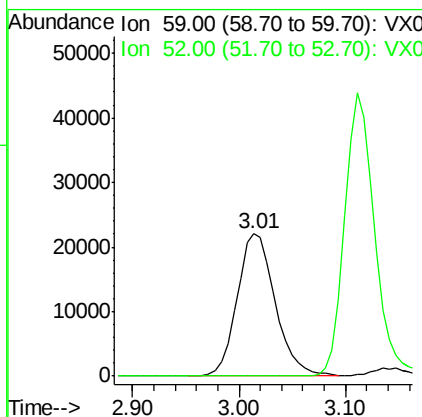
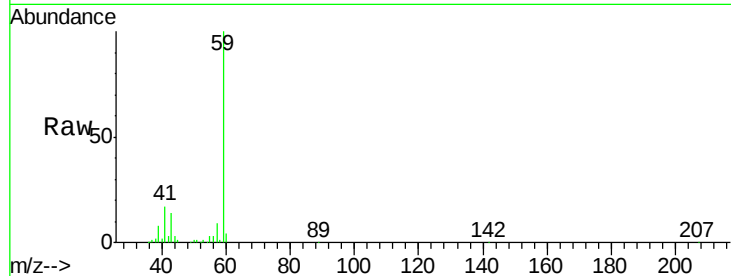
tert-Butyl Alcohol
Concen: 106.951 ug/l
RT: 3.01 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX019116.D
Acq: 26 Oct 2020 11:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion: 59 Resp: 55460
Ion Ratio Lower Upper
59 100
52 0.2 0.2 0.4#

Manual Integrations
APPROVED

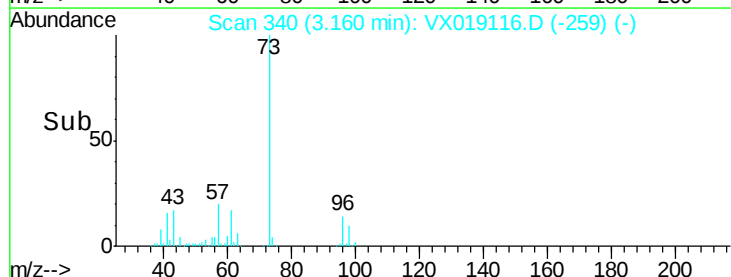
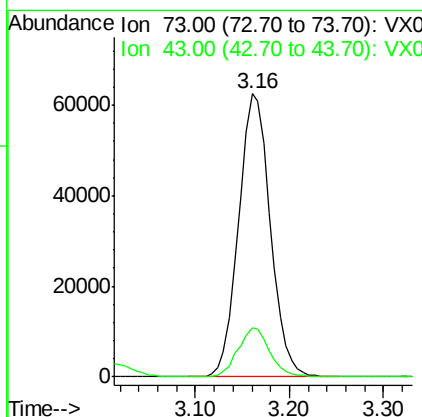
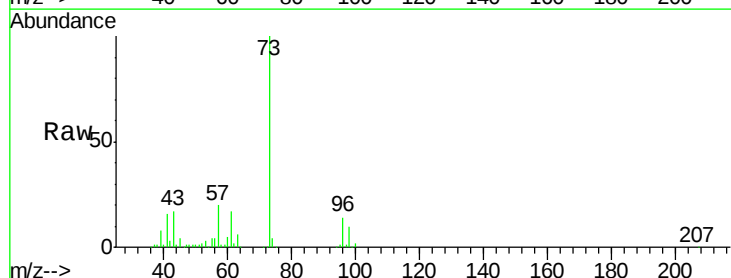
MMDadoda
10/27/2020 6:55:06 PM

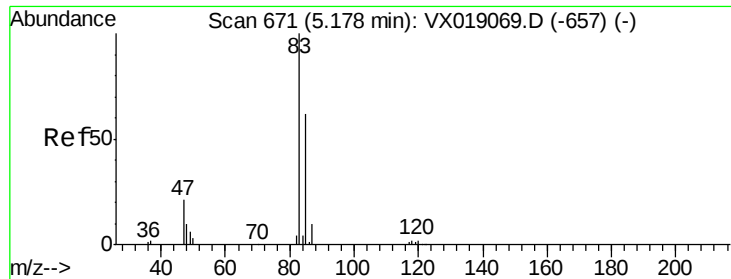


#24

Methyl tert-Butyl Ether
Concen: 20.275 ug/l
RT: 3.16 min Scan# 340
Delta R.T. -0.01 min
Lab File: VX019116.D
Acq: 26 Oct 2020 11:45

Tgt Ion: 73 Resp: 147445
Ion Ratio Lower Upper
73 100
43 17.1 13.9 20.9





#25

Chloroform

Concen: 20.210 ug/l

RT: 5.17 min Scan# 670

Delta R.T. -0.01 min

Lab File: VX019116.D

Acq: 26 Oct 2020 11:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 83 Resp: 95680

Ion Ratio Lower Upper

83 100

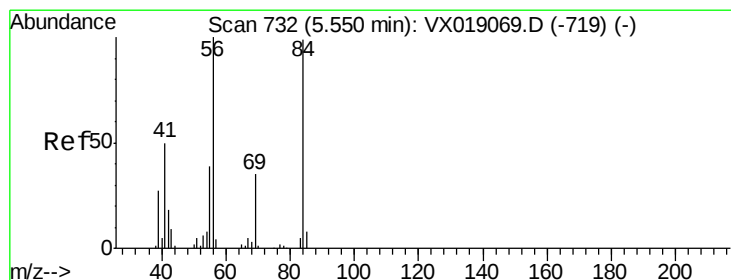
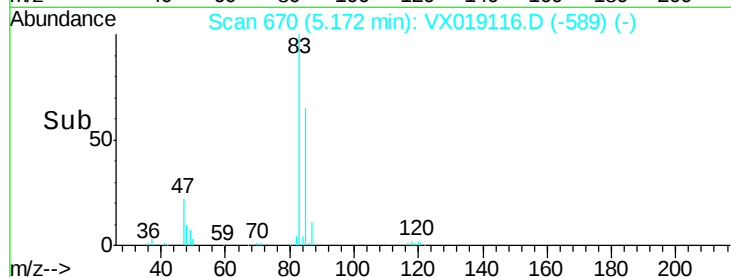
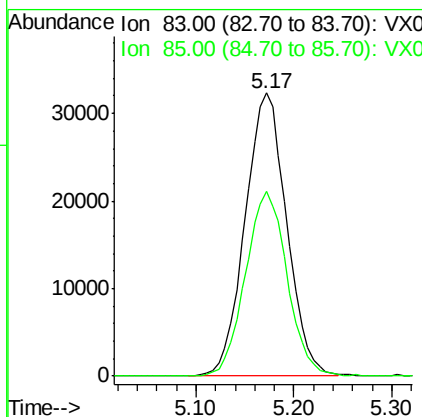
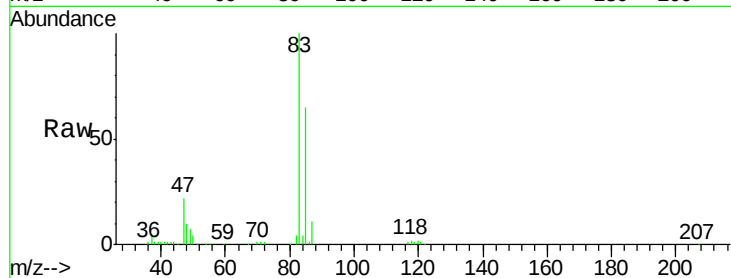
85 65.4 49.8 74.8

Manual Integrations

APPROVED

MMDadoda

10/27/2020 6:55:06 PM



#26

Cyclohexane

Concen: 19.041 ug/l

RT: 5.54 min Scan# 731

Delta R.T. -0.01 min

Lab File: VX019116.D

Acq: 26 Oct 2020 11:45

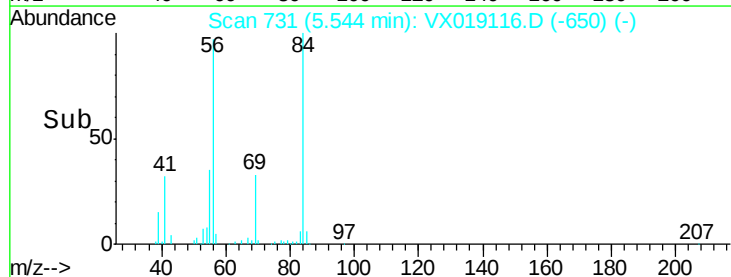
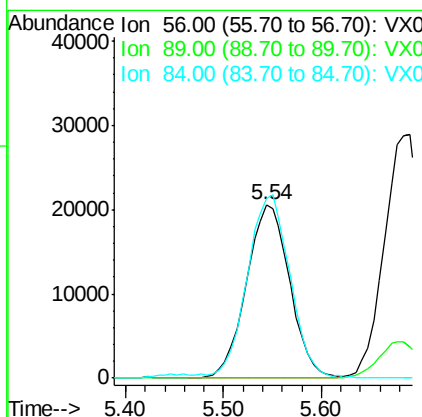
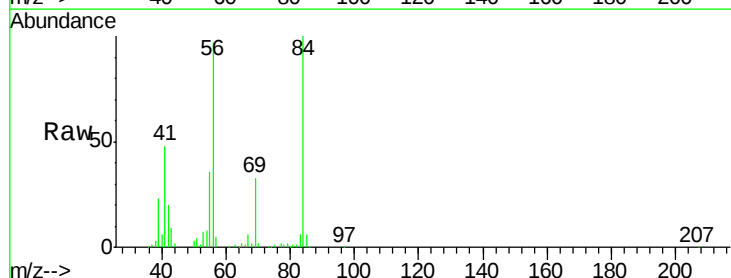
Tgt Ion: 56 Resp: 63222

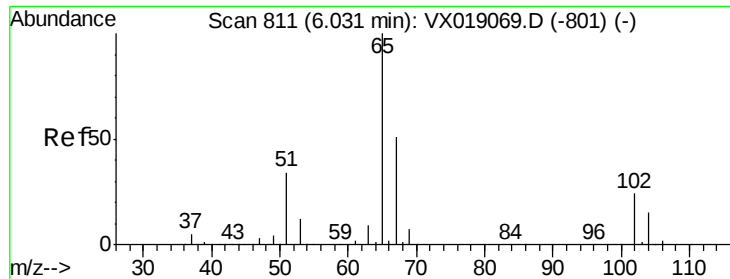
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 104.4 83.7 125.5





#27

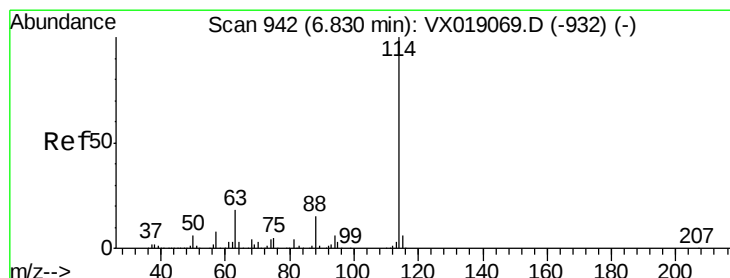
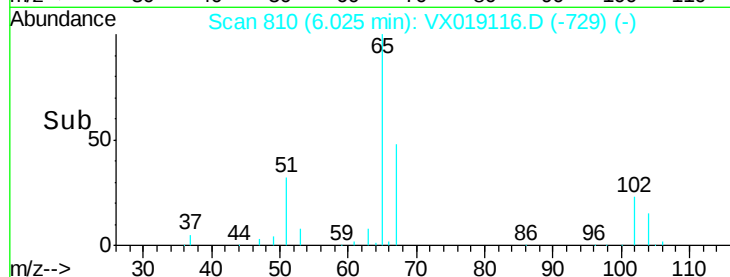
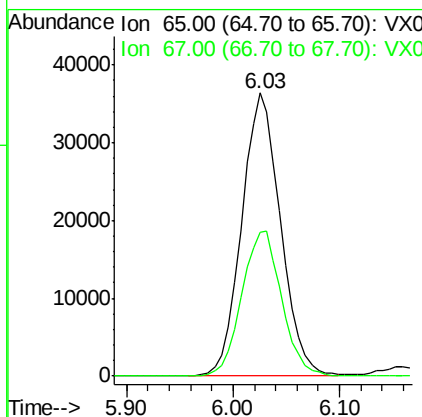
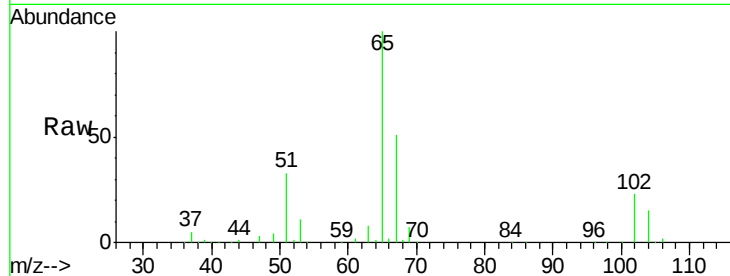
1,2-Dichloroethane-d4
Concen: 30.569 ug/l
RT: 6.03 min Scan# 810
Delta R.T. -0.01 min
Lab File: VX019116.D
Acq: 26 Oct 2020 11:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.8	42.0	63.0

Manual Integrations
APPROVED

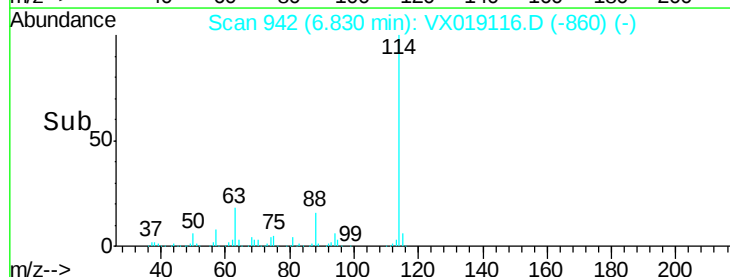
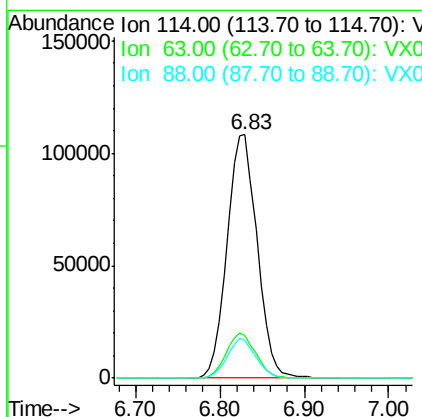
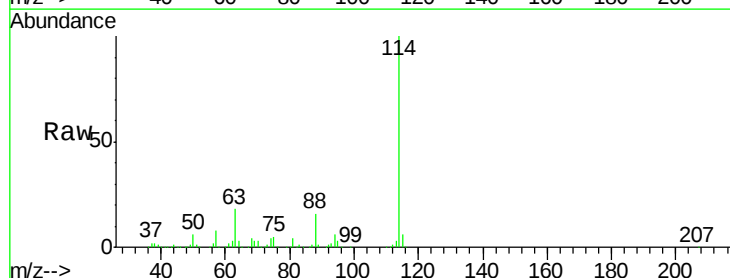
MMDadoda
10/27/2020 6:55:06 PM

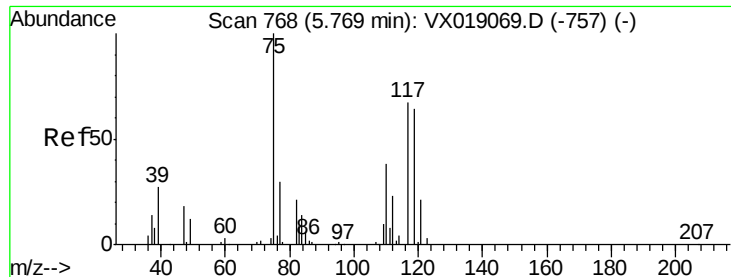


#28

1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.83 min Scan# 942
Delta R.T. 0.00 min
Lab File: VX019116.D
Acq: 26 Oct 2020 11:45

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.2	14.6	21.8
88	15.5	12.2	18.2





#29

1,1-Dichloropropene

Concen: 19.217 ug/l

RT: 5.76 min Scan# 767

Delta R.T. -0.01 min

Lab File: VX019116.D

Acq: 26 Oct 2020 11:45

Instrument :

MSVOA_X

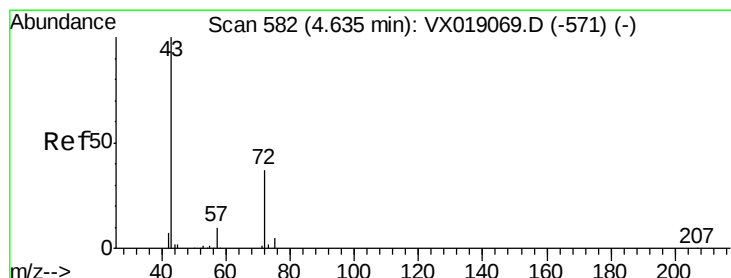
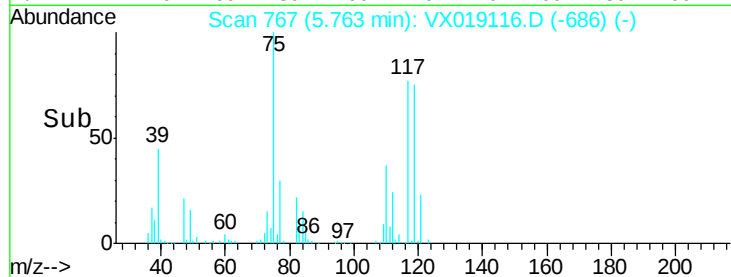
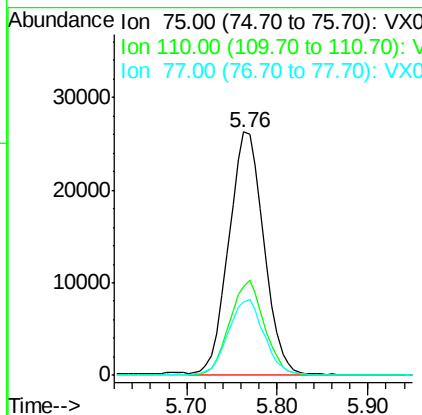
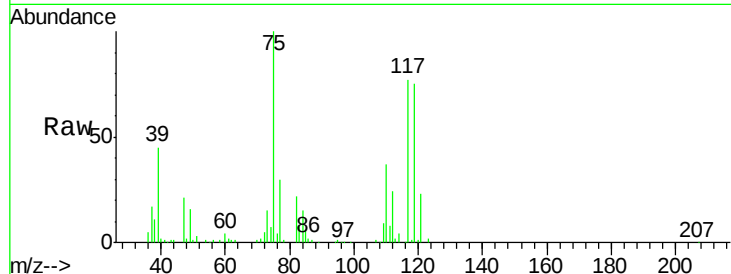
ClientSampleId :

VSTDCCC020

Tot Ion:	75	Resp:	71201
Ion Ratio	Lower	Upper	
75	100		
110	38.2	0.0	77.4
77	31.7	0.0	62.8

Manual Integrations
APPROVED

MMDadoda
10/27/2020 6:55:06 PM



#30

2-Butanone

Concen: 101.568 ug/l

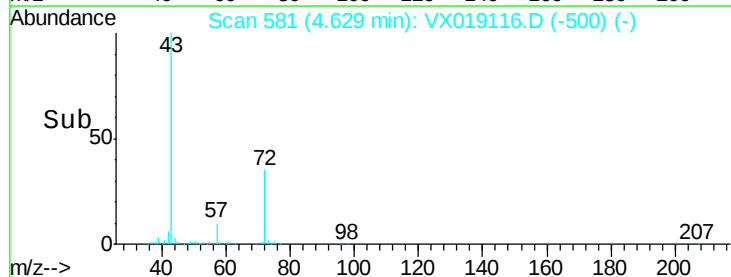
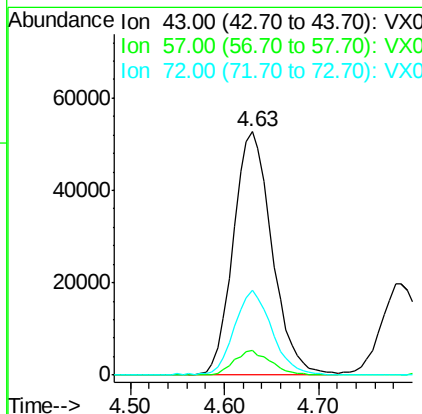
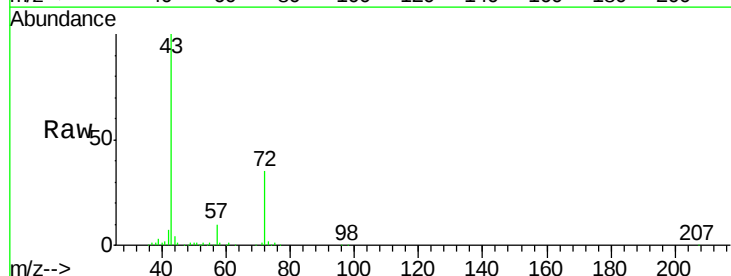
RT: 4.63 min Scan# 581

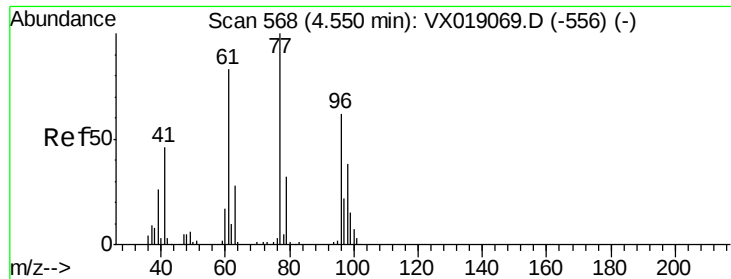
Delta R.T. -0.01 min

Lab File: VX019116.D

Acq: 26 Oct 2020 11:45

Tgt Ion:	43	Resp:	149921
Ion Ratio	Lower	Upper	
43	100		
57	9.9	7.8	11.6
72	34.2	28.1	42.1





#31

2,2-Dichloropropane

Concen: 20.081 ug/l

RT: 4.54 min Scan# 567

Delta R.T. -0.01 min

Lab File: VX019116.D

Acq: 26 Oct 2020 11:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 77 Resp: 85129

Ion Ratio Lower Upper

77 100

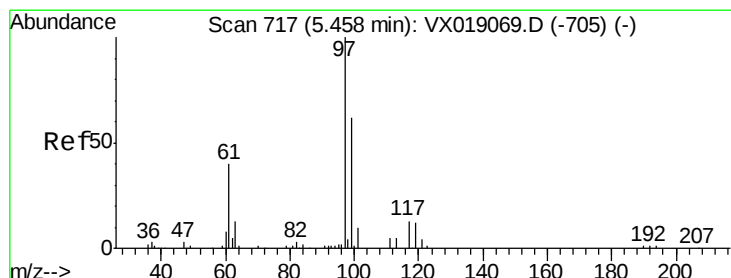
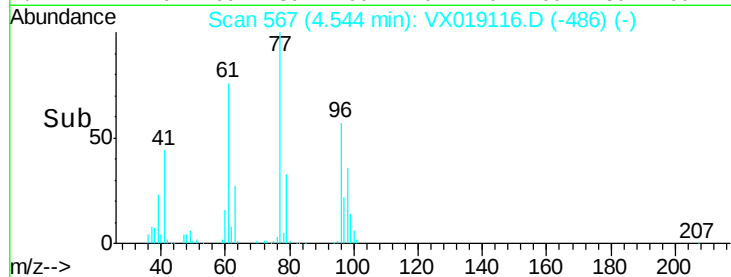
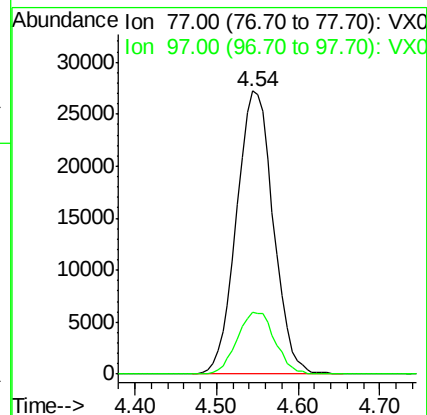
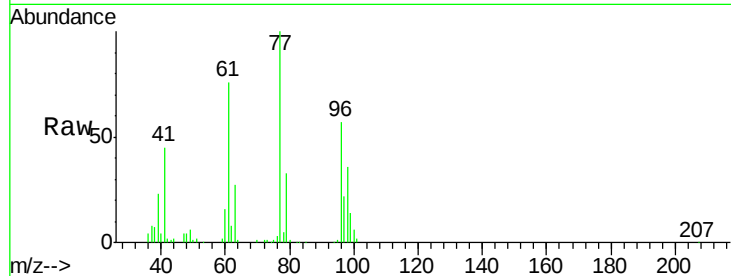
97 22.5 19.2 28.8

Manual Integrations

APPROVED

MMDadoda

10/27/2020 6:55:06 PM



#32

1,1,1-Trichloroethane

Concen: 19.355 ug/l

RT: 5.46 min Scan# 717

Delta R.T. 0.00 min

Lab File: VX019116.D

Acq: 26 Oct 2020 11:45

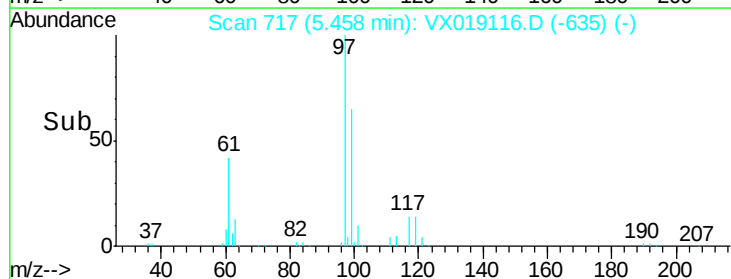
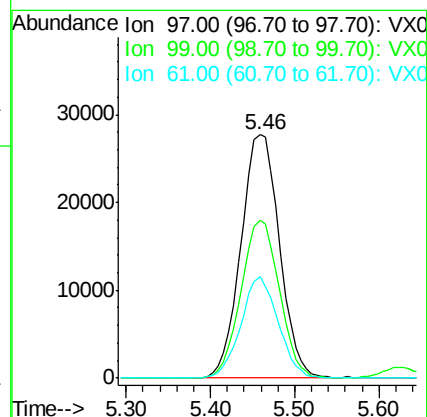
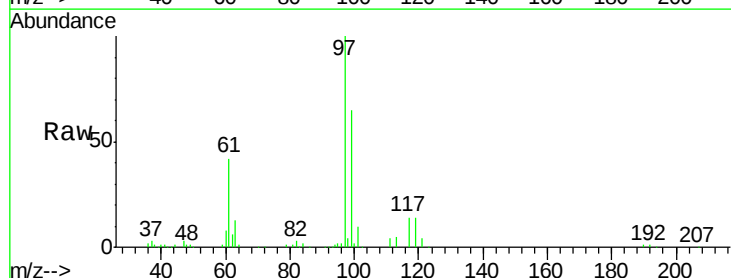
Tgt Ion: 97 Resp: 86194

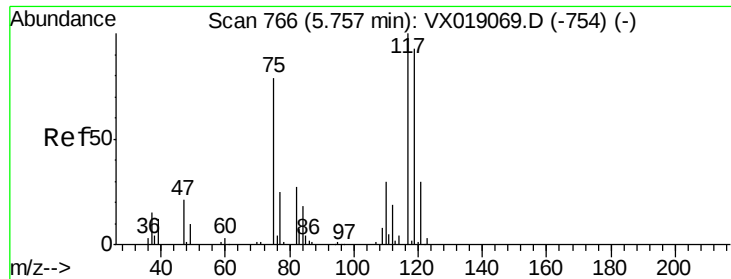
Ion Ratio Lower Upper

97 100

99 64.2 51.0 76.6

61 40.2 32.0 48.0





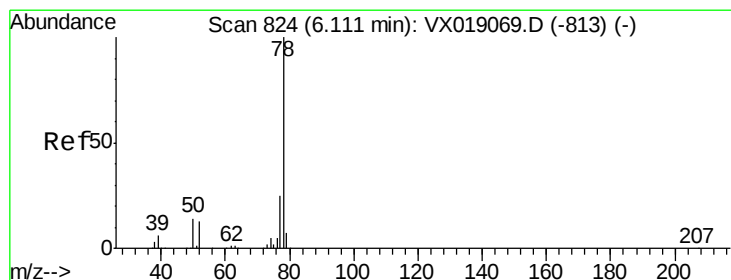
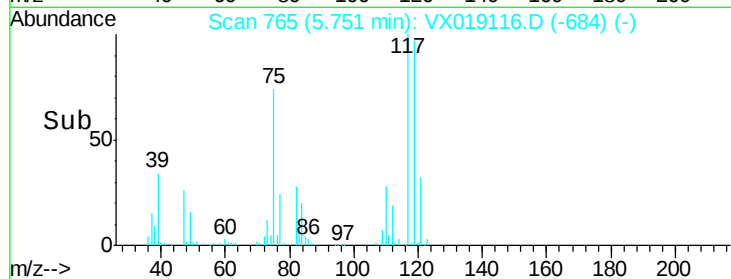
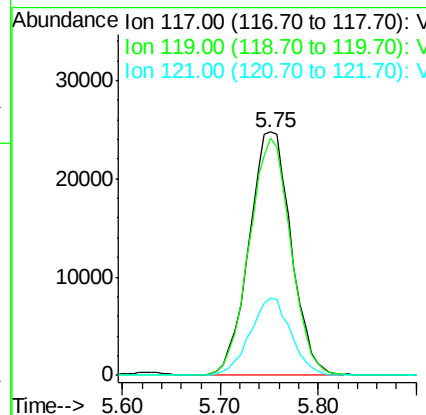
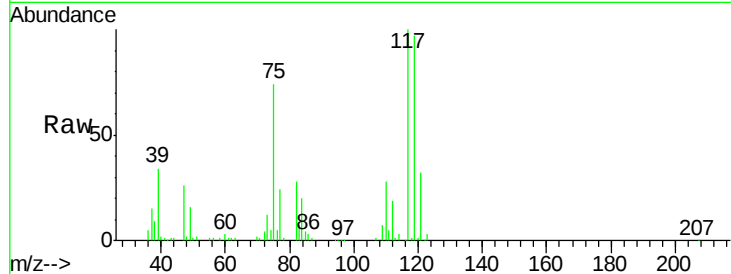
#33
Carbon Tetrachloride
Concen: 19.234 ug/l
RT: 5.75 min Scan# 765
Delta R.T. -0.01 min
Lab File: VX019116.D
Acq: 26 Oct 2020 11:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
117	100		
119	97.5	74.5	111.7
121	31.9	24.1	36.1

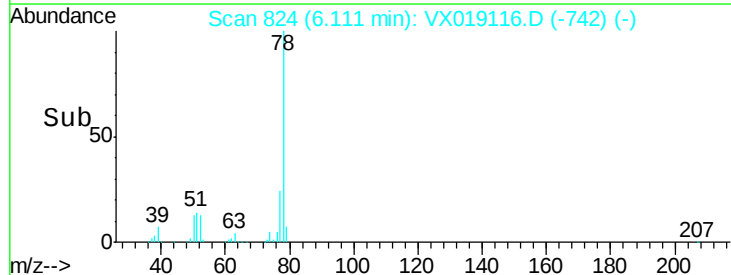
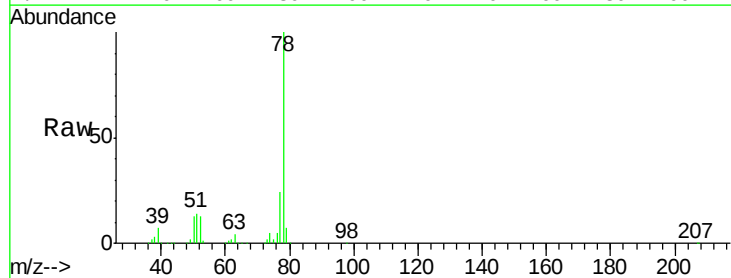
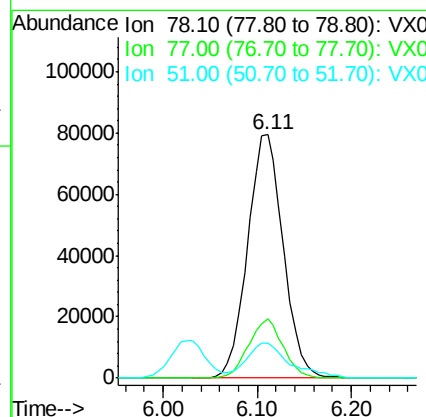
Manual Integrations
APPROVED

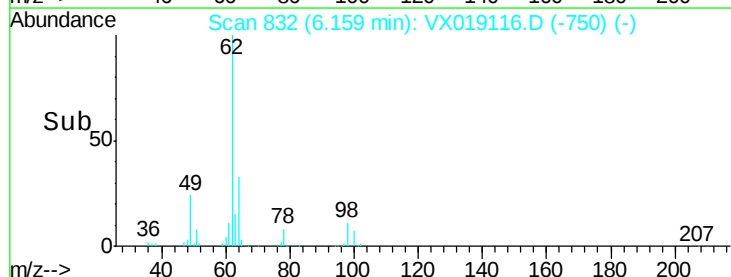
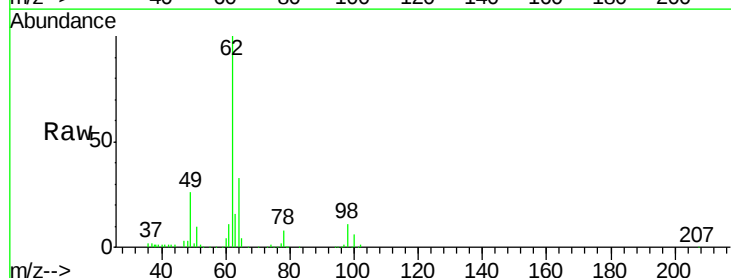
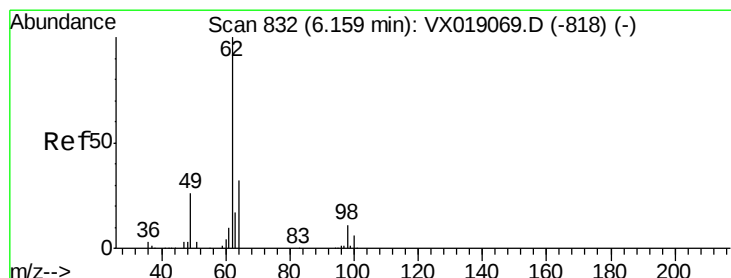
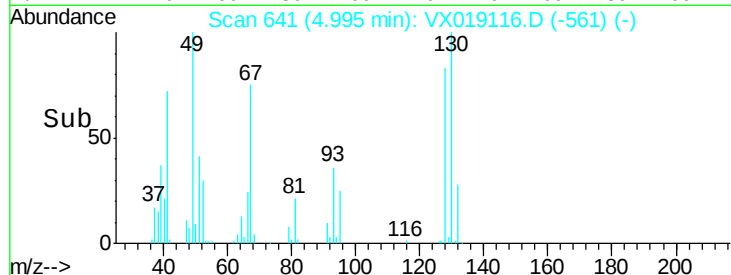
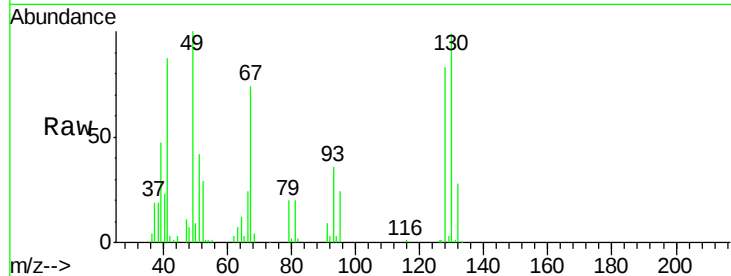
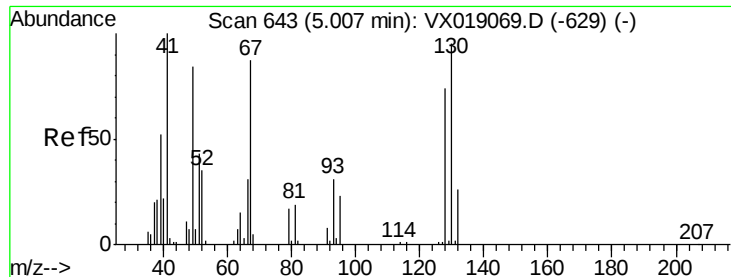
MMDadoda
10/27/2020 6:55:06 PM



#34
Benzene
Concen: 19.295 ug/l
RT: 6.11 min Scan# 824
Delta R.T. 0.00 min
Lab File: VX019116.D
Acq: 26 Oct 2020 11:45

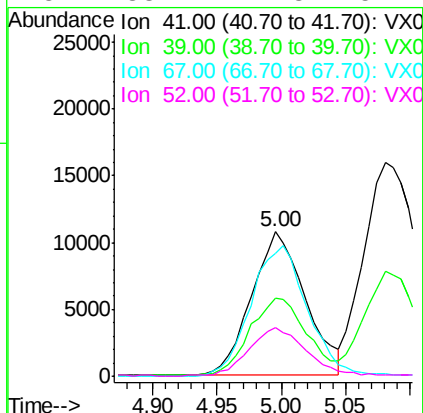
Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	20.1	30.1
51	13.8	11.0	16.4





#35
Methacrylonitrile
Concen: 19.536 ug/l
RT: 5.00 min Scan# 641
Delta R.T. -0.01 min
Lab File: VX019116.D
Acq: 26 Oct 2020 11:45

Tot Ion	Ion	Ratio	Lower	Upper
31216	41	100		
	39	53.7	25.8	77.4
	67	86.0	43.6	130.8
	52	33.2	17.3	51.7



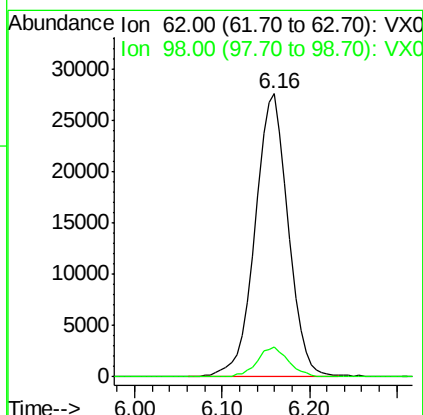
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

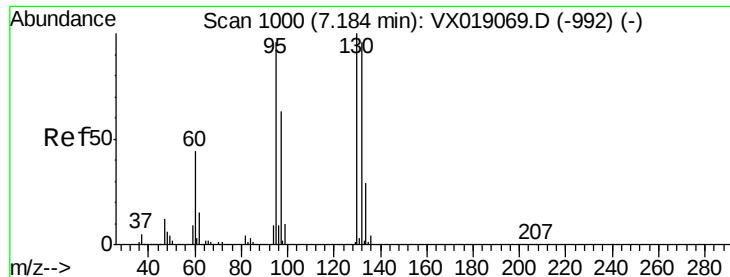
Manual Integrations
APPROVED

MMDadoda
10/27/2020 6:55:06 PM

#36
1,2-Dichloroethane
Concen: 19.404 ug/l
RT: 6.16 min Scan# 832
Delta R.T. 0.00 min
Lab File: VX019116.D
Acq: 26 Oct 2020 11:45

Tgt Ion	Ion	Ratio	Lower	Upper
72566	62	100		
	98	10.1	8.4	12.6





#37

Trichloroethene

Concen: 19.412 ug/l

RT: 7.18 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VX019116.D

Acq: 26 Oct 2020 11:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion:130 Resp: 60830

Ion Ratio Lower Upper

130 100

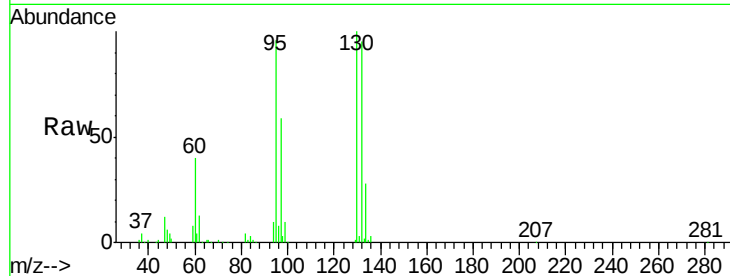
95 95.6 76.8 115.2

Manual Integrations

APPROVED

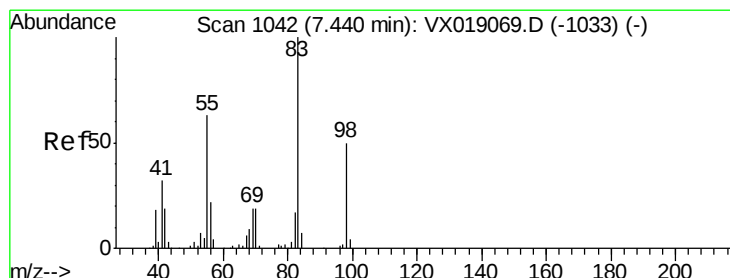
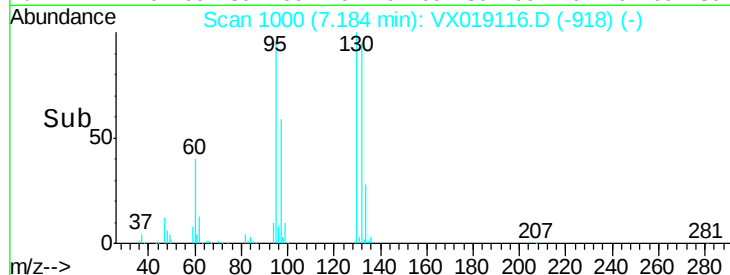
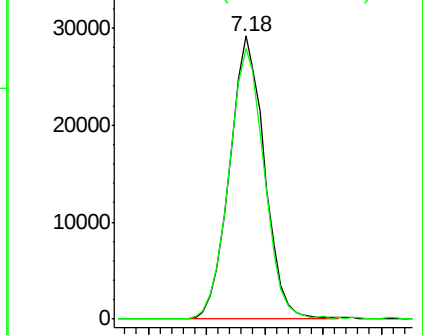
MMDadoda

10/27/2020 6:55:06 PM



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0



#38

Methylcyclohexane

Concen: 18.619 ug/l

RT: 7.43 min Scan# 1041

Delta R.T. -0.01 min

Lab File: VX019116.D

Acq: 26 Oct 2020 11:45

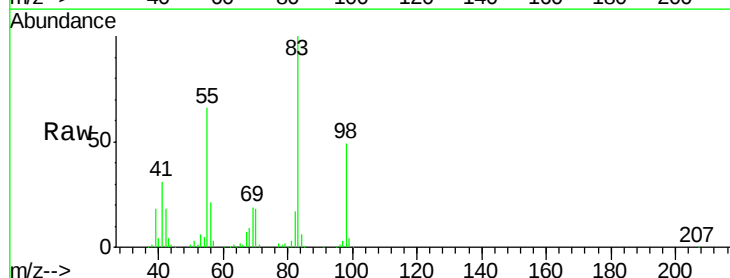
Tgt Ion: 83 Resp: 77326

Ion Ratio Lower Upper

83 100

55 67.4 32.3 96.8

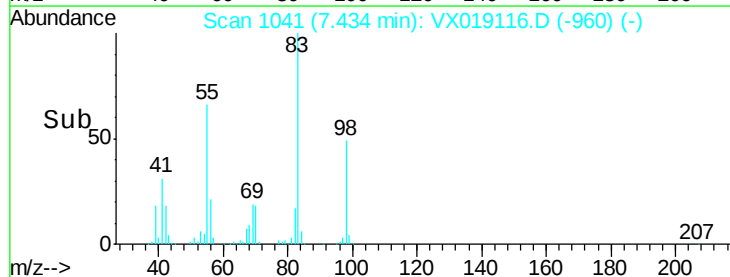
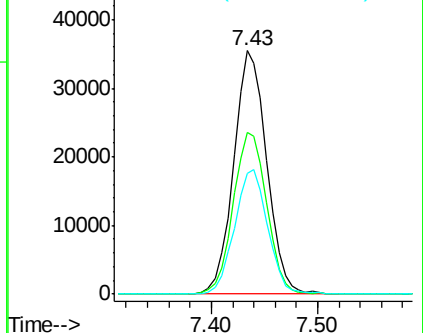
98 51.6 25.7 77.1

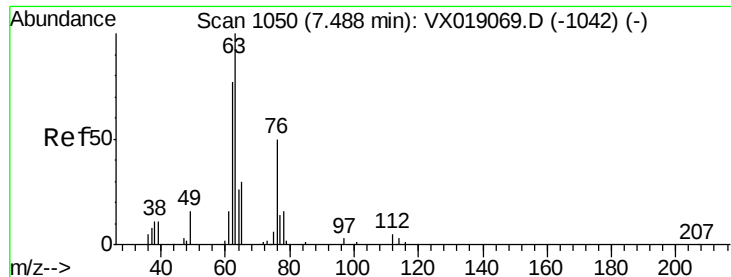


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#39

1,2-Dichloropropane

Concen: 20.227 ug/l

RT: 7.49 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VX019116.D

Acq: 26 Oct 2020 11:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 63 Resp: 51188

Ion Ratio Lower Upper

63 100

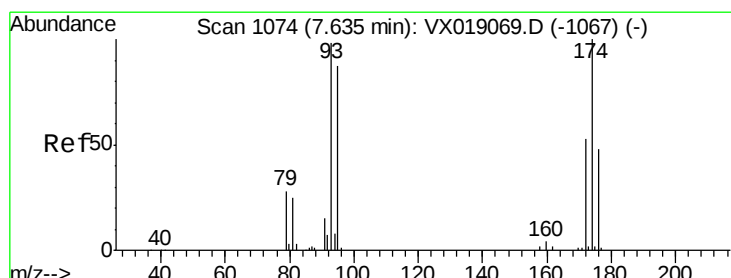
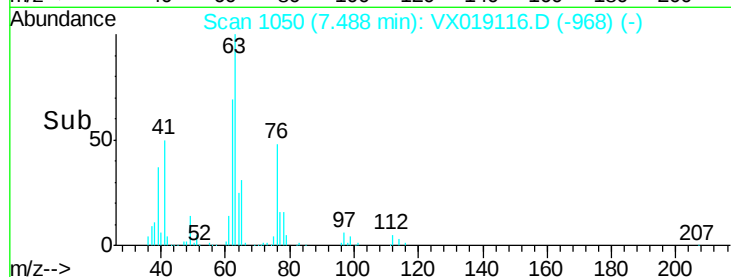
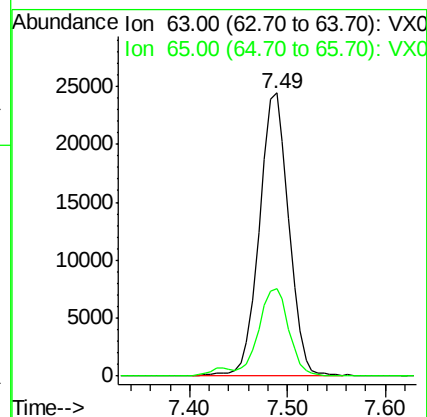
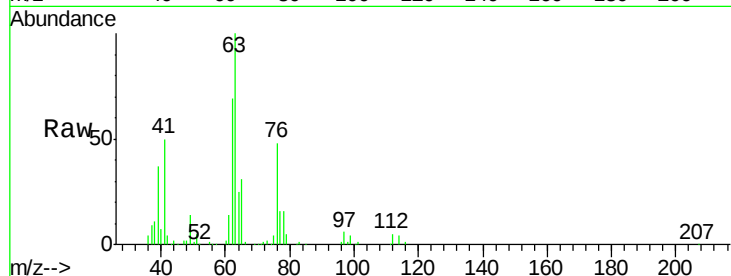
65 31.1 25.8 38.8

Manual Integrations

APPROVED

MMDadoda

10/27/2020 6:55:06 PM



#40

Dibromomethane

Concen: 19.369 ug/l

RT: 7.63 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VX019116.D

Acq: 26 Oct 2020 11:45

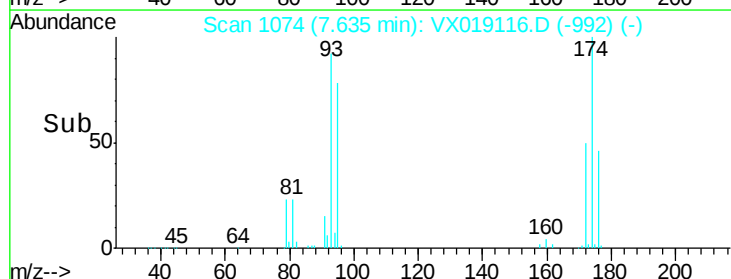
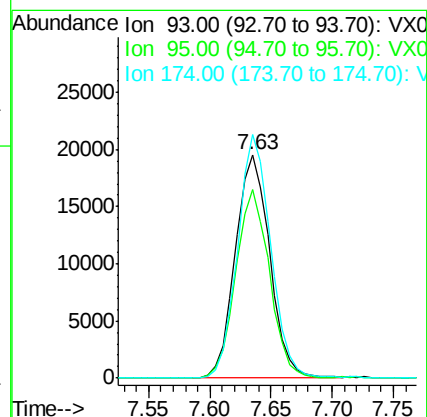
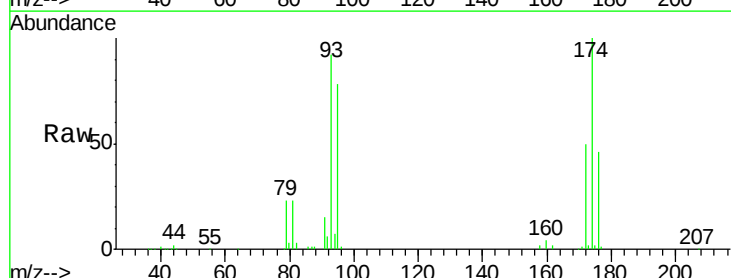
Tgt Ion: 93 Resp: 38041

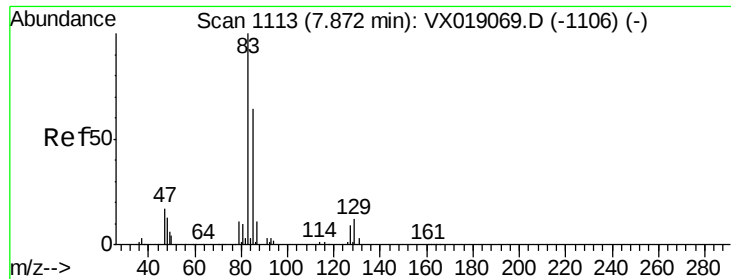
Ion Ratio Lower Upper

93 100

95 82.8 0.0 169.0

174 105.0 0.0 205.4





#41

Bromodichloromethane

Concen: 19.216 ug/l

RT: 7.87 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VX019116.D

Acq: 26 Oct 2020 11:45

Instrument :

MSVOA_X

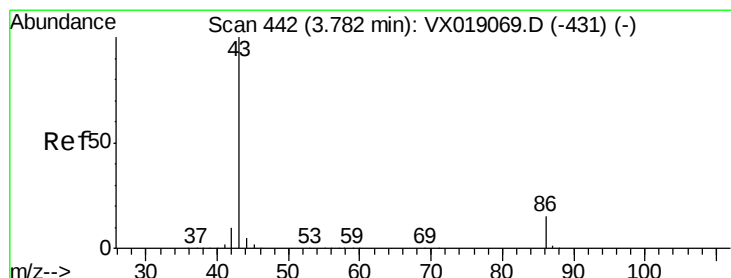
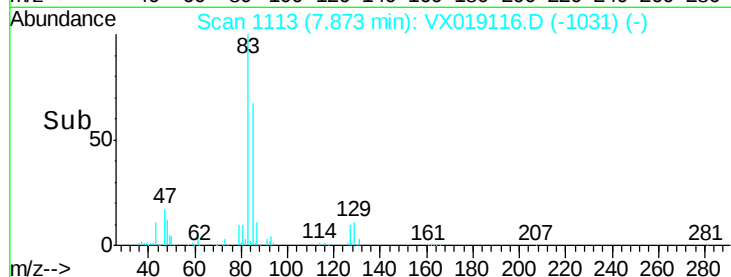
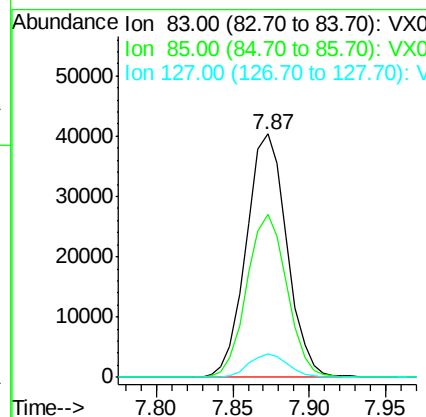
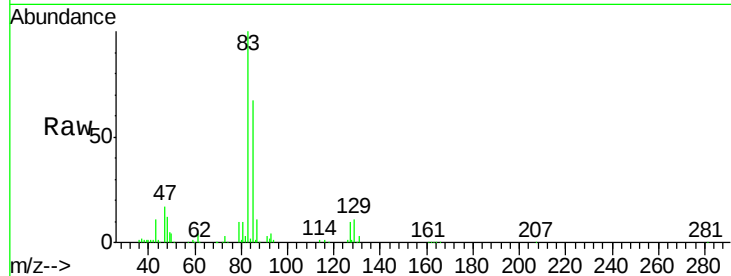
ClientSampleId :

VSTDCCC020

Tot Ion:	83	Resp:	74614
Ion	Ratio	Lower	Upper
83	100		
85	66.8	51.2	76.8
127	9.7	7.1	10.7

Manual Integrations
APPROVED

MMDadoda
10/27/2020 6:55:06 PM



#42

Vinyl Acetate

Concen: 97.867 ug/l

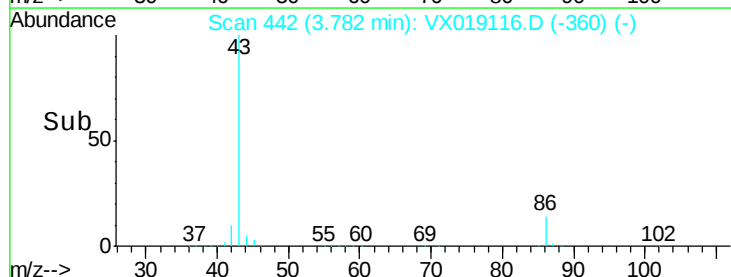
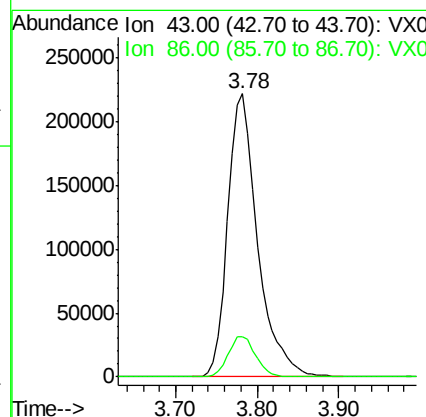
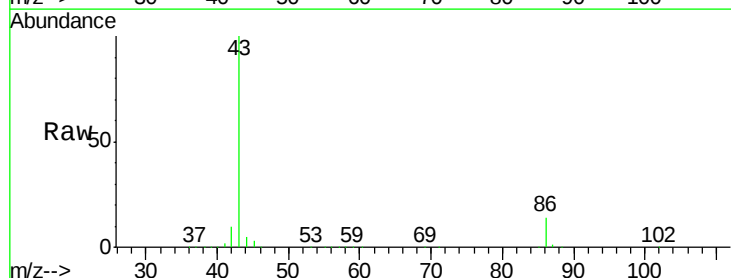
RT: 3.78 min Scan# 442

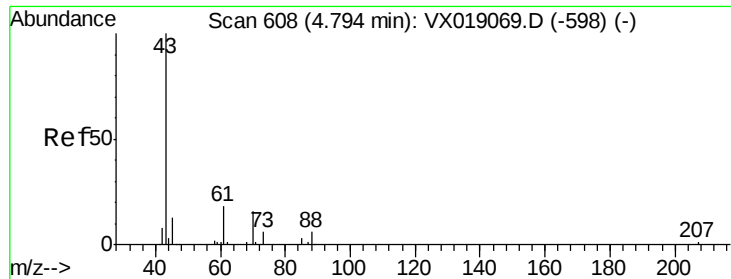
Delta R.T. 0.00 min

Lab File: VX019116.D

Acq: 26 Oct 2020 11:45

Tgt Ion:	43	Resp:	562084
Ion	Ratio	Lower	Upper
43	100		
86	13.2	10.6	15.8





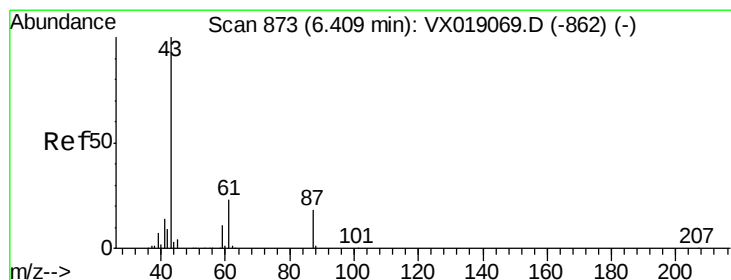
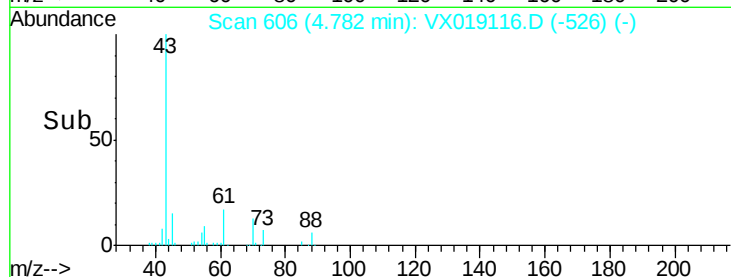
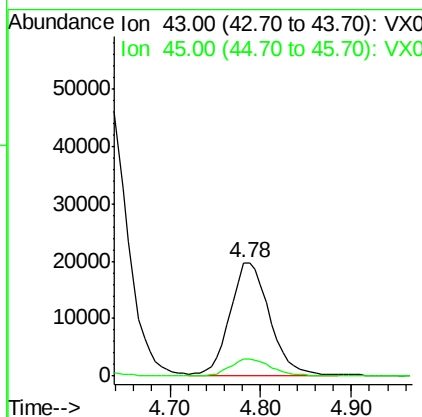
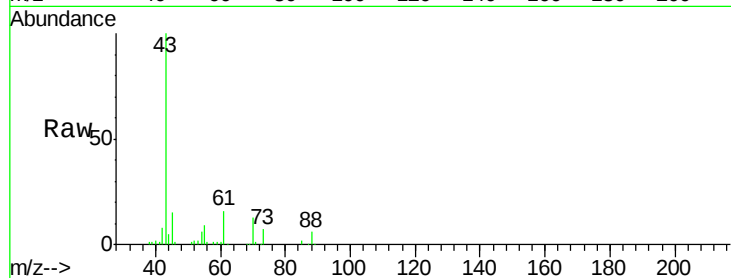
#43
Ethyl Acetate
Concen: 19.061 ug/l
RT: 4.78 min Scan# 606
Delta R.T. -0.01 min
Lab File: VX019116.D
Acq: 26 Oct 2020 11:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion: 43 Resp: 59023
Ion Ratio Lower Upper
43 100
45 15.9 12.7 19.1

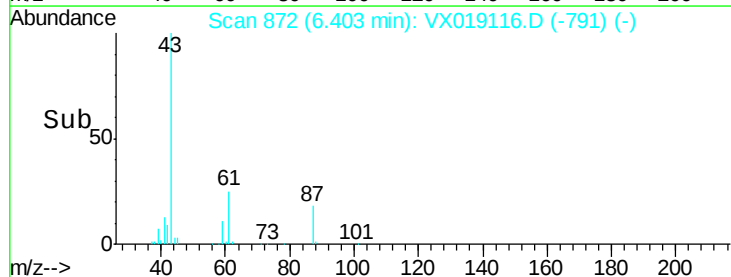
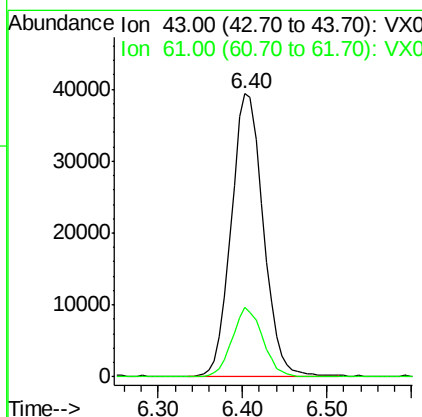
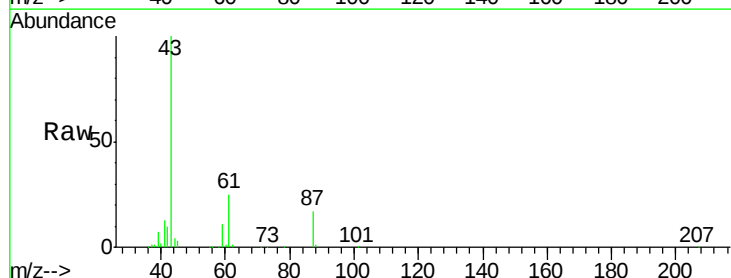
Manual Integrations
APPROVED

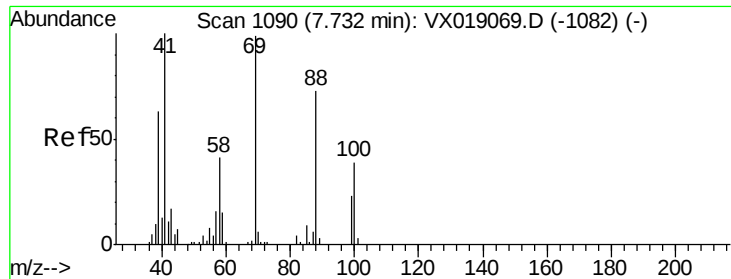
MMDadoda
10/27/2020 6:55:06 PM



#44
Isopropyl Acetate
Concen: 19.403 ug/l
RT: 6.40 min Scan# 872
Delta R.T. -0.01 min
Lab File: VX019116.D
Acq: 26 Oct 2020 11:45

Tgt Ion: 43 Resp: 100607
Ion Ratio Lower Upper
43 100
61 23.7 19.1 28.7





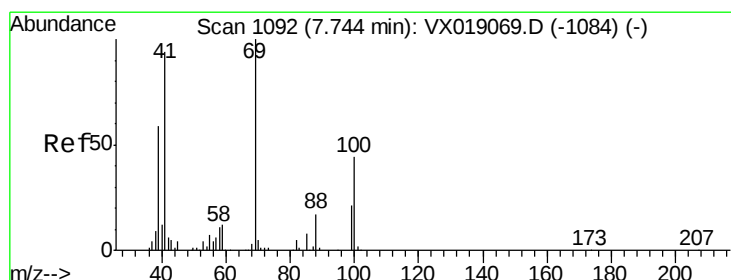
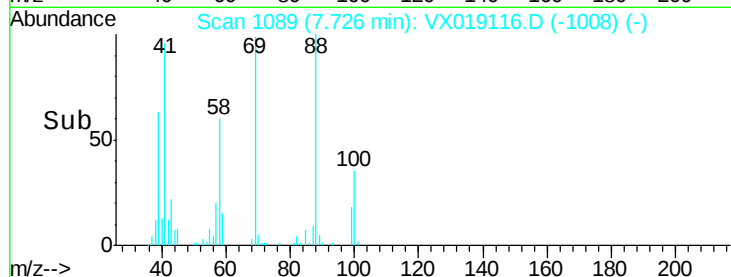
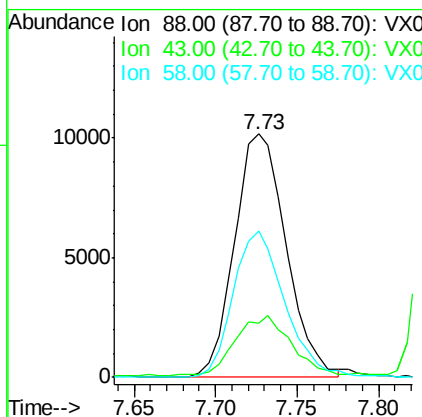
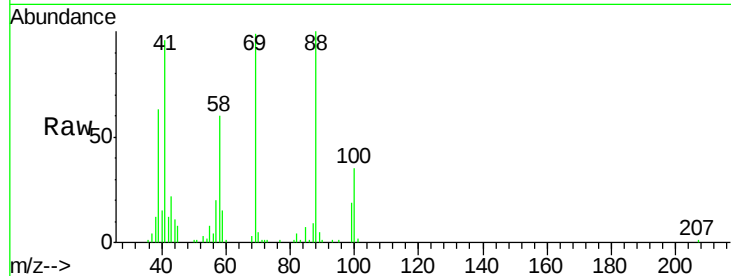
#45
1,4-Dioxane
Concen: 412.040 ug/l
RT: 7.73 min Scan# 1089
Delta R.T. -0.01 min
Lab File: VX019116.D
Acq: 26 Oct 2020 11:45

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	25.0	20.5	30.7
58	59.9	47.4	71.2

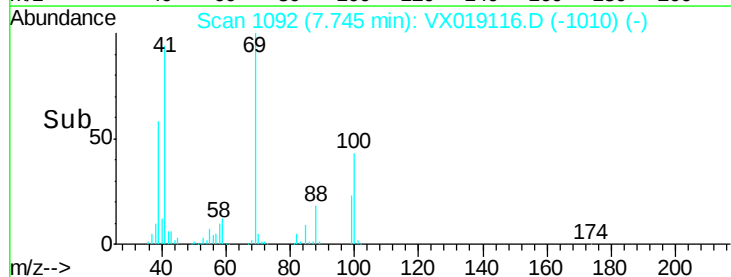
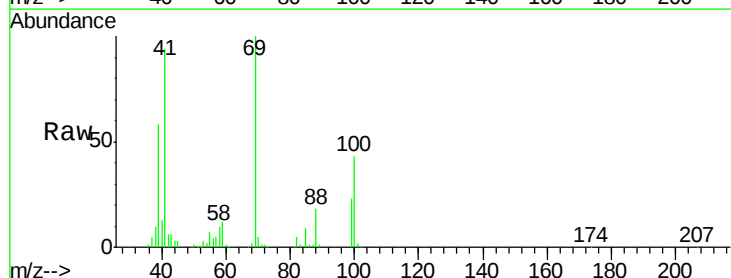
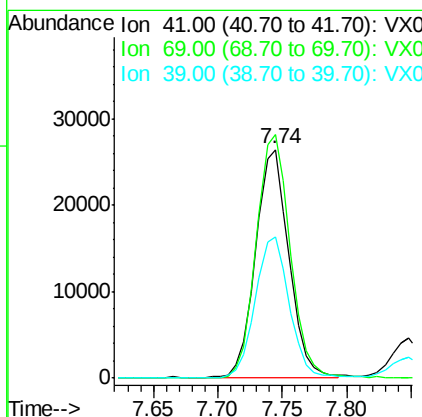
Manual Integrations
APPROVED

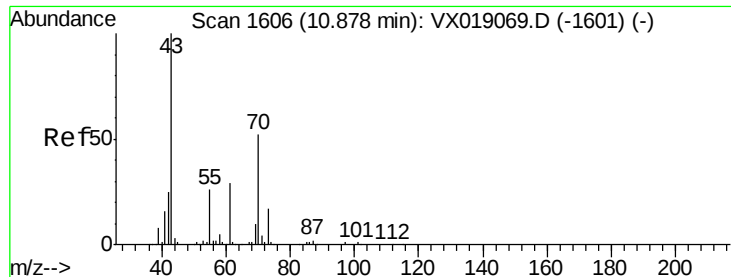
MMDadoda
10/27/2020 6:55:06 PM



#46
Methyl methacrylate
Concen: 19.248 ug/l
RT: 7.74 min Scan# 1092
Delta R.T. 0.00 min
Lab File: VX019116.D
Acq: 26 Oct 2020 11:45

Tgt Ion	Ratio	Lower	Upper
41	100		
69	106.7	53.1	159.4
39	61.6	31.3	93.9





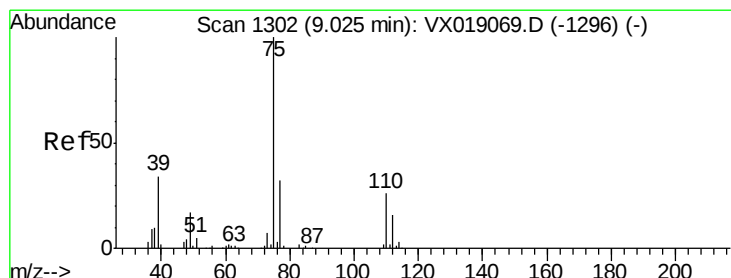
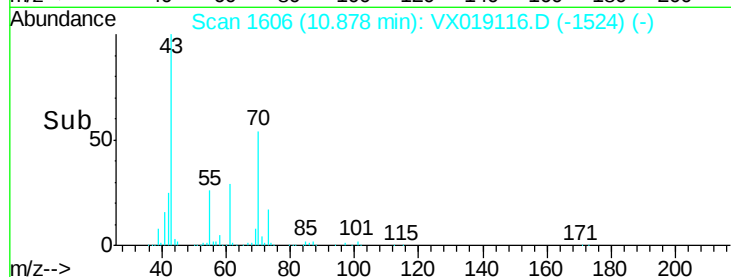
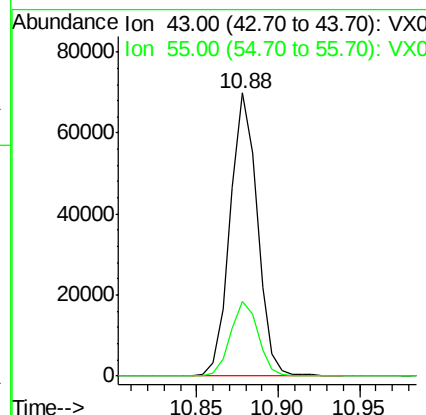
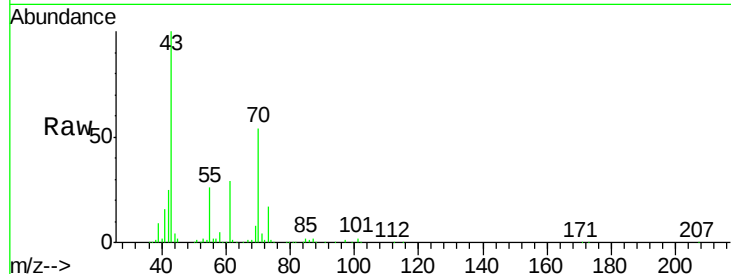
#47
n-amvl Acetate
Concen: 19.537 ug/l
RT: 10.88 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VX019116.D
Acq: 26 Oct 2020 11:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion: 43 Resp: 81260
Ion Ratio Lower Upper
43 100
55 26.8 21.5 32.3

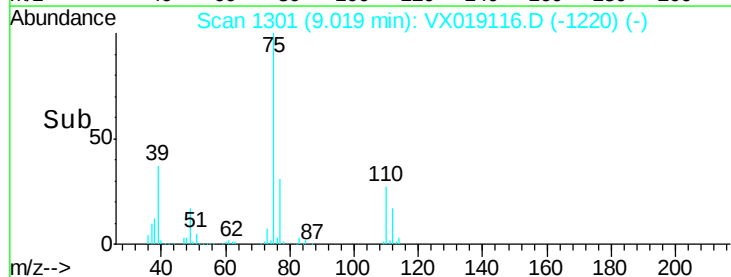
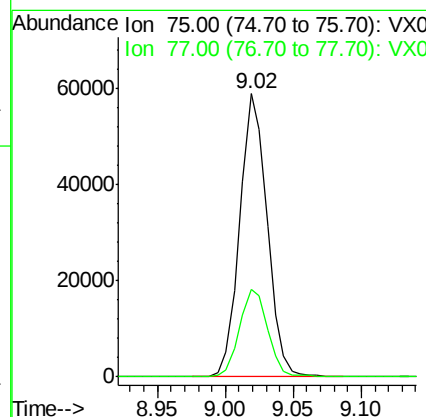
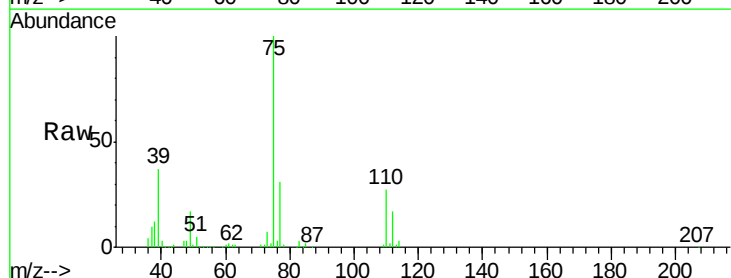
Manual Integrations
APPROVED

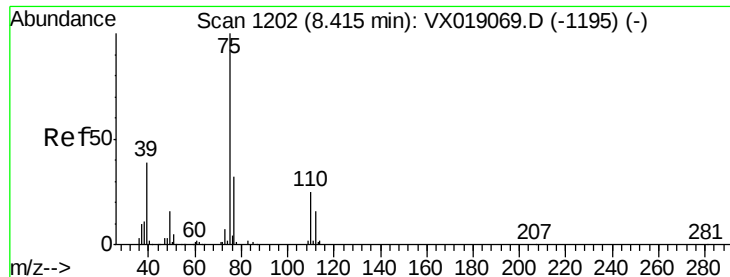
MMDadoda
10/27/2020 6:55:06 PM



#48
t-1,3-Dichloropropene
Concen: 19.087 ug/l
RT: 9.02 min Scan# 1301
Delta R.T. -0.01 min
Lab File: VX019116.D
Acq: 26 Oct 2020 11:45

Tgt Ion: 75 Resp: 82967
Ion Ratio Lower Upper
75 100
77 31.1 25.3 37.9





#49

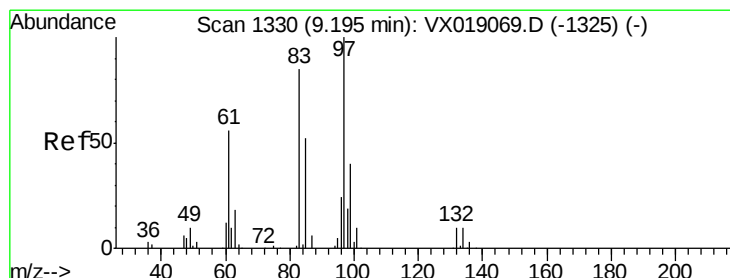
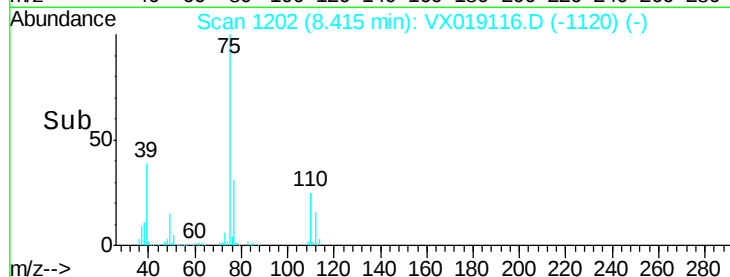
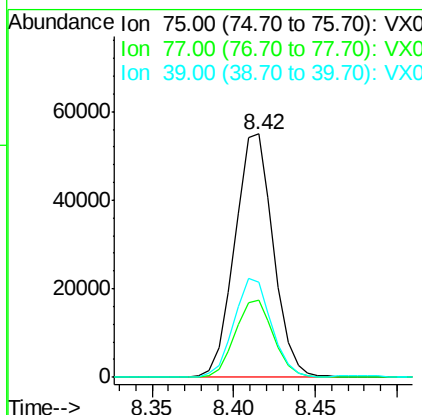
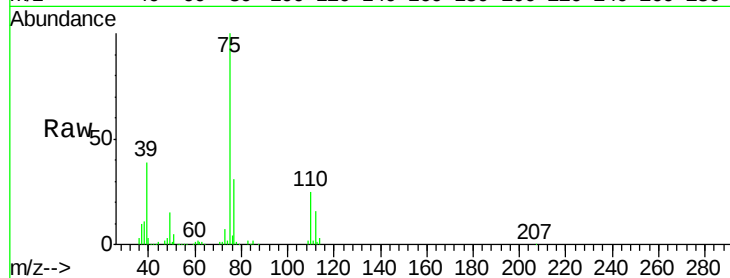
cis-1,3-Dichloropropene
 Concen: 19.587 ug/l
 RT: 8.42 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: VX019116.D
 Acq: 26 Oct 2020 11:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.8	38.8
39	39.1	31.0	46.6

Manual Integrations
 APPROVED

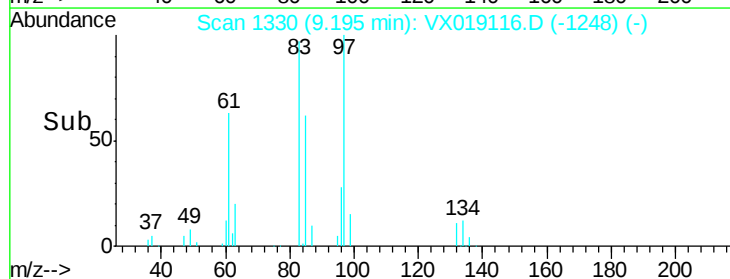
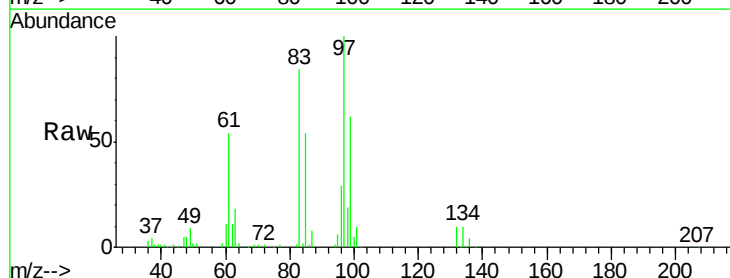
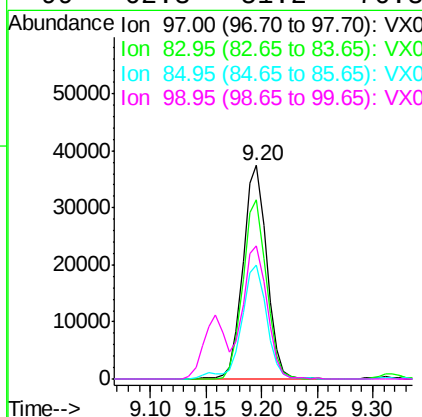
MMDadoda
 10/27/2020 6:55:06 PM

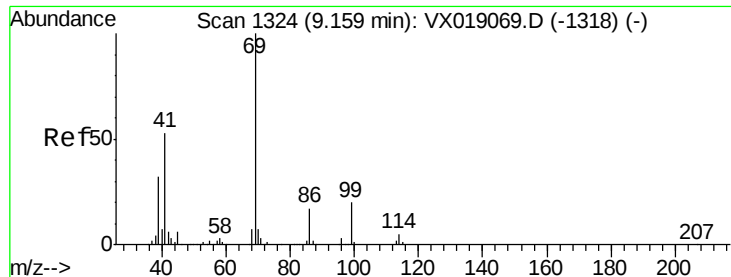


#50

1,1,2-Trichloroethane
 Concen: 19.584 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VX019116.D
 Acq: 26 Oct 2020 11:45

Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.1	67.8	101.6
85	53.5	43.5	65.3
99	62.3	51.2	76.8





#51

Ethyl methacrylate

Concen: 19.151 ug/l

RT: 9.16 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX019116.D

Acq: 26 Oct 2020 11:45

Instrument :

MSVOA_X

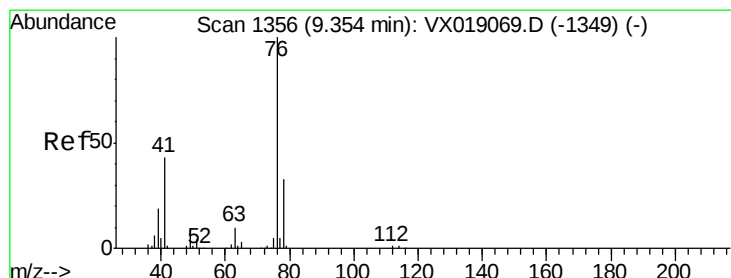
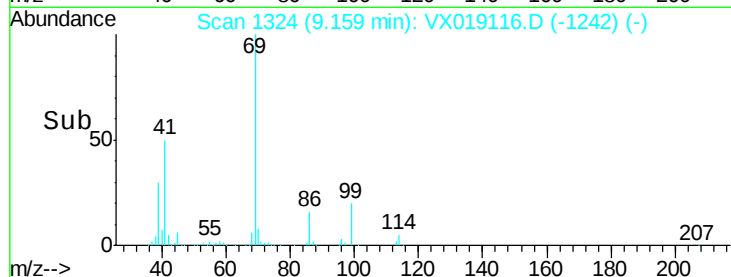
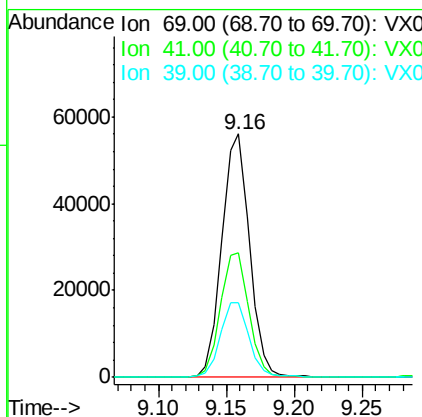
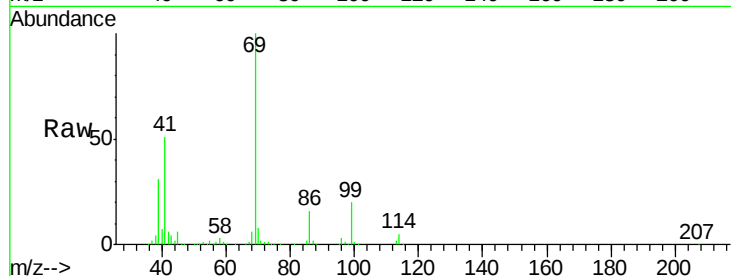
ClientSampleId :

VSTDCCC020

Tot Ion:	69	Resp:	79492
Ion Ratio	Lower	Upper	
69	100		
41	51.0	26.5	79.4
39	30.6	16.2	48.6

Manual Integrations
APPROVED

MMDadoda
10/27/2020 6:55:06 PM



#52

1,3-Dichloropropane

Concen: 19.625 ug/l

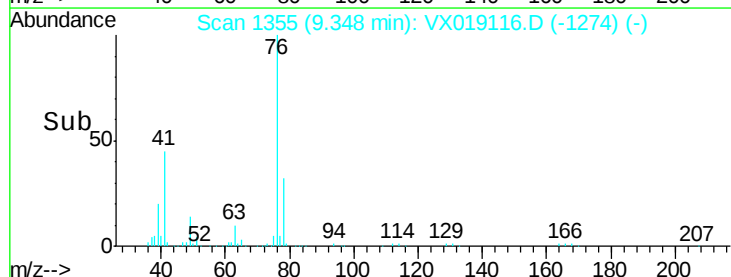
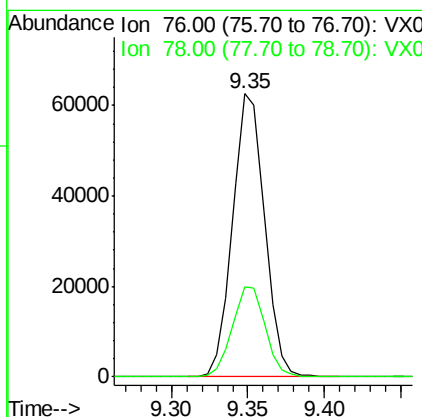
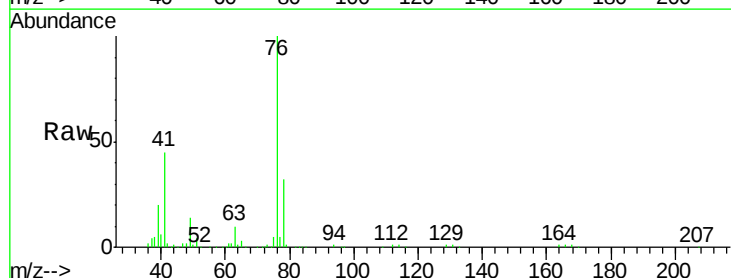
RT: 9.35 min Scan# 1355

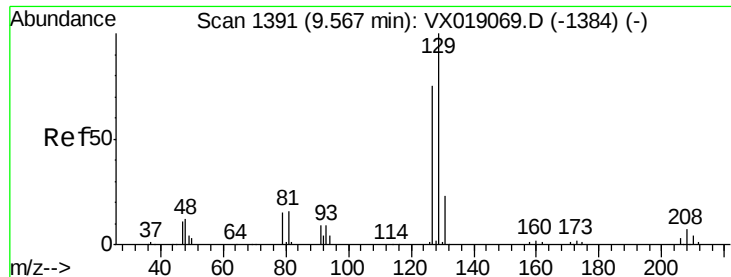
Delta R.T. -0.01 min

Lab File: VX019116.D

Acq: 26 Oct 2020 11:45

Tgt Ion:	76	Resp:	90946
Ion Ratio	Lower	Upper	
76	100		
78	32.7	0.0	65.2





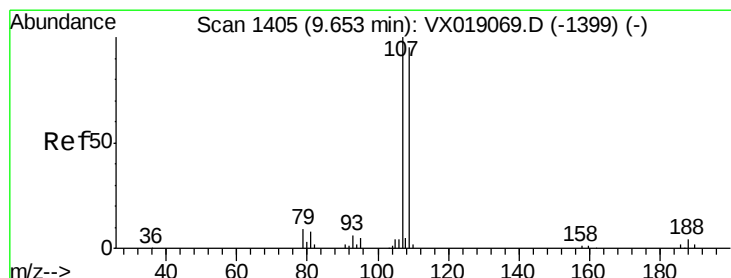
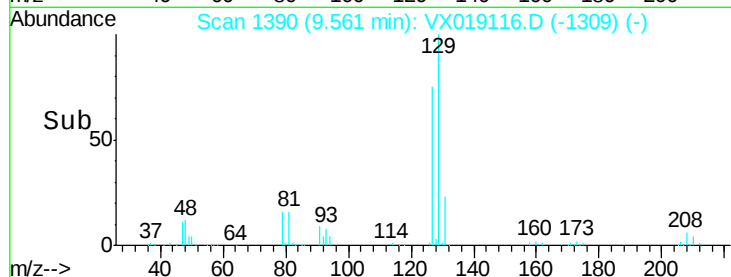
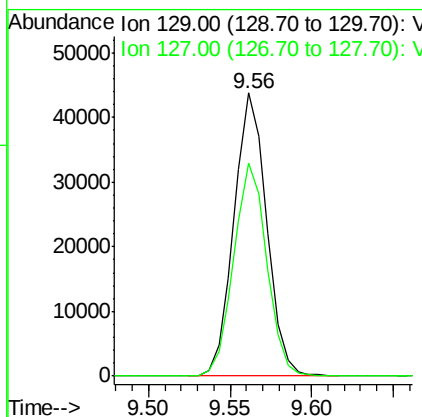
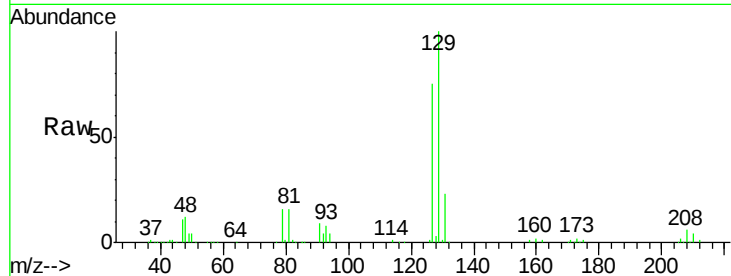
#53
Dibromochloromethane
Concen: 19.363 ug/l
RT: 9.56 min Scan# 1390
Delta R.T. -0.01 min
Lab File: VX019116.D
Acq: 26 Oct 2020 11:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion:129 Resp: 61317
Ion Ratio Lower Upper
129 100
127 75.7 38.4 115.1

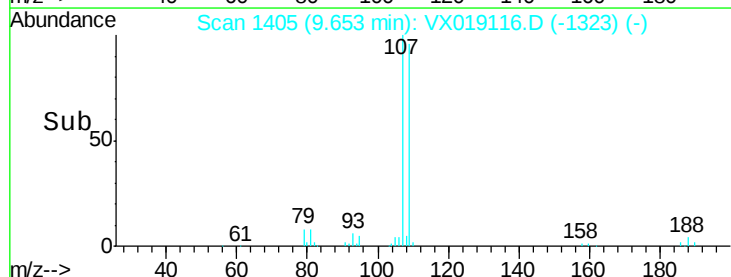
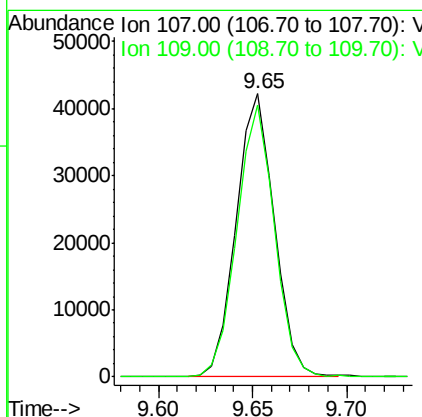
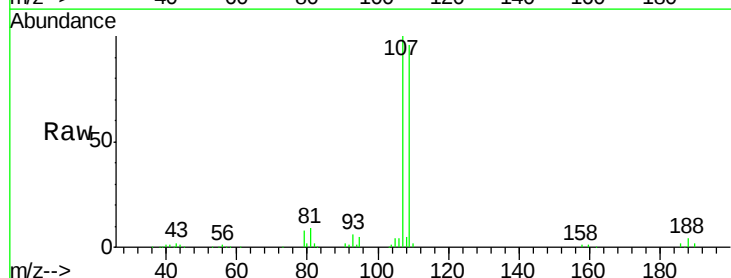
Manual Integrations
APPROVED

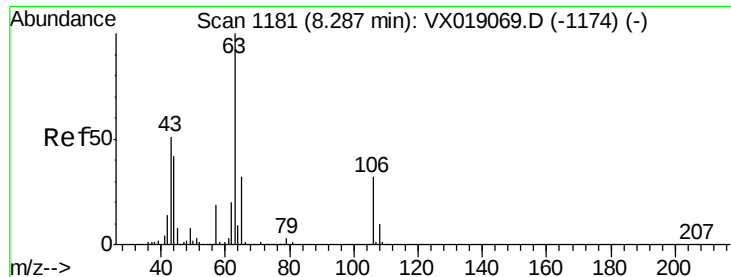
MMDadoda
10/27/2020 6:55:06 PM



#54
1,2-Dibromoethane
Concen: 19.156 ug/l
RT: 9.65 min Scan# 1405
Delta R.T. 0.00 min
Lab File: VX019116.D
Acq: 26 Oct 2020 11:45

Tgt Ion:107 Resp: 59214
Ion Ratio Lower Upper
107 100
109 94.3 74.6 112.0





#55

2-Chloroethyl vinyl ether

Concen: 88.375 ug/l

RT: 8.29 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VX019116.D

Acq: 26 Oct 2020 11:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 63 Resp: 196037
Ion Ratio Lower Upper

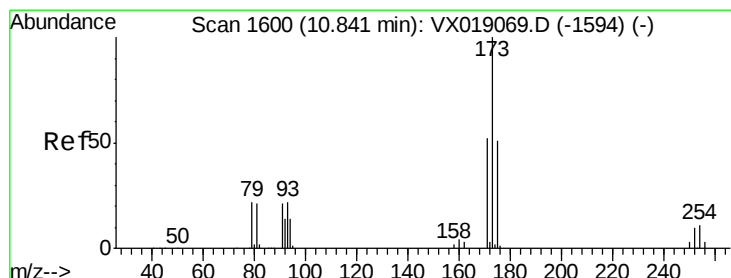
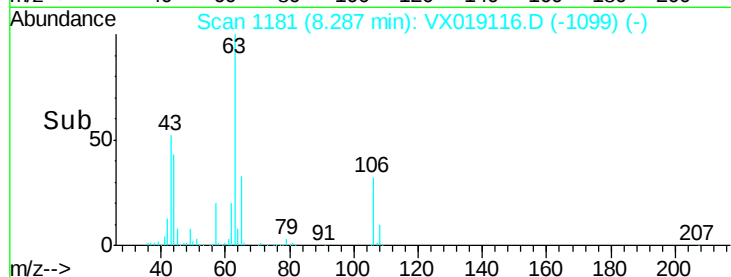
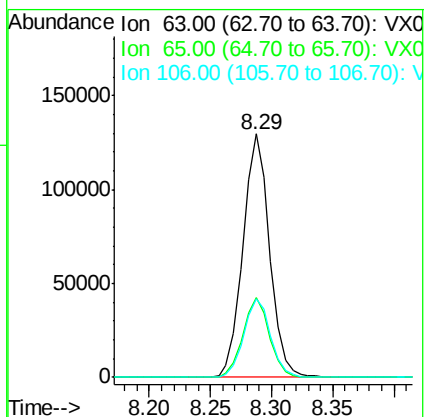
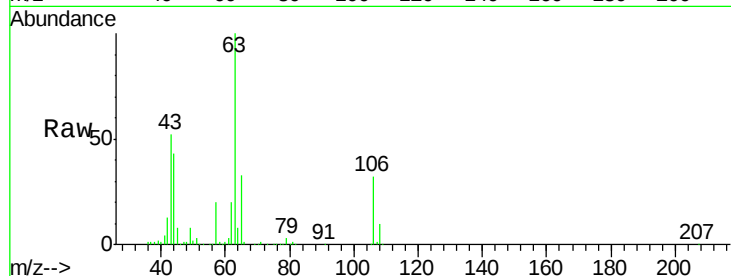
63 100

65 32.6 26.0 39.0

106 32.4 25.9 38.9

Manual Integrations
APPROVED

MMDadoda
10/27/2020 6:55:06 PM



#56

Bromoform

Concen: 19.529 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX019116.D

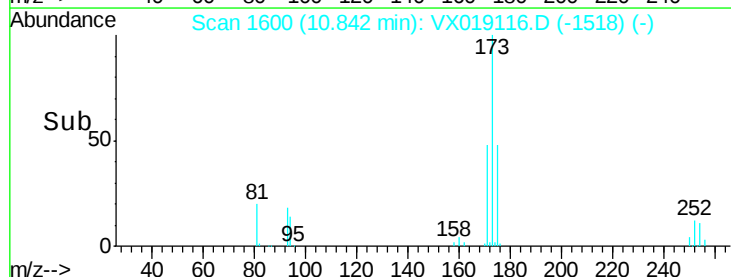
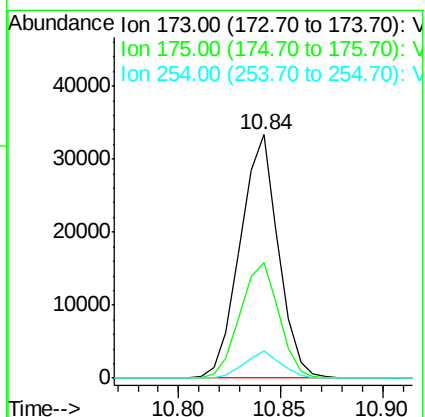
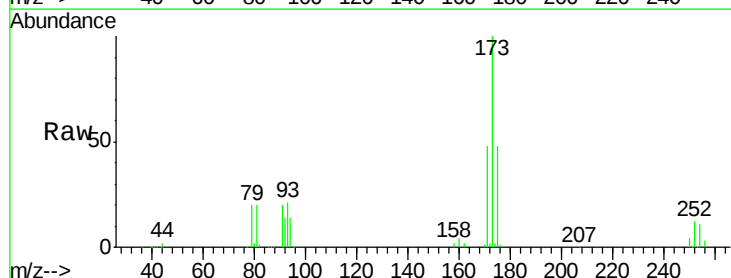
Acq: 26 Oct 2020 11:45

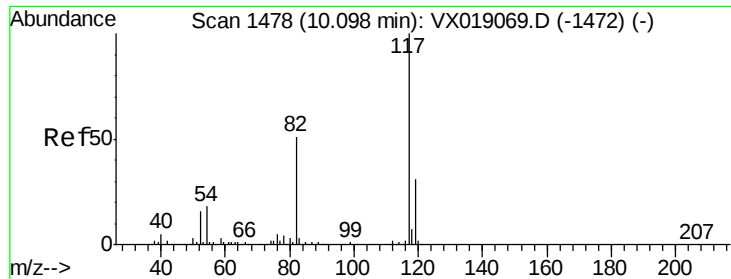
Tgt Ion: 173 Resp: 43235
Ion Ratio Lower Upper

173 100

175 48.4 39.6 59.4

254 10.6 8.6 13.0





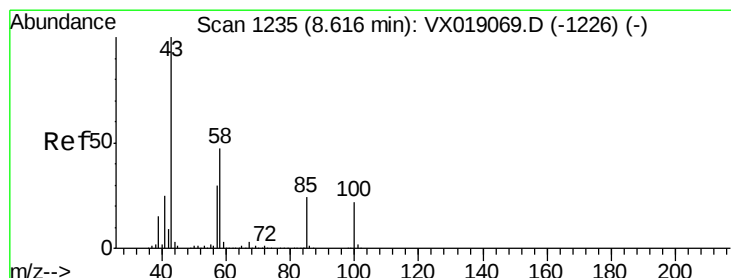
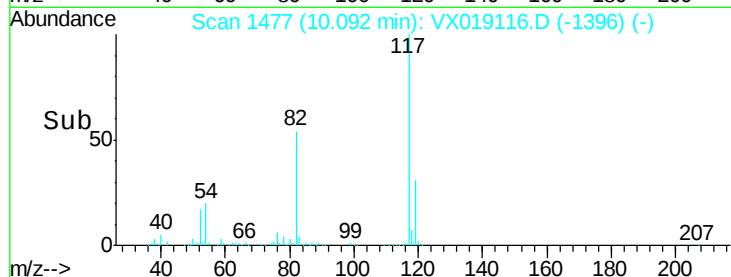
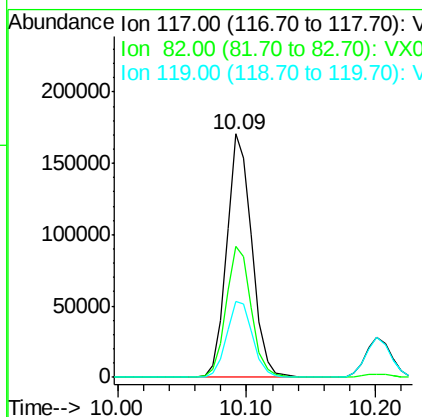
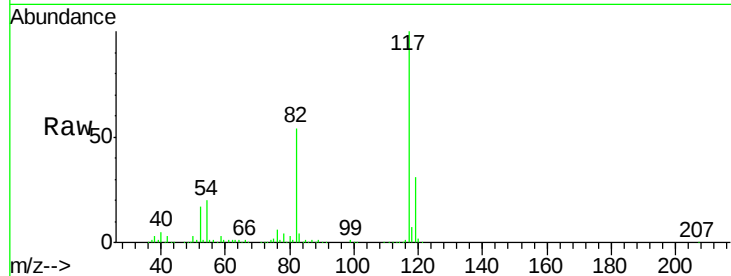
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.09 min Scan# 1477
Delta R.T. -0.01 min
Lab File: VX019116.D
Acq: 26 Oct 2020 11:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	233182		
82	54.1	42.5	63.7	
119	32.3	25.6	38.4	

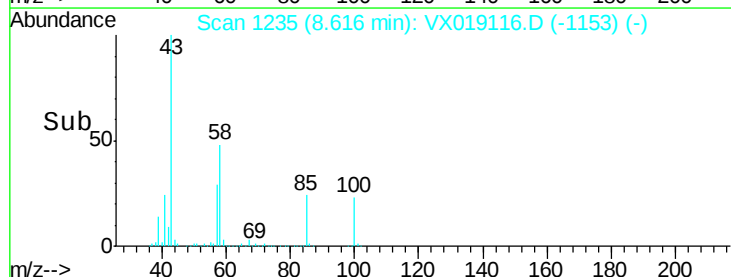
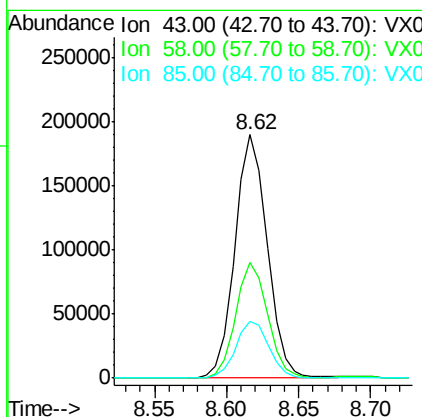
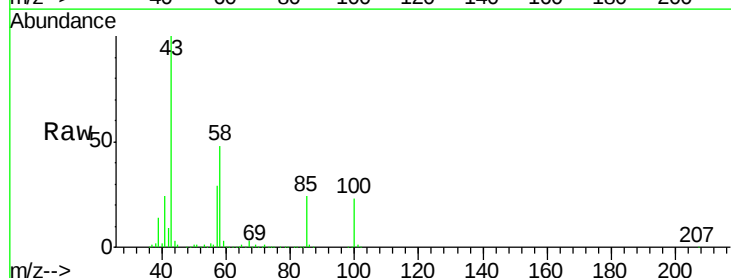
Manual Integrations
APPROVED

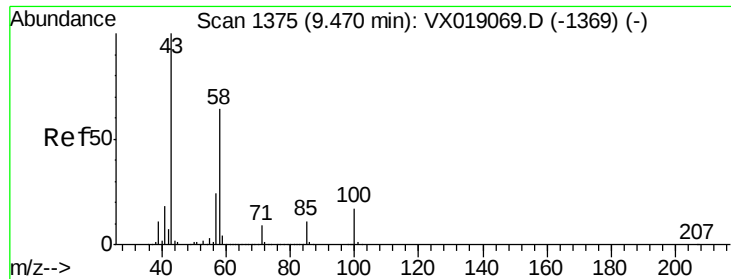
MMDadoda
10/27/2020 6:55:06 PM



#58
4-Methyl-2-Pentanone
Concen: 101.130 ug/l
RT: 8.62 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VX019116.D
Acq: 26 Oct 2020 11:45

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	297383		
58	47.1	37.6	56.4	
85	24.2	19.4	29.2	





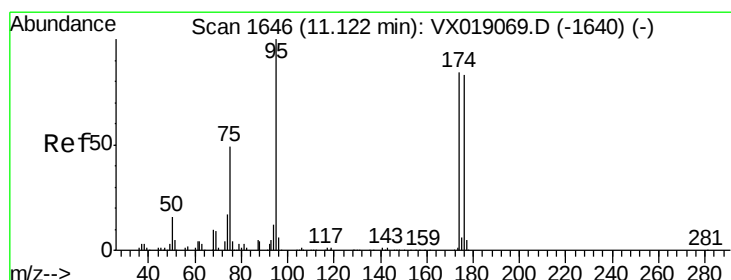
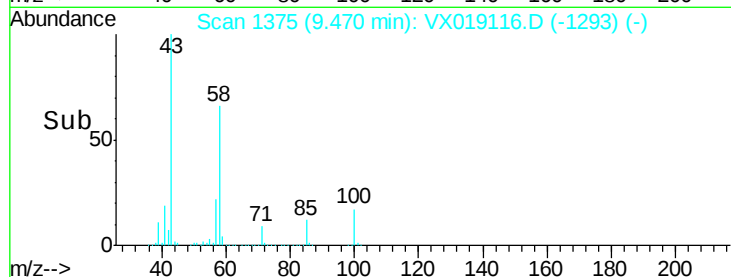
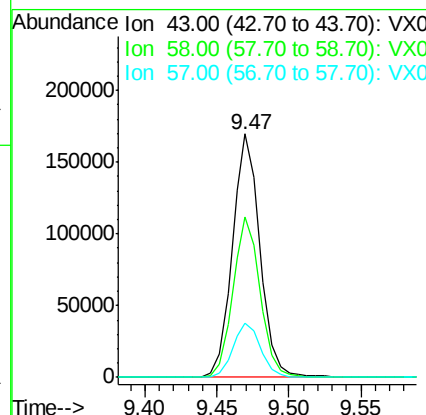
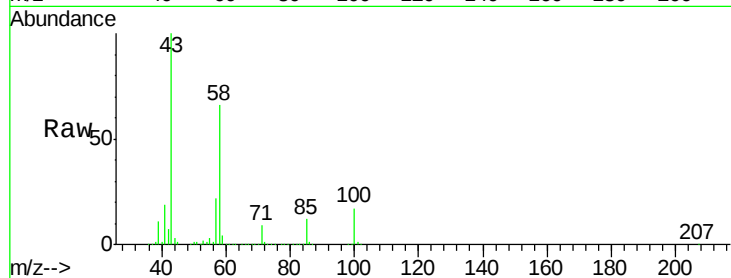
#59
2-Hexanone
Concen: 103.713 ug/l
RT: 9.47 min Scan# 1375
Delta R.T. 0.00 min
Lab File: VX019116.D
Acq: 26 Oct 2020 11:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	65.4	51.9	77.9
57	22.6	18.2	27.4

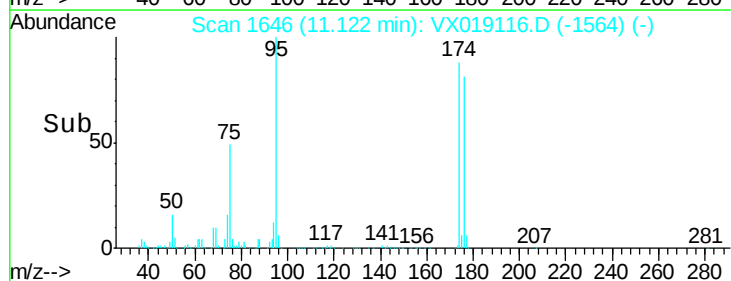
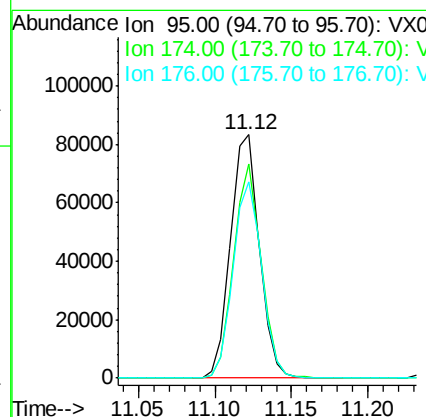
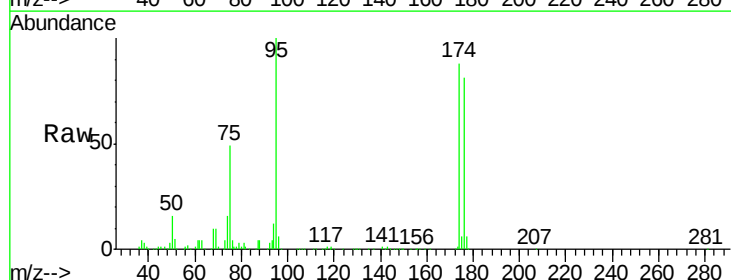
Manual Integrations
APPROVED

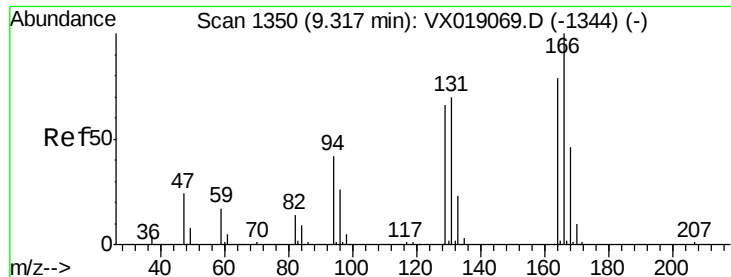
MMDadoda
10/27/2020 6:55:06 PM



#60
4-Bromofluorobenzene
Concen: 31.272 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX019116.D
Acq: 26 Oct 2020 11:45

Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.5	66.3	99.5
176	79.6	65.5	98.3





#61

Tetrachloroethene

Concen: 21.319 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. 0.00 min

Lab File: VX019116.D

Acq: 26 Oct 2020 11:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion:164 Resp: 58975

Ion Ratio Lower Upper

164 100

166 125.5 101.9 152.9

129 90.2 67.0 100.6

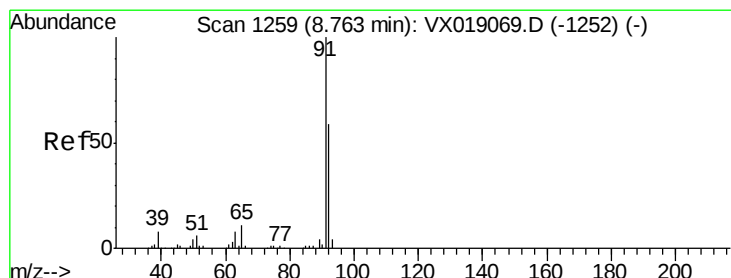
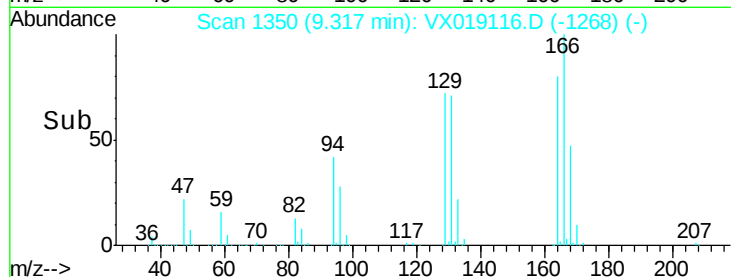
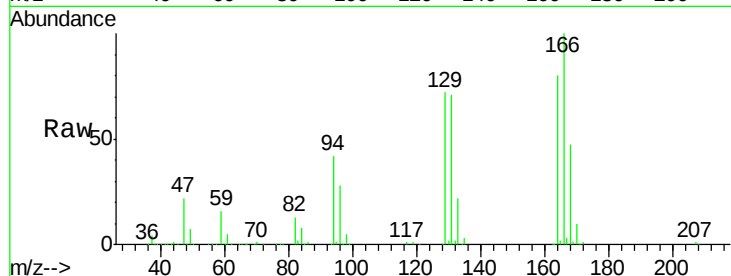
131 89.0 71.1 106.7

Manual Integrations

APPROVED

MMDadoda

10/27/2020 6:55:06 PM



#62

Toluene

Concen: 19.635 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX019116.D

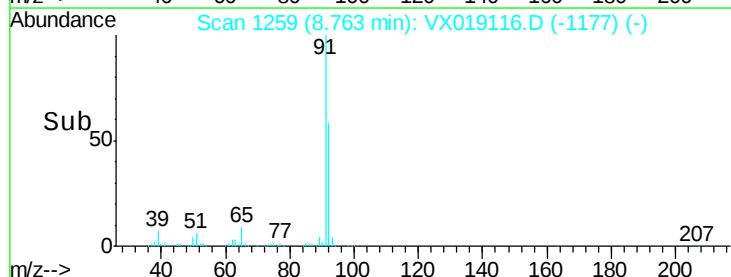
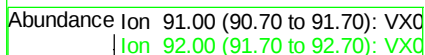
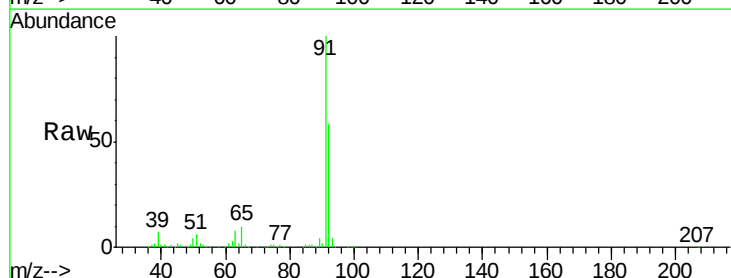
Acq: 26 Oct 2020 11:45

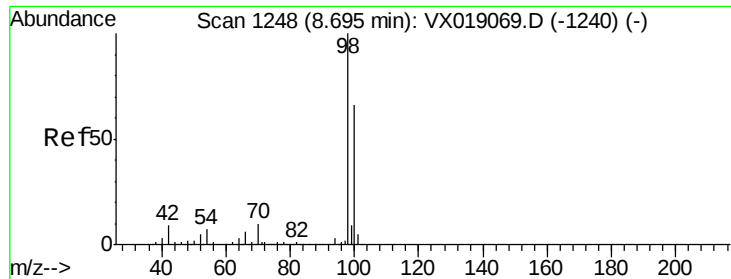
Tgt Ion: 91 Resp: 240631

Ion Ratio Lower Upper

91 100

92 57.9 47.3 70.9





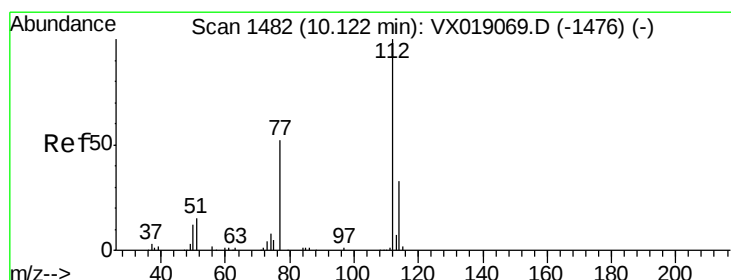
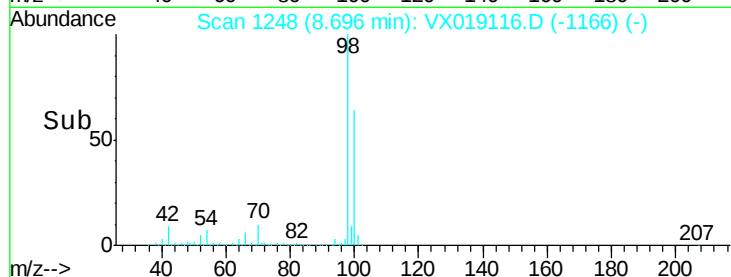
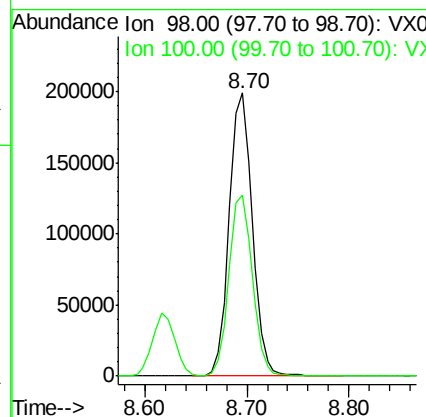
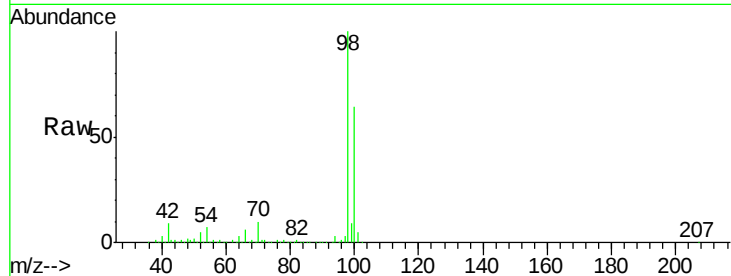
#63
Toluene-d8
Concen: 30.416 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX019116.D
Acq: 26 Oct 2020 11:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion: 98 Resp: 313144
Ion Ratio Lower Upper
98 100
100 65.1 52.2 78.4

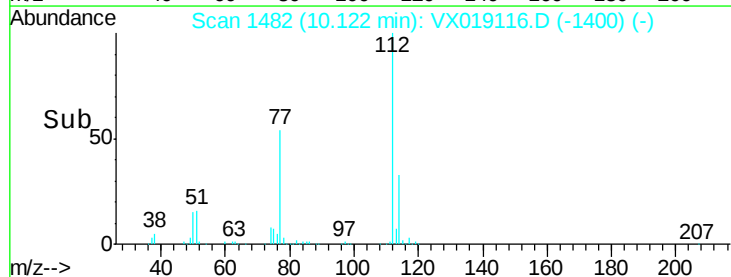
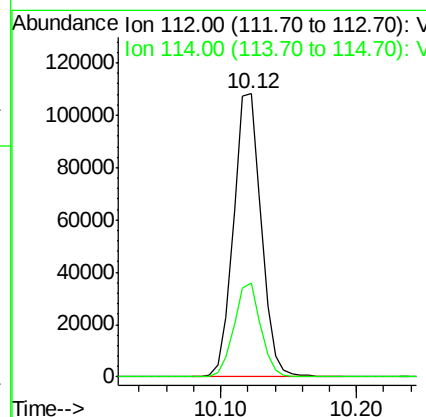
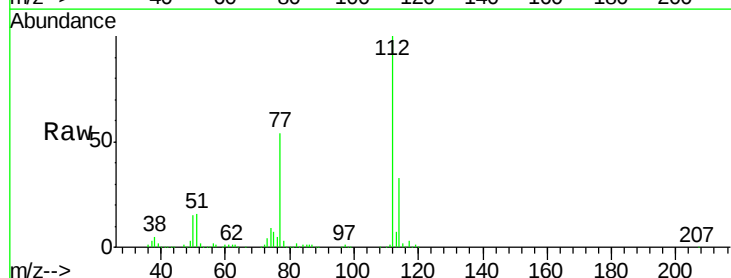
Manual Integrations
APPROVED

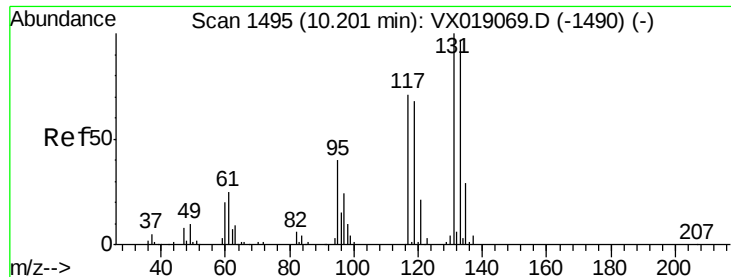
MMDadoda
10/27/2020 6:55:06 PM



#64
Chlorobenzene
Concen: 20.068 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. 0.00 min
Lab File: VX019116.D
Acq: 26 Oct 2020 11:45

Tgt Ion: 112 Resp: 152882
Ion Ratio Lower Upper
112 100
114 33.3 26.2 39.2





#65

1,1,1,2-Tetrachloroethane

Concen: 20.185 ug/l

RT: 10.20 min Scan# 1495

Delta R.T. 0.00 min

Lab File: VX019116.D

Acq: 26 Oct 2020 11:45

Instrument :

MSVOA_X

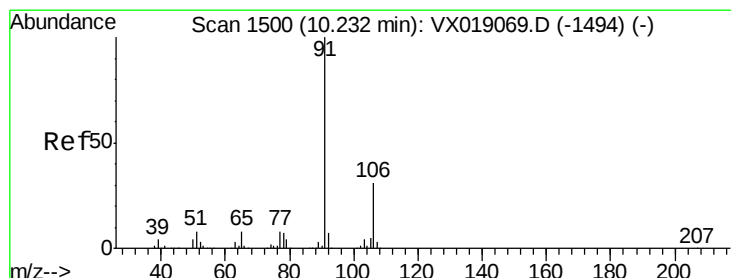
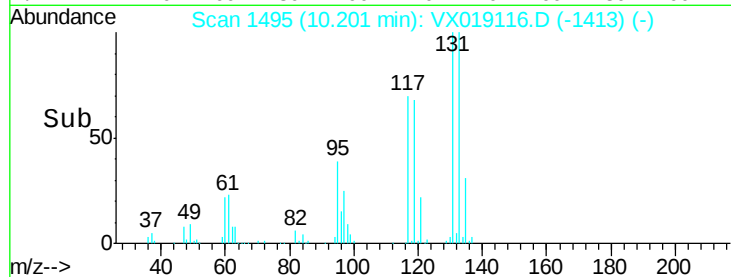
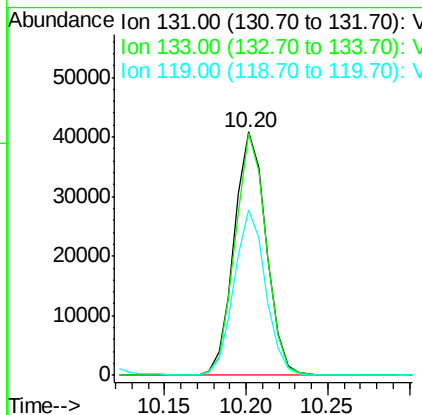
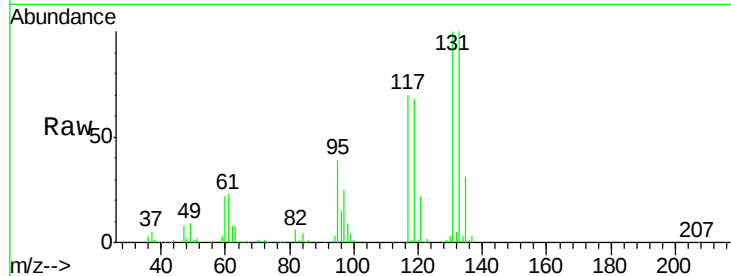
ClientSampleId :

VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
131	100	55925		
133	96.5	0.0	191.6	
119	66.2	0.0	130.0	

Manual Integrations
APPROVED

MMDadoda
10/27/2020 6:55:06 PM



#66

Ethyl Benzene

Concen: 19.776 ug/l

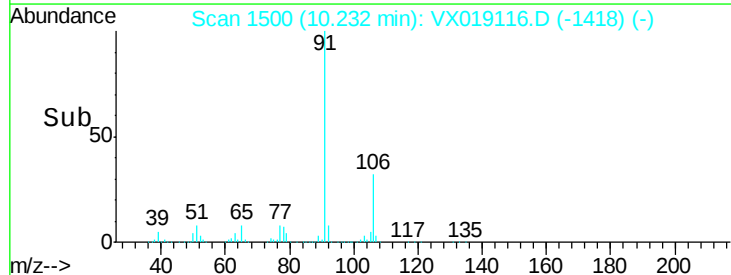
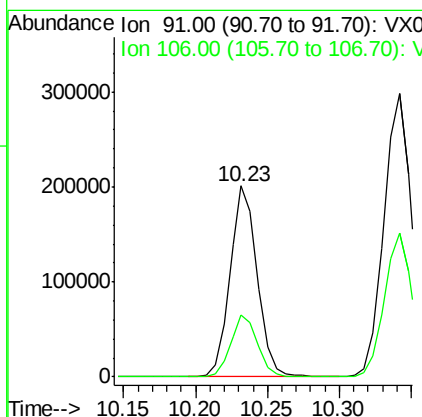
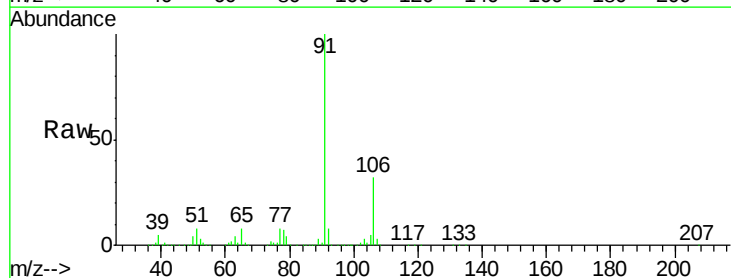
RT: 10.23 min Scan# 1500

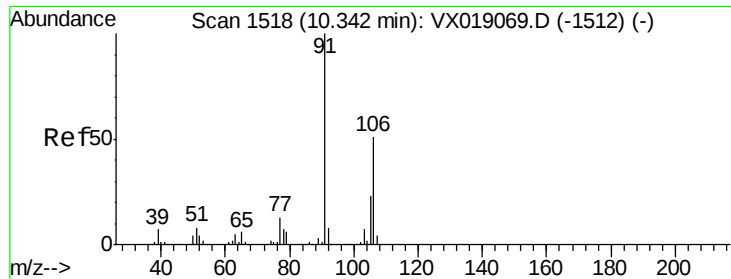
Delta R.T. 0.00 min

Lab File: VX019116.D

Acq: 26 Oct 2020 11:45

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	265711		
106	32.4	24.7	37.1	





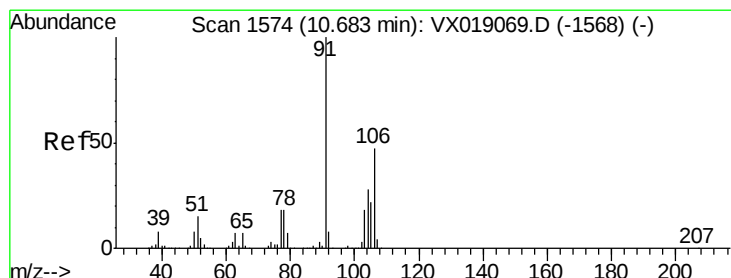
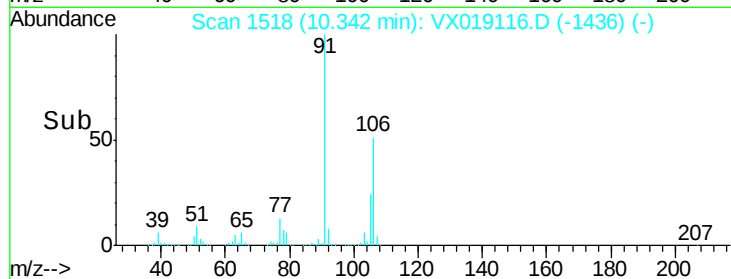
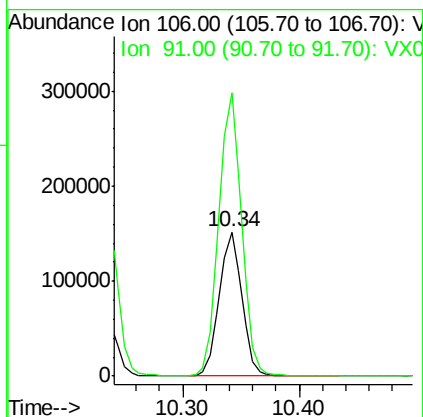
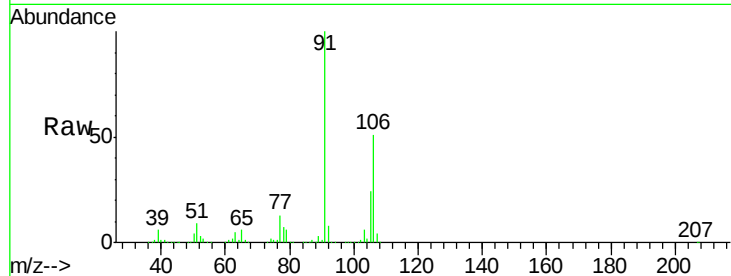
#67
m/p-Xylenes
Concen: 39.814 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VX019116.D
Acq: 26 Oct 2020 11:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	198.1	157.5	204009	236.3	

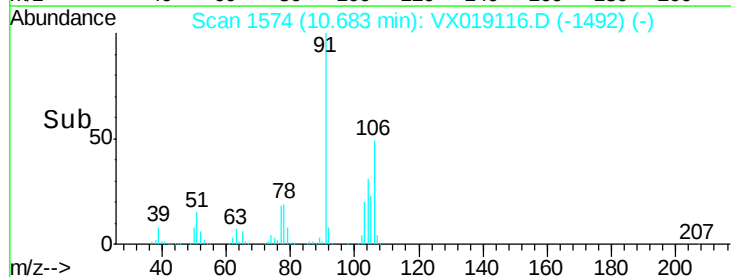
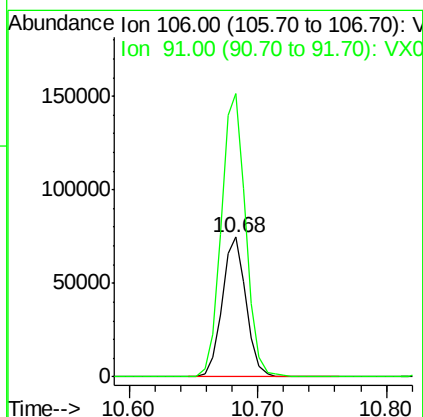
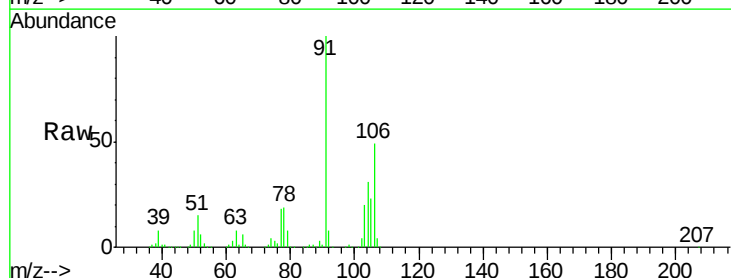
Manual Integrations
APPROVED

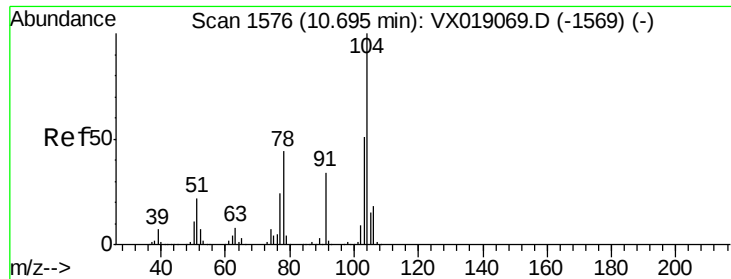
MMDadoda
10/27/2020 6:55:06 PM



#68
o-Xylene
Concen: 19.989 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX019116.D
Acq: 26 Oct 2020 11:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	206.1	103.8	97688	311.4	





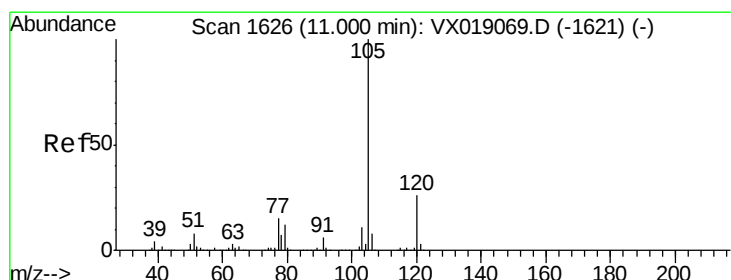
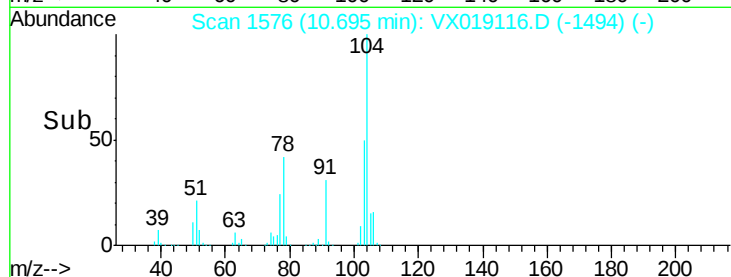
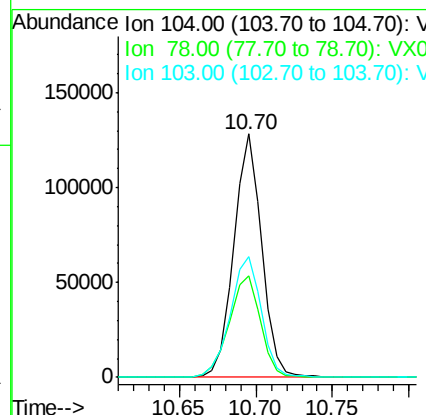
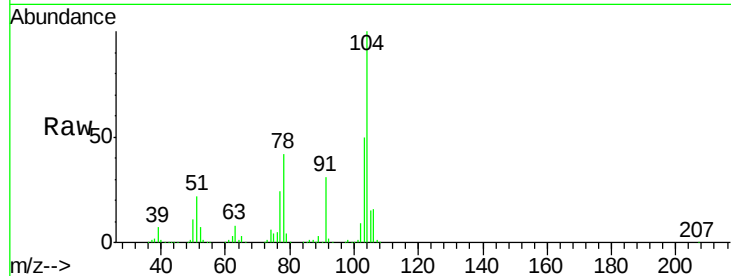
#69
Stvrene
Concen: 19.656 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX019116.D
Acq: 26 Oct 2020 11:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
104	100	161850		
78	47.4		38.6	58.0
103	55.4		43.4	65.2

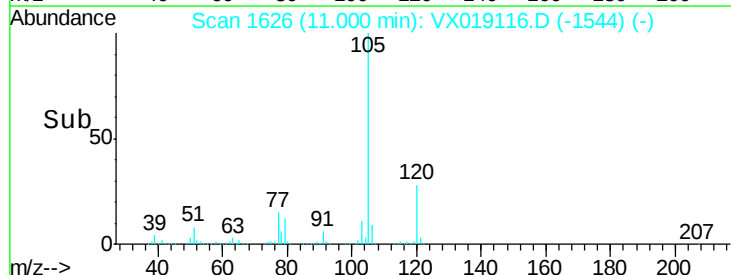
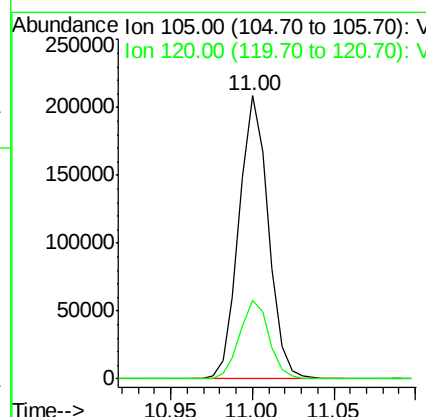
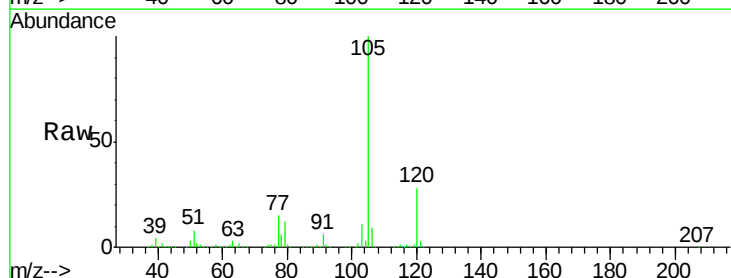
Manual Integrations
APPROVED

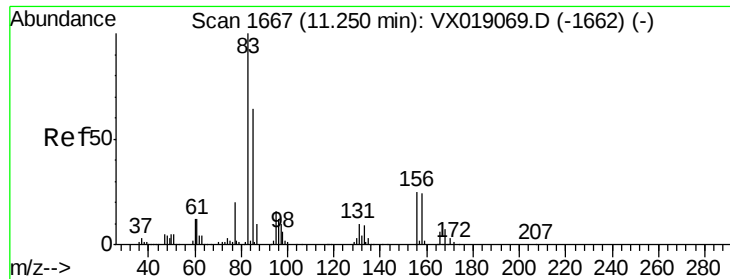
MMDadoda
10/27/2020 6:55:06 PM



#70
Isopropylbenzene
Concen: 19.925 ug/l
RT: 11.00 min Scan# 1626
Delta R.T. 0.00 min
Lab File: VX019116.D
Acq: 26 Oct 2020 11:45

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	261815		
120	27.6		19.0	35.4





#71

1,1,2,2-Tetrachloroethane

Concen: 21.283 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. 0.00 min

Lab File: VX019116.D

Acq: 26 Oct 2020 11:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 83 Resp: 80737
Ion Ratio Lower Upper

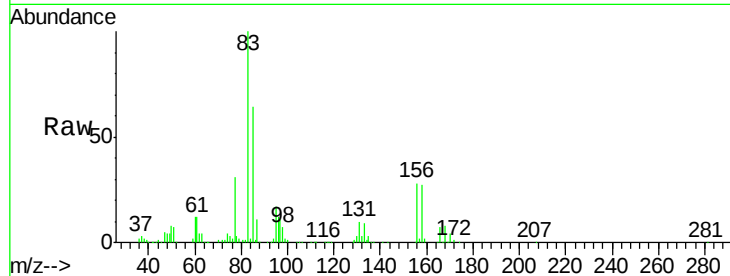
83 100

131 10.4 5.2 15.6

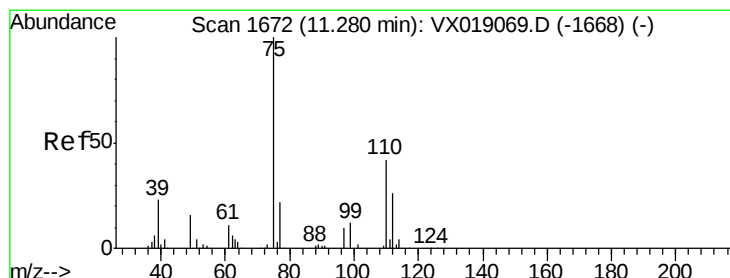
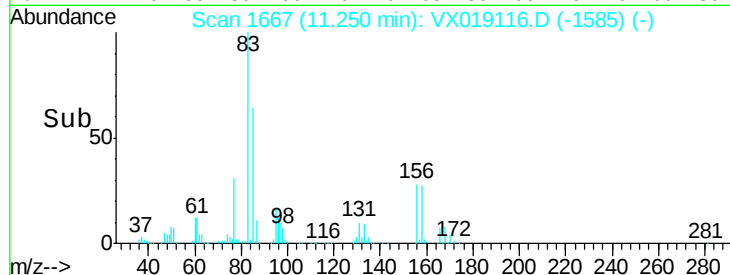
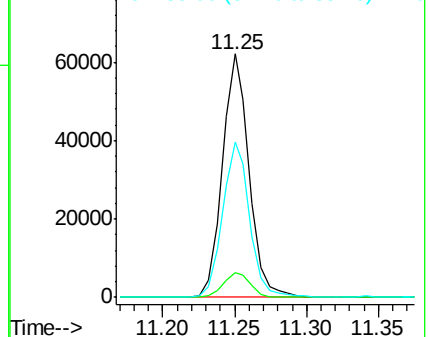
85 64.8 32.5 97.4

Manual Integrations
APPROVED

MMDadoda
10/27/2020 6:55:06 PM



Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 131.00 (130.70 to 131.70): VX0
Ion 85.00 (84.70 to 85.70): VX0



#72

1,2,3-Trichloropropane

Concen: 21.840 ug/l m

RT: 11.28 min Scan# 1672

Delta R.T. 0.00 min

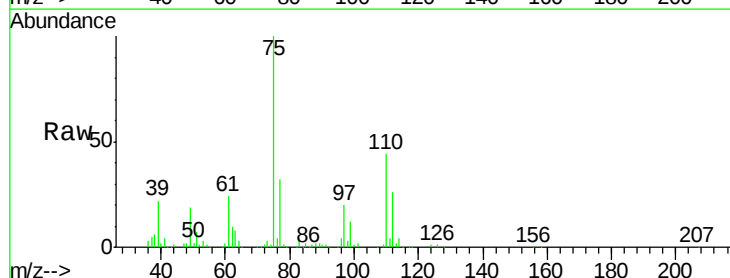
Lab File: VX019116.D

Acq: 26 Oct 2020 11:45

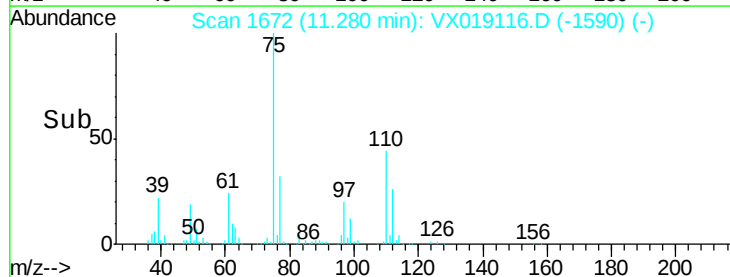
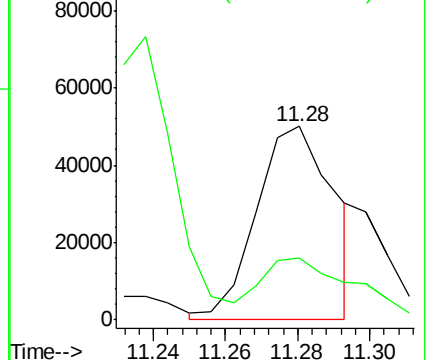
Tgt Ion: 75 Resp: 74506
Ion Ratio Lower Upper

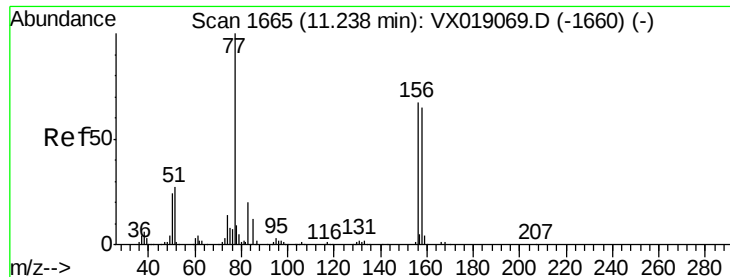
75 100

77 39.0 0.0 81.8



Abundance Ion 75.00 (74.70 to 75.70): VX0
Ion 77.00 (76.70 to 77.70): VX0





#73

Bromobenzene

Concen: 20.599 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VX019116.D

Acq: 26 Oct 2020 11:45

Instrument :

MSVOA_X

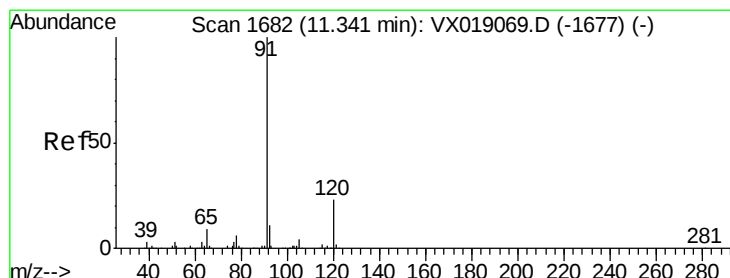
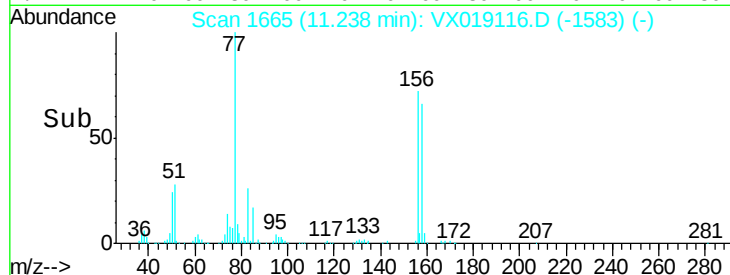
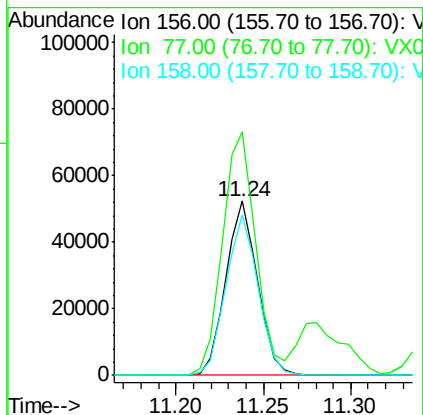
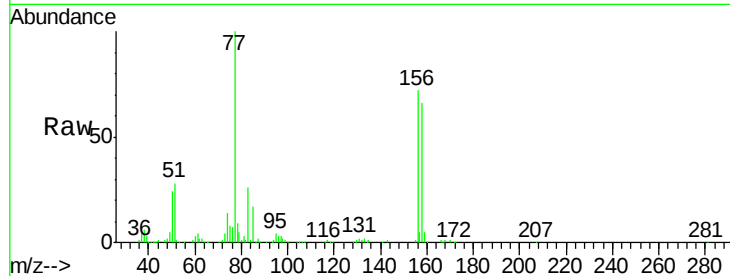
ClientSampleId :

VSTDCCC020

Tot Ion:	156	Resp:	66153
Ion Ratio	Lower	Upper	
156	100		
77	146.9	0.0	299.6
158	93.8	0.0	192.2

Manual Integrations
APPROVED

MMDadoda
10/27/2020 6:55:06 PM



#74

n-propylbenzene

Concen: 20.614 ug/l

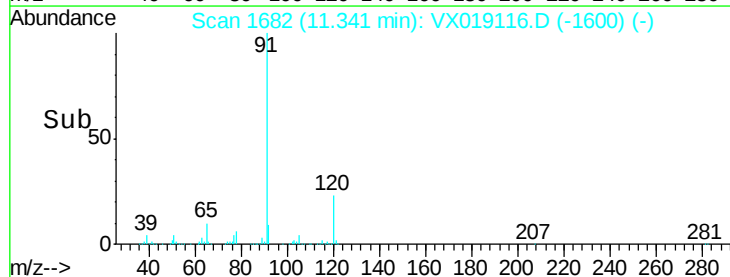
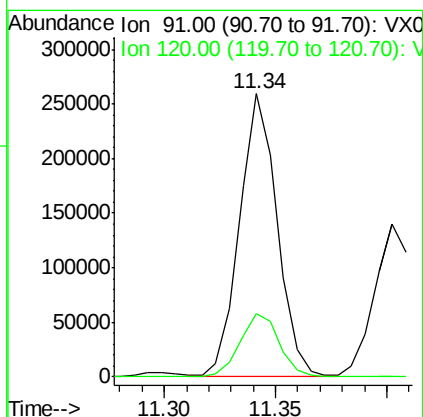
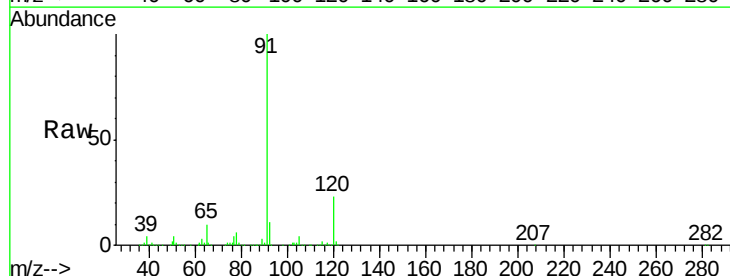
RT: 11.34 min Scan# 1682

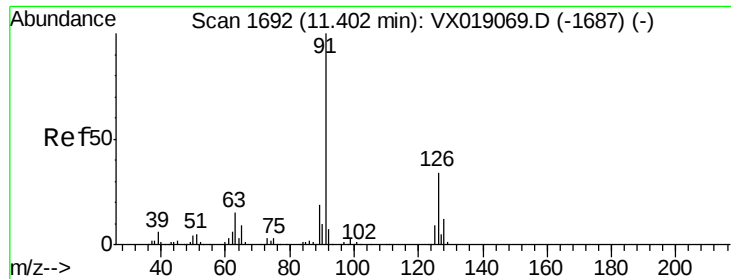
Delta R.T. 0.00 min

Lab File: VX019116.D

Acq: 26 Oct 2020 11:45

Tgt Ion:	91	Resp:	306702
Ion Ratio	Lower	Upper	
91	100		
120	23.3	0.0	46.6





#75

2-Chlorotoluene

Concen: 20.763 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VX019116.D

Acq: 26 Oct 2020 11:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 91 Resp: 174746

Ion Ratio Lower Upper

91 100

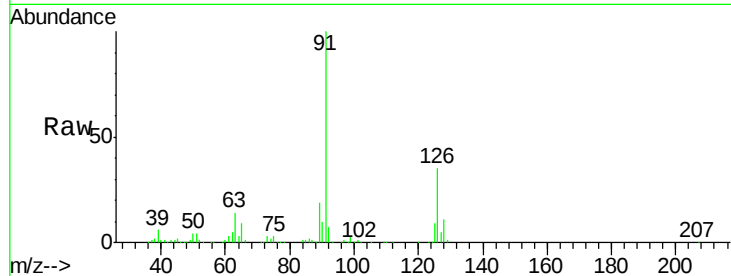
126 34.9 0.0 69.0

Manual Integrations

APPROVED

MMDadoda

10/27/2020 6:55:06 PM



Abundance Ion 91.00 (90.70 to 91.70): VX019069.D (-1687) (-)

Ion 126.00 (125.70 to 126.70): VX019069.D (-1687) (-)

200000

150000

100000

50000

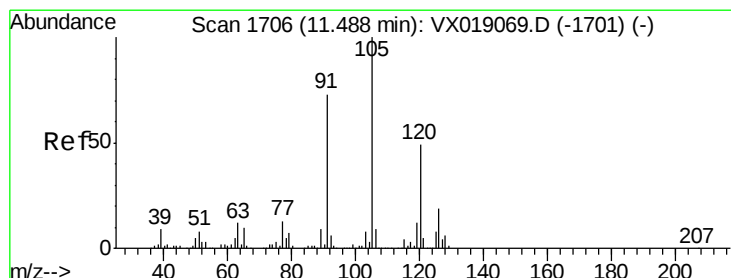
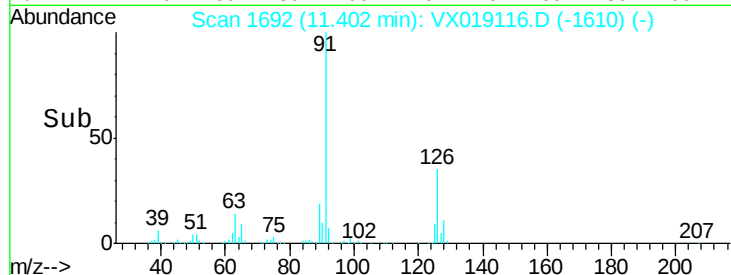
0

11.35

11.40

11.45

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 20.686 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. 0.00 min

Lab File: VX019116.D

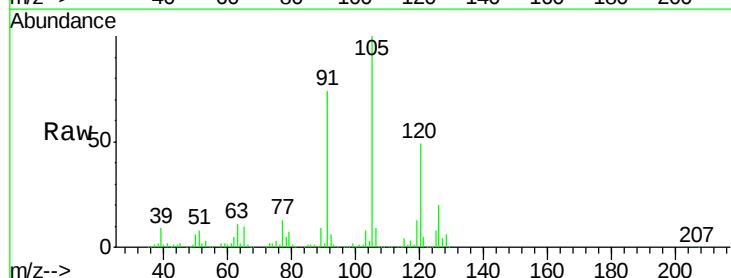
Acq: 26 Oct 2020 11:45

Tgt Ion: 105 Resp: 220570

Ion Ratio Lower Upper

105 100

120 49.4 0.0 100.2



Abundance Ion 105.00 (104.70 to 105.70): VX019069.D (-1701) (-)

Ion 120.00 (119.70 to 120.70): VX019069.D (-1701) (-)

200000

150000

100000

50000

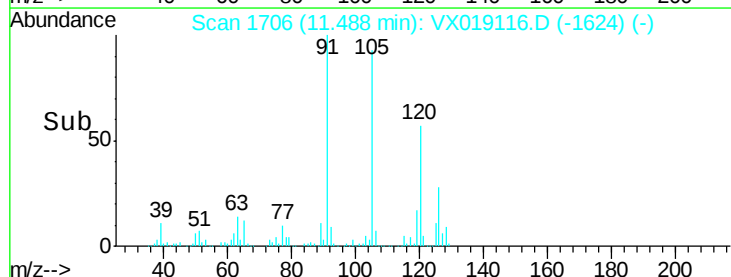
0

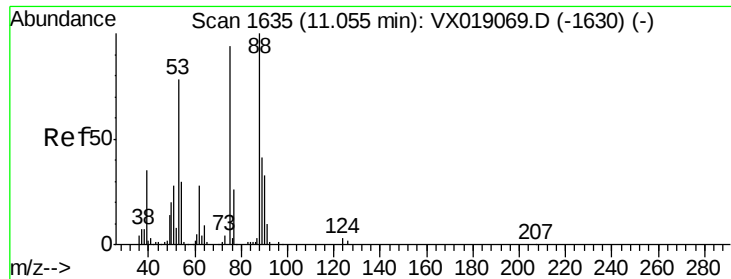
11.45

11.50

11.55

Time-->





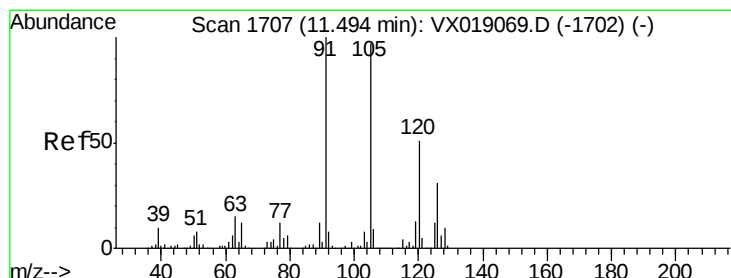
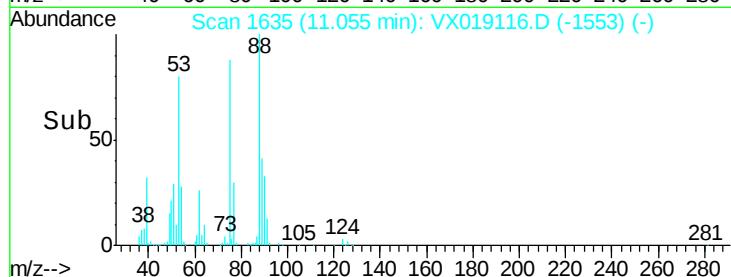
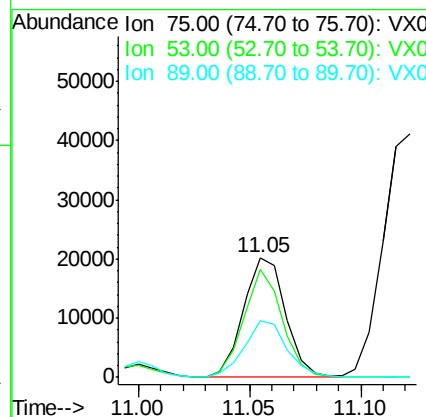
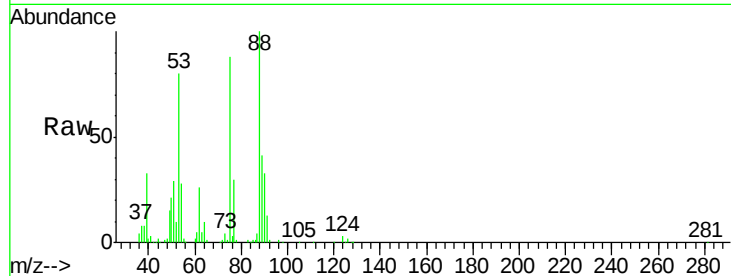
#77
t-1,4-Dichloro-2-butene
Concen: 19.747 ug/l
RT: 11.05 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VX019116.D
Acq: 26 Oct 2020 11:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.2	41.6	124.8
89	46.9	21.8	65.3

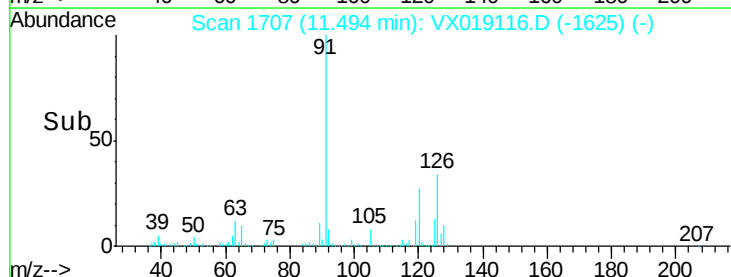
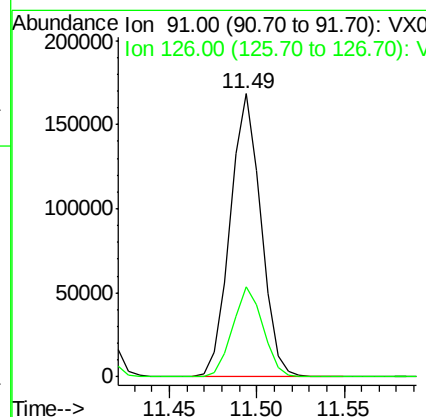
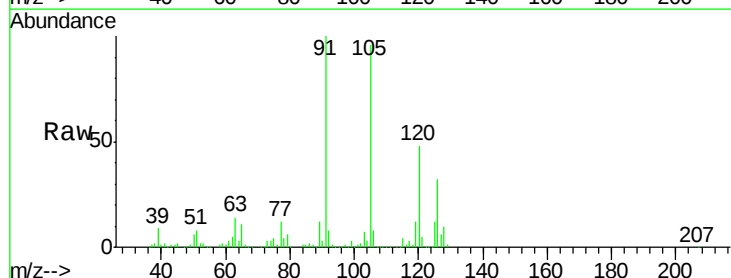
Manual Integrations
APPROVED

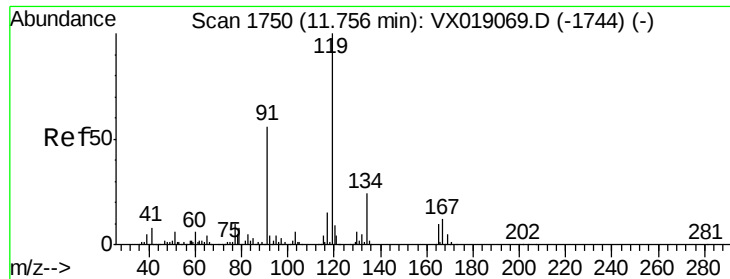
MMDadoda
10/27/2020 6:55:06 PM



#78
4-Chlorotoluene
Concen: 20.861 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. 0.00 min
Lab File: VX019116.D
Acq: 26 Oct 2020 11:45

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.4	0.0	61.2





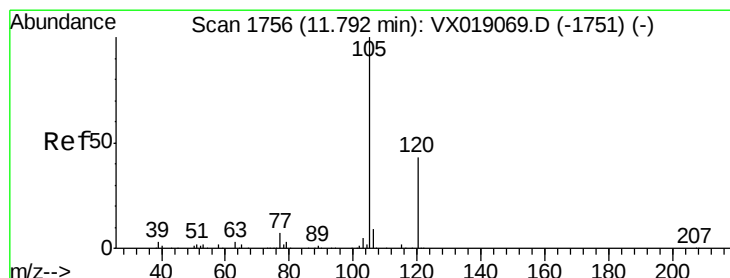
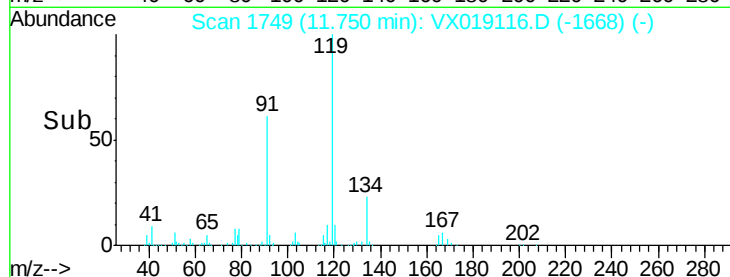
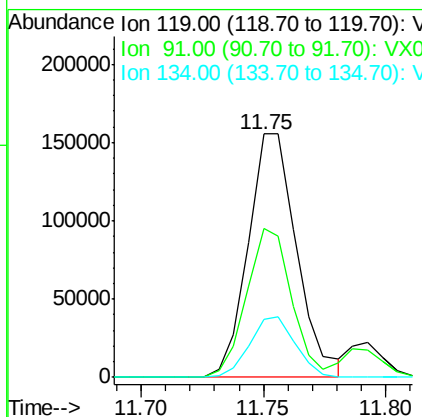
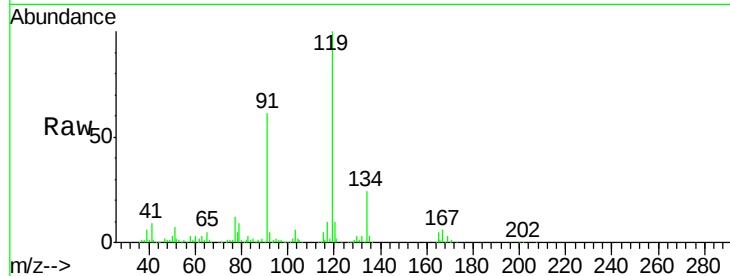
#79
tert-butylbenzene
Concen: 20.461 ug/l
RT: 11.75 min Scan# 1749
Delta R.T. -0.01 min
Lab File: VX019116.D
Acq: 26 Oct 2020 11:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	214839		
91	56.7	0.0	111.4	
134	23.6	0.0	47.2	

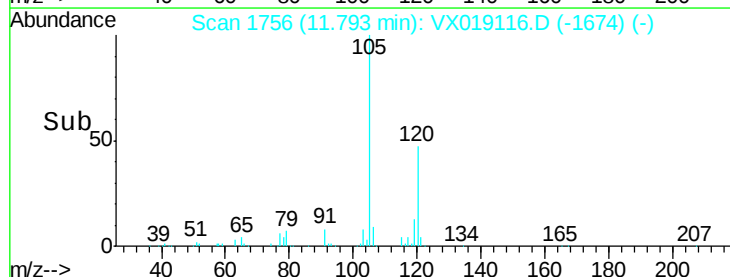
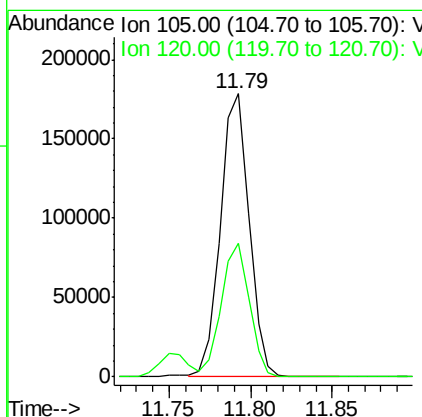
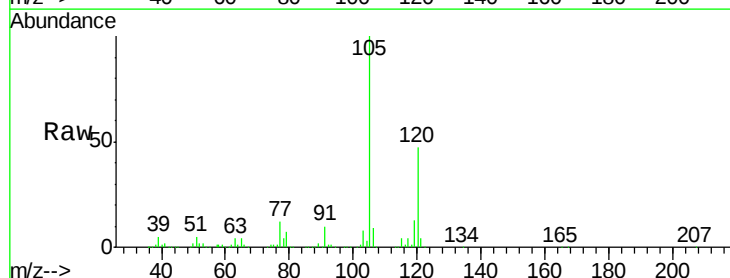
Manual Integrations
APPROVED

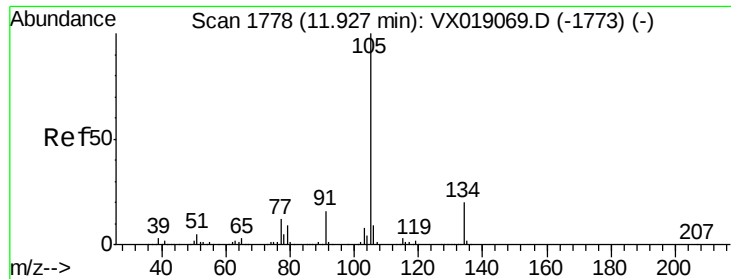
MMDadoda
10/27/2020 6:55:06 PM



#80
1,2,4-Trimethylbenzene
Concen: 20.673 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. 0.00 min
Lab File: VX019116.D
Acq: 26 Oct 2020 11:45

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	219124		
120	46.4	0.0	92.0	





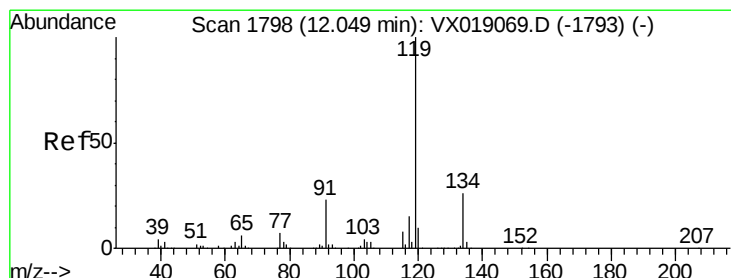
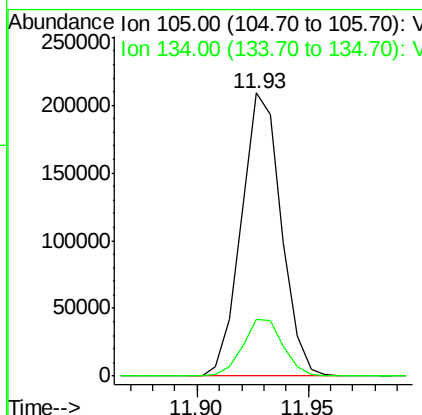
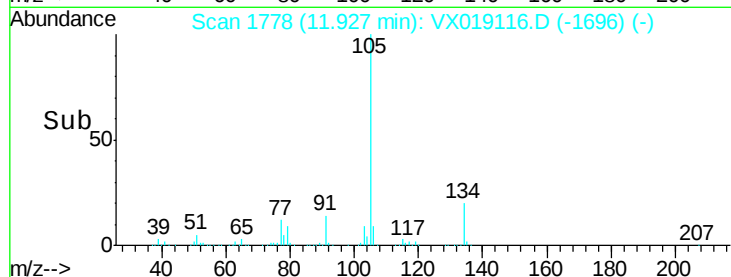
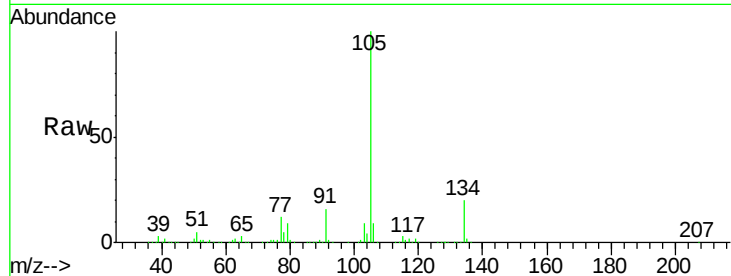
#81
 sec-Butylbenzene
 Concen: 21.051 ug/l
 RT: 11.93 min Scan# 1778
 Delta R.T. 0.00 min
 Lab File: VX019116.D
 Acq: 26 Oct 2020 11:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
105	100	261544		
134	20.4	0.0	40.8	

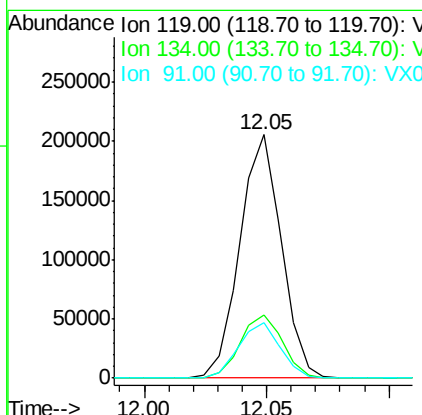
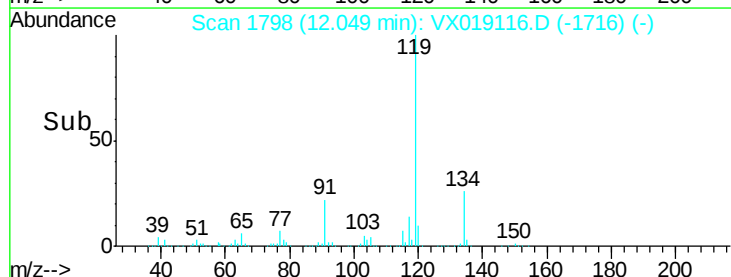
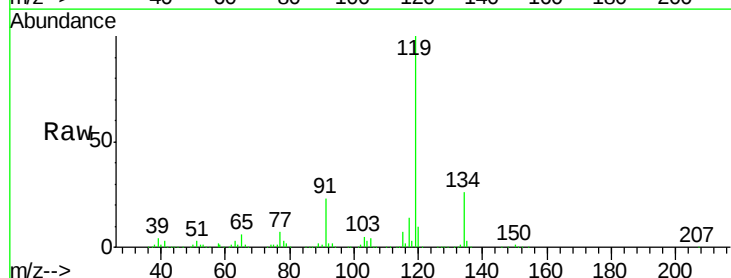
Manual Integrations
 APPROVED

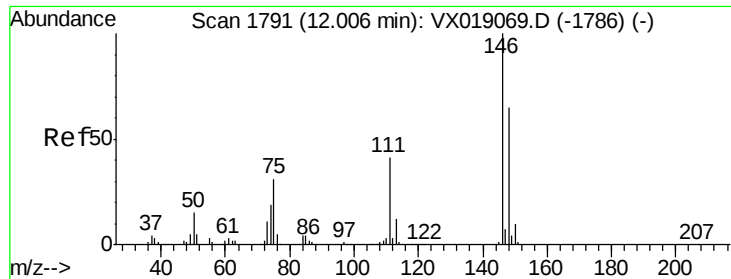
MMDadoda
 10/27/2020 6:55:06 PM



#82
 p-Isopropyltoluene
 Concen: 20.978 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. 0.00 min
 Lab File: VX019116.D
 Acq: 26 Oct 2020 11:45

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	240205		
134	26.5	0.0	52.0	
91	23.1	0.0	45.6	





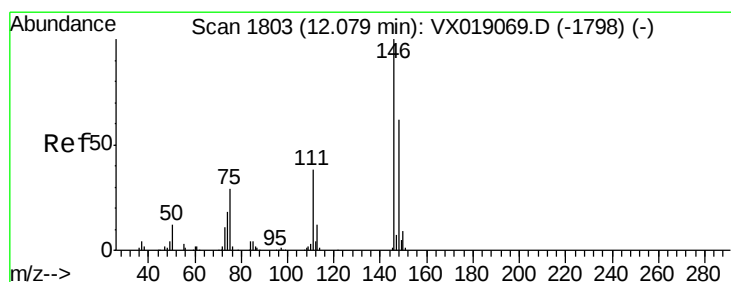
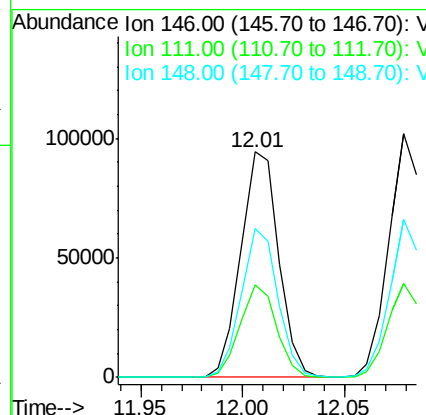
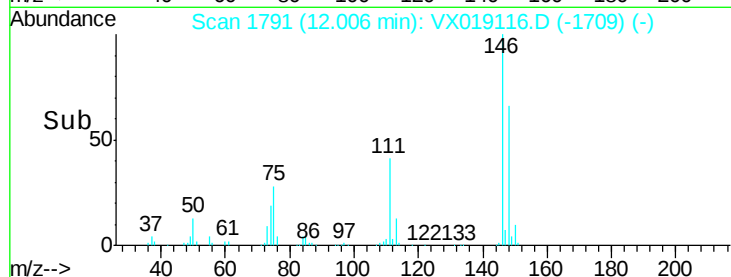
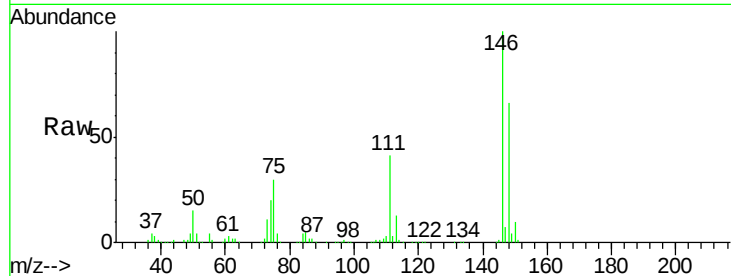
#83
 1,3-Dichlorobenzene
 Concen: 21.242 ug/l
 RT: 12.01 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX019116.D
 Acq: 26 Oct 2020 11:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.0	59.9
148	63.9	32.2	96.6

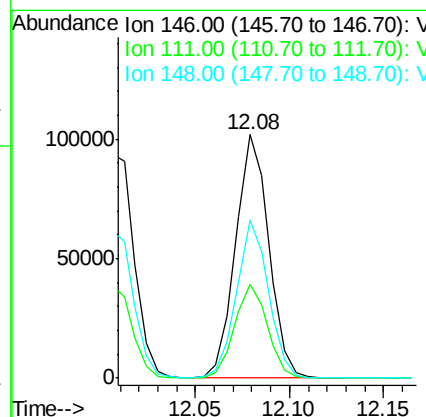
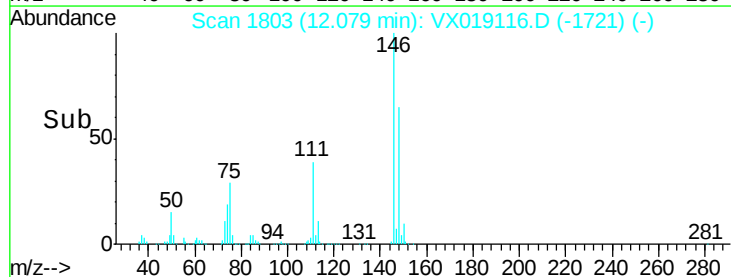
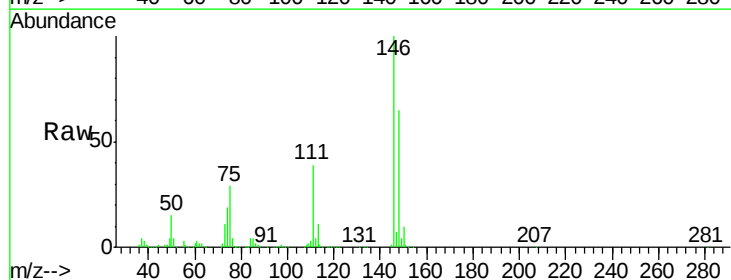
Manual Integrations
 APPROVED

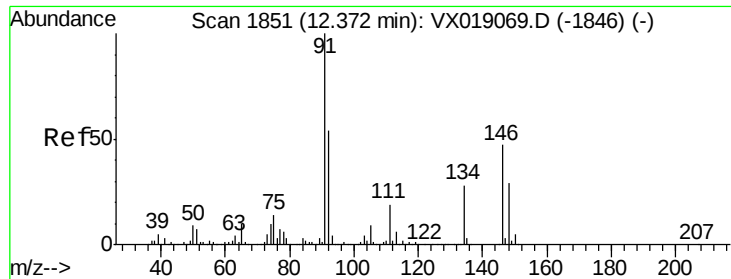
MMDadoda
 10/27/2020 6:55:06 PM



#84
 1,4-Dichlorobenzene
 Concen: 21.399 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VX019116.D
 Acq: 26 Oct 2020 11:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.9	56.7
148	62.9	31.6	95.0





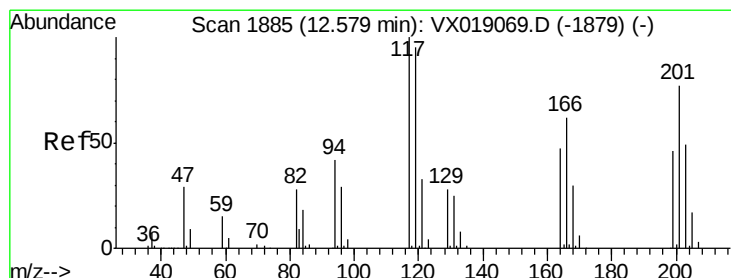
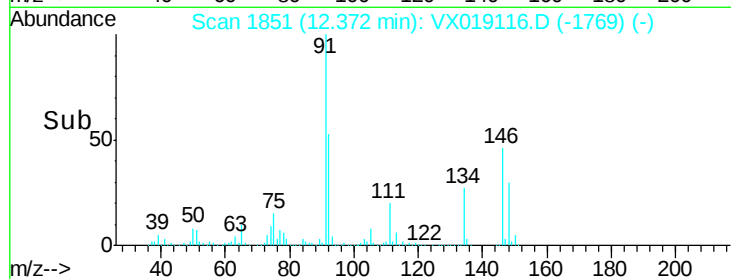
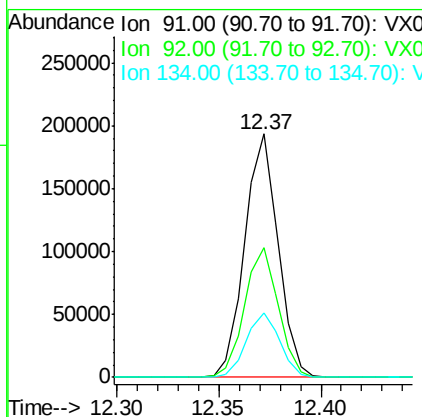
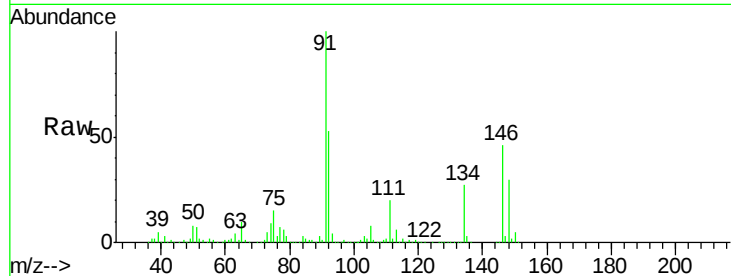
#85
n-Butylbenzene
Concen: 21.486 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VX019116.D
Acq: 26 Oct 2020 11:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100	220277		
92	53.8		0.0	107.4
134	26.8		0.0	54.6

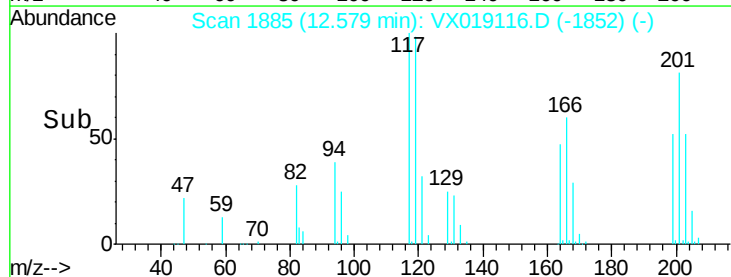
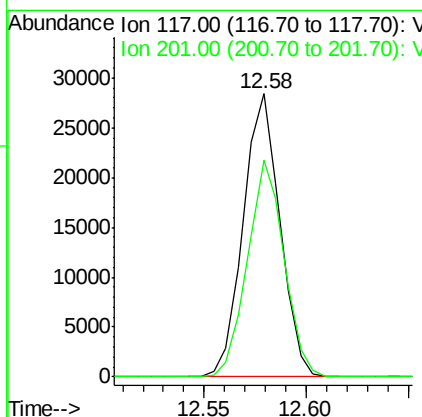
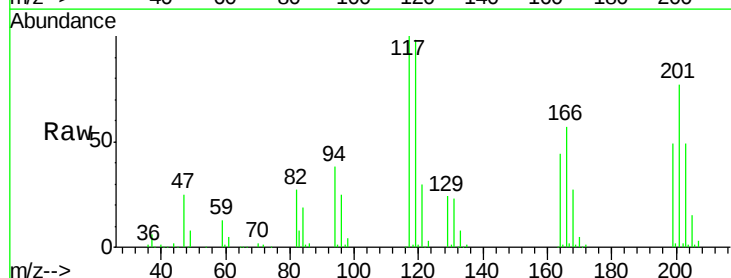
Manual Integrations
APPROVED

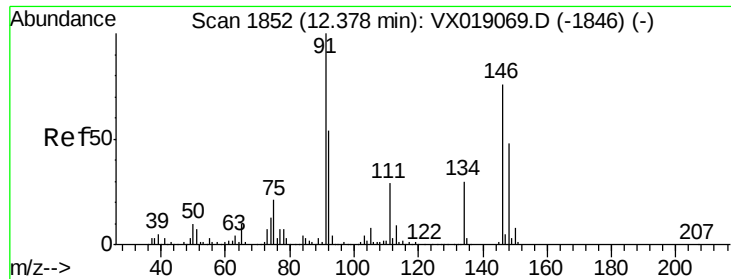
MMDadoda
10/27/2020 6:55:06 PM



#86
Hexachloroethane
Concen: 20.164 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX019116.D
Acq: 26 Oct 2020 11:45

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	35462		
201	76.7		38.4	115.1





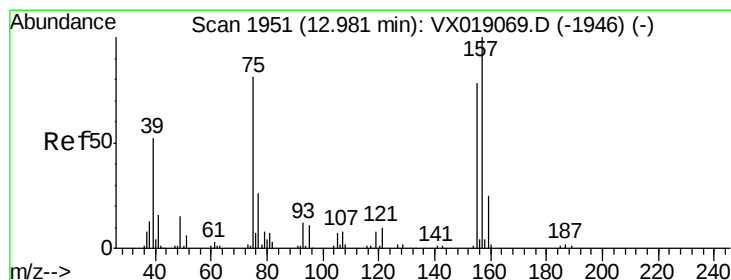
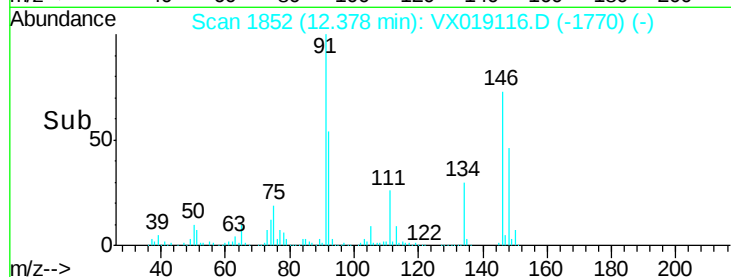
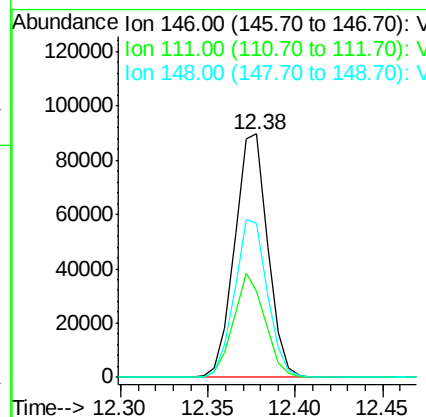
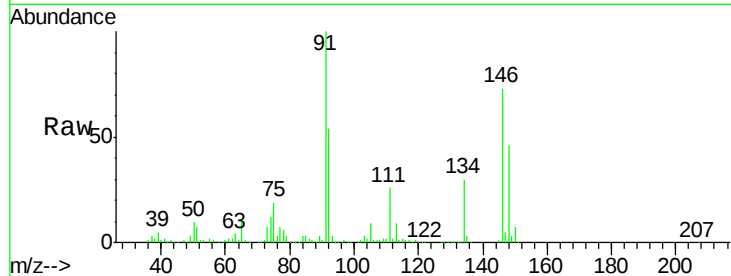
#87
 1,2-Dichlorobenzene
 Concen: 21.489 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VX019116.D
 Acq: 26 Oct 2020 11:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.3	61.0
148	64.1	32.1	96.5

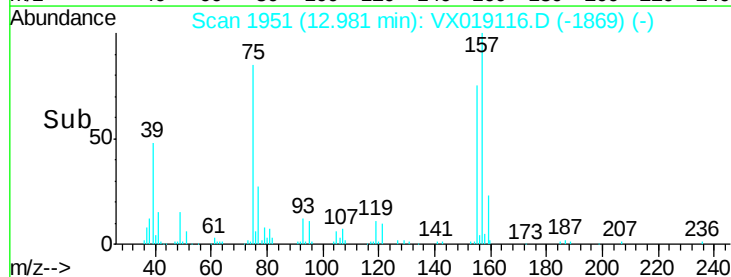
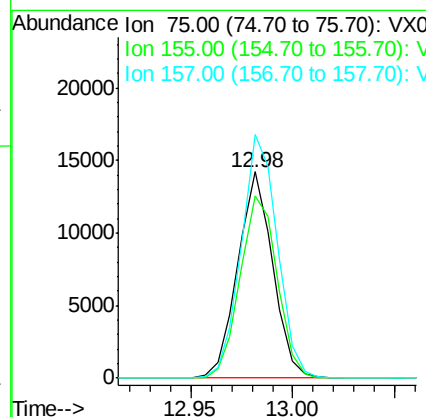
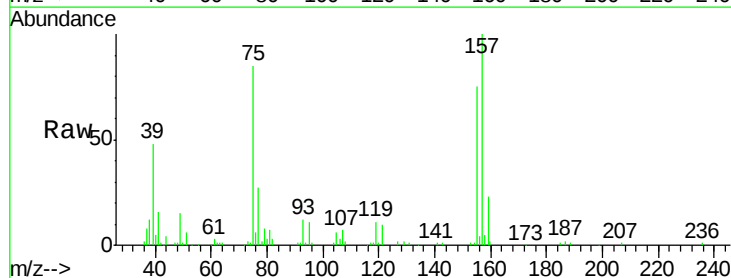
Manual Integrations
 APPROVED

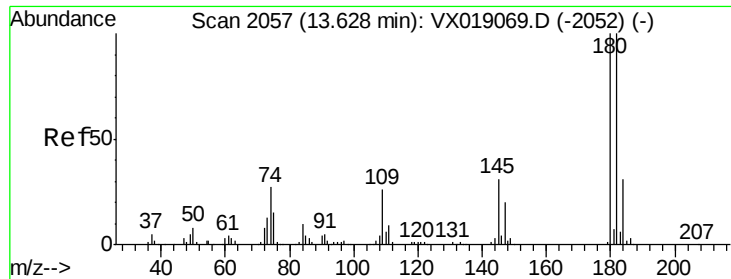
MMDadoda
 10/27/2020 6:55:06 PM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.677 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX019116.D
 Acq: 26 Oct 2020 11:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.8	73.7	110.5
157	122.3	96.5	144.7





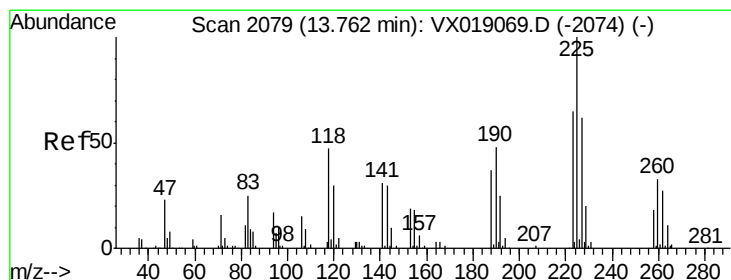
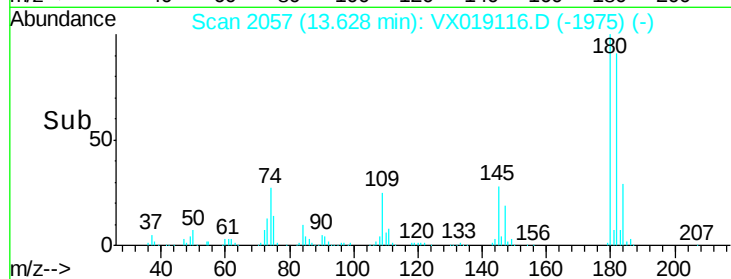
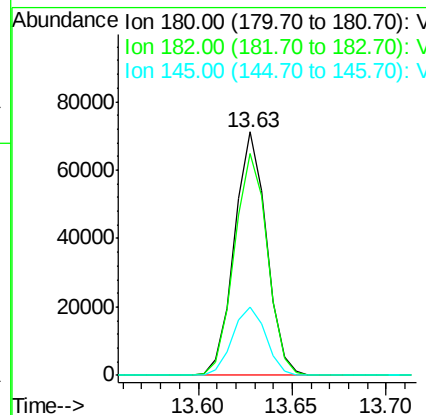
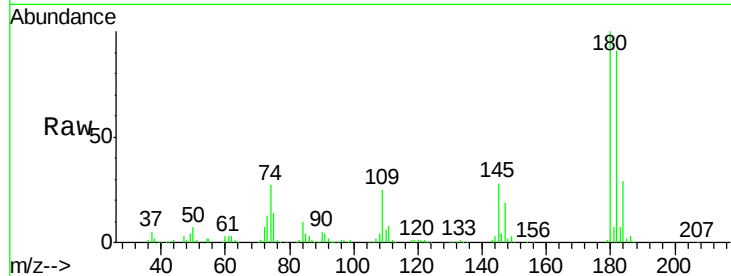
#89
1,2,4-Trichlorobenzene
Concen: 21.270 ug/l
RT: 13.63 min Scan# 2057
Delta R.T. 0.00 min
Lab File: VX019116.D
Acq: 26 Oct 2020 11:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.8	76.5	114.7
145	29.3	24.2	36.4

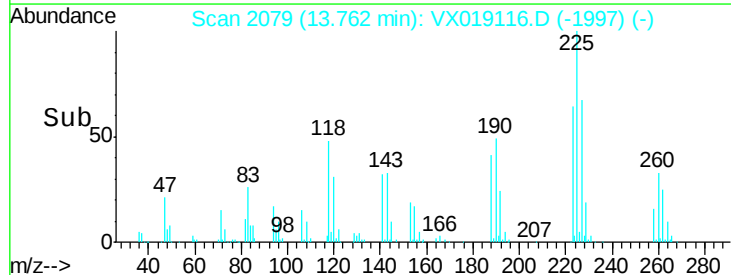
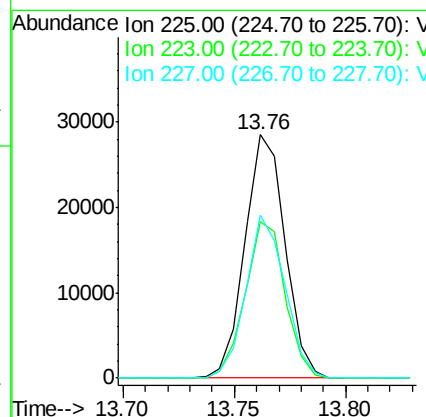
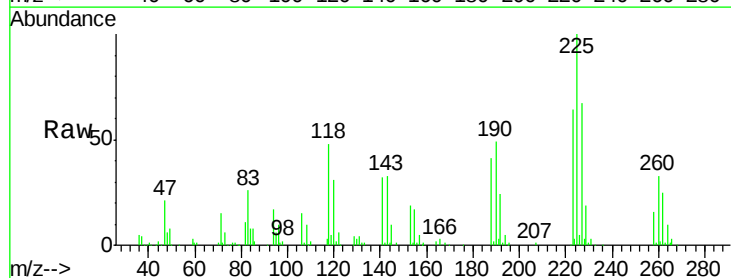
Manual Integrations
APPROVED

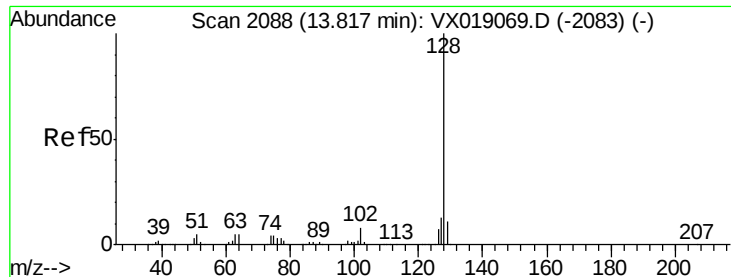
MMDadoda
10/27/2020 6:55:06 PM



#90
Hexachlorobutadiene
Concen: 21.449 ug/l
RT: 13.76 min Scan# 2079
Delta R.T. 0.00 min
Lab File: VX019116.D
Acq: 26 Oct 2020 11:45

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.8	0.0	130.0
227	65.2	0.0	128.6





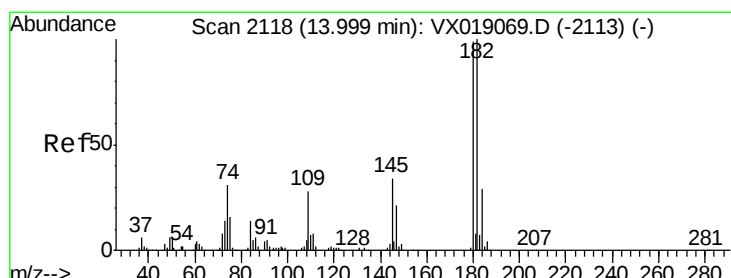
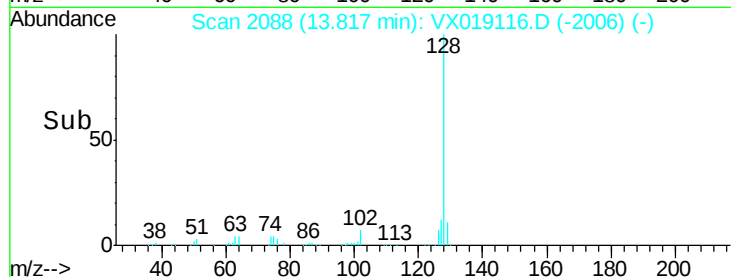
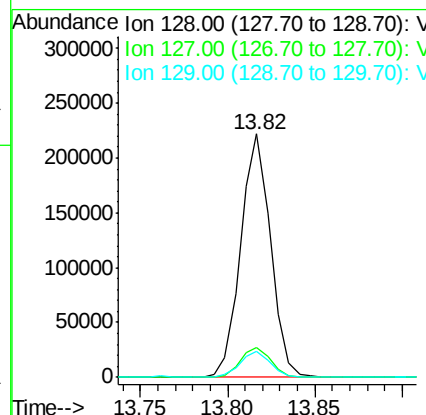
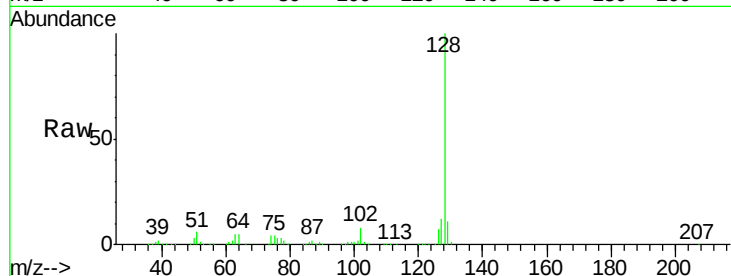
#91
Naphthalene
Concen: 20.240 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX019116.D
Acq: 26 Oct 2020 11:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.6	16.0
129	10.8	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
10/27/2020 6:55:06 PM



#92
1,2,3-Trichlorobenzene
Concen: 21.515 ug/l
RT: 14.00 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VX019116.D
Acq: 26 Oct 2020 11:45

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	0.0	192.4
145	32.1	0.0	64.6

