

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091620\
 Data File : VX018433.D
 Acq On : 16 Sep 2020 12:00
 Operator : JC/SP
 Sample : VX0916MBS01
 Misc : 5.00µL/100µL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0916MBS01

Manual Integrations
 APPROVED

MMDadoda
 9/17/2020 11:27:14 AM

Quant Time: Sep 16 15:17:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 03:03:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	407908	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	621325	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	584860	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	320711	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	289052	51.04	ug/l	0.00
Spiked Amount			Recovery	=	102.08%	
35) Dibromofluoromethane	5.46	113	226869	53.61	ug/l	0.00
Spiked Amount			Recovery	=	107.22%	
50) Toluene-d8	8.70	98	778530	49.40	ug/l	0.00
Spiked Amount			Recovery	=	98.80%	
62) 4-Bromofluorobenzene	11.12	95	310436	50.06	ug/l	0.00
Spiked Amount			Recovery	=	100.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	84374	16.989	ug/l	100
3) Chloromethane	1.31	50	82425	15.742	ug/l	96
4) Vinyl Chloride	1.39	62	83006	15.925	ug/l	97
5) Bromomethane	1.64	94	59399	23.627	ug/l	98
6) Chloroethane	1.72	64	51732	18.479	ug/l	99
7) Trichlorofluoromethane	1.92	101	148287	20.865	ug/l	99
8) Diethyl Ether	2.17	74	47342	19.642	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	78094	20.325	ug/l	99
10) Methyl Iodide	2.49	142	77136	22.066	ug/l	94
11) Tert butyl alcohol	3.00	59	92529	84.037	ug/l	99
12) 1,1-Dichloroethene	2.36	96	71778	18.006	ug/l	100
13) Acrolein	2.27	56	35607	77.992	ug/l	97
14) Allyl chloride	2.71	41	130239	18.185	ug/l	95
15) Acrylonitrile	3.11	53	221770	88.793	ug/l	98
16) Acetone	2.42	43	198887	90.134	ug/l	98
17) Carbon Disulfide	2.55	76	186682	15.492	ug/l	99
18) Methyl Acetate	2.75	43	120764	22.680	ug/l	100
19) Methyl tert-butyl Ether	3.17	73	274359	20.069	ug/l	98
20) Methylene Chloride	2.83	84	84214	17.916	ug/l	95
21) trans-1,2-Dichloroethene	3.14	96	78186	17.703	ug/l	97
22) Diisopropyl ether	3.82	45	274860	19.445	ug/l	96
23) Vinyl Acetate	3.78	43	1174502	93.379	ug/l	99
24) 1,1-Dichloroethane	3.67	63	151379	18.813	ug/l	98
25) 2-Butanone	4.63	43	311415	85.874	ug/l	100
26) 2,2-Dichloropropane	4.55	77	141491	21.612	ug/l	97
27) cis-1,2-Dichloroethene	4.56	96	93447	18.364	ug/l	100
28) Bromochloromethane	4.98	49	72837	18.753	ug/l	95
29) Tetrahydrofuran	5.09	42	193432	83.791	ug/l	97
30) Chloroform	5.17	83	166465	19.980	ug/l	100
31) Cyclohexane	5.56	56	115558	17.049	ug/l	98
32) 1,1,1-Trichloroethane	5.46	97	152271	19.915	ug/l	99
36) 1,1-Dichloropropene	5.77	75	112828	19.688	ug/l	99
37) Ethyl Acetate	4.79	43	121183	18.207	ug/l #	94
38) Carbon Tetrachloride	5.76	117	140053	21.686	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX091620\
 Data File : VX018433.D
 Acq On : 16 Sep 2020 12:00
 Operator : JC/SP
 Sample : VX0916MBS01
 Misc : 5.00µL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0916MBS01

Manual Integrations
 APPROVED

MMDadoda
 9/17/2020 11:27:14 AM

Quant Time: Sep 16 15:17:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 03:03:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	117217	18.706	ug/l	98
40) Benzene	6.11	78	313854	18.638	ug/l	99
41) Methacrylonitrile	4.99	41	68551	18.757	ug/l	97
42) 1,2-Dichloroethane	6.16	62	141715	21.965	ug/l	97
43) Isopropyl Acetate	6.41	43	202358	18.823	ug/l	98
44) Trichloroethene	7.19	130	94338	19.827	ug/l	97
45) 1,2-Dichloropropane	7.49	63	88121	19.416	ug/l	99
46) Dibromomethane	7.63	93	64069	20.075	ug/l	98
47) Bromodichloromethane	7.87	83	136024	21.345	ug/l	97
48) Methyl methacrylate	7.74	41	98165	18.343	ug/l	98
49) 1,4-Dioxane	7.71	88	32583	336.109	ug/l	97
51) 4-Methyl-2-Pentanone	8.62	43	635410	95.684	ug/l	98
52) Toluene	8.76	92	205466	19.242	ug/l	99
53) t-1,3-Dichloropropene	9.02	75	142795	20.218	ug/l	98
54) cis-1,3-Dichloropropene	8.42	75	152358	20.364	ug/l	99
55) 1,1,2-Trichloroethane	9.20	97	90518	19.877	ug/l	97
56) Ethyl methacrylate	9.16	69	128790	19.024	ug/l	98
57) 1,3-Dichloropropane	9.35	76	147315	19.613	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.29	63	332428	109.156	ug/l	99
59) 2-Hexanone	9.47	43	466815	92.447	ug/l	100
60) Dibromochloromethane	9.57	129	111900	20.946	ug/l	98
61) 1,2-Dibromoethane	9.65	107	98724	19.968	ug/l	97
64) Tetrachloroethene	9.32	164	89240	20.764	ug/l	93
65) Chlorobenzene	10.12	112	234442	20.071	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.20	131	93539	20.318	ug/l	95
67) Ethyl Benzene	10.24	91	393741	19.821	ug/l	99
68) m/p-Xylenes	10.34	106	302971	40.863	ug/l	97
69) o-Xylene	10.68	106	138776	19.308	ug/l	97
70) Styrene	10.70	104	247632	20.231	ug/l	97
71) Bromoform	10.84	173	82818	21.090	ug/l #	100
73) Isopropylbenzene	11.00	105	395663	18.704	ug/l	100
74) N-amyl acetate	10.88	43	170013	16.939	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.25	83	133525	17.893	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	126640m	17.751	ug/l	
77) Bromobenzene	11.24	156	108695	18.588	ug/l	97
78) n-propylbenzene	11.34	91	459916	19.147	ug/l	99
79) 2-Chlorotoluene	11.40	91	276972	18.664	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	350412	20.157	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.05	75	46523	17.612	ug/l	97
82) 4-Chlorotoluene	11.49	91	335297	19.006	ug/l	99
83) tert-Butylbenzene	11.76	119	327588	19.095	ug/l	98
84) 1,2,4-Trimethylbenzene	11.79	105	349769	19.680	ug/l	100
85) sec-Butylbenzene	11.93	105	390553	20.019	ug/l	100
86) p-Isopropyltoluene	12.05	119	363081	20.261	ug/l	98
87) 1,3-Dichlorobenzene	12.01	146	198580	19.342	ug/l	98
88) 1,4-Dichlorobenzene	12.08	146	202351	19.685	ug/l	98
89) n-Butylbenzene	12.37	91	317024	19.382	ug/l	99
90) Hexachloroethane	12.58	117	73464	20.836	ug/l	95
91) 1,2-Dichlorobenzene	12.38	146	190953	19.759	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	32326	17.324	ug/l	96

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX091620\
Data File : VX018433.D
Acq On : 16 Sep 2020 12:00
Operator : JC/SP
Sample : VX0916MBS01
Misc : 5.00µL/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0916MBS01

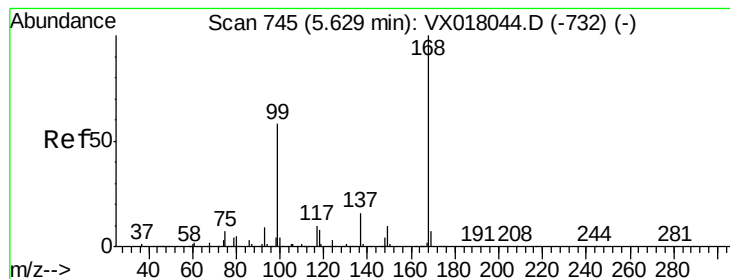
Manual Integrations
APPROVED

MMDadoda
9/17/2020 11:27:14 AM

Quant Time: Sep 16 15:17:57 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 21 03:03:56 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	126508	19.631	ug/l	98
94) Hexachlorobutadiene	13.76	225	58730	23.105	ug/l	97
95) Naphthalene	13.82	128	370233	17.457	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	124753	19.592	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX018433.D

Acq: 16 Sep 2020 12:00

Instrument :

MSVOA_X

ClientSampleId :

VX0916MBS01

Tot Ion:168 Resp: 407908

Ion Ratio Lower Upper

168 100

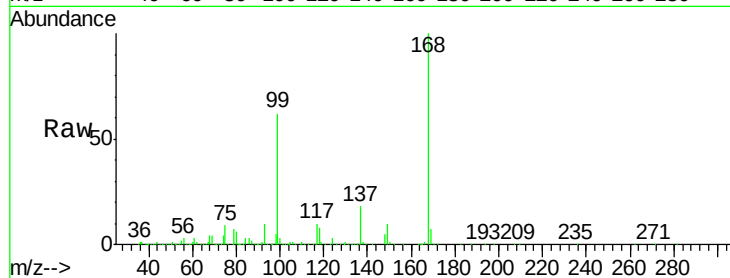
99 62.3 46.3 69.5

Manual Integrations

APPROVED

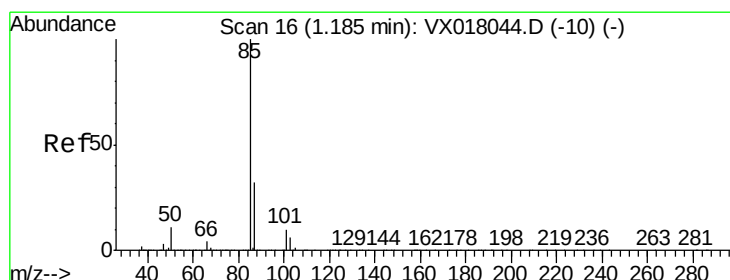
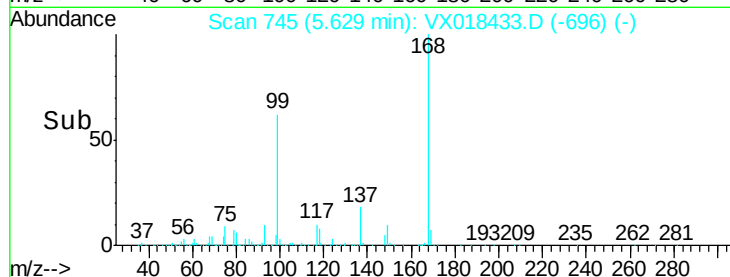
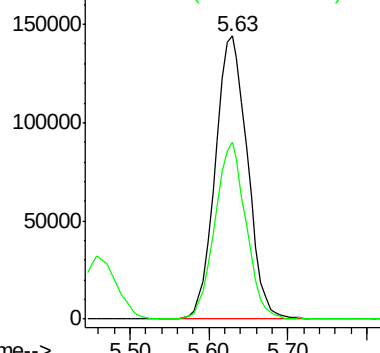
MMDadoda

9/17/2020 11:27:14 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 16.989 ug/l

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX018433.D

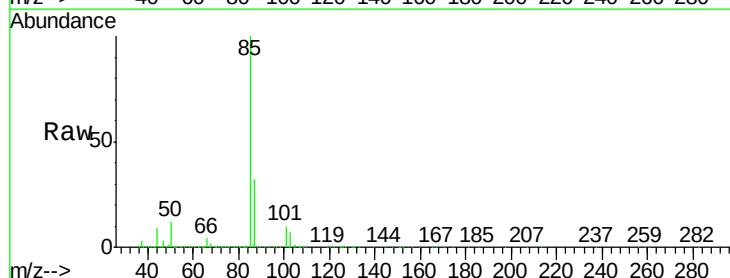
Acq: 16 Sep 2020 12:00

Tgt Ion: 85 Resp: 84374

Ion Ratio Lower Upper

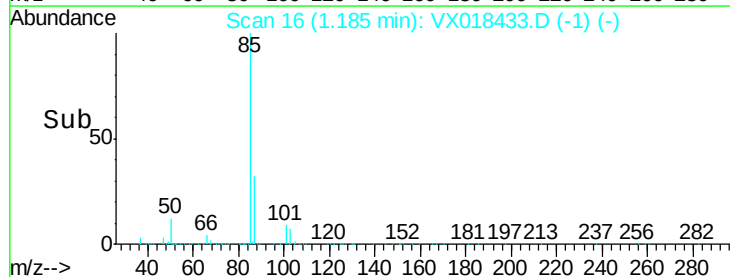
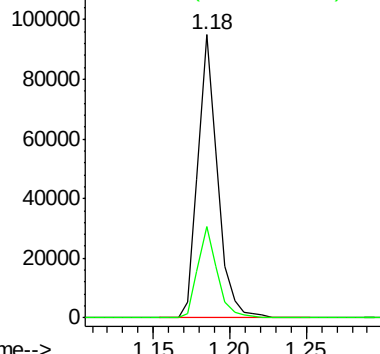
85 100

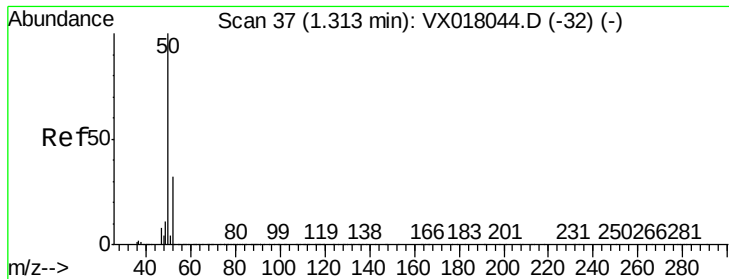
87 32.1 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 15.742 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX018433.D

Acq: 16 Sep 2020 12:00

Instrument :

MSVOA_X

ClientSampleId :

VX0916MBS01

Tot Ion: 50 Resp: 82425

Ion Ratio Lower Upper

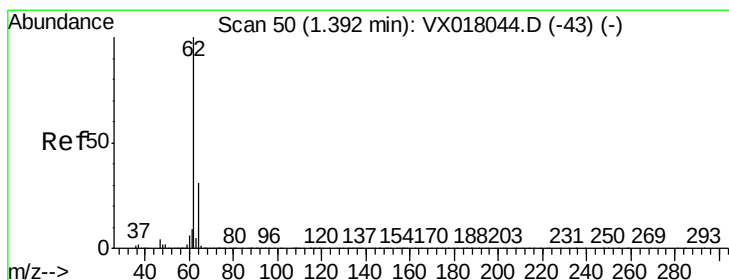
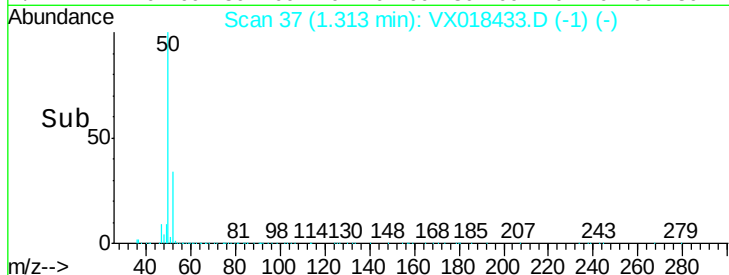
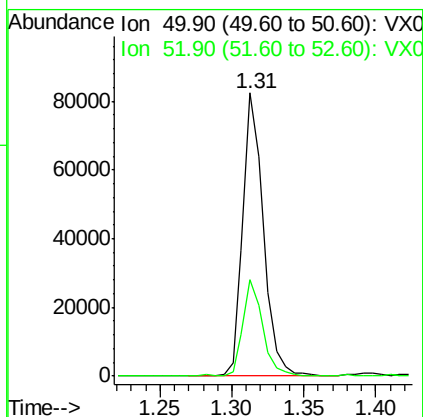
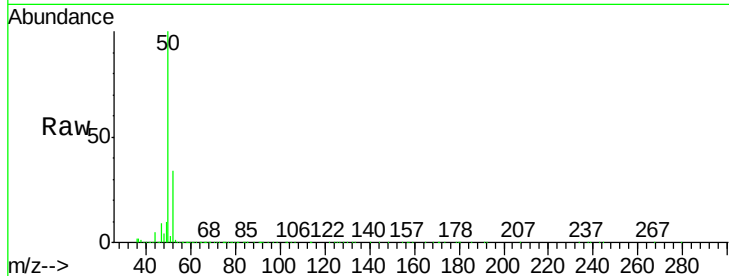
50 100

52 34.2 25.4 38.2

Manual Integrations
APPROVED

MMDadoda

9/17/2020 11:27:14 AM



#4

Vinyl Chloride

Concen: 15.925 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX018433.D

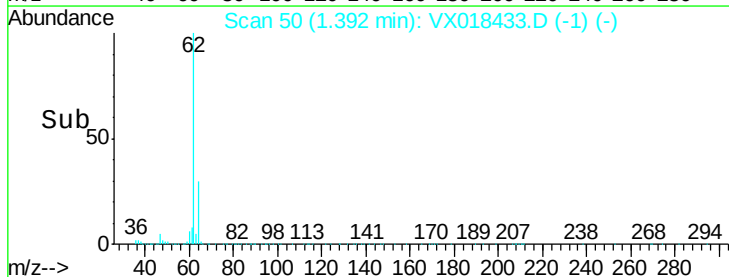
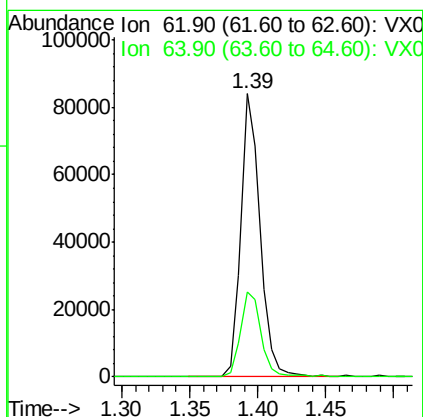
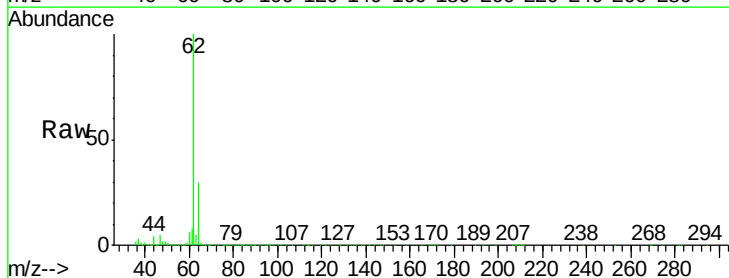
Acq: 16 Sep 2020 12:00

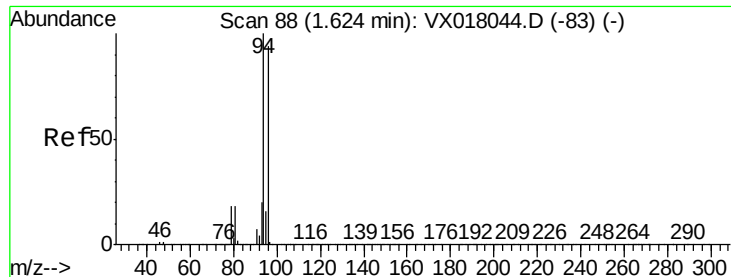
Tgt Ion: 62 Resp: 83006

Ion Ratio Lower Upper

62 100

64 29.7 25.1 37.7





#5

Bromomethane

Concen: 23.627 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX018433.D

Acq: 16 Sep 2020 12:00

Instrument :

MSVOA_X

ClientSampleId :

VX0916MBS01

Tot Ion: 94 Resp: 59399

Ion Ratio Lower Upper

94 100

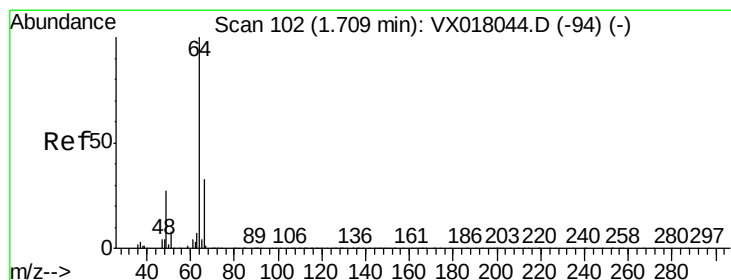
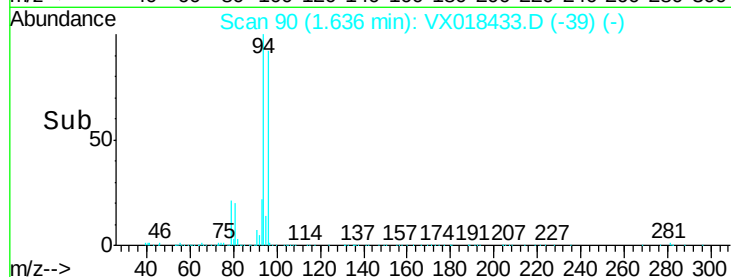
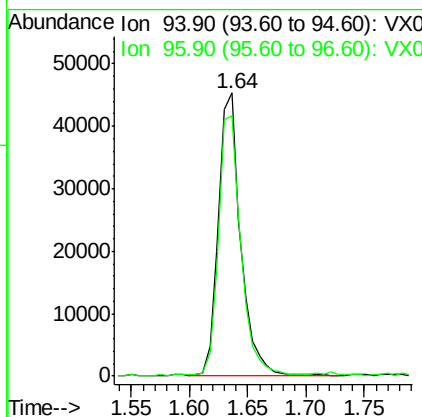
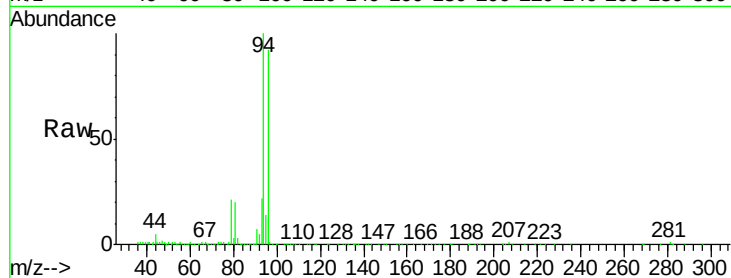
96 91.7 74.8 112.2

Manual Integrations

APPROVED

MMDadoda

9/17/2020 11:27:14 AM



#6

Chloroethane

Concen: 18.479 ug/l

RT: 1.72 min Scan# 103

Delta R.T. 0.01 min

Lab File: VX018433.D

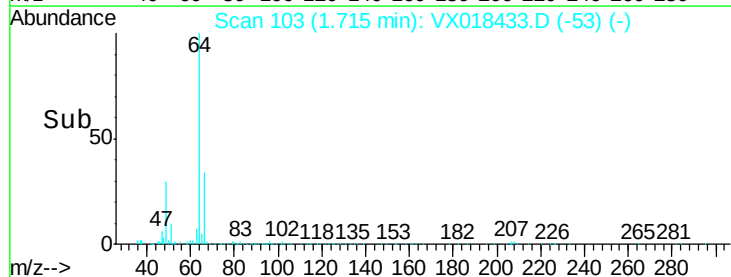
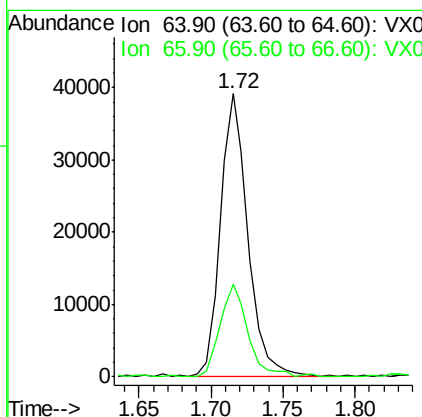
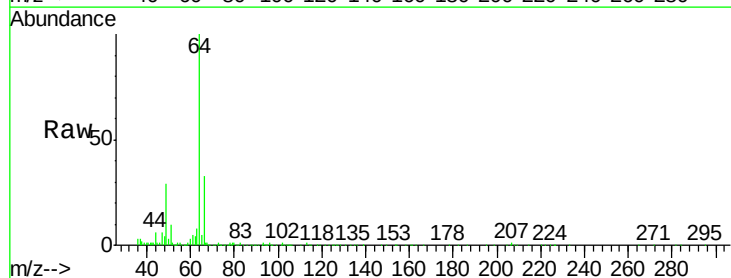
Acq: 16 Sep 2020 12:00

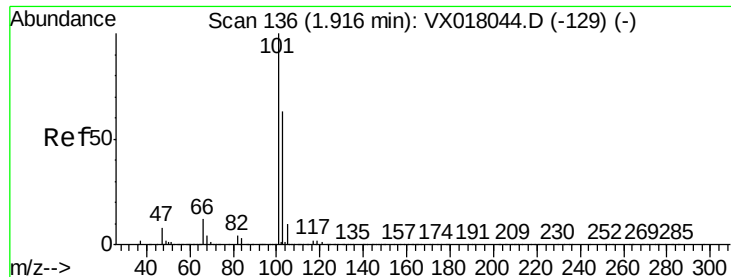
Tgt Ion: 64 Resp: 51732

Ion Ratio Lower Upper

64 100

66 32.5 26.6 39.8





#7

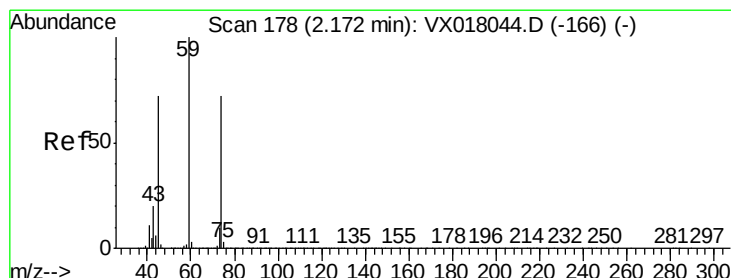
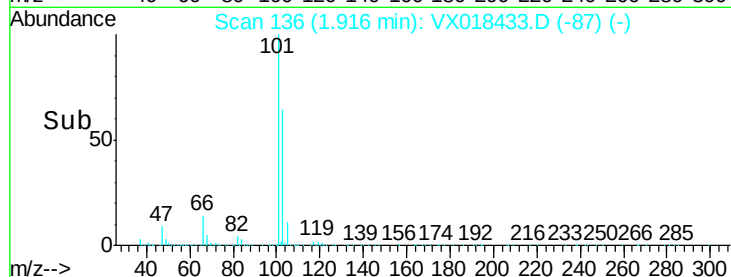
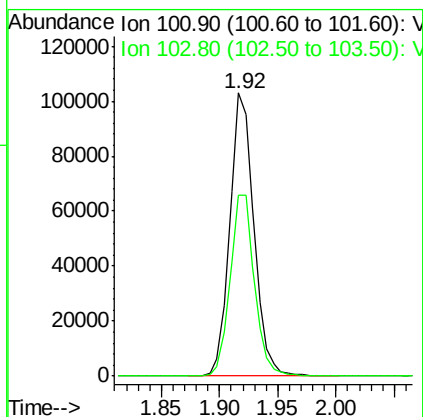
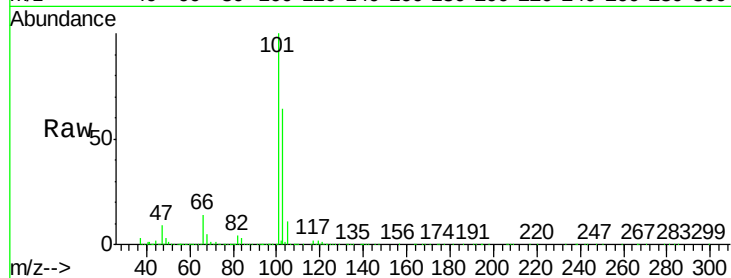
Trichlorofluoromethane
Concen: 20.865 ug/l
RT: 1.92 min Scan# 136
Delta R.T. -0.00 min
Lab File: VX018433.D
Acq: 16 Sep 2020 12:00

Instrument :
MSVOA_X
ClientSampleId :
VX0916MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.8	50.7	76.1

Manual Integrations
APPROVED

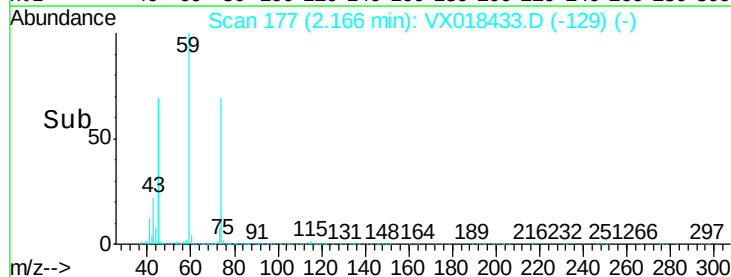
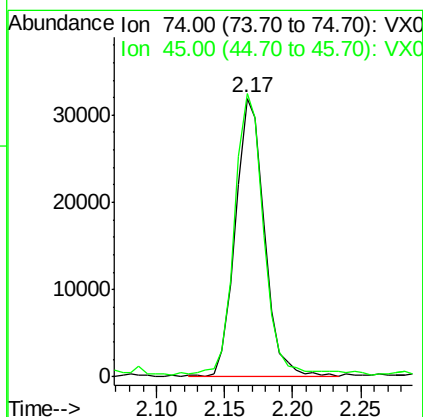
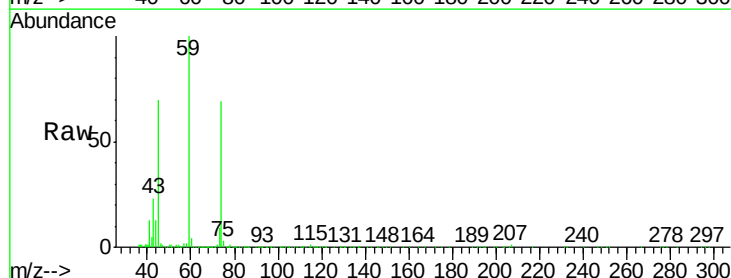
MMDadoda
9/17/2020 11:27:14 AM

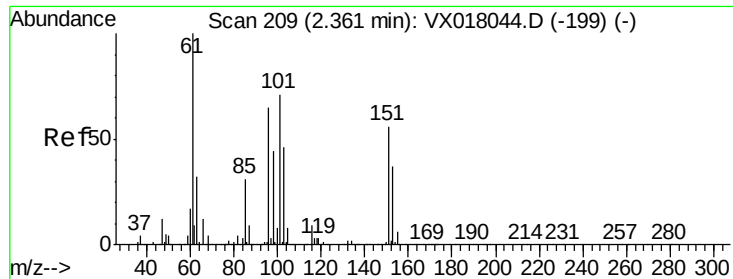


#8

Diethyl Ether
Concen: 19.642 ug/l
RT: 2.17 min Scan# 177
Delta R.T. -0.01 min
Lab File: VX018433.D
Acq: 16 Sep 2020 12:00

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.8	50.7	152.3





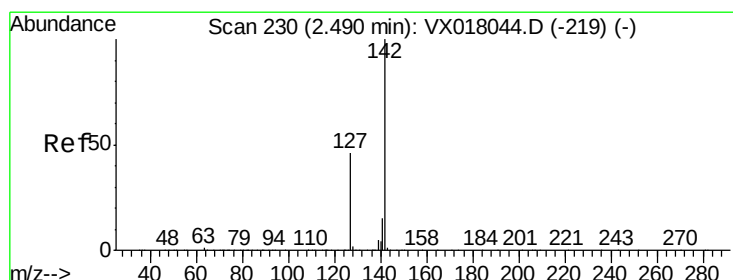
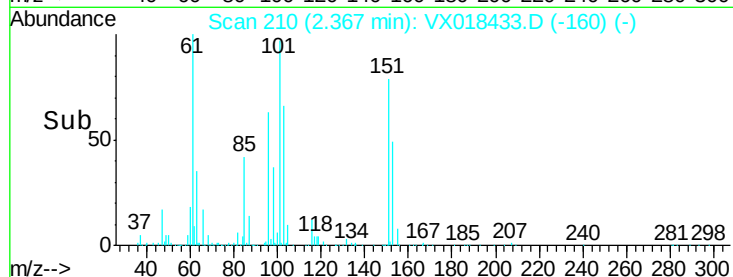
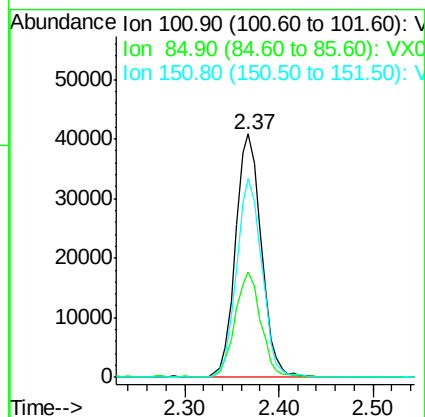
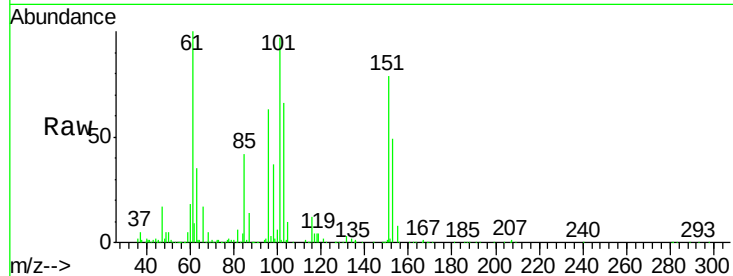
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.325 ug/l
 RT: 2.37 min Scan# 210
 Delta R.T. 0.01 min
 Lab File: VX018433.D
 Acq: 16 Sep 2020 12:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0916MBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	78094		
85	43.3		34.0	51.0
151	80.4		65.2	97.8

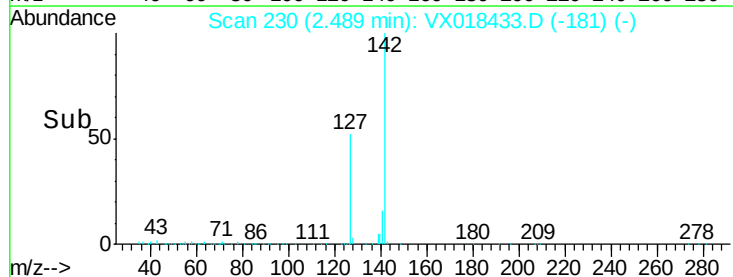
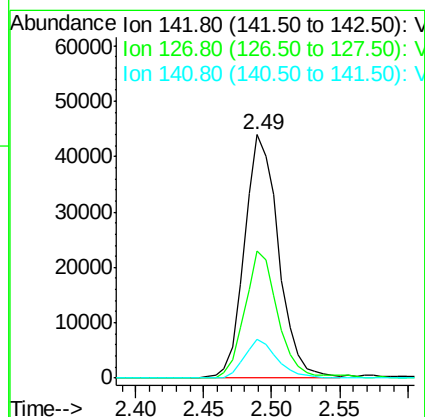
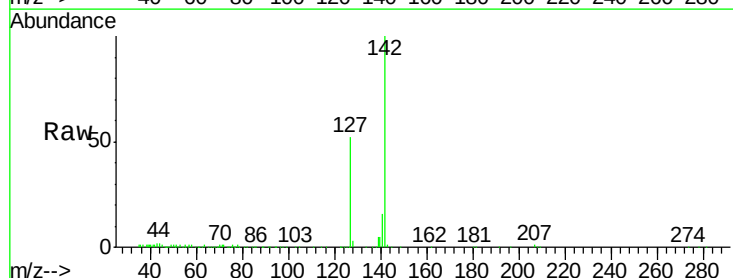
Manual Integrations
 APPROVED

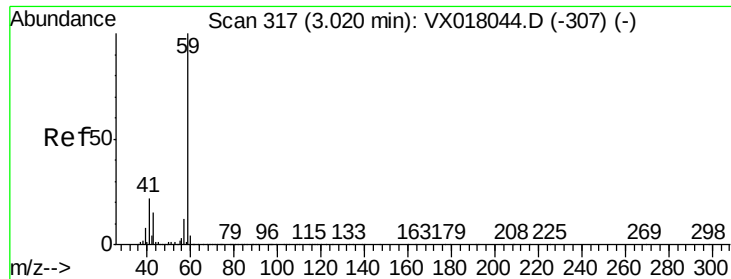
MMDadoda
 9/17/2020 11:27:14 AM



#10
 Methyl Iodide
 Concen: 22.066 ug/l
 RT: 2.49 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VX018433.D
 Acq: 16 Sep 2020 12:00

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	77136		
127	51.2		37.0	55.6
141	15.6		11.5	17.3





#11

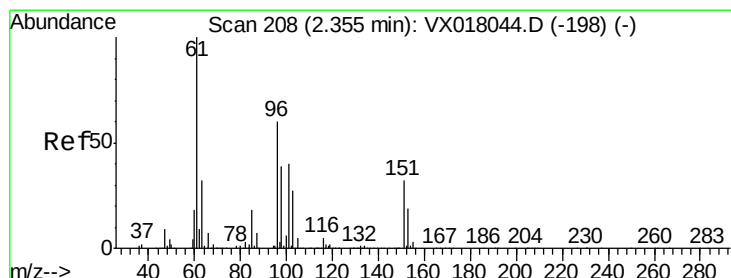
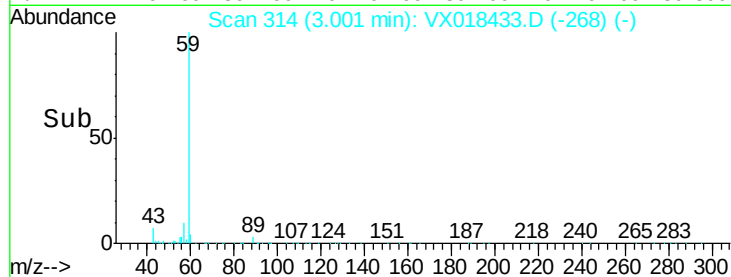
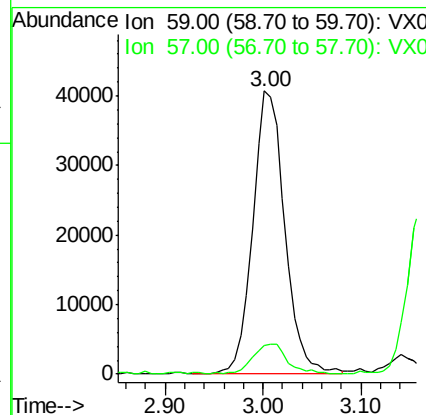
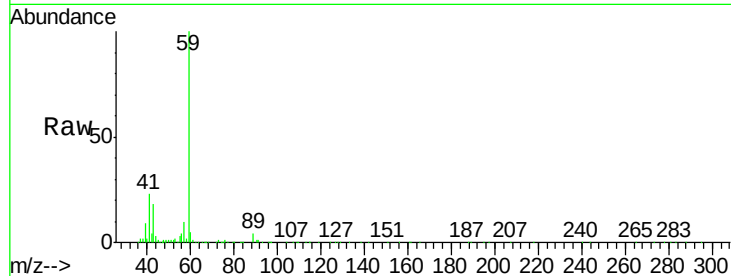
Tert butyl alcohol
Concen: 84.037 ug/l
RT: 3.00 min Scan# 314
Delta R.T. -0.02 min
Lab File: VX018433.D
Acq: 16 Sep 2020 12:00

Instrument :
MSVOA_X
ClientSampleId :
VX0916MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.3	8.9	13.3

Manual Integrations
APPROVED

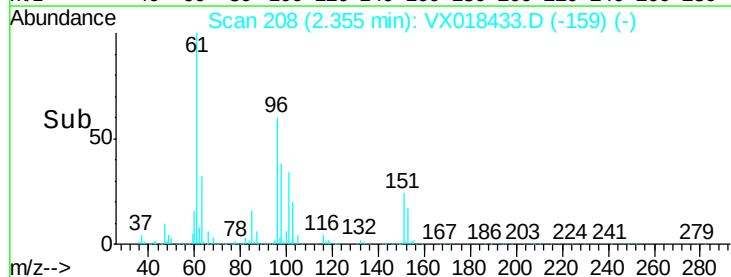
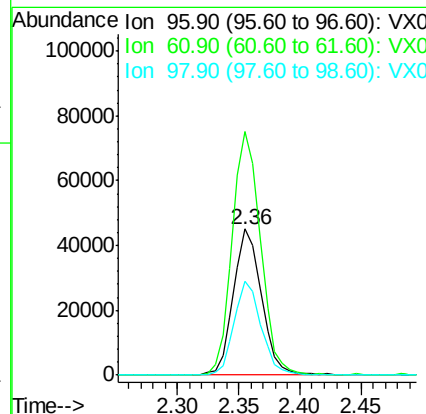
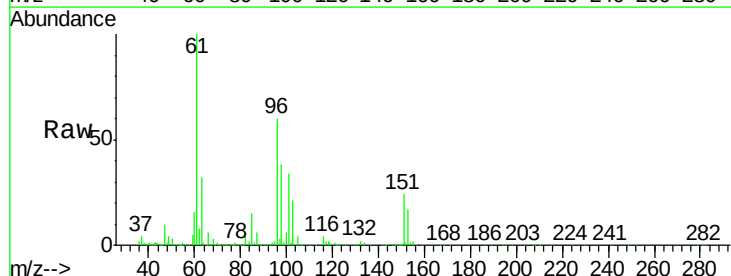
MMDadoda
9/17/2020 11:27:14 AM

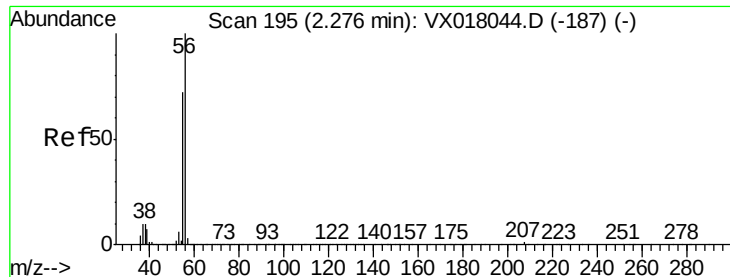


#12

1,1-Dichloroethene
Concen: 18.006 ug/l
RT: 2.36 min Scan# 208
Delta R.T. -0.00 min
Lab File: VX018433.D
Acq: 16 Sep 2020 12:00

Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.0	133.0	199.4
98	63.9	51.6	77.4





#13

Acrolein

Concen: 77.992 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.01 min

Lab File: VX018433.D

Acq: 16 Sep 2020 12:00

Instrument :

MSVOA_X

ClientSampleId :

VX0916MBS01

Tot Ion: 56 Resp: 35607

Ion Ratio Lower Upper

56 100

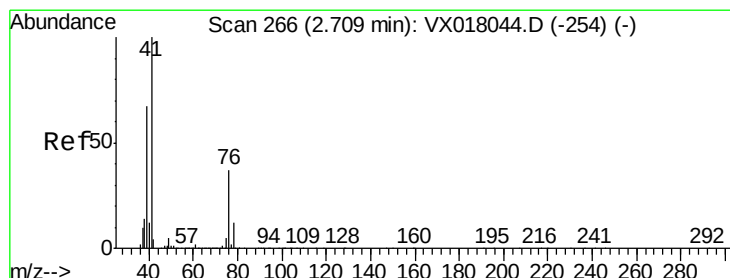
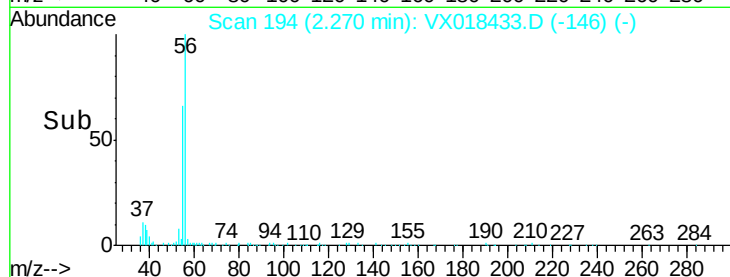
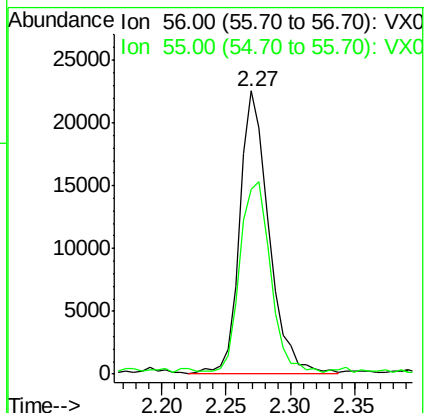
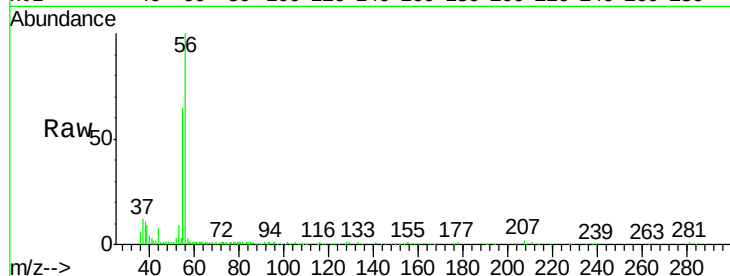
55 68.8 57.0 85.6

Manual Integrations

APPROVED

MMDadoda

9/17/2020 11:27:14 AM



#14

Allyl chloride

Concen: 18.185 ug/l

RT: 2.71 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX018433.D

Acq: 16 Sep 2020 12:00

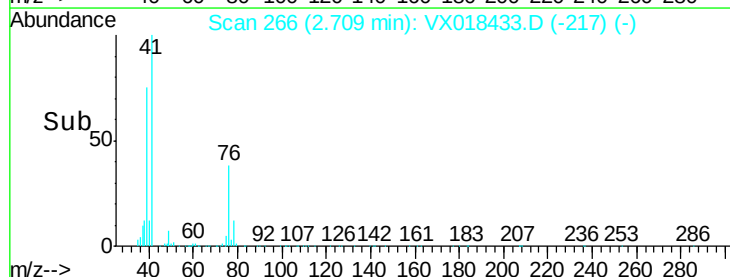
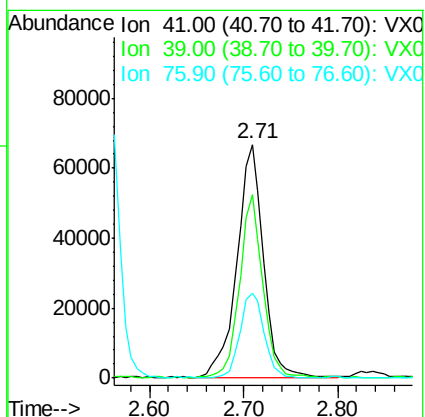
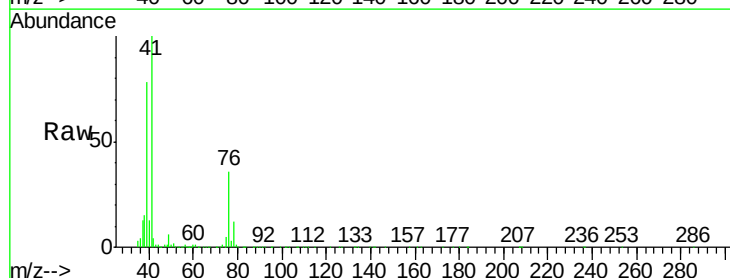
Tgt Ion: 41 Resp: 130239

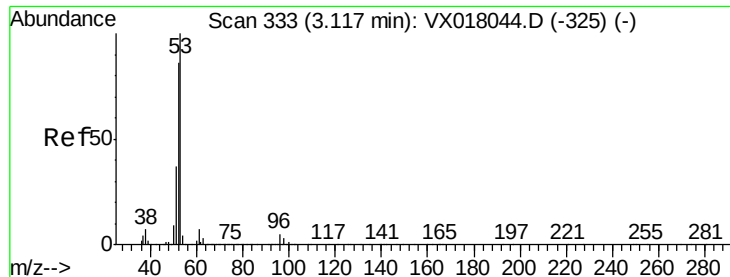
Ion Ratio Lower Upper

41 100

39 68.8 50.6 76.0

76 33.6 26.2 39.2





#15

Acrylonitrile

Concen: 88.793 ug/l

RT: 3.11 min Scan# 332

Delta R.T. -0.01 min

Lab File: VX018433.D

Acq: 16 Sep 2020 12:00

Instrument :

MSVOA_X

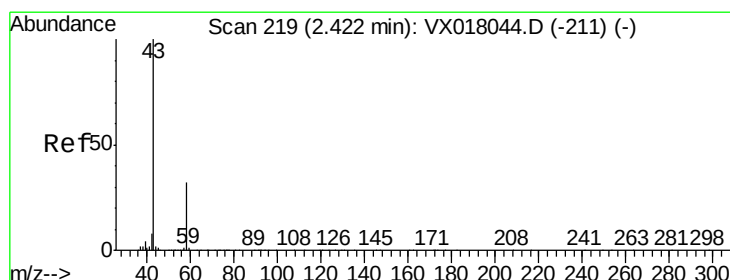
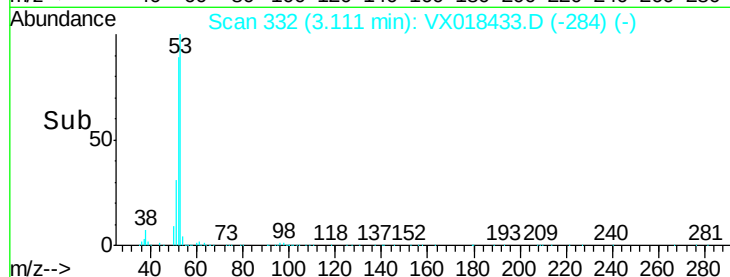
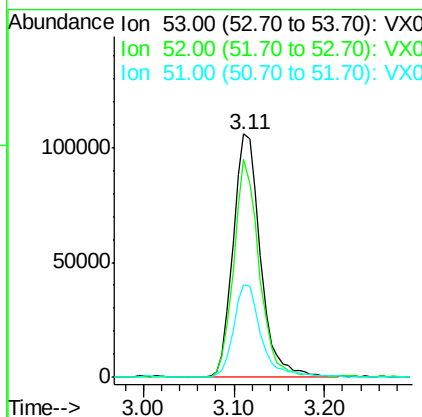
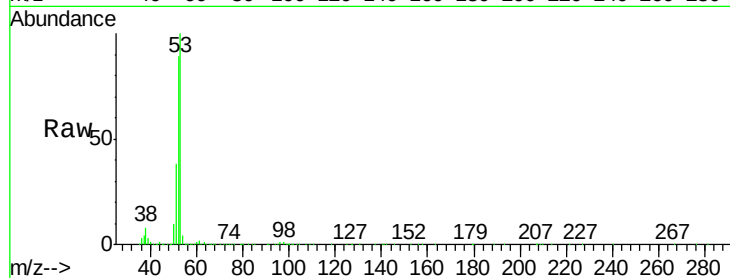
ClientSampleId :

VX0916MBS01

Tot Ion:	53	Resp:	221770
Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.9	100.3
51	38.2	28.7	43.1

Manual Integrations
APPROVED

MMDadoda
9/17/2020 11:27:14 AM



#16

Acetone

Concen: 90.134 ug/l

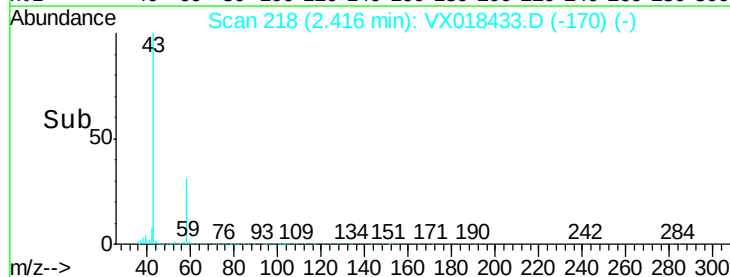
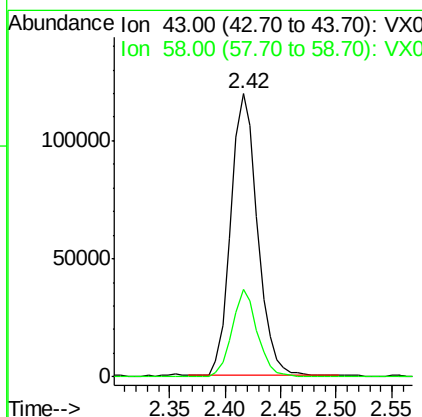
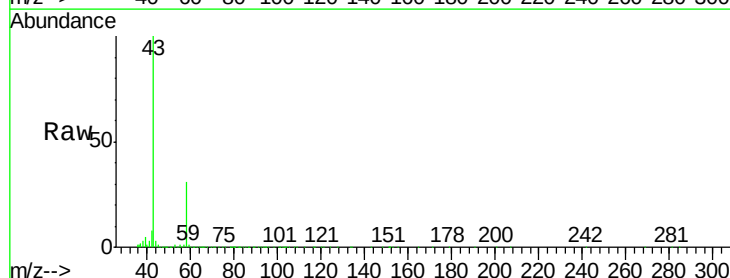
RT: 2.42 min Scan# 218

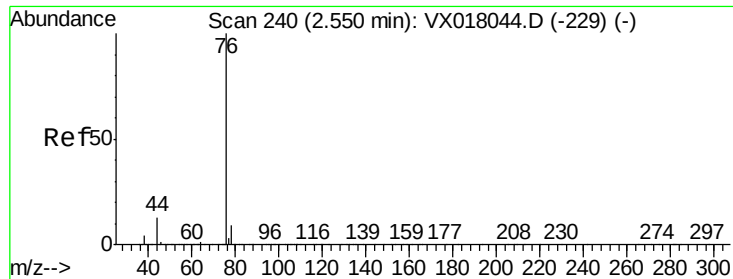
Delta R.T. -0.01 min

Lab File: VX018433.D

Acq: 16 Sep 2020 12:00

Tgt Ion:	43	Resp:	198887
Ion	Ratio	Lower	Upper
43	100		
58	31.0	25.5	38.3





#17

Carbon Disulfide

Concen: 15.492 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX018433.D

Acq: 16 Sep 2020 12:00

Instrument :

MSVOA_X

ClientSampleId :

VX0916MBS01

Tot Ion: 76 Resp: 186682

Ion Ratio Lower Upper

76 100

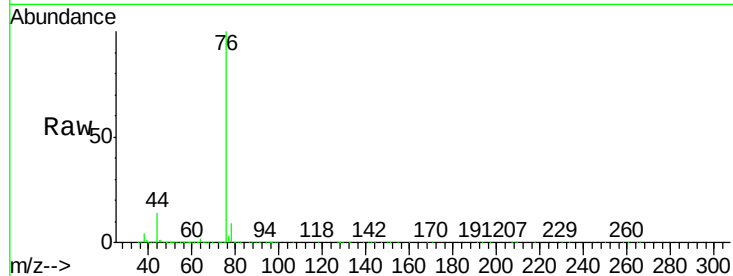
78 8.9 7.4 11.0

Manual Integrations

APPROVED

MMDadoda

9/17/2020 11:27:14 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

120000

100000

80000

60000

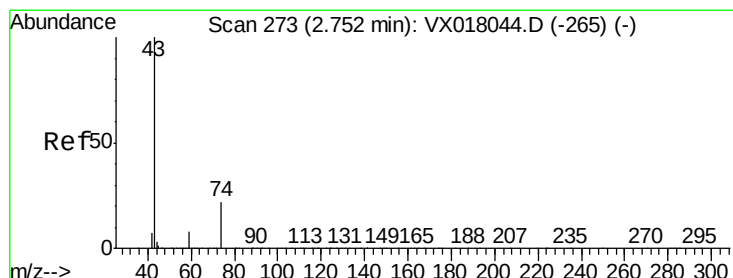
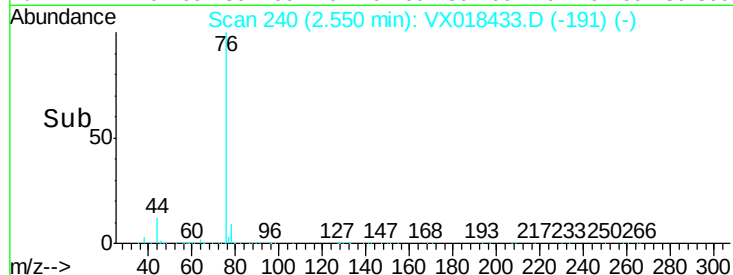
40000

20000

0

2.45 2.50 2.55 2.60 2.65

Time-->



#18

Methyl Acetate

Concen: 22.680 ug/l

RT: 2.75 min Scan# 272

Delta R.T. -0.01 min

Lab File: VX018433.D

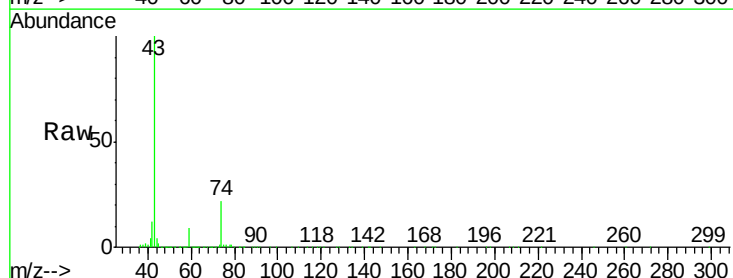
Acq: 16 Sep 2020 12:00

Tgt Ion: 43 Resp: 120764

Ion Ratio Lower Upper

43 100

74 22.6 18.2 27.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

60000

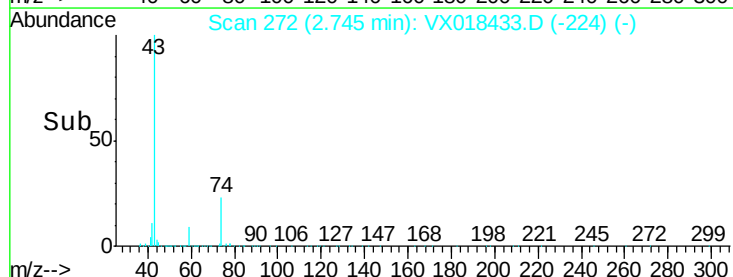
40000

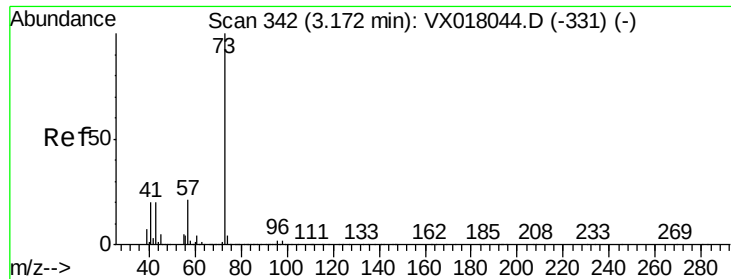
20000

0

2.65 2.70 2.75 2.80 2.85

Time-->





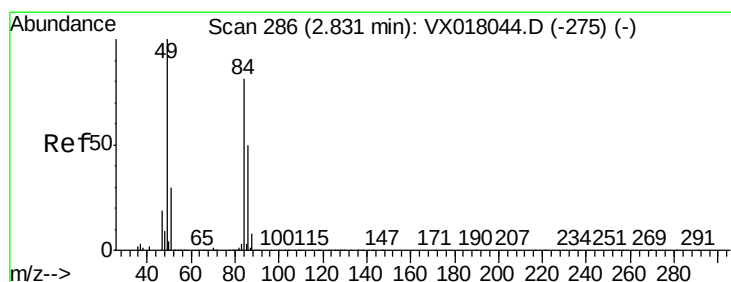
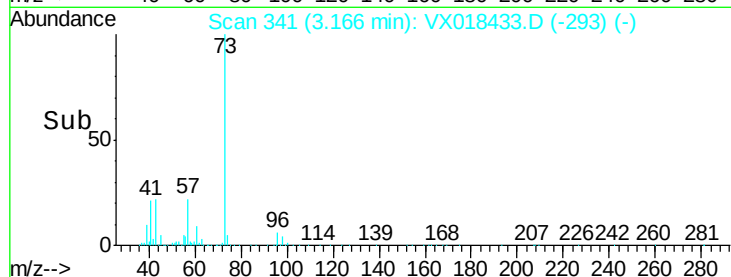
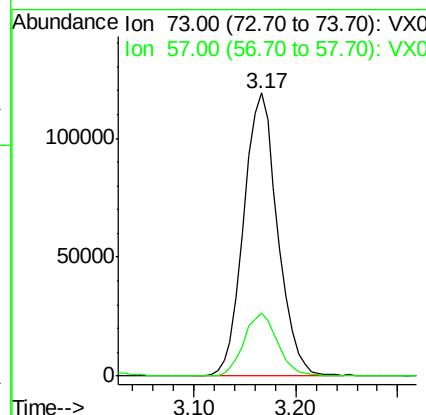
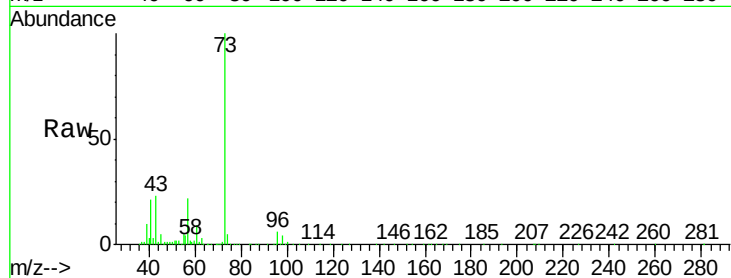
#19
Methyl tert-butyl Ether
Concen: 20.069 ug/l
RT: 3.17 min Scan# 341
Delta R.T. -0.01 min
Lab File: VX018433.D
Acq: 16 Sep 2020 12:00

Instrument :
MSVOA_X
ClientSampleId :
VX0916MBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.9	16.8	25.2

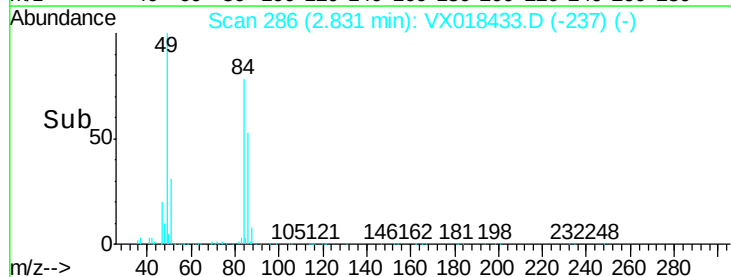
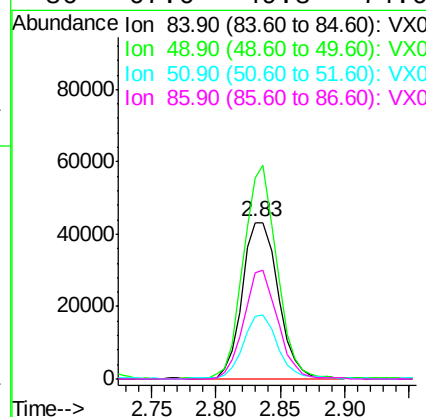
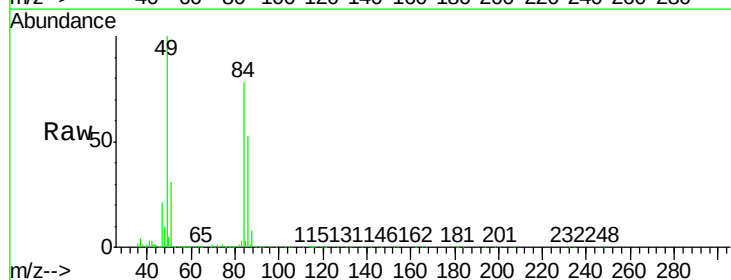
Manual Integrations
APPROVED

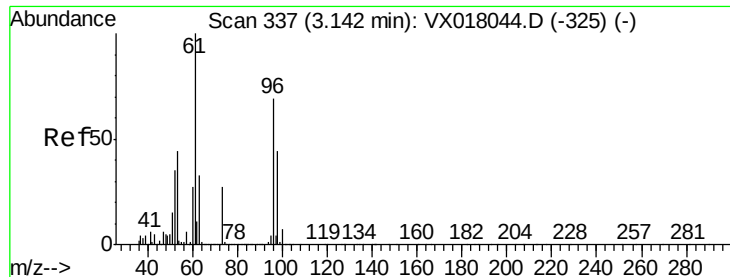
MMDadoda
9/17/2020 11:27:14 AM



#20
Methylene Chloride
Concen: 17.916 ug/l
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX018433.D
Acq: 16 Sep 2020 12:00

Tgt Ion	Ratio	Lower	Upper
84	100		
49	127.8	98.6	148.0
51	39.9	29.6	44.4
86	67.6	49.8	74.6





#21

trans-1,2-Dichloroethene

Concen: 17.703 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX018433.D

Acq: 16 Sep 2020 12:00

Instrument :

MSVOA_X

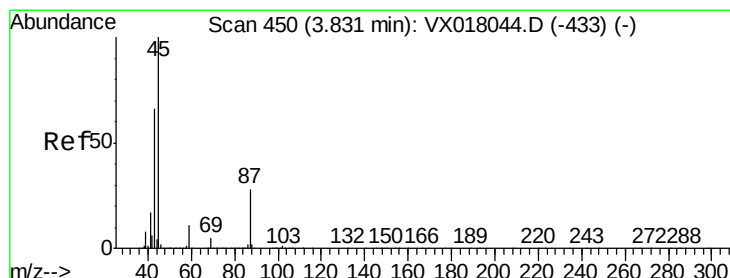
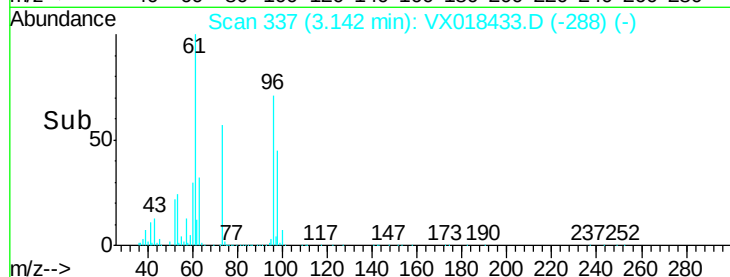
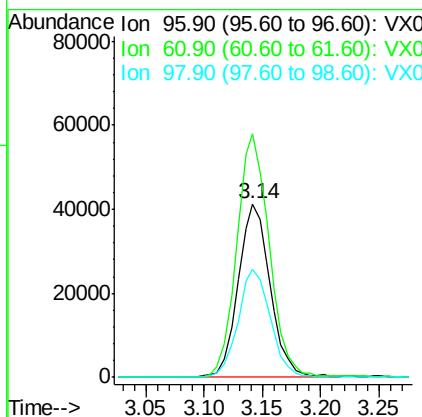
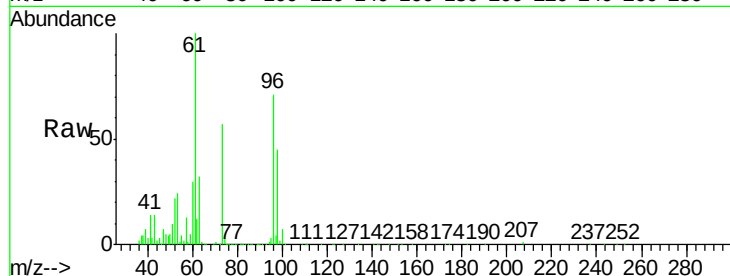
ClientSampleId :

VX0916MBS01

Tot Ion:	96	Resp:	78186
Ion Ratio	Lower	Upper	
96	100		
61	139.9	115.4	173.0
98	62.5	51.1	76.7

Manual Integrations
APPROVED

MMDadoda
9/17/2020 11:27:14 AM



#22

Diisopropyl ether

Concen: 19.445 ug/l

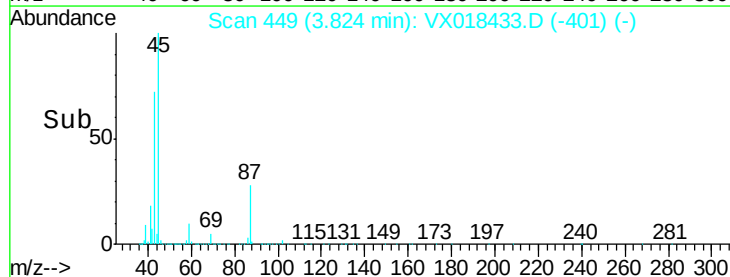
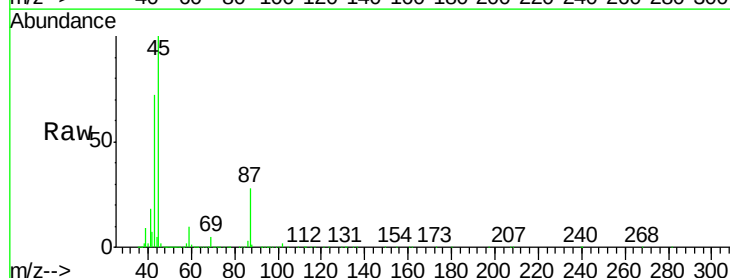
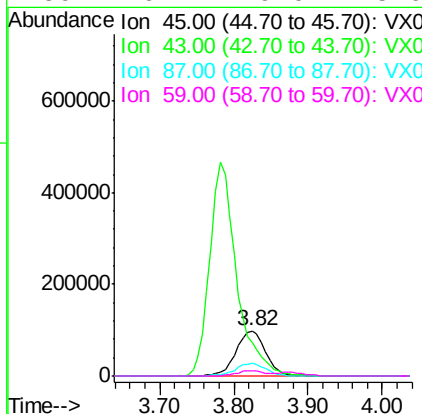
RT: 3.82 min Scan# 449

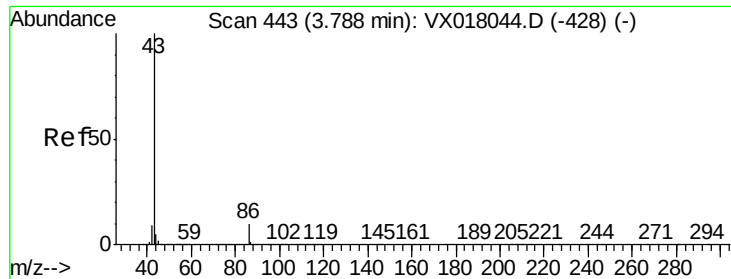
Delta R.T. -0.01 min

Lab File: VX018433.D

Acq: 16 Sep 2020 12:00

Tgt Ion:	45	Resp:	274860
Ion Ratio	Lower	Upper	
45	100		
43	71.2	52.8	79.2
87	28.1	22.5	33.7
59	10.1	9.0	13.6





#23

Vinyl Acetate

Concen: 93.379 ug/l

RT: 3.78 min Scan# 442

Delta R.T. -0.01 min

Lab File: VX018433.D

Acq: 16 Sep 2020 12:00

Instrument :

MSVOA_X

ClientSampleId :

VX0916MBS01

Tot Ion: 43 Resp: 1174502

Ion Ratio Lower Upper

43 100

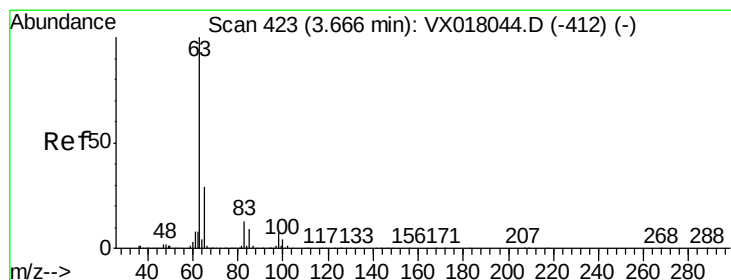
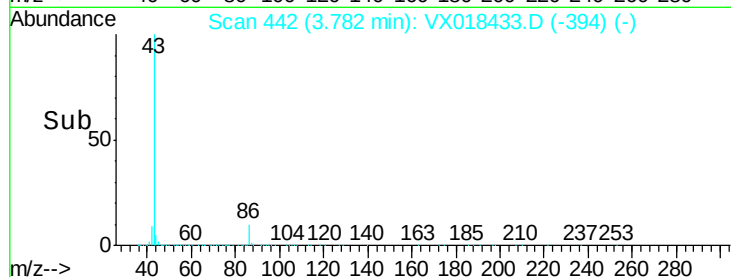
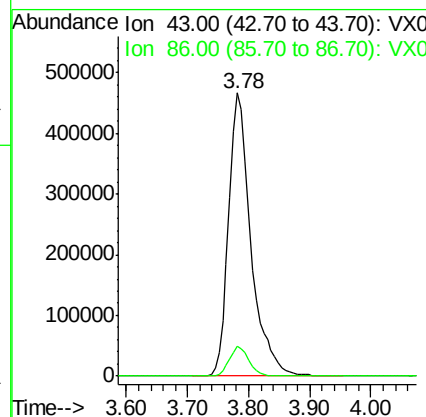
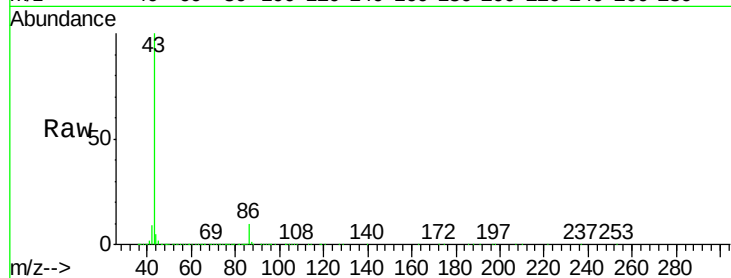
86 10.4 7.9 11.9

Manual Integrations

APPROVED

MMDadoda

9/17/2020 11:27:14 AM



#24

1,1-Dichloroethane

Concen: 18.813 ug/l

RT: 3.67 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX018433.D

Acq: 16 Sep 2020 12:00

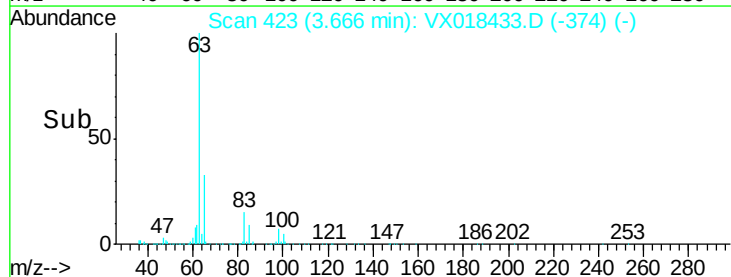
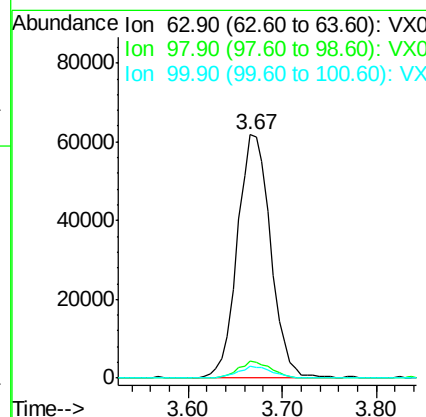
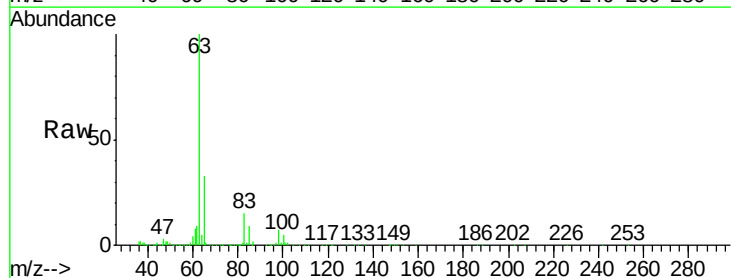
Tgt Ion: 63 Resp: 151379

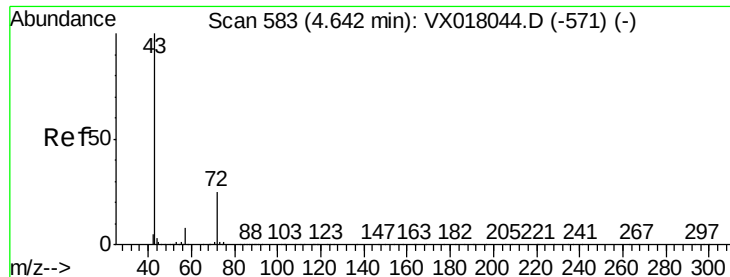
Ion Ratio Lower Upper

63 100

98 6.7 3.6 10.8

100 4.8 2.0 6.0





#25

2-Butanone

Concen: 85.874 ug/l

RT: 4.63 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX018433.D

Acq: 16 Sep 2020 12:00

Instrument :

MSVOA_X

ClientSampleId :

VX0916MBS01

Tot Ion: 43 Resp: 311415

Ion Ratio Lower Upper

43 100

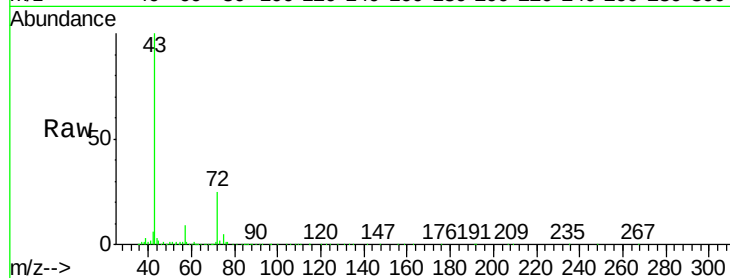
72 24.5 19.8 29.6

Manual Integrations

APPROVED

MMDadoda

9/17/2020 11:27:14 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

120000

100000

80000

60000

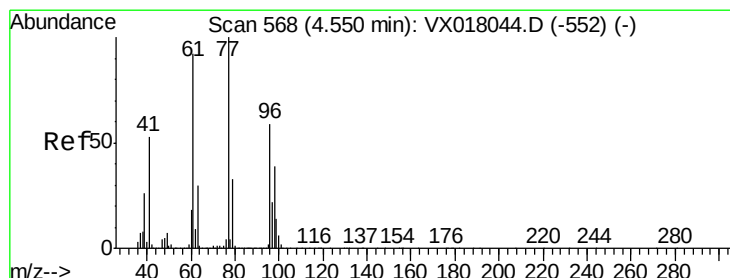
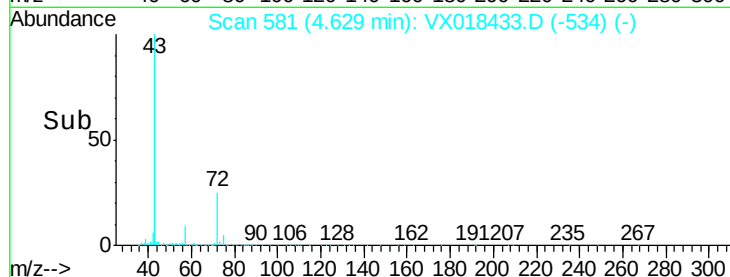
40000

20000

0

4.50 4.60 4.70

Time-->



#26

2,2-Dichloropropane

Concen: 21.612 ug/l

RT: 4.55 min Scan# 568

Delta R.T. -0.00 min

Lab File: VX018433.D

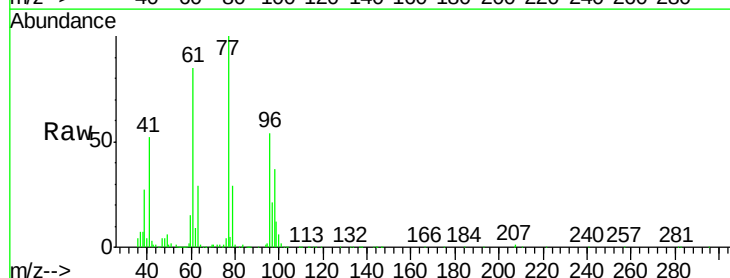
Acq: 16 Sep 2020 12:00

Tgt Ion: 77 Resp: 141491

Ion Ratio Lower Upper

77 100

97 21.8 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

50000

40000

30000

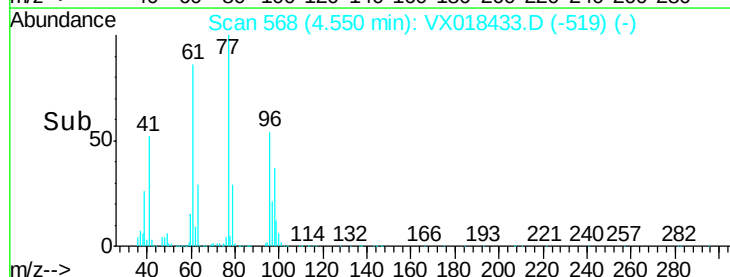
20000

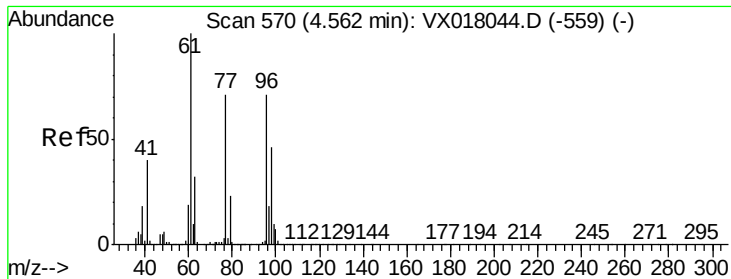
10000

0

4.40 4.50 4.60 4.70

Time-->





#27

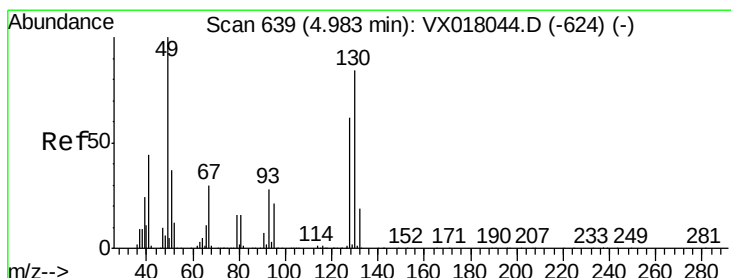
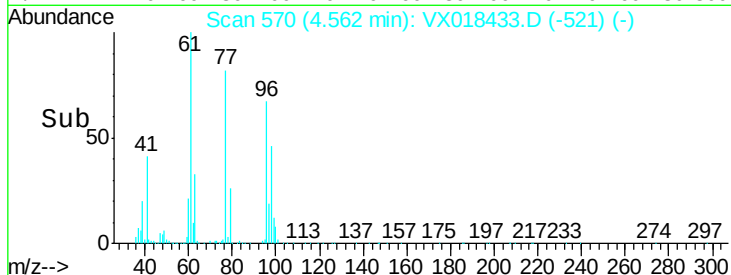
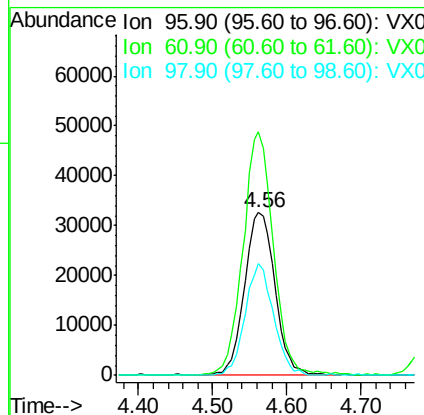
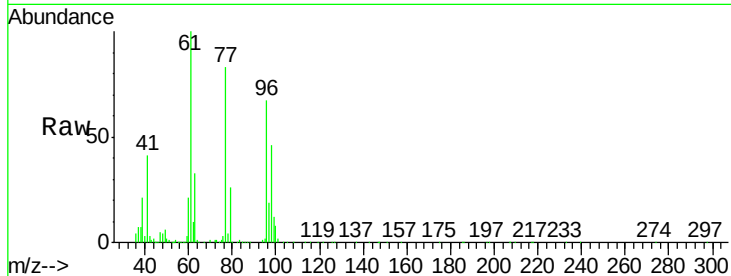
cis-1,2-Dichloroethene
Concen: 18.364 ug/l
RT: 4.56 min Scan# 570
Delta R.T. -0.00 min
Lab File: VX018433.D
Acq: 16 Sep 2020 12:00

Instrument :
MSVOA_X
ClientSampleId :
VX0916MBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	148.6		0.0	296.6
98	64.4		0.0	130.2

Manual Integrations
APPROVED

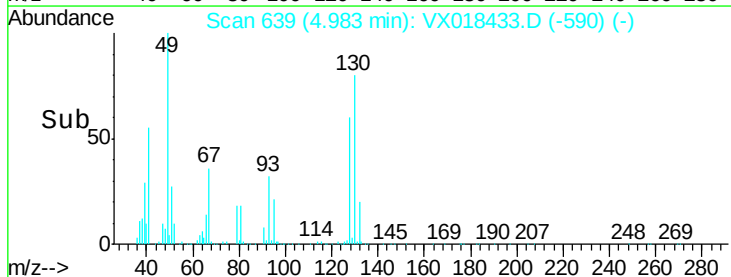
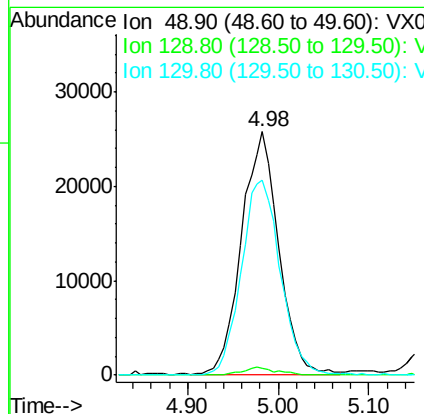
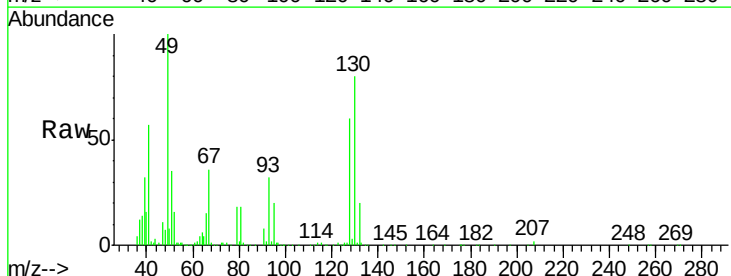
MMDadoda
9/17/2020 11:27:14 AM

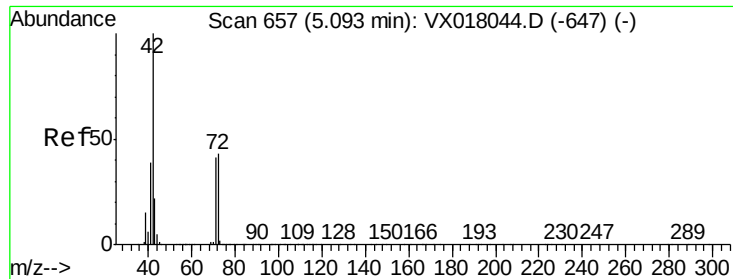


#28

Bromochloromethane
Concen: 18.753 ug/l
RT: 4.98 min Scan# 639
Delta R.T. -0.00 min
Lab File: VX018433.D
Acq: 16 Sep 2020 12:00

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	3.0		0.0	4.6
130	84.9		64.6	96.8





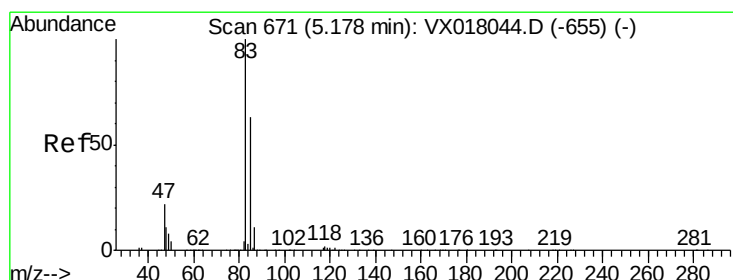
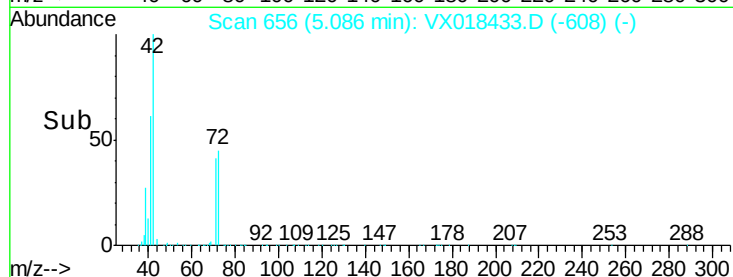
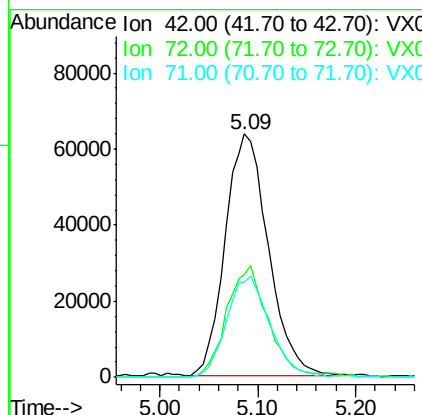
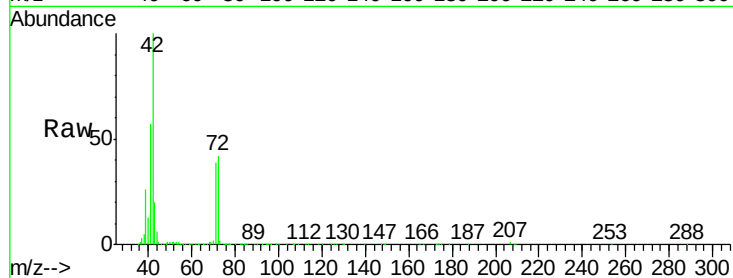
#29
Tetrahydrofuran
Concen: 83.791 ug/l
RT: 5.09 min Scan# 656
Delta R.T. -0.01 min
Lab File: VX018433.D
Acq: 16 Sep 2020 12:00

Instrument :
MSVOA_X
ClientSampleId :
VX0916MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.2	34.2	51.4
71	42.2	32.1	48.1

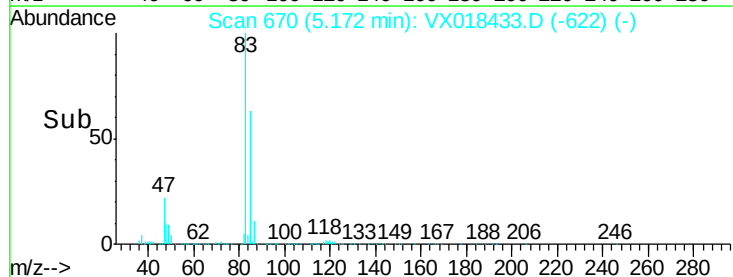
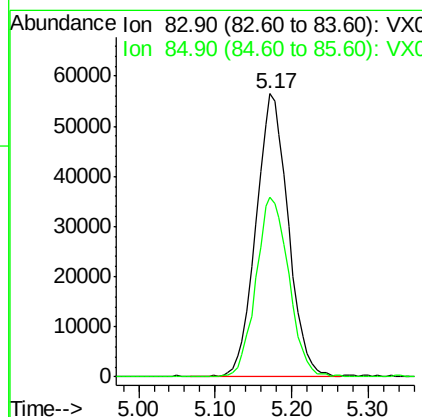
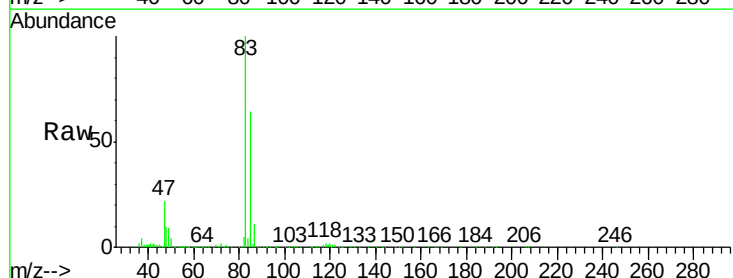
Manual Integrations
APPROVED

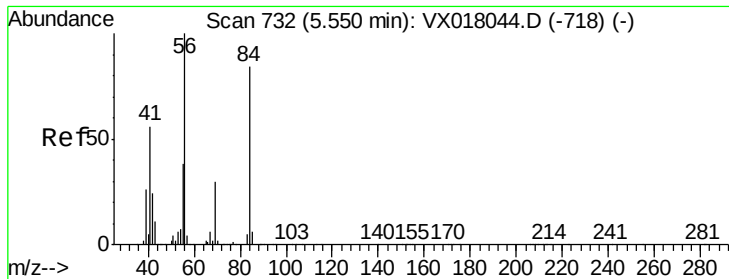
MMDadoda
9/17/2020 11:27:14 AM



#30
Chloroform
Concen: 19.980 ug/l
RT: 5.17 min Scan# 670
Delta R.T. -0.01 min
Lab File: VX018433.D
Acq: 16 Sep 2020 12:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	50.7	76.1





#31

Cyclohexane

Concen: 17.049 ug/l

RT: 5.56 min Scan# 733

Delta R.T. 0.01 min

Lab File: VX018433.D

Acq: 16 Sep 2020 12:00

Instrument :

MSVOA_X

ClientSampleId :

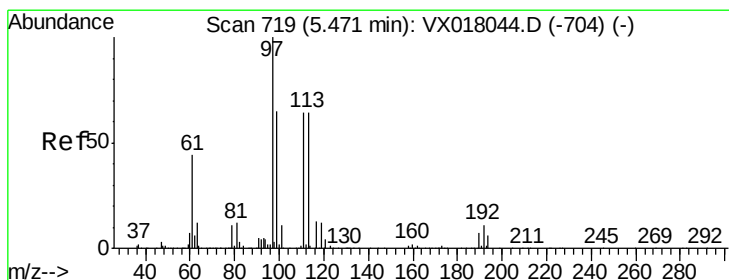
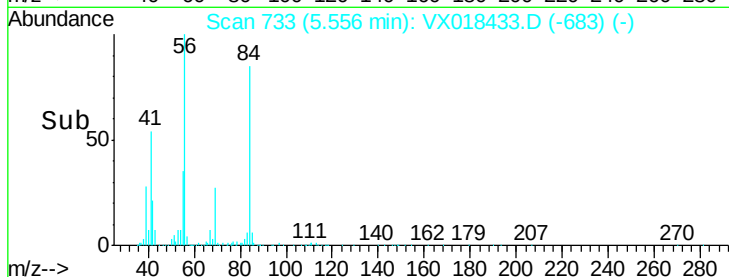
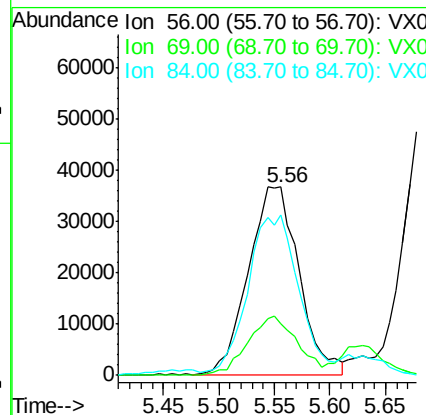
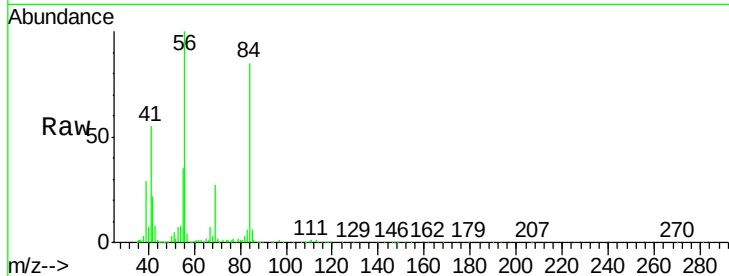
VX0916MBS01

Manual Integrations
APPROVED

MMDadoda

9/17/2020 11:27:14 AM

Tot Ion	56	Resp	115558
Ion	Ratio	Lower	Upper
56	100		
69	27.3	23.9	35.9
84	82.8	67.0	100.4



#32

1,1,1-Trichloroethane

Concen: 19.915 ug/l

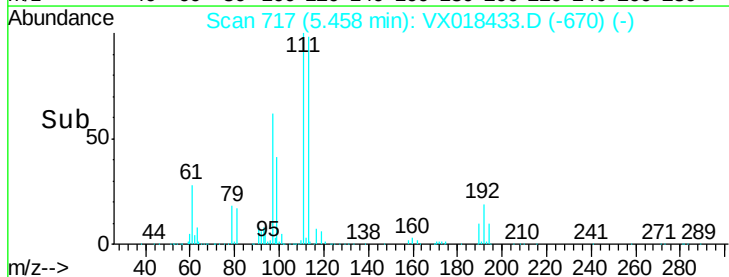
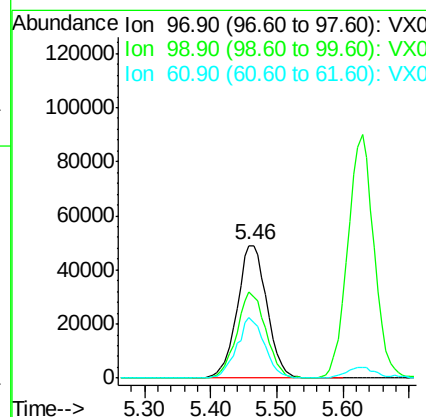
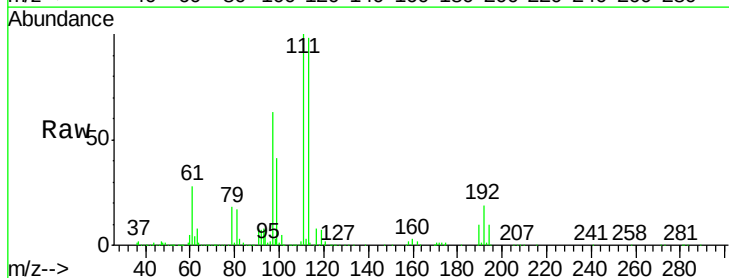
RT: 5.46 min Scan# 717

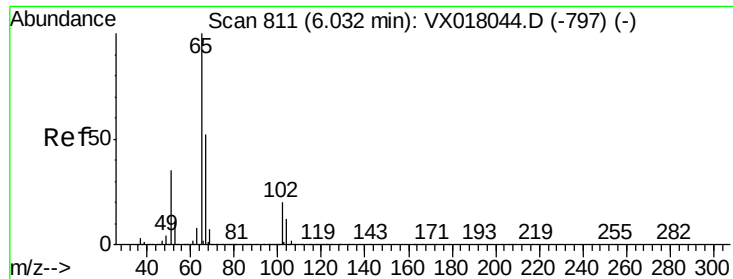
Delta R.T. -0.01 min

Lab File: VX018433.D

Acq: 16 Sep 2020 12:00

Tgt Ion	97	Resp	152271
Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.4	77.0
61	42.1	34.2	51.4





#33

1,2-Dichloroethane-d4

Concen: 51.044 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX018433.D

Acq: 16 Sep 2020 12:00

Instrument :

MSVOA_X

ClientSampleId :

VX0916MBS01

Tot Ion: 65 Resp: 289052

Ion Ratio Lower Upper

65 100

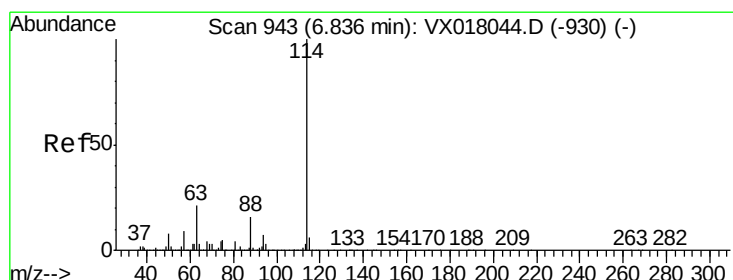
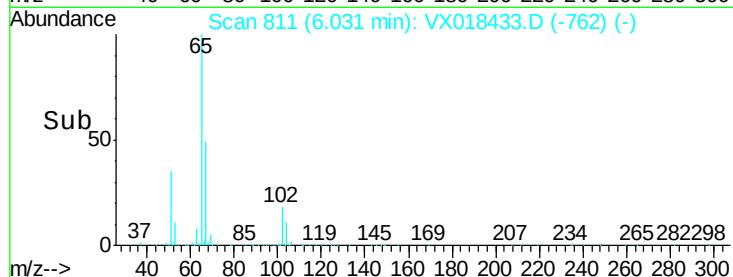
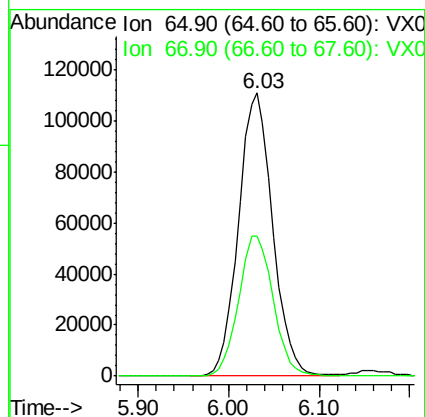
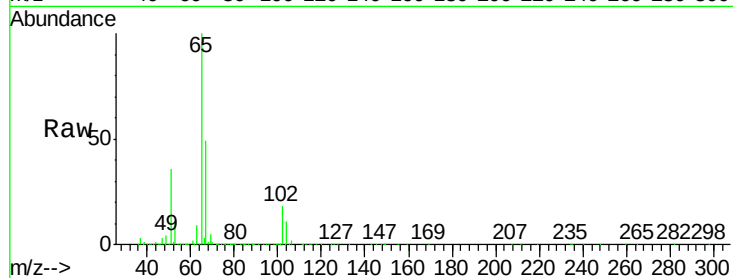
67 50.4 0.0 105.8

Manual Integrations

APPROVED

MMDadoda

9/17/2020 11:27:14 AM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.01 min

Lab File: VX018433.D

Acq: 16 Sep 2020 12:00

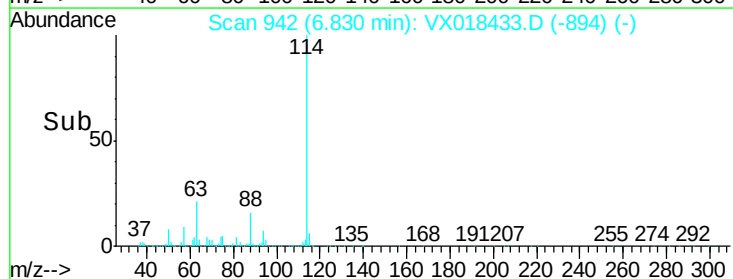
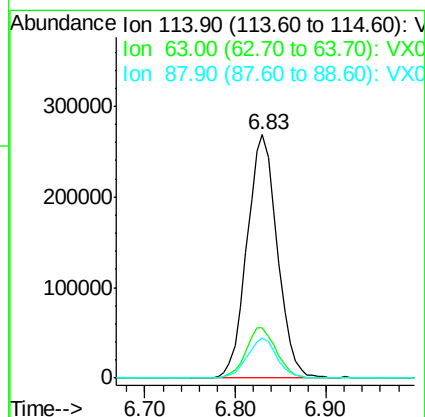
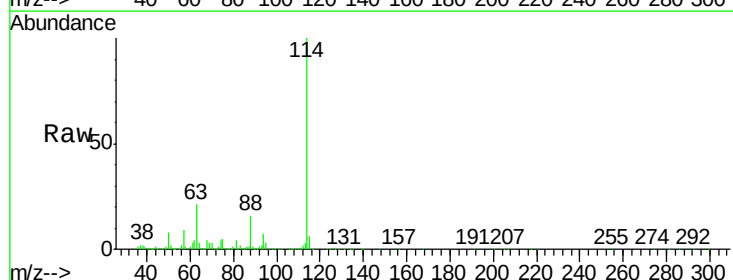
Tgt Ion: 114 Resp: 621325

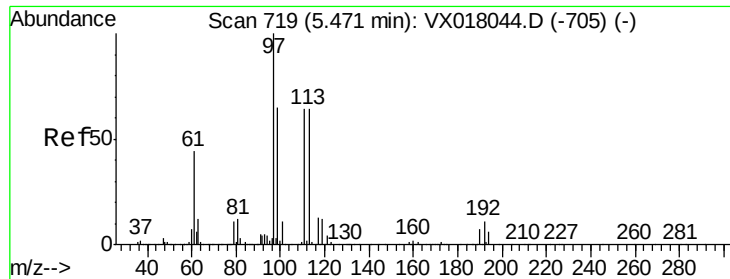
Ion Ratio Lower Upper

114 100

63 20.5 0.0 42.6

88 16.4 0.0 31.8





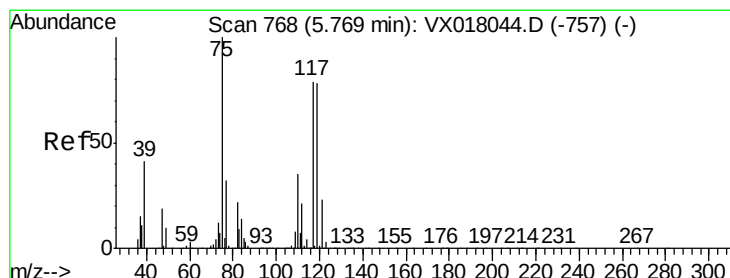
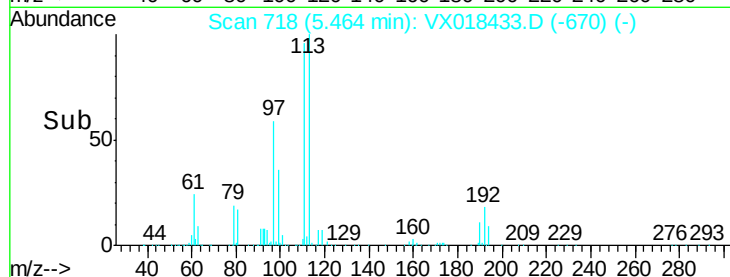
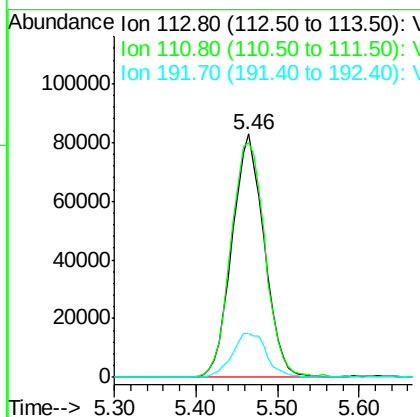
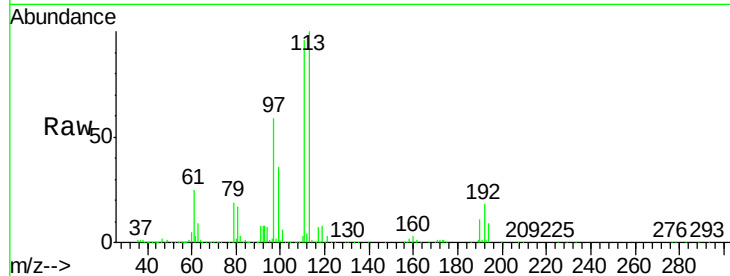
#35
 Dibromofluoromethane
 Concen: 53.614 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.01 min
 Lab File: VX018433.D
 Acq: 16 Sep 2020 12:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0916MBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	226869		
111	101.8	81.6	122.4	
192	19.5	15.8	23.8	

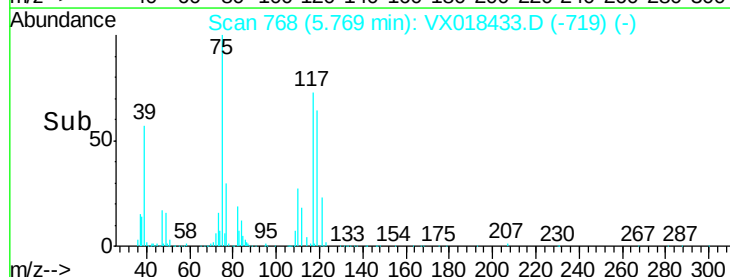
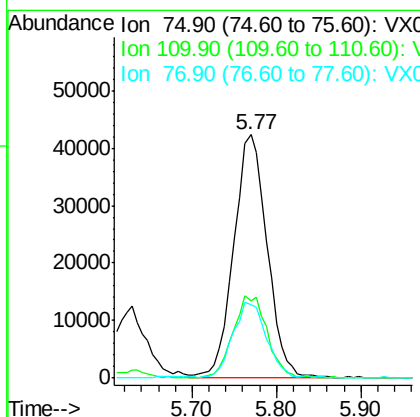
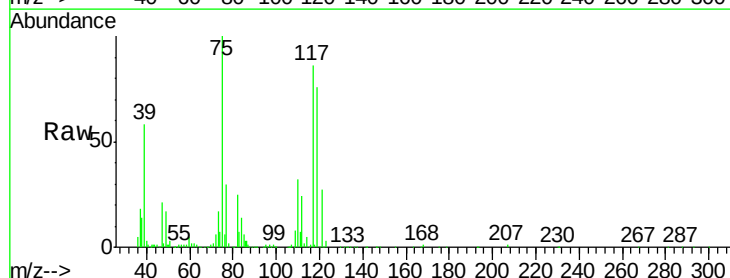
Manual Integrations
 APPROVED

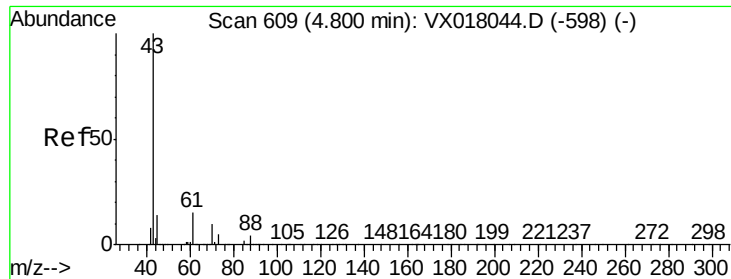
MMDadoda
 9/17/2020 11:27:14 AM



#36
 1,1-Dichloropropene
 Concen: 19.688 ug/l
 RT: 5.77 min Scan# 768
 Delta R.T. -0.00 min
 Lab File: VX018433.D
 Acq: 16 Sep 2020 12:00

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	112828		
110	34.9	18.0	54.0	
77	30.7	24.4	36.6	





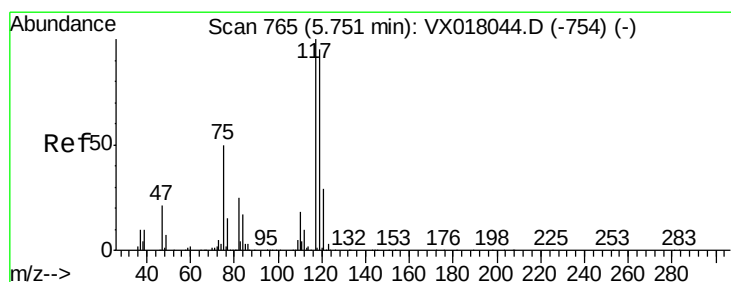
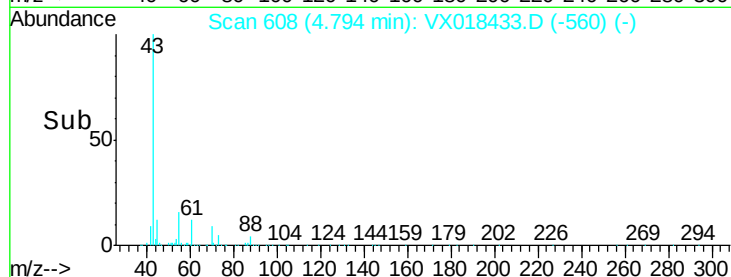
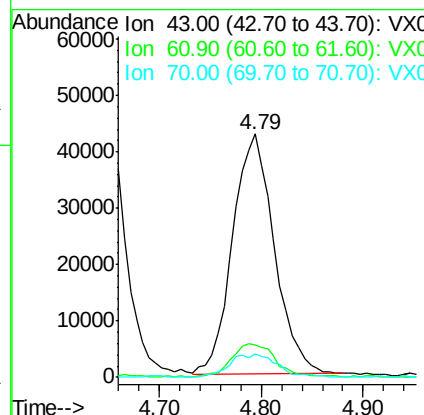
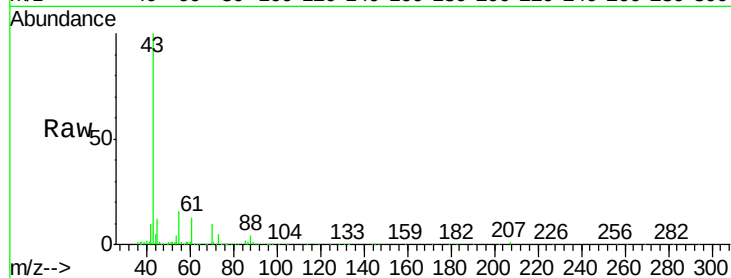
#37
Ethyl Acetate
Concen: 18.207 ug/l
RT: 4.79 min Scan# 608
Delta R.T. -0.01 min
Lab File: VX018433.D
Acq: 16 Sep 2020 12:00

Instrument :
MSVOA_X
ClientSampleId :
VX0916MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	11.3	16.9
70	5.0	8.2	12.4

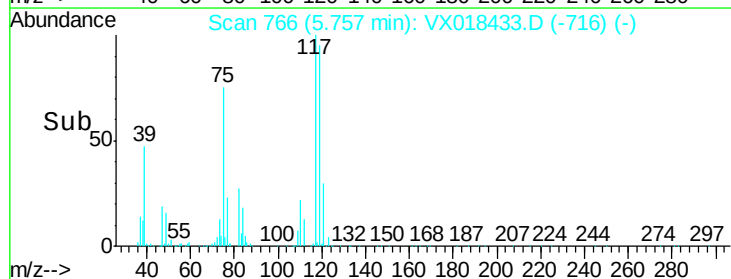
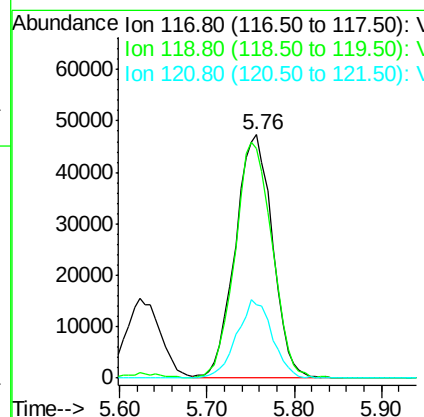
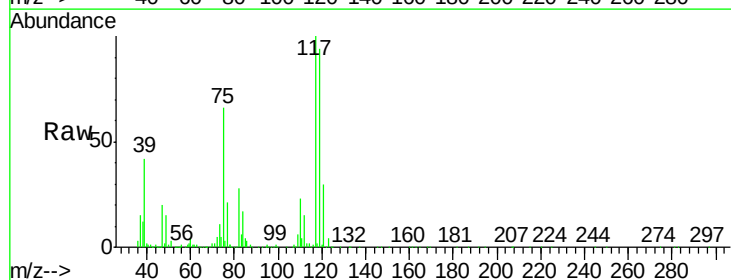
Manual Integrations
APPROVED

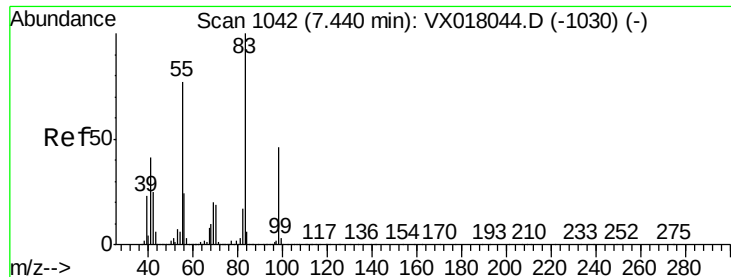
MMDadoda
9/17/2020 11:27:14 AM



#38
Carbon Tetrachloride
Concen: 21.686 ug/l
RT: 5.76 min Scan# 766
Delta R.T. 0.01 min
Lab File: VX018433.D
Acq: 16 Sep 2020 12:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.8	75.8	113.6
121	30.0	23.4	35.0





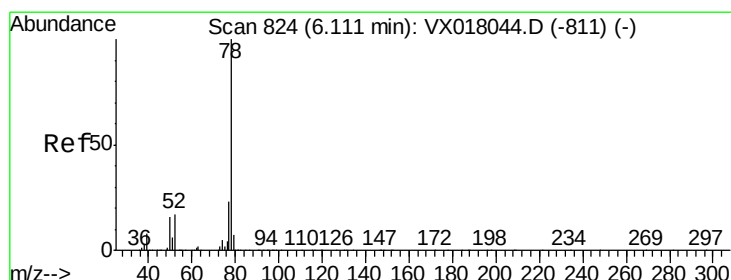
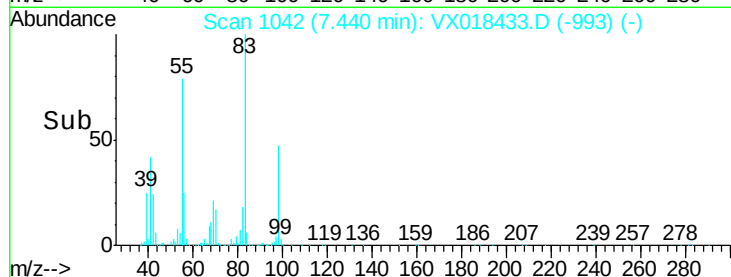
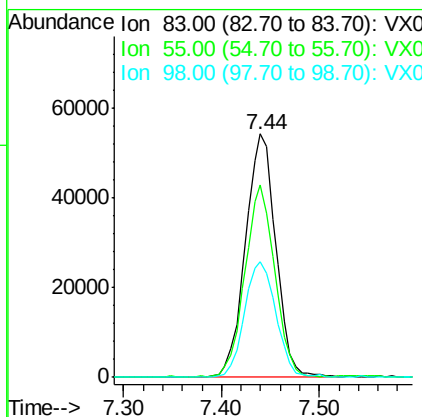
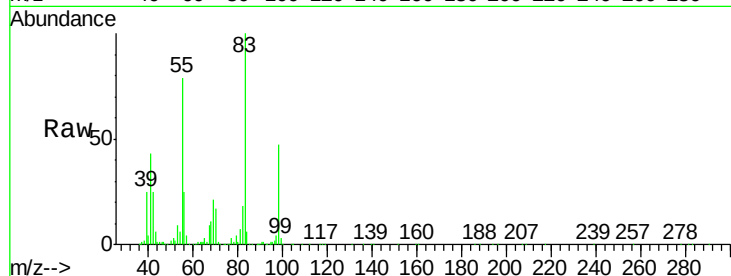
#39
Methylvlcyclohexane
Concen: 18.706 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VX018433.D
Acq: 16 Sep 2020 12:00

Instrument :
MSVOA_X
ClientSampleId :
VX0916MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.0	61.8	92.6
98	47.4	36.6	55.0

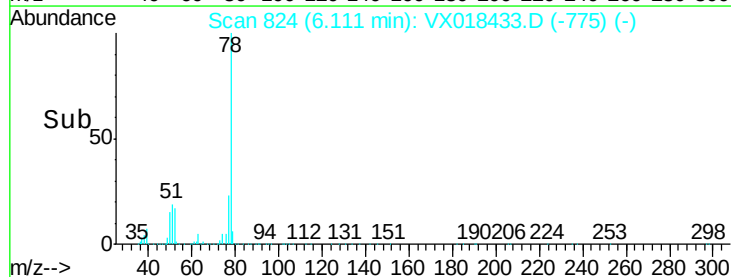
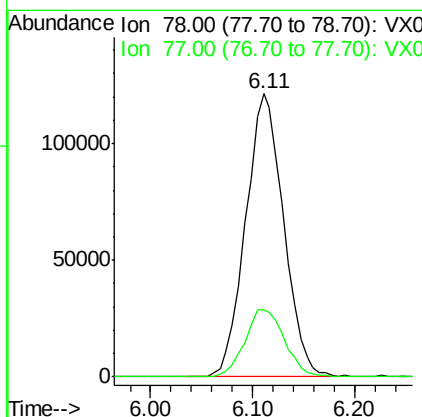
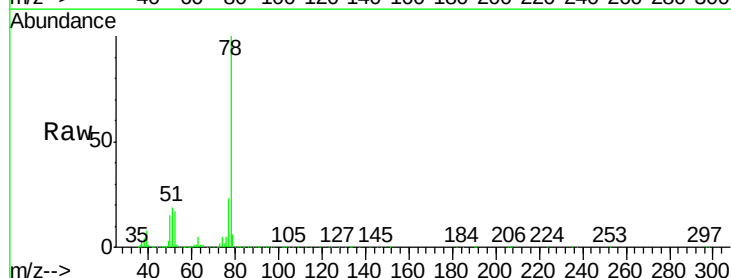
Manual Integrations
APPROVED

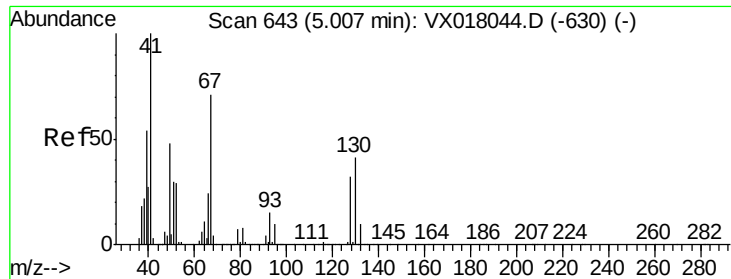
MMDadoda
9/17/2020 11:27:14 AM



#40
Benzene
Concen: 18.638 ug/l
RT: 6.11 min Scan# 824
Delta R.T. -0.00 min
Lab File: VX018433.D
Acq: 16 Sep 2020 12:00

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.2	27.2





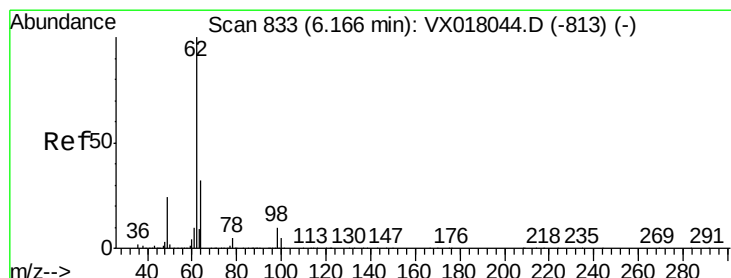
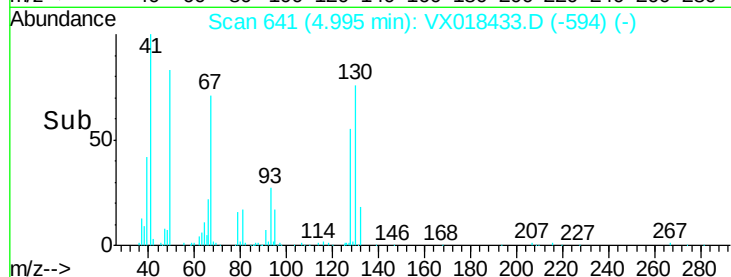
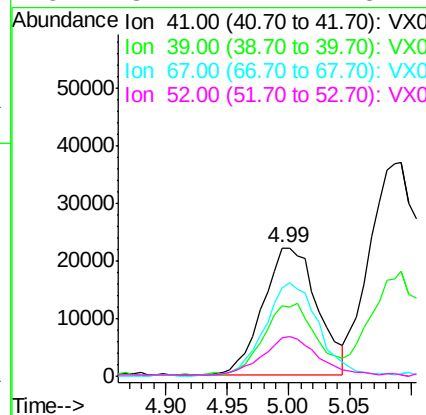
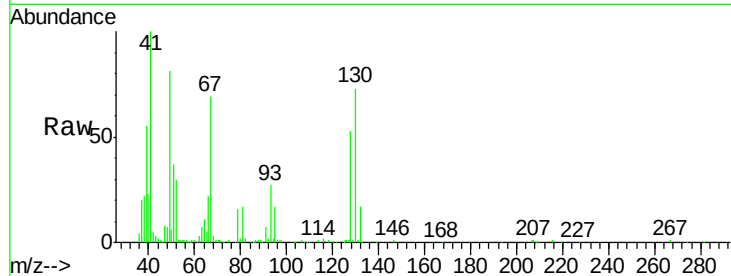
#41
Methacrylonitrile
Concen: 18.757 ug/l
RT: 4.99 min Scan# 641
Delta R.T. -0.01 min
Lab File: VX018433.D
Acq: 16 Sep 2020 12:00

Instrument :
MSVOA_X
ClientSampleId :
VX0916MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		68551		
39	54.9	43.1	64.7		
67	71.8	56.0	84.0		
52	31.4	22.7	34.1		

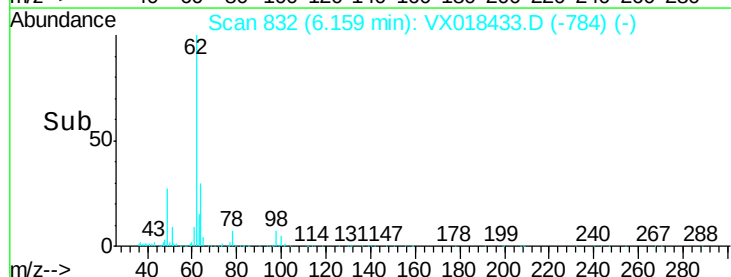
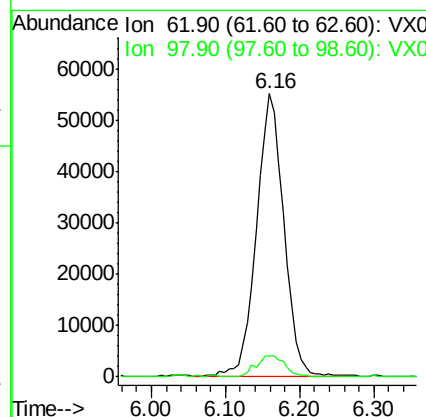
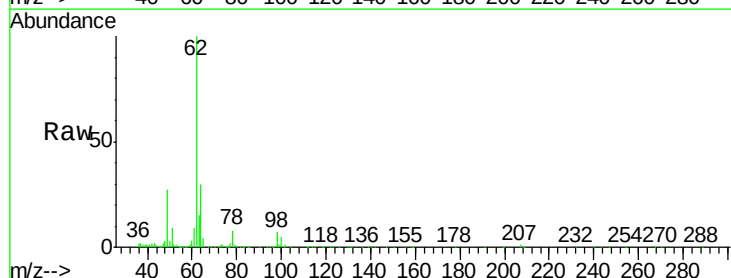
Manual Integrations
APPROVED

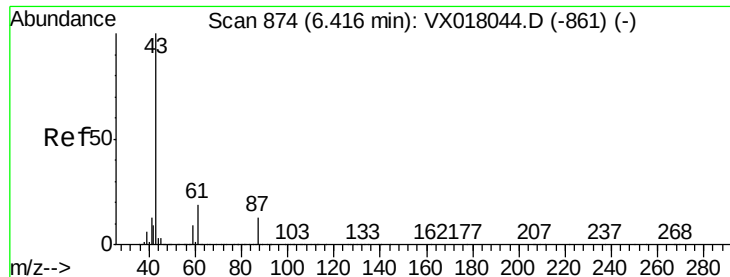
MMDadoda
9/17/2020 11:27:14 AM



#42
1,2-Dichloroethane
Concen: 21.965 ug/l
RT: 6.16 min Scan# 832
Delta R.T. -0.01 min
Lab File: VX018433.D
Acq: 16 Sep 2020 12:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		141715		
98	8.1	0.0	18.2		





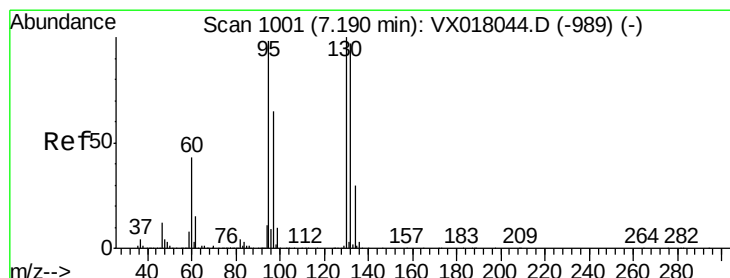
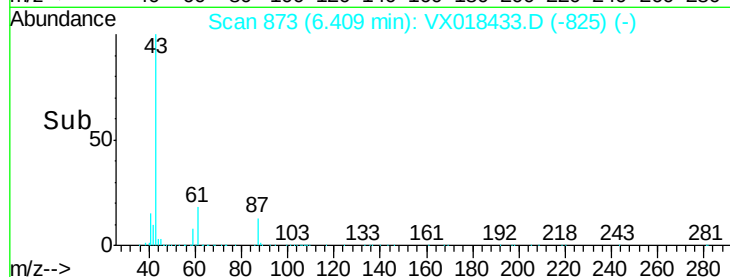
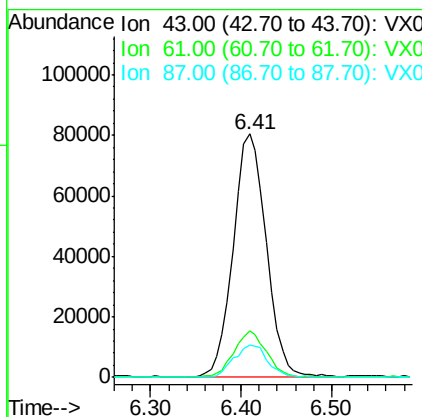
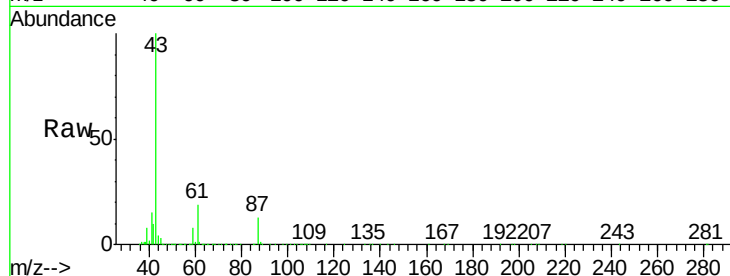
#43
Isopropyl Acetate
Concen: 18.823 ug/l
RT: 6.41 min Scan# 873
Delta R.T. -0.01 min
Lab File: VX018433.D
Acq: 16 Sep 2020 12:00

Instrument :
MSVOA_X
ClientSampleId :
VX0916MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.8	15.7	23.5
87	13.7	10.3	15.5

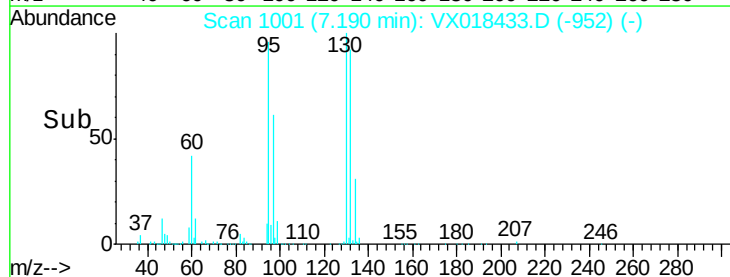
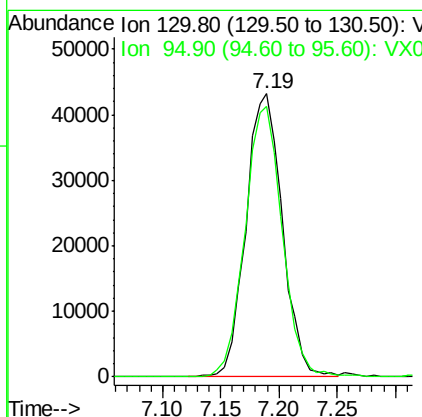
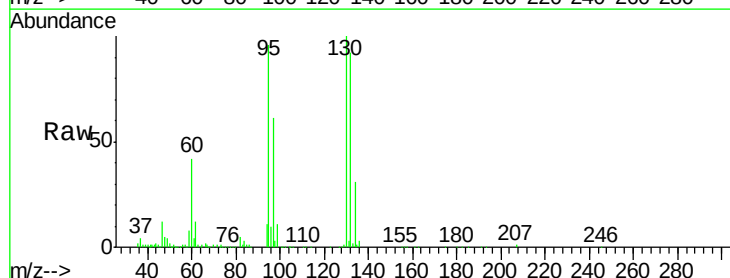
Manual Integrations
APPROVED

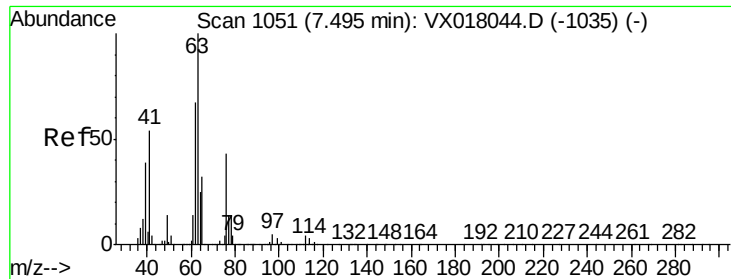
MMDadoda
9/17/2020 11:27:14 AM



#44
Trichloroethene
Concen: 19.827 ug/l
RT: 7.19 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VX018433.D
Acq: 16 Sep 2020 12:00

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.6	0.0	196.4





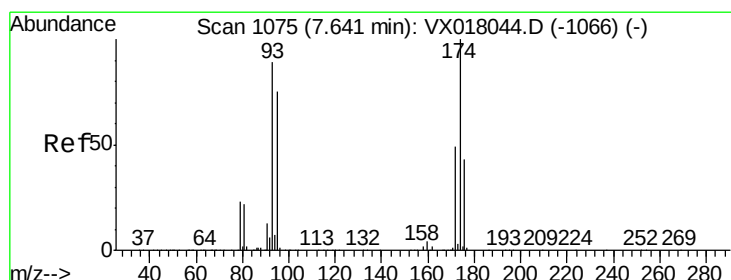
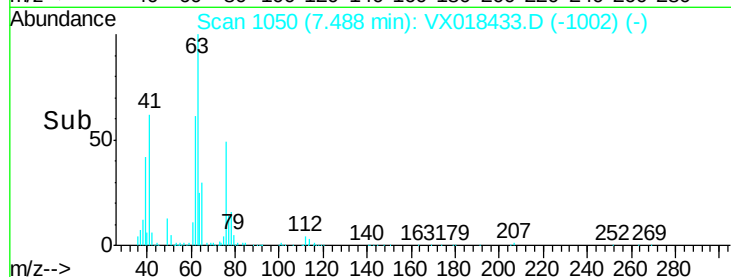
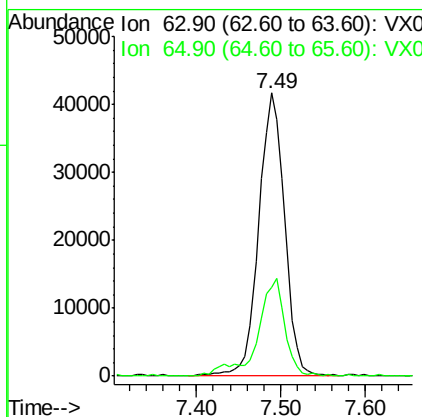
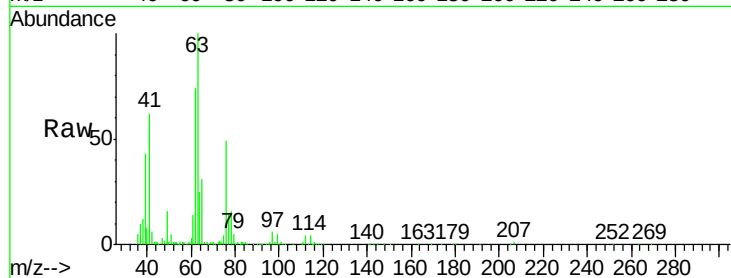
#45
 1,2-Dichloropropane
 Concen: 19.416 ug/l
 RT: 7.49 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: VX018433.D
 Acq: 16 Sep 2020 12:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0916MBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.4	25.7	38.5

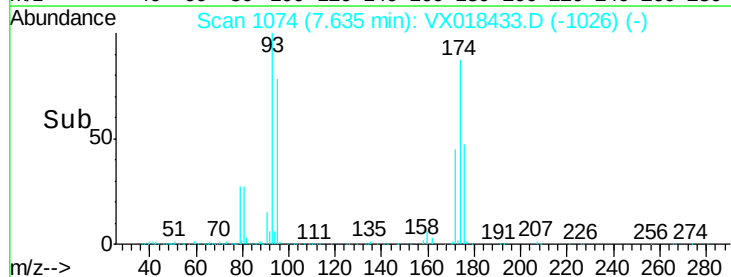
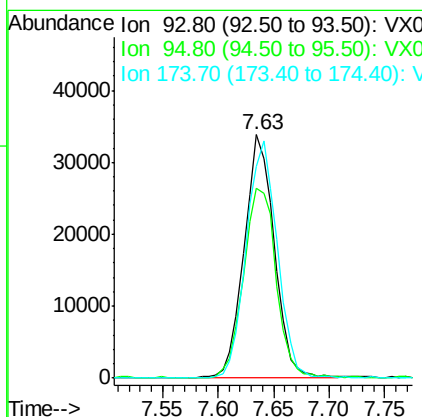
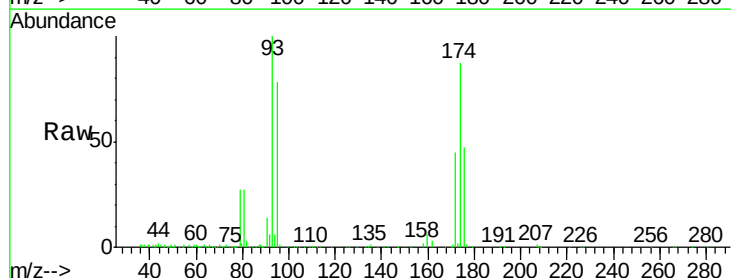
Manual Integrations
 APPROVED

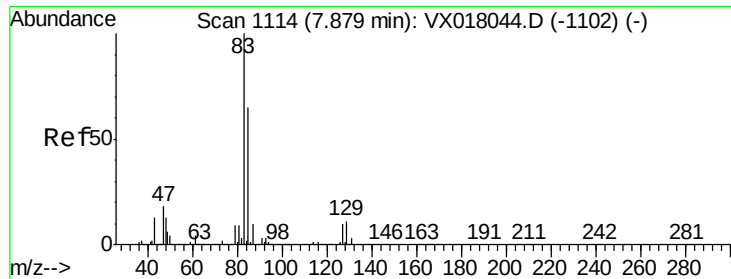
MMDadoda
 9/17/2020 11:27:14 AM



#46
 Dibromomethane
 Concen: 20.075 ug/l
 RT: 7.63 min Scan# 1074
 Delta R.T. -0.01 min
 Lab File: VX018433.D
 Acq: 16 Sep 2020 12:00

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.6	67.3	100.9
174	100.2	82.2	123.2





#47

Bromodichloromethane

Concen: 21.345 ug/l

RT: 7.87 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VX018433.D

Acq: 16 Sep 2020 12:00

Instrument :

MSVOA_X

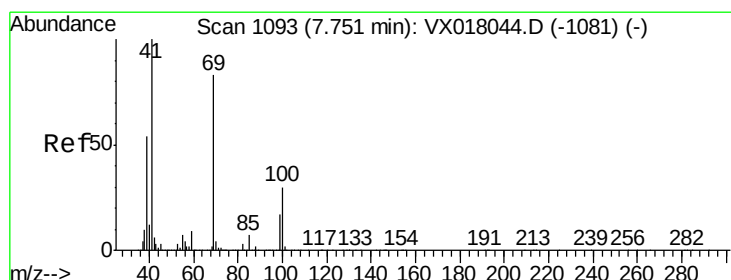
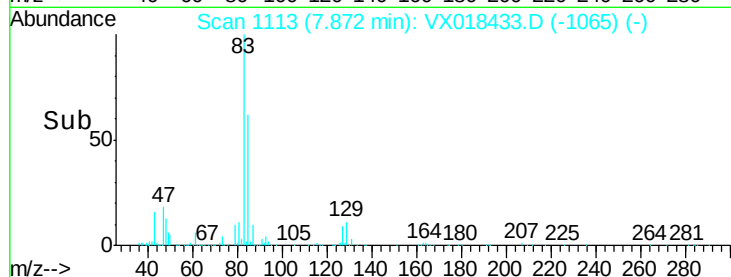
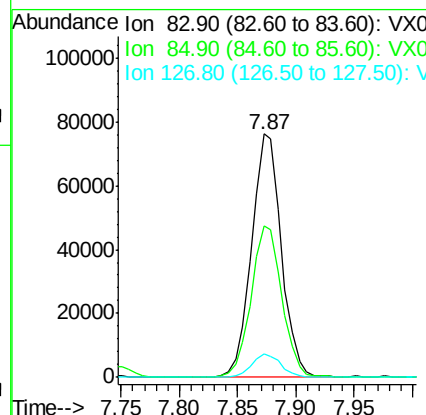
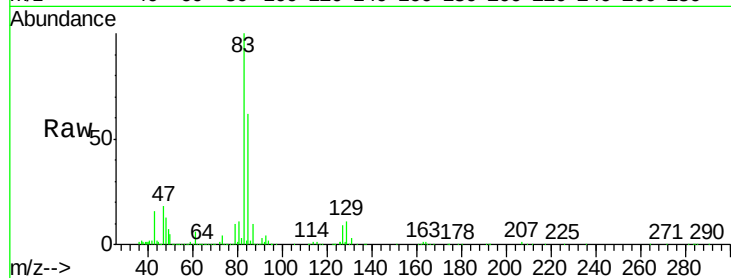
ClientSampleId :

VX0916MBS01

Tot Ion:	83	Resp:	136024
Ion Ratio	Lower	Upper	
83	100		
85	61.9	51.8	77.6
127	9.5	7.7	11.5

Manual Integrations
APPROVED

MMDadoda
9/17/2020 11:27:14 AM



#48

Methyl methacrylate

Concen: 18.343 ug/l

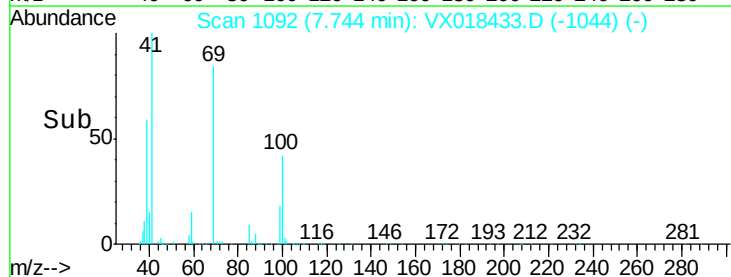
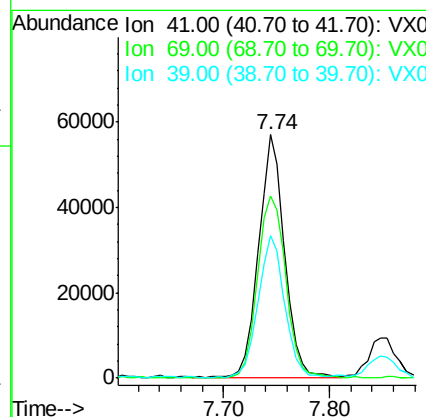
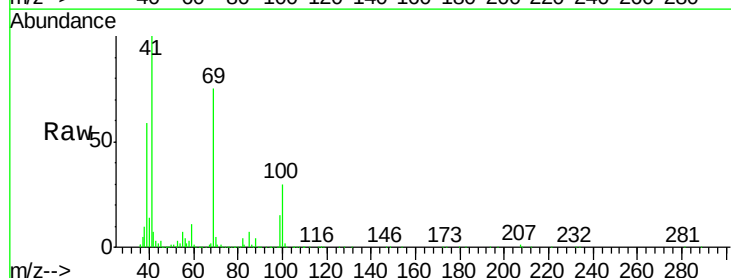
RT: 7.74 min Scan# 1092

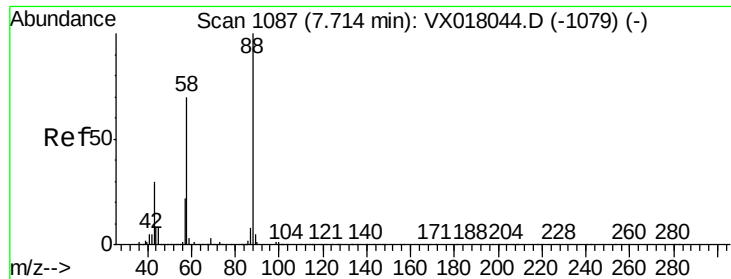
Delta R.T. -0.01 min

Lab File: VX018433.D

Acq: 16 Sep 2020 12:00

Tgt Ion:	41	Resp:	98165
Ion Ratio	Lower	Upper	
41	100		
69	81.3	65.5	98.3
39	58.5	44.5	66.7





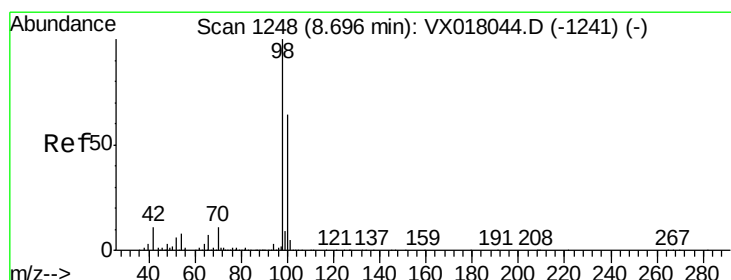
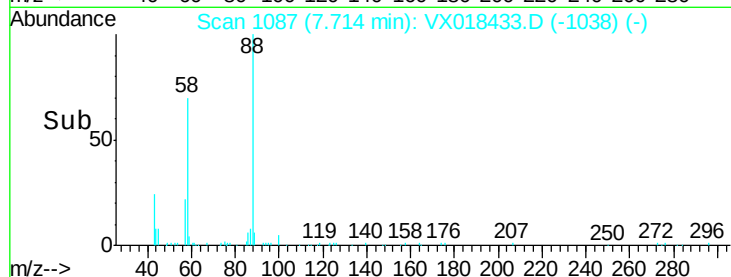
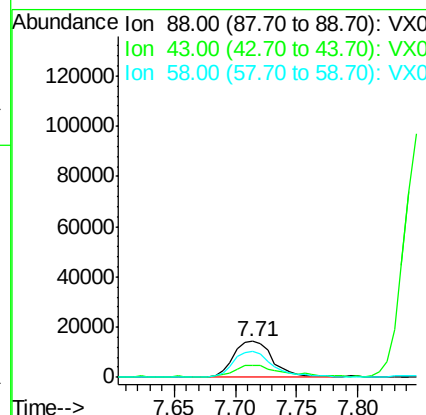
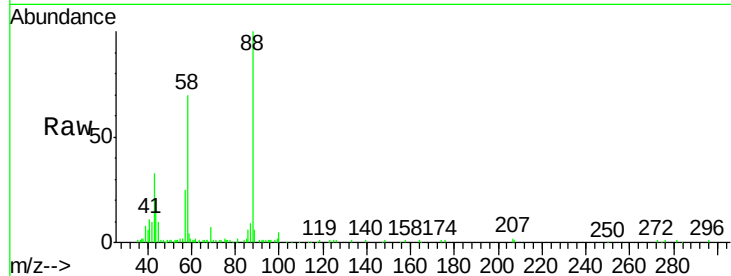
#49
1,4-Dioxane
Concen: 336.109 ug/l
RT: 7.71 min Scan# 1087
Delta R.T. -0.00 min
Lab File: VX018433.D
Acq: 16 Sep 2020 12:00

Instrument :
MSVOA_X
ClientSampleId :
VX0916MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.0	27.4	41.0
58	71.4	56.4	84.6

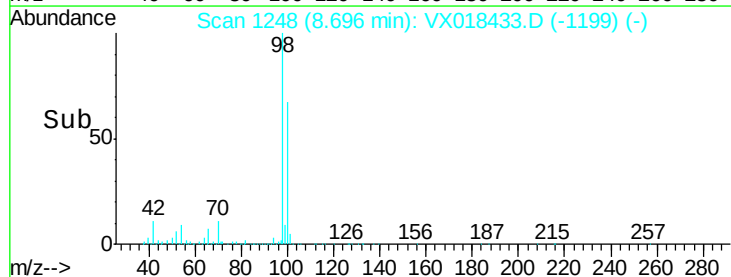
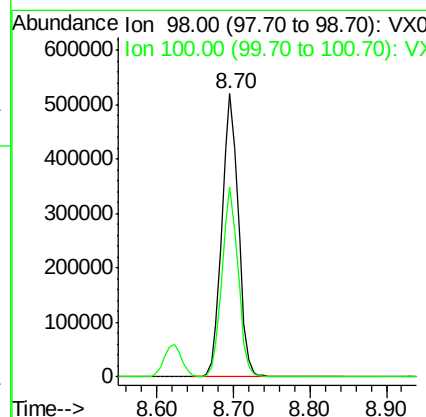
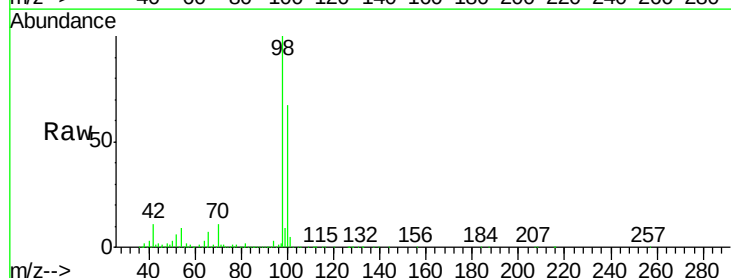
Manual Integrations
APPROVED

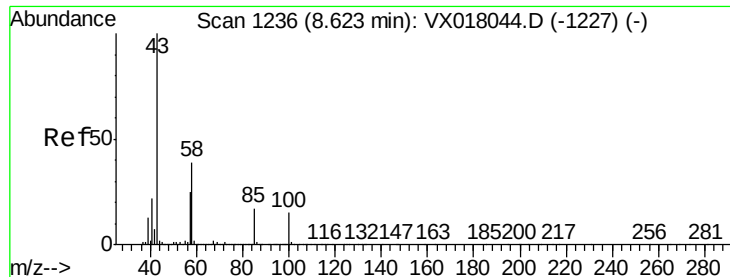
MMDadoda
9/17/2020 11:27:14 AM



#50
Toluene-d8
Concen: 49.397 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX018433.D
Acq: 16 Sep 2020 12:00

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.2	78.4





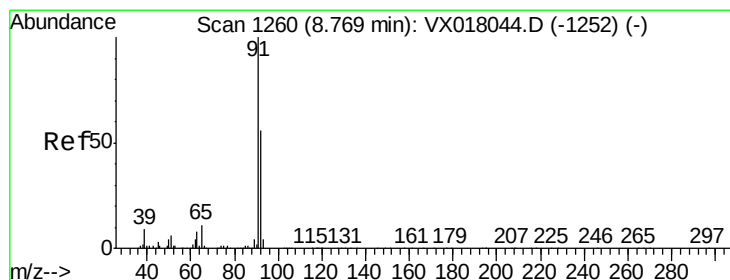
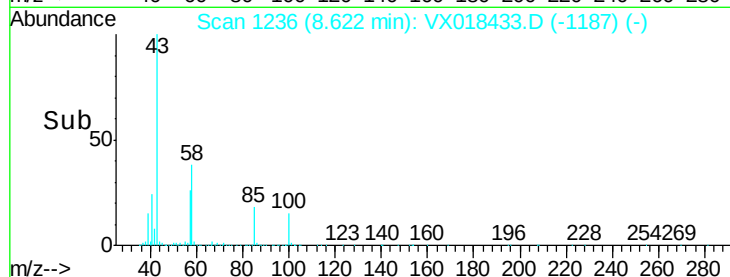
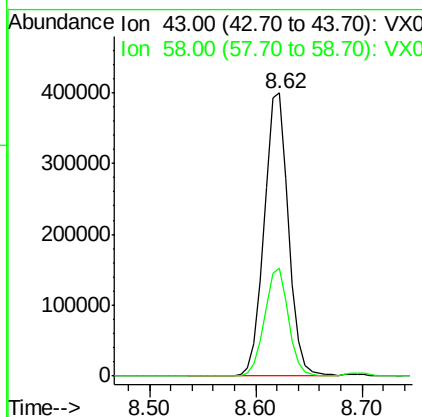
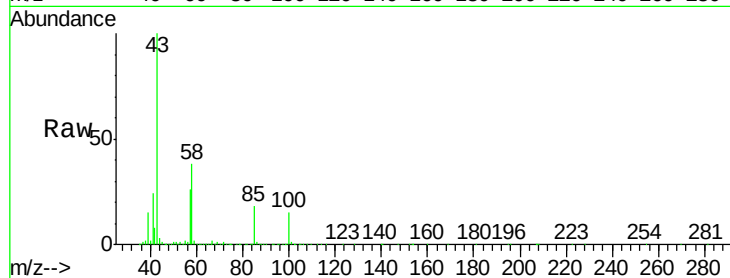
#51
4-Methyl-2-Pentanone
Concen: 95.684 ug/l
RT: 8.62 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VX018433.D
Acq: 16 Sep 2020 12:00

Instrument :
MSVOA_X
ClientSampleId :
VX0916MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	37.5	30.7	46.1

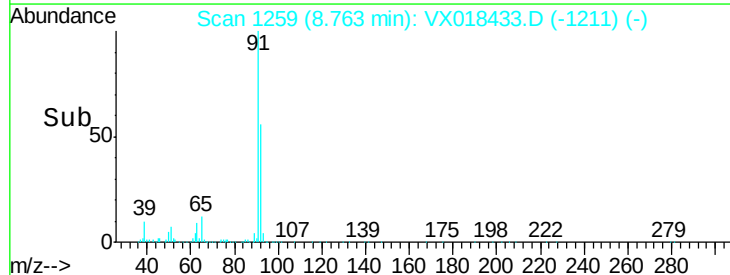
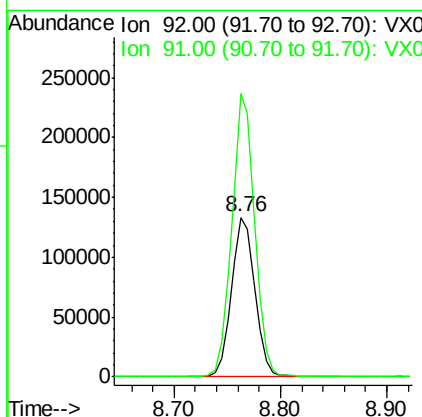
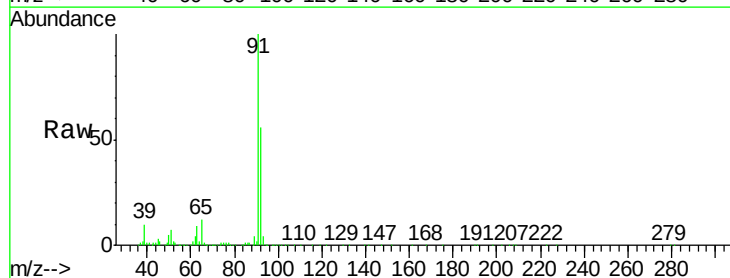
Manual Integrations
APPROVED

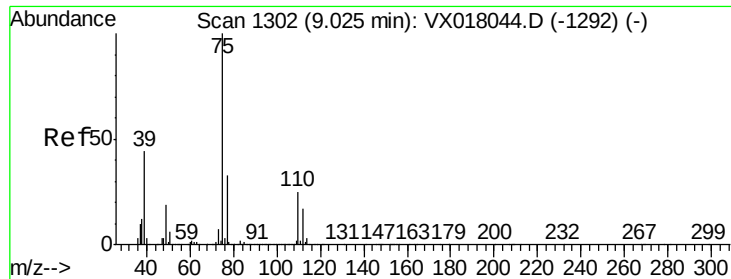
MMDadoda
9/17/2020 11:27:14 AM



#52
Toluene
Concen: 19.242 ug/l
RT: 8.76 min Scan# 1259
Delta R.T. -0.01 min
Lab File: VX018433.D
Acq: 16 Sep 2020 12:00

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.4	140.3	210.5





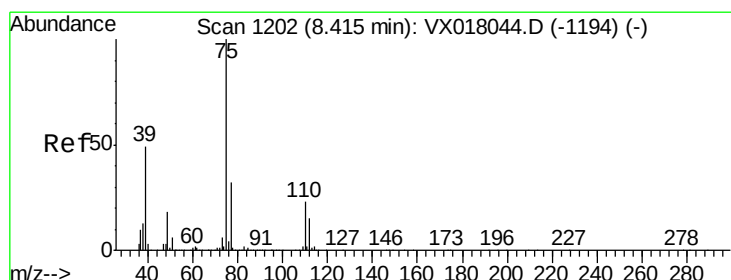
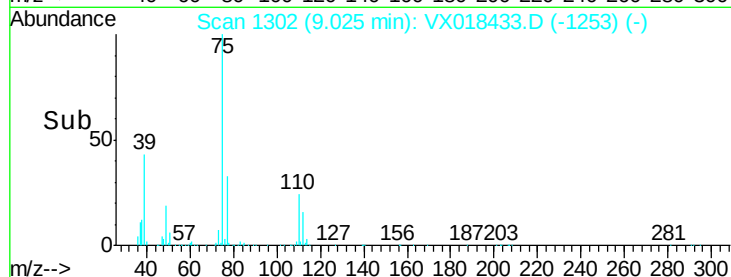
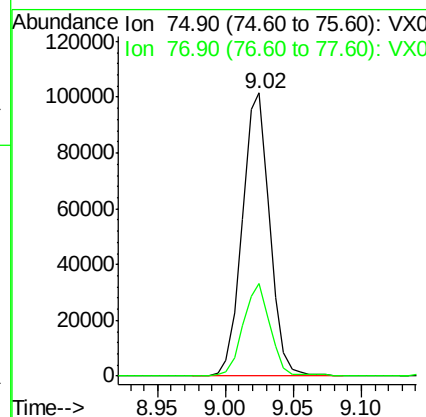
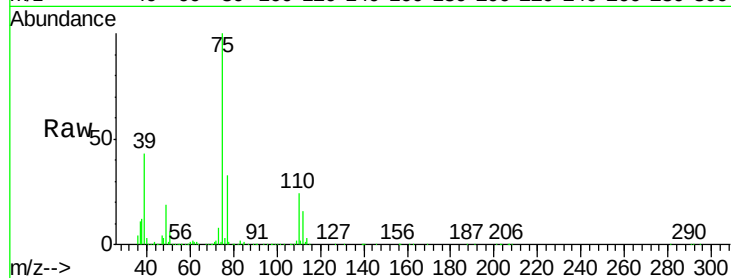
#53
t-1,3-Dichloropropene
Concen: 20.218 ug/l
RT: 9.02 min Scan# 1302
Delta R.T. -0.00 min
Lab File: VX018433.D
Acq: 16 Sep 2020 12:00

Instrument :
MSVOA_X
ClientSampleId :
VX0916MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.3	26.6	39.8

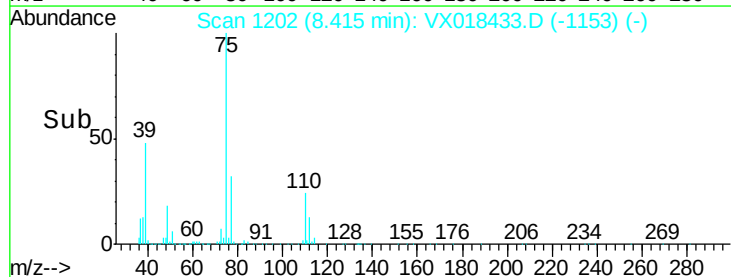
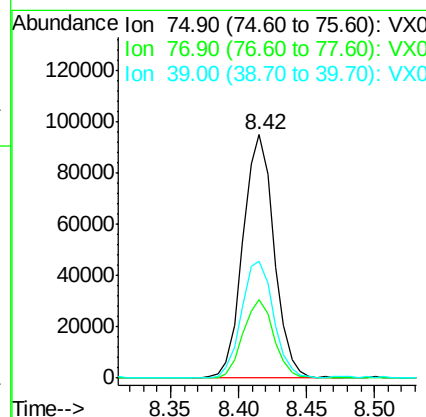
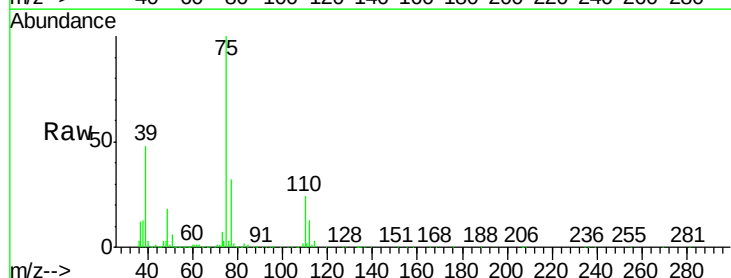
Manual Integrations
APPROVED

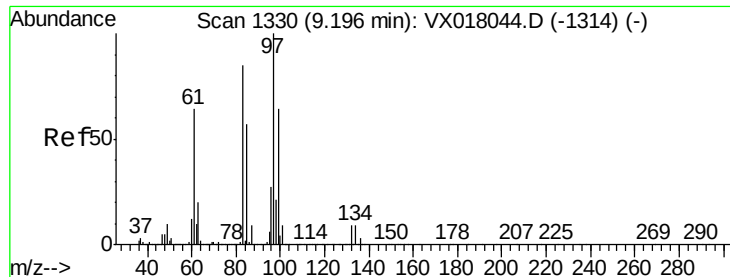
MMDadoda
9/17/2020 11:27:14 AM



#54
cis-1,3-Dichloropropene
Concen: 20.364 ug/l
RT: 8.42 min Scan# 1202
Delta R.T. -0.00 min
Lab File: VX018433.D
Acq: 16 Sep 2020 12:00

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.8	38.8
39	47.9	38.8	58.2





#55

1,1,2-Trichloroethane

Concen: 19.877 ug/l

RT: 9.20 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VX018433.D

Acq: 16 Sep 2020 12:00

Instrument :

MSVOA_X

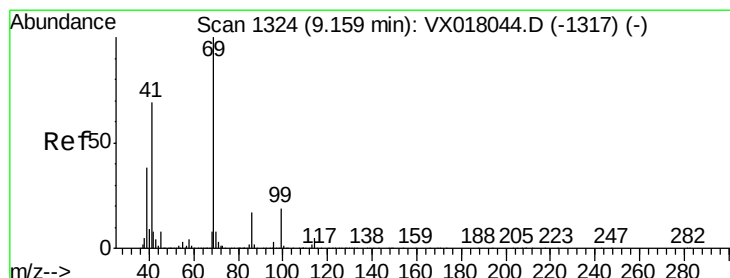
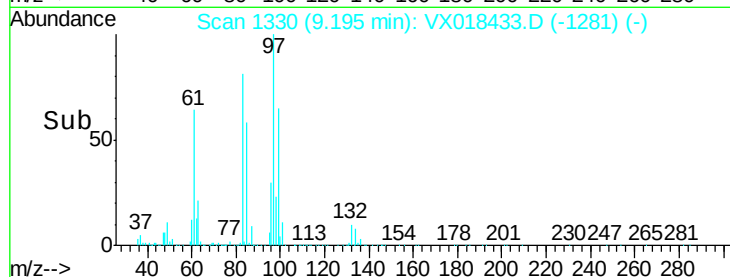
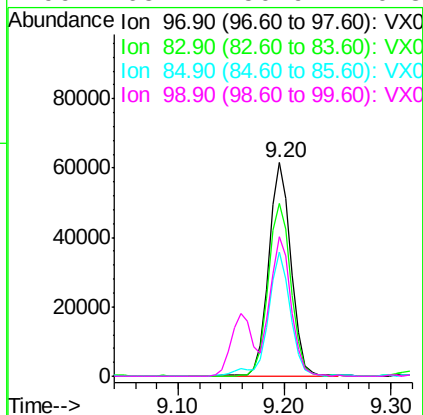
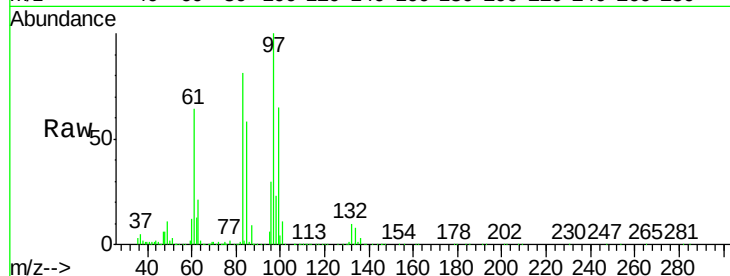
ClientSampleId :

VX0916MBS01

Tot Ion	97	Resp:	90518
Ion	Ratio	Lower	Upper
97	100		
83	80.7	67.8	101.6
85	58.0	45.3	67.9
99	65.4	50.9	76.3

Manual Integrations
APPROVED

MMDadoda
9/17/2020 11:27:14 AM



#56

Ethyl methacrylate

Concen: 19.024 ug/l

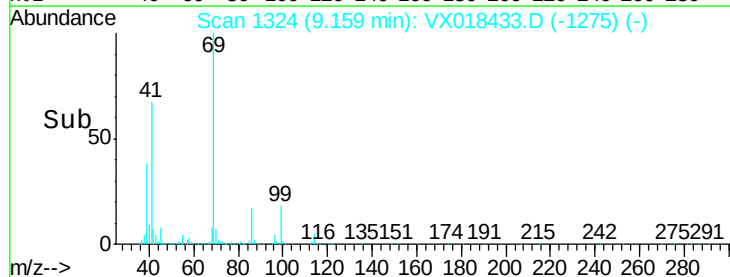
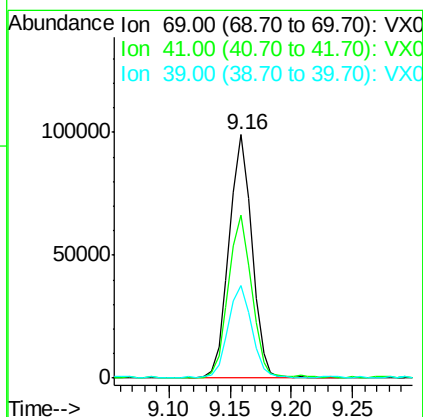
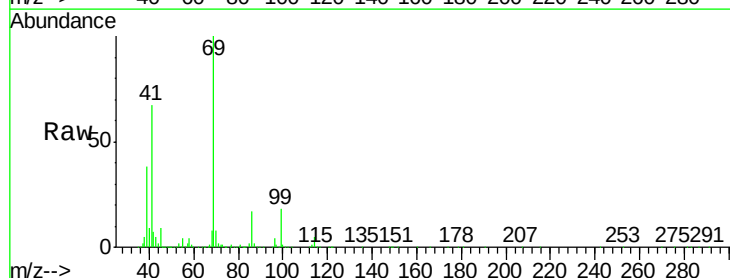
RT: 9.16 min Scan# 1324

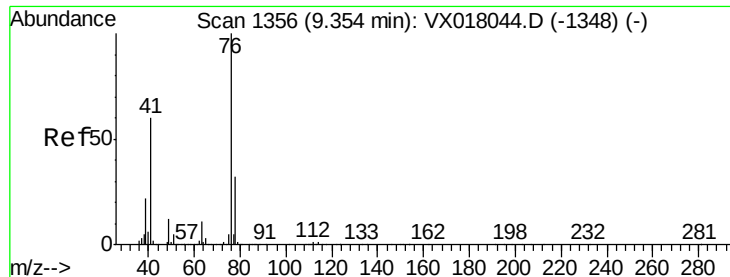
Delta R.T. -0.00 min

Lab File: VX018433.D

Acq: 16 Sep 2020 12:00

Tgt Ion	69	Resp:	128790
Ion	Ratio	Lower	Upper
69	100		
41	67.6	54.6	81.8
39	39.3	29.1	43.7





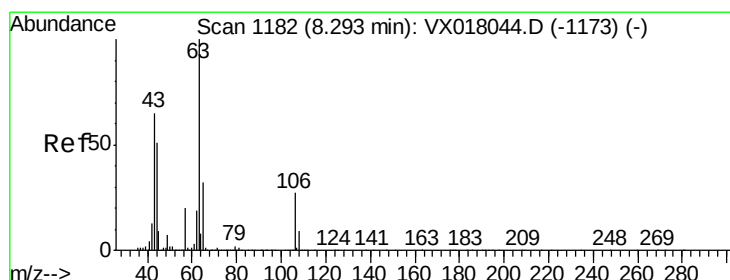
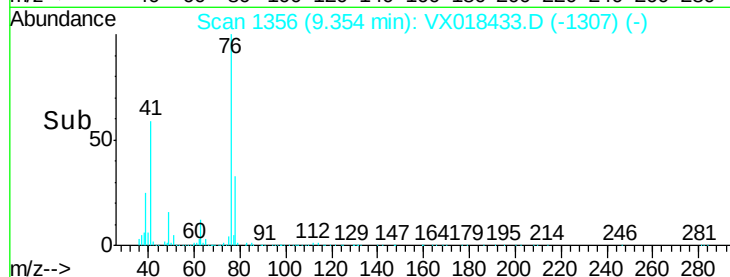
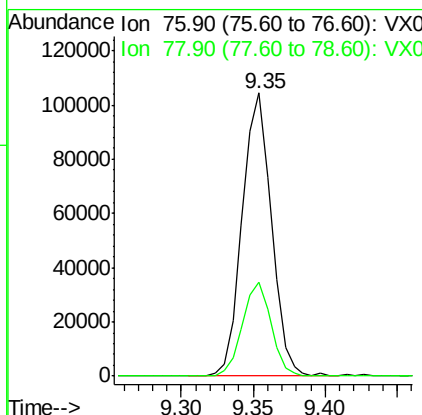
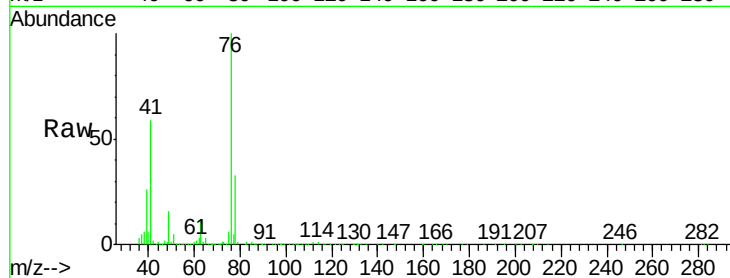
#57
 1,3-Dichloropropane
 Concen: 19.613 ug/l
 RT: 9.35 min Scan# 1356
 Delta R.T. -0.00 min
 Lab File: VX018433.D
 Acq: 16 Sep 2020 12:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0916MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.8	25.8	38.6

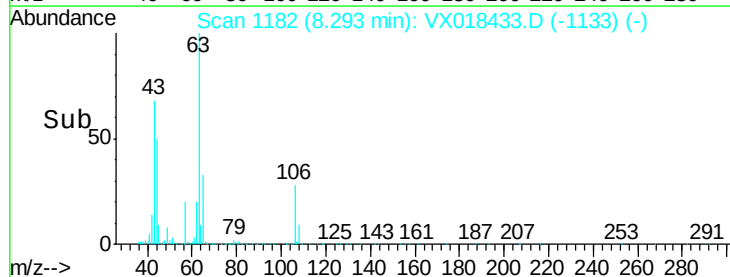
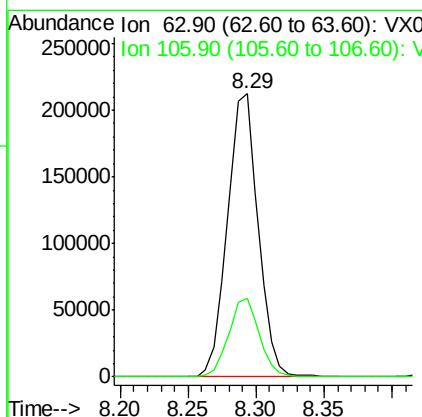
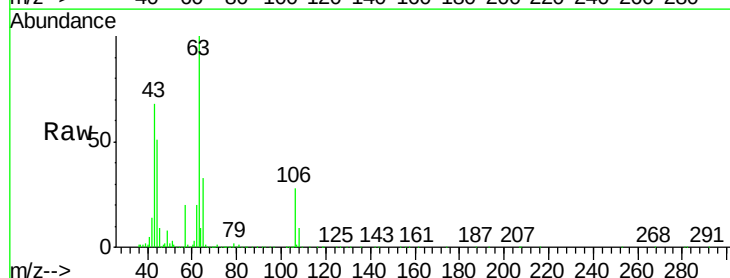
Manual Integrations
 APPROVED

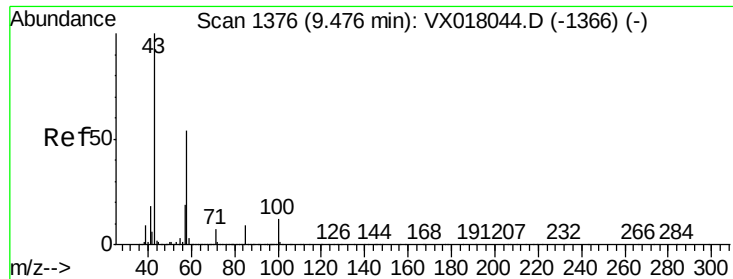
MMDadoda
 9/17/2020 11:27:14 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 109.156 ug/l
 RT: 8.29 min Scan# 1182
 Delta R.T. -0.00 min
 Lab File: VX018433.D
 Acq: 16 Sep 2020 12:00

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.0	22.1	33.1





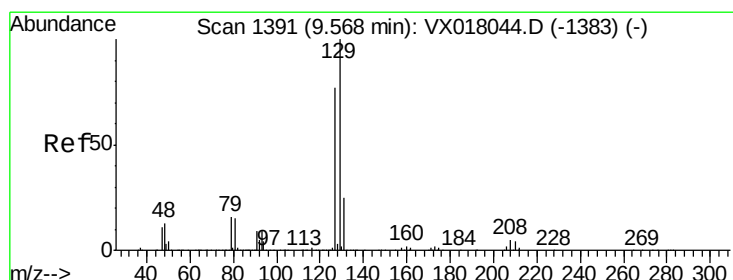
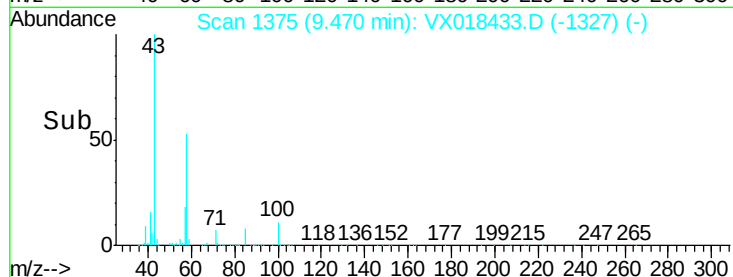
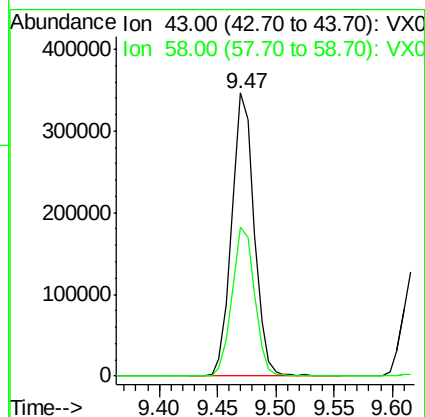
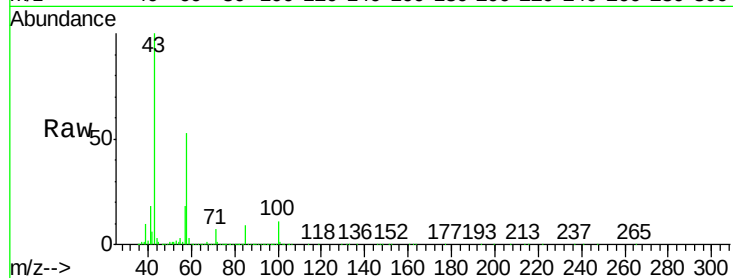
#59
2-Hexanone
Concen: 92.447 ug/l
RT: 9.47 min Scan# 1375
Delta R.T. -0.01 min
Lab File: VX018433.D
Acq: 16 Sep 2020 12:00

Instrument :
MSVOA_X
ClientSampleId :
VX0916MBS01

Tot Ion: 43 Resp: 466815
Ion Ratio Lower Upper
43 100
58 53.1 26.6 79.7

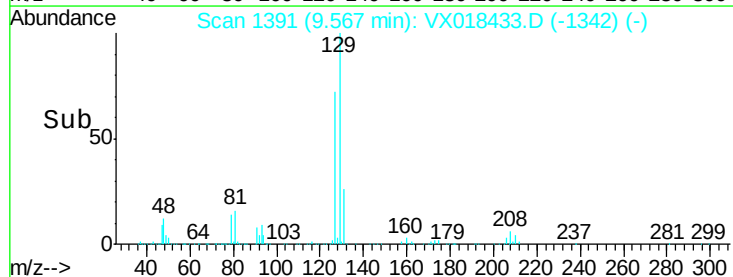
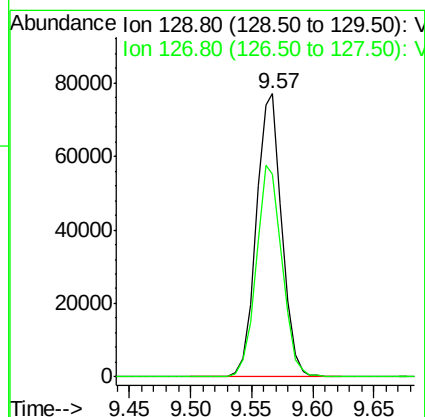
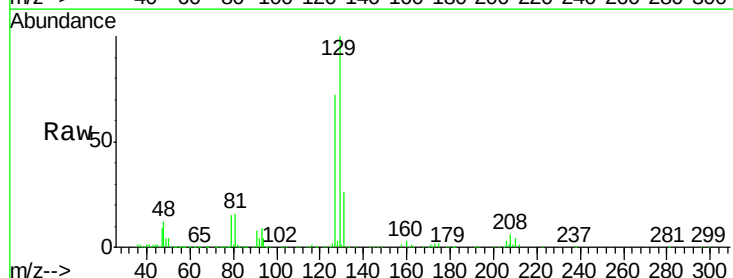
Manual Integrations
APPROVED

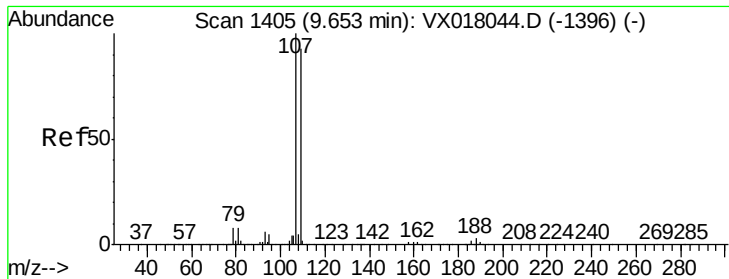
MMDadoda
9/17/2020 11:27:14 AM



#60
Dibromochloromethane
Concen: 20.946 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VX018433.D
Acq: 16 Sep 2020 12:00

Tgt Ion: 129 Resp: 111900
Ion Ratio Lower Upper
129 100
127 75.8 38.9 116.6





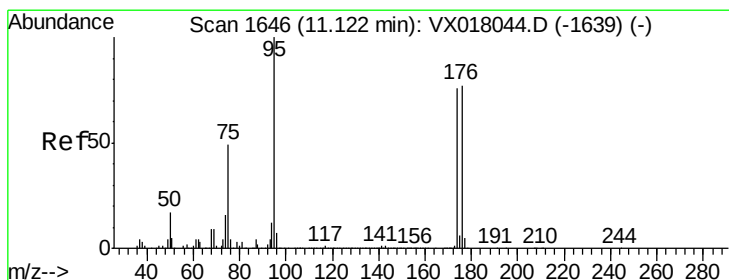
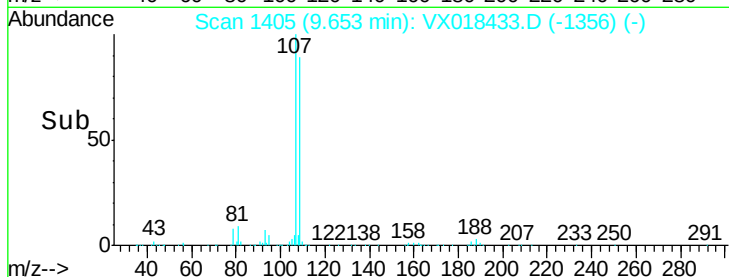
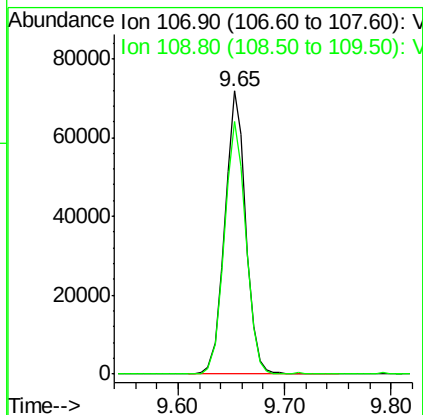
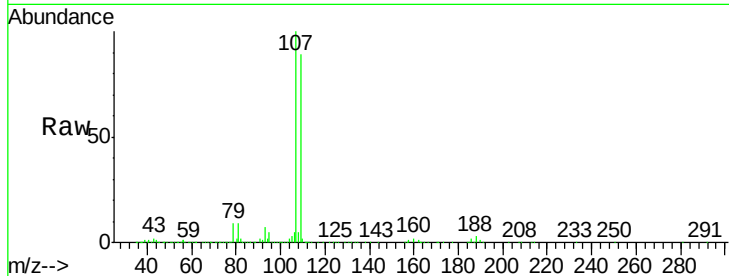
#61
 1,2-Dibromoethane
 Concen: 19.968 ug/l
 RT: 9.65 min Scan# 1405
 Delta R.T. -0.00 min
 Lab File: VX018433.D
 Acq: 16 Sep 2020 12:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0916MBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	91.9	75.9	113.9

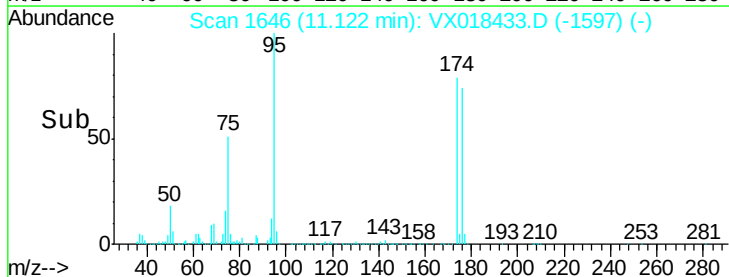
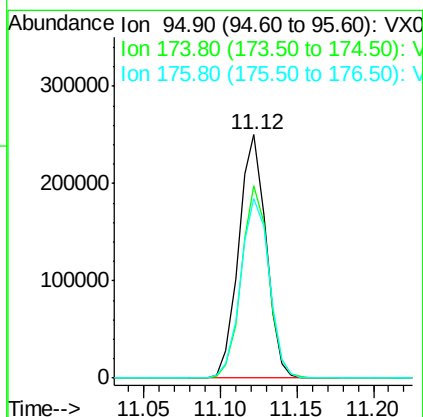
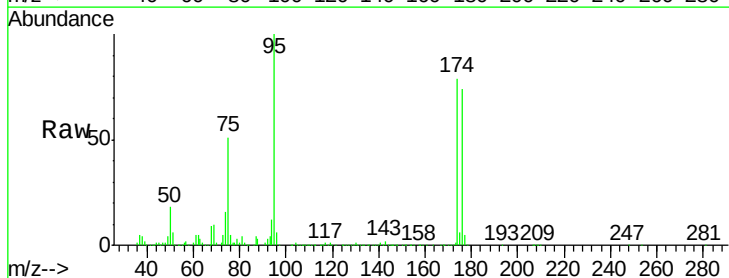
Manual Integrations
 APPROVED

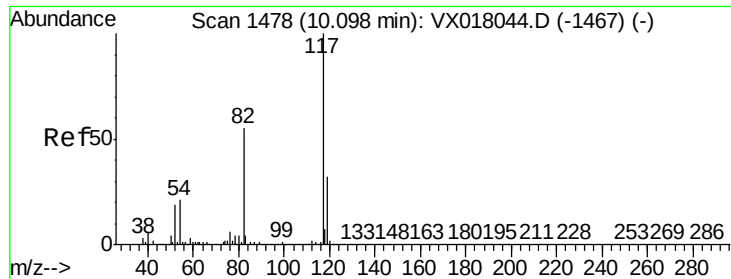
MMDadoda
 9/17/2020 11:27:14 AM



#62
 4-Bromofluorobenzene
 Concen: 50.064 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.00 min
 Lab File: VX018433.D
 Acq: 16 Sep 2020 12:00

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.2	0.0	160.2
176	77.2	0.0	155.8





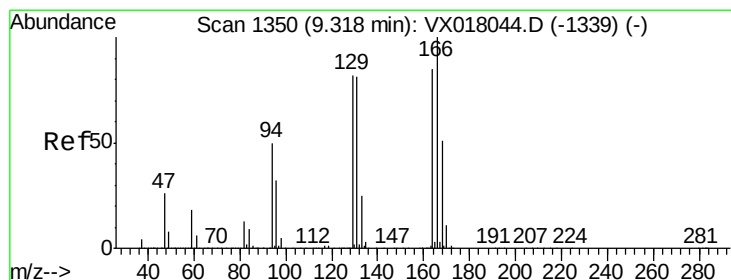
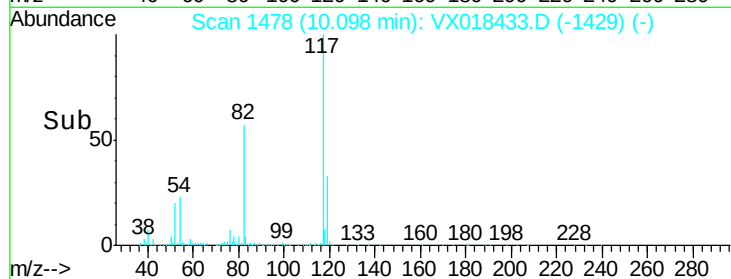
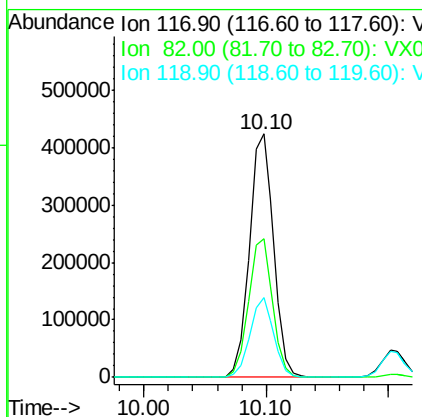
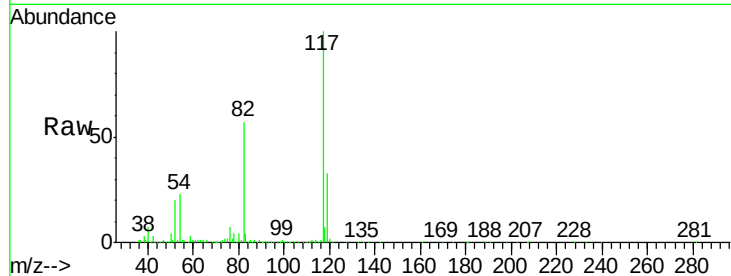
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX018433.D
Acq: 16 Sep 2020 12:00

Instrument :
MSVOA_X
ClientSampleId :
VX0916MBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	584860		
82	57.1		44.2	66.2
119	33.0		25.7	38.5

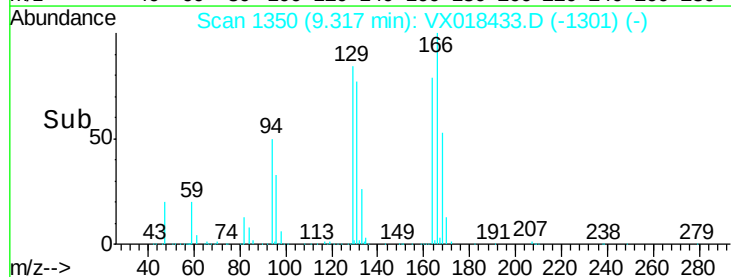
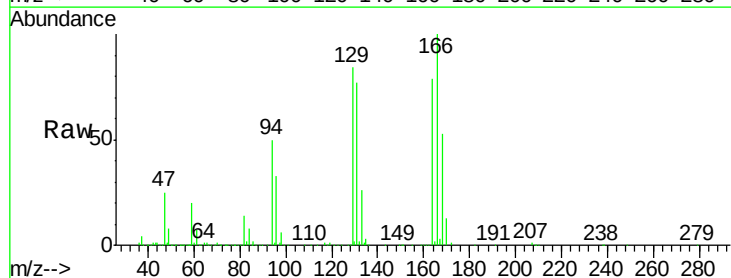
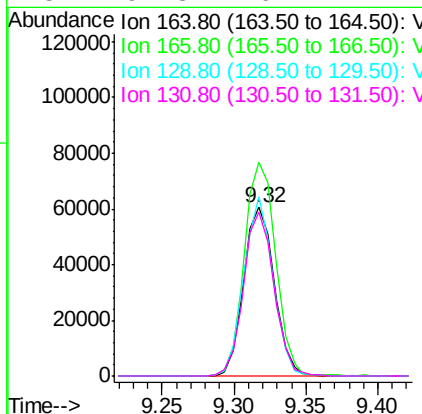
Manual Integrations
APPROVED

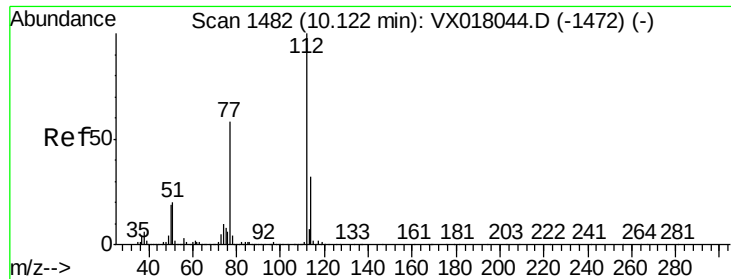
MMDadoda
9/17/2020 11:27:14 AM



#64
Tetrachloroethene
Concen: 20.764 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX018433.D
Acq: 16 Sep 2020 12:00

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	89240		
166	126.6		94.2	141.2
129	106.2		76.9	115.3
131	97.3		76.1	114.1





#65

Chlorobenzene

Concen: 20.071 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX018433.D

Acq: 16 Sep 2020 12:00

Instrument :

MSVOA_X

ClientSampleId :

VX0916MBS01

Tot Ion:112 Resp: 234442

Ion Ratio Lower Upper

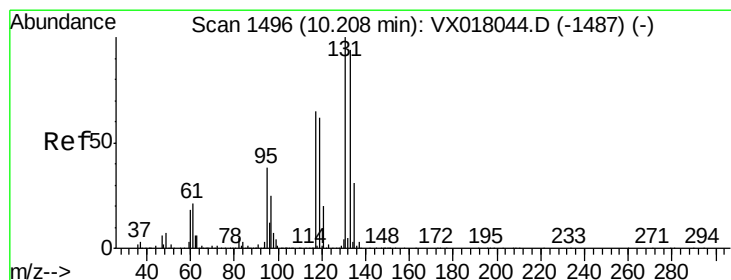
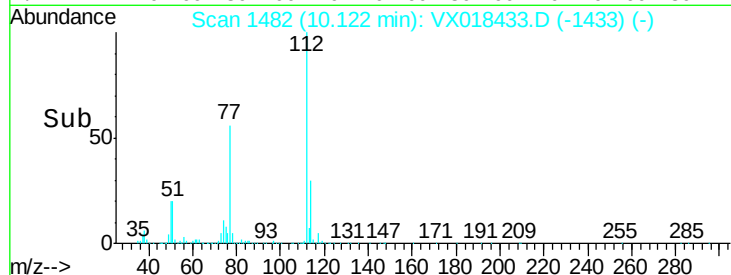
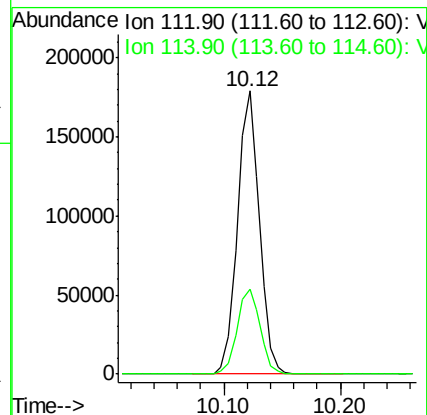
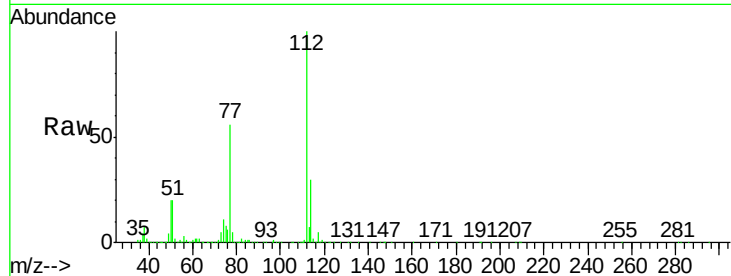
112 100

114 30.0 25.7 38.5

Manual Integrations
APPROVED

MMDadoda

9/17/2020 11:27:14 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 20.318 ug/l

RT: 10.20 min Scan# 1495

Delta R.T. -0.01 min

Lab File: VX018433.D

Acq: 16 Sep 2020 12:00

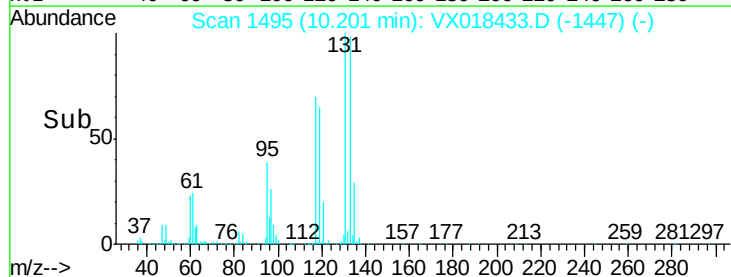
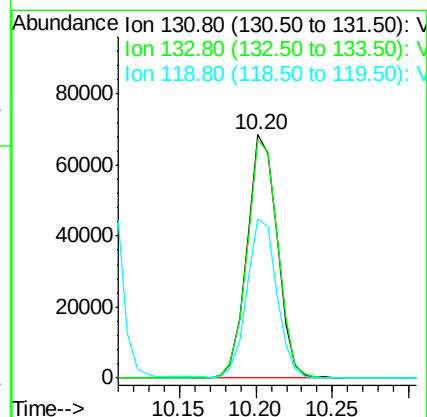
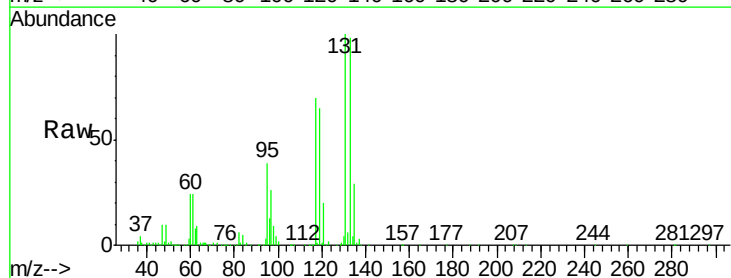
Tgt Ion:131 Resp: 93539

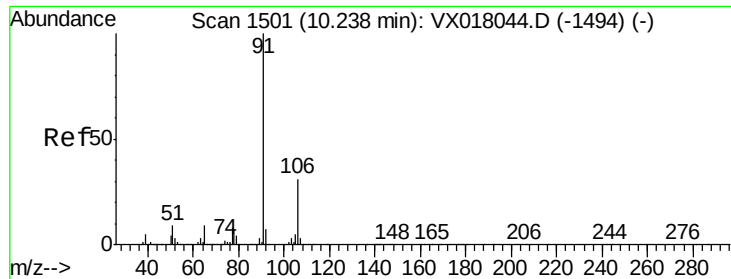
Ion Ratio Lower Upper

131 100

133 99.6 46.7 140.1

119 65.2 31.8 95.4





#67

Ethyl Benzene

Concen: 19.821 ug/l

RT: 10.24 min Scan# 1501

Delta R.T. -0.00 min

Lab File: VX018433.D

Acq: 16 Sep 2020 12:00

Instrument :

MSVOA_X

ClientSampleId :

VX0916MBS01

Tot Ion: 91 Resp: 393741

Ion Ratio Lower Upper

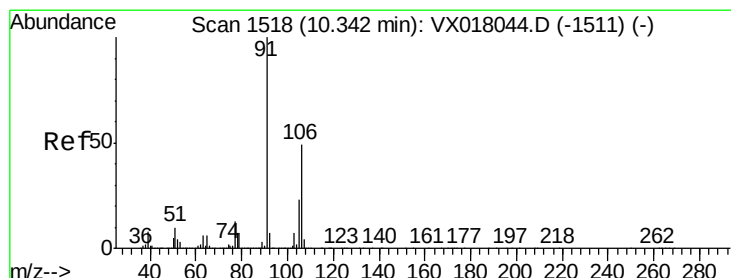
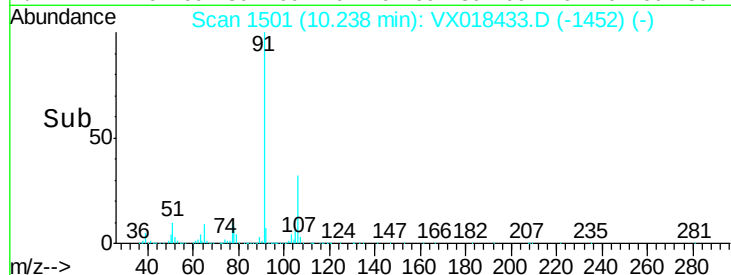
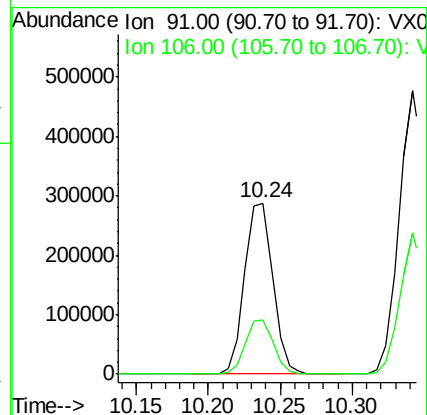
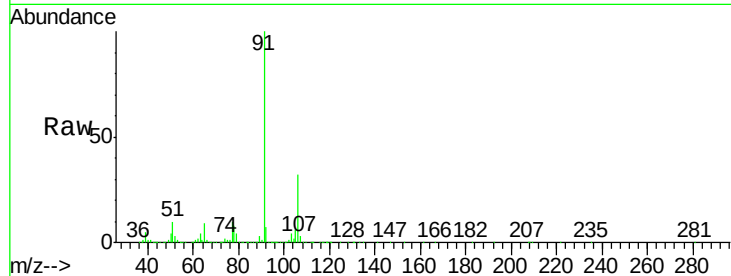
91 100

106 31.6 24.9 37.3

Manual Integrations
APPROVED

MMDadoda

9/17/2020 11:27:14 AM



#68

m/p-Xylenes

Concen: 40.863 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX018433.D

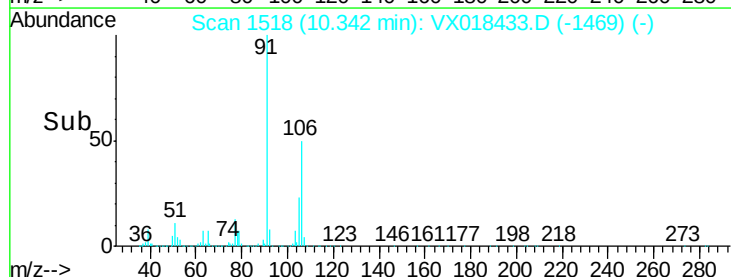
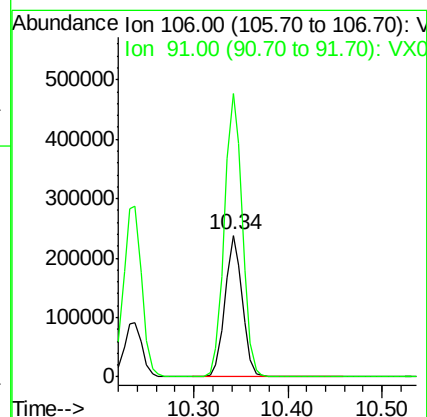
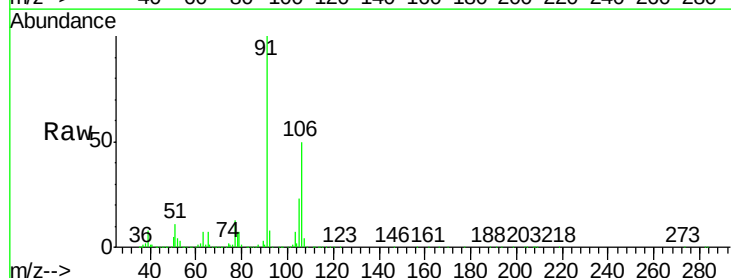
Acq: 16 Sep 2020 12:00

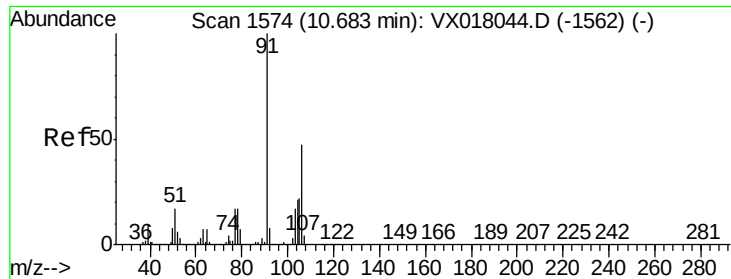
Tgt Ion: 106 Resp: 302971

Ion Ratio Lower Upper

106 100

91 207.2 162.2 243.2





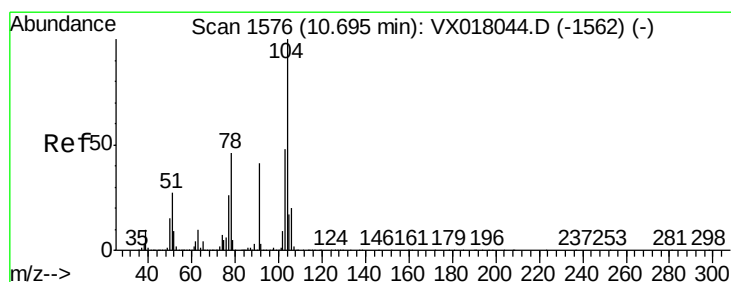
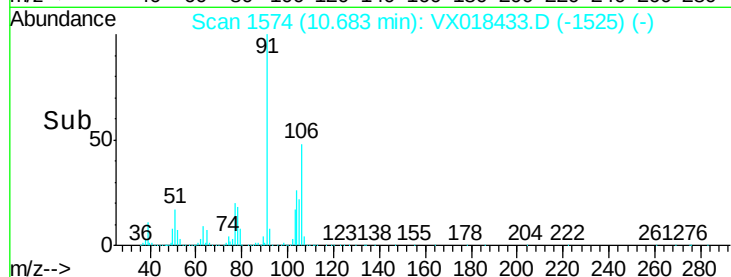
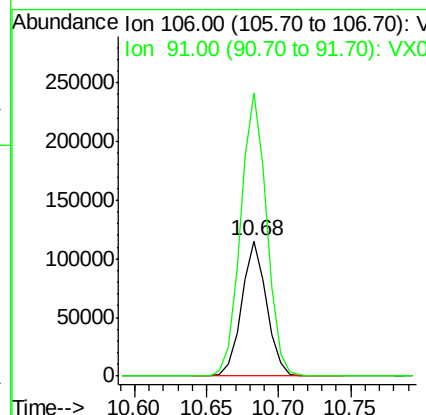
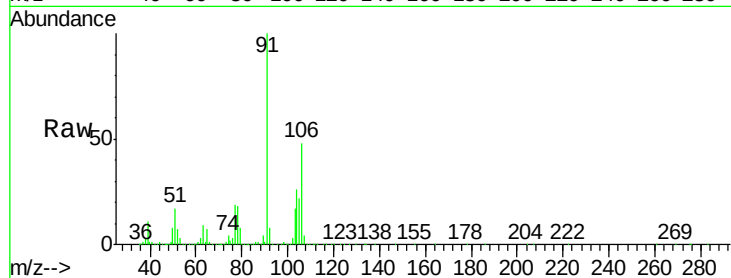
#69
o-Xylene
Concen: 19.308 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX018433.D
Acq: 16 Sep 2020 12:00

Instrument :
MSVOA_X
ClientSampleId :
VX0916MBS01

Tot Ion	Ratio	Resp	Lower	Upper
106	100	138776		
91	218.3	107.1	321.3	

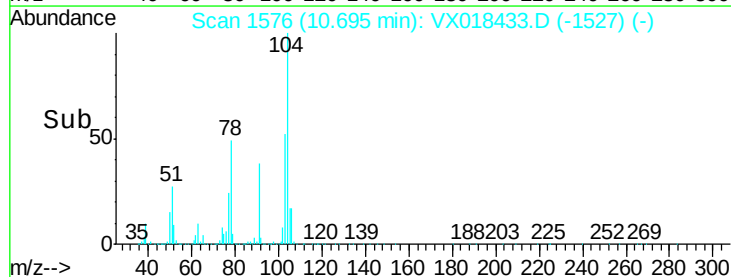
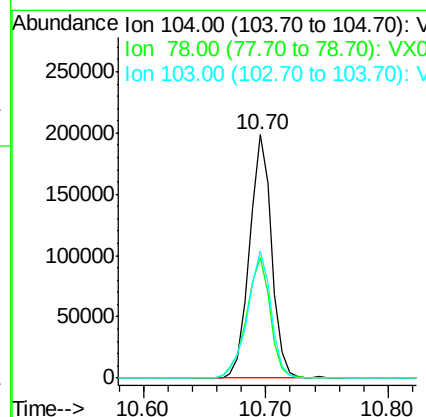
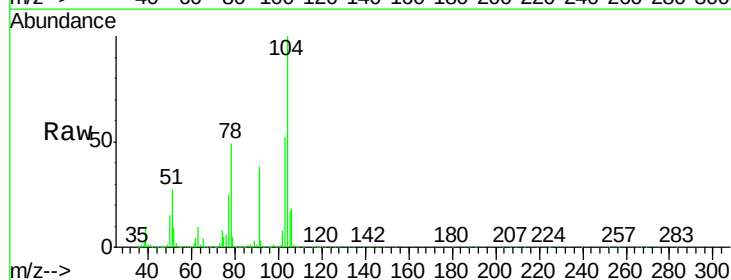
Manual Integrations
APPROVED

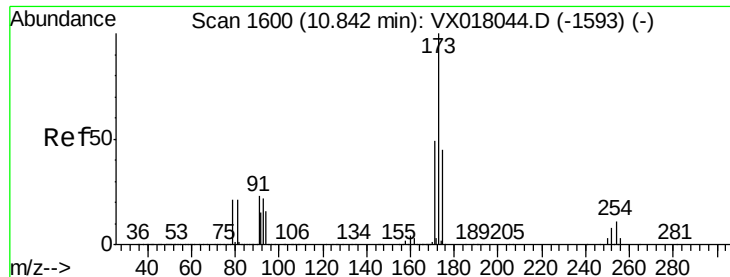
MMDadoda
9/17/2020 11:27:14 AM



#70
Styrene
Concen: 20.231 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX018433.D
Acq: 16 Sep 2020 12:00

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	247632		
78	53.5	40.9	61.3	
103	56.1	43.6	65.4	





#71

Bromoform

Concen: 21.090 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VX018433.D

Acq: 16 Sep 2020 12:00

Instrument :

MSVOA_X

ClientSampleId :

VX0916MBS01

Tot Ion:173 Resp: 82818

Ion Ratio Lower Upper

173 100

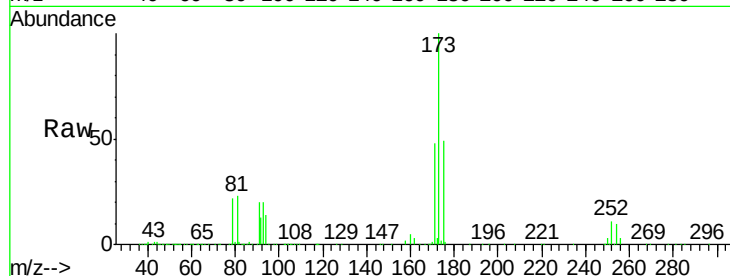
175 48.1 23.9 71.8

254 0.1 0.2 0.2#

Manual Integrations
APPROVED

MMDadoda

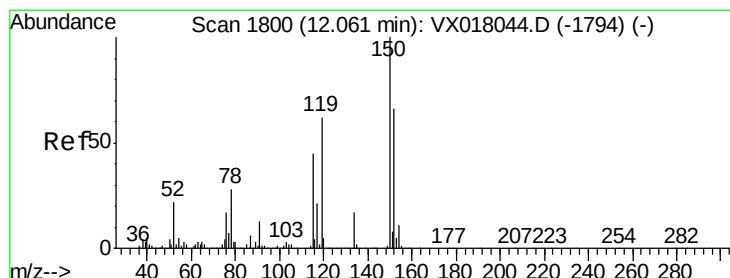
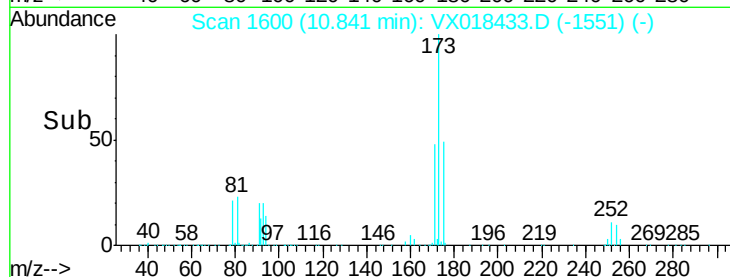
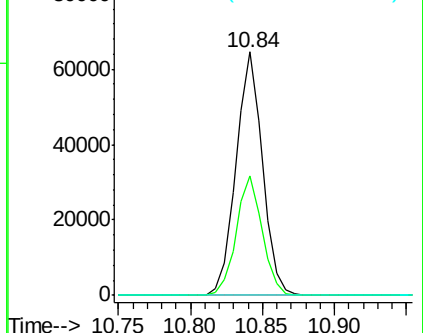
9/17/2020 11:27:14 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX018433.D

Acq: 16 Sep 2020 12:00

Tgt Ion:152 Resp: 320711

Ion Ratio Lower Upper

152 100

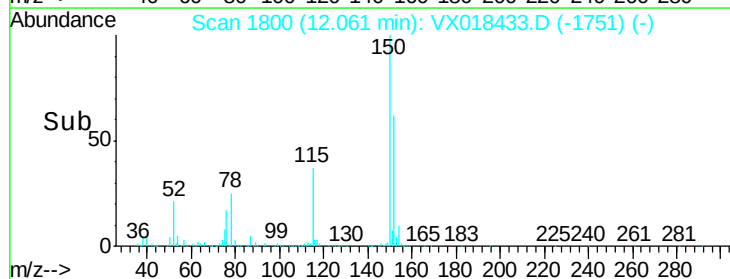
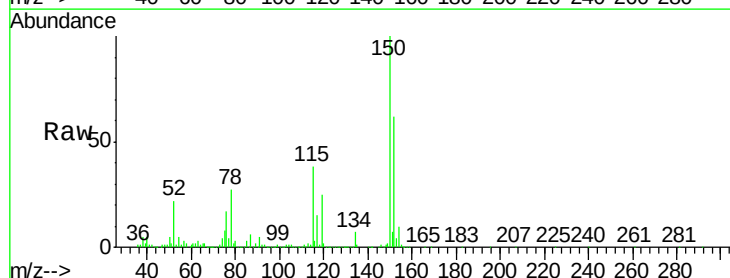
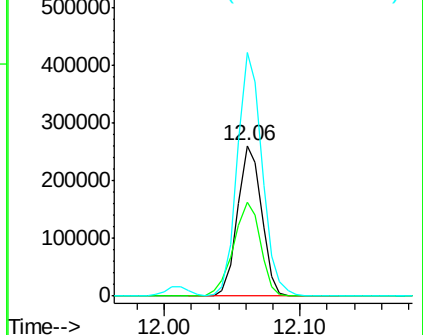
115 69.9 41.5 124.5

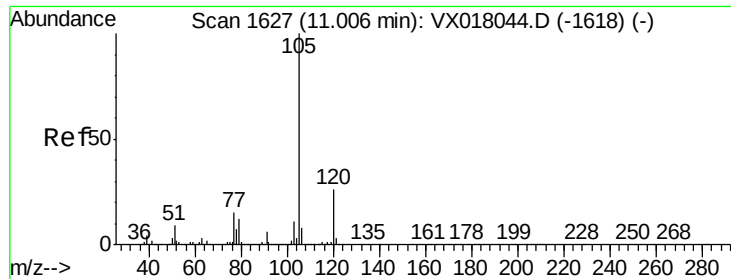
150 166.9 0.0 343.8

Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





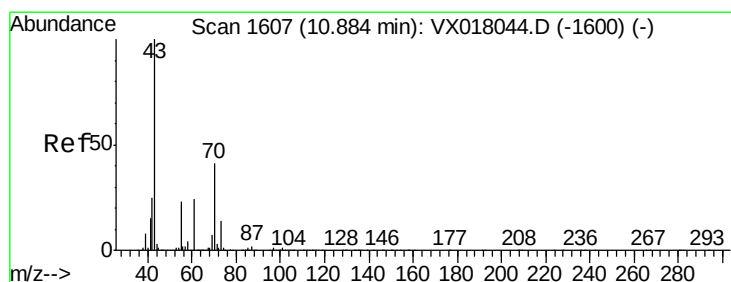
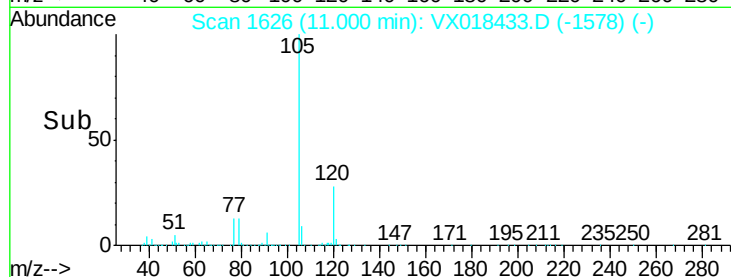
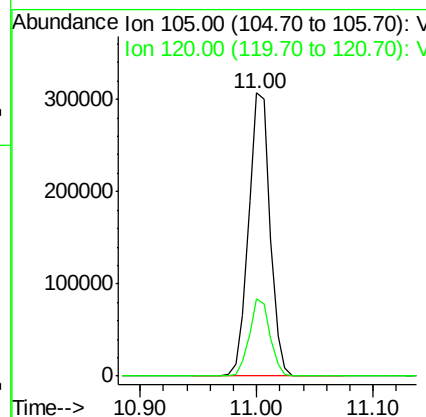
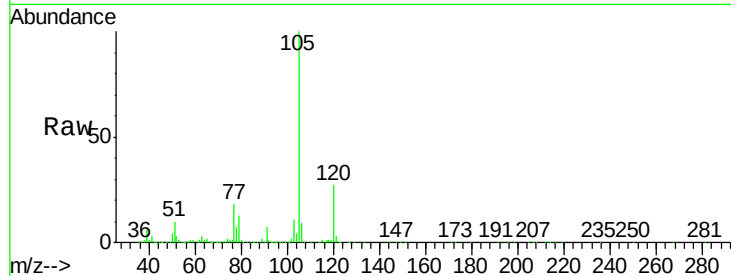
#73
Isopropylbenzene
Concen: 18.704 ug/l
RT: 11.00 min Scan# 1626
Delta R.T. -0.01 min
Lab File: VX018433.D
Acq: 16 Sep 2020 12:00

Instrument :
MSVOA_X
ClientSampleId :
VX0916MBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.2	39.5

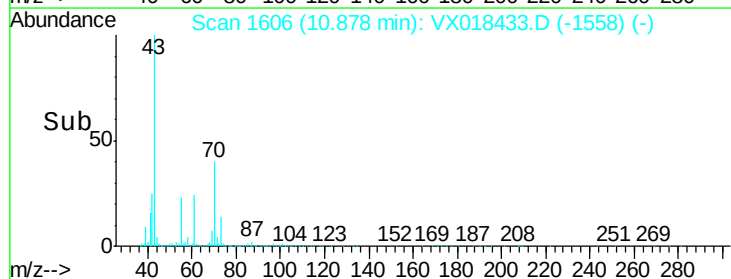
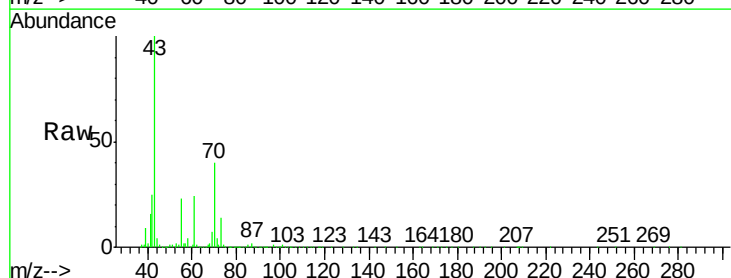
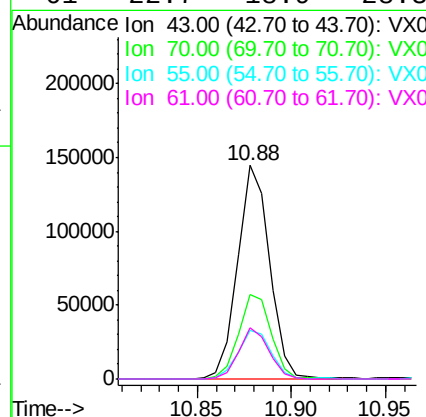
Manual Integrations
APPROVED

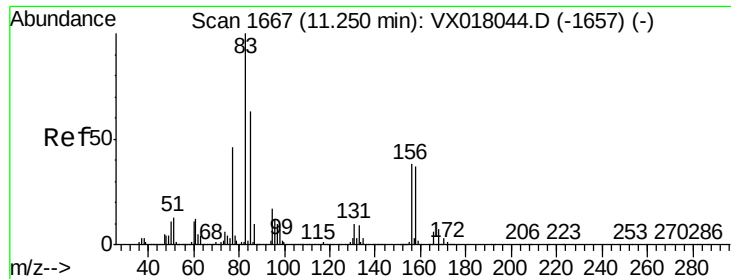
MMDadoda
9/17/2020 11:27:14 AM



#74
N-ethyl acetate
Concen: 16.939 ug/l
RT: 10.88 min Scan# 1606
Delta R.T. -0.01 min
Lab File: VX018433.D
Acq: 16 Sep 2020 12:00

Tgt Ion	Ratio	Lower	Upper
43	100		
70	40.9	32.3	48.5
55	23.9	18.2	27.2
61	22.7	18.9	28.3





#75

1,1,2,2-Tetrachloroethane

Concen: 17.893 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. -0.00 min

Lab File: VX018433.D

Acq: 16 Sep 2020 12:00

Instrument :

MSVOA_X

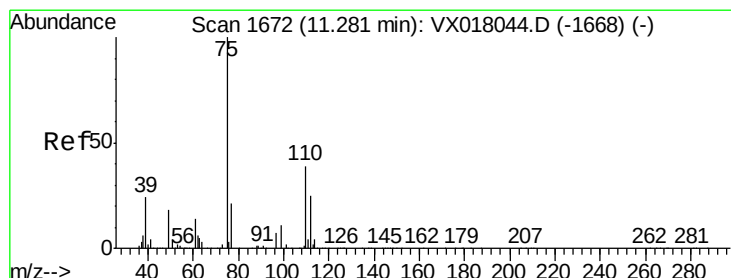
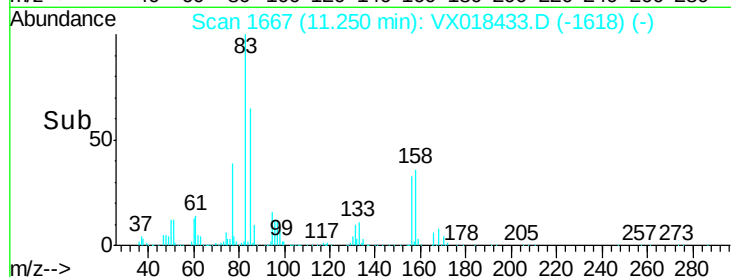
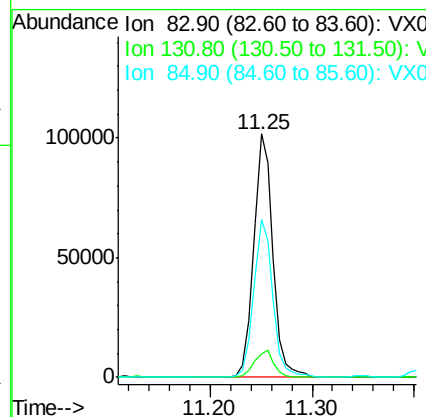
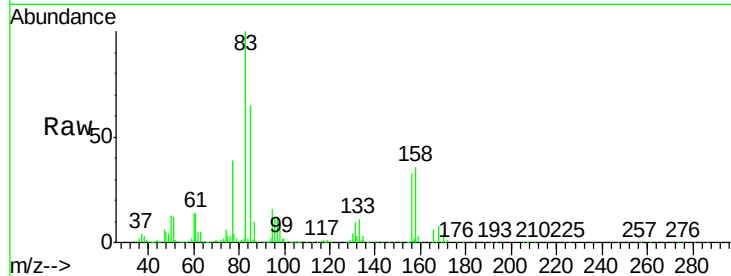
ClientSampled :

VX0916MBS01

Tot Ion:	83	Resp:	133525
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.1	15.4
85	64.9	32.2	96.6

Manual Integrations
APPROVED

MMDadoda
9/17/2020 11:27:14 AM



#76

1,2,3-Trichloropropane

Concen: 17.751 ug/l m

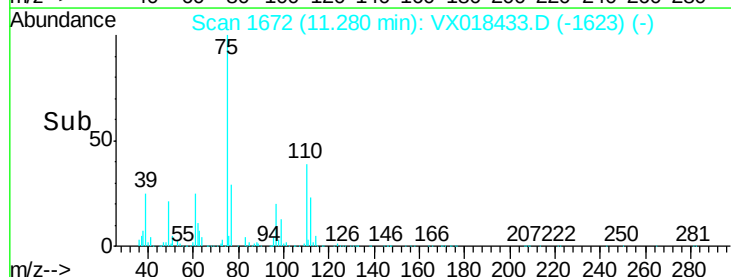
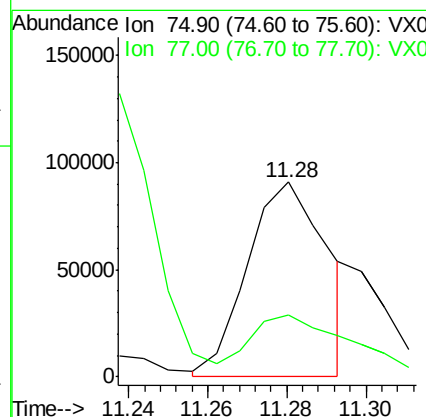
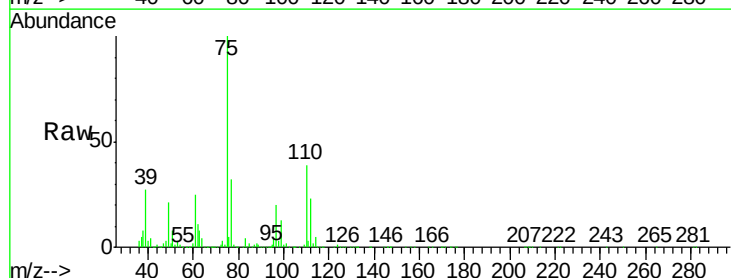
RT: 11.28 min Scan# 1672

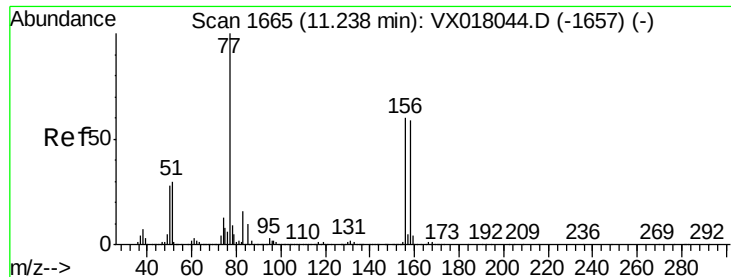
Delta R.T. -0.00 min

Lab File: VX018433.D

Acq: 16 Sep 2020 12:00

Tgt Ion:	75	Resp:	126640
Ion Ratio	Lower	Upper	
75	100		
77	40.7	20.8	62.2





#77

Bromobenzene

Concen: 18.588 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VX018433.D

Acq: 16 Sep 2020 12:00

Instrument :

MSVOA_X

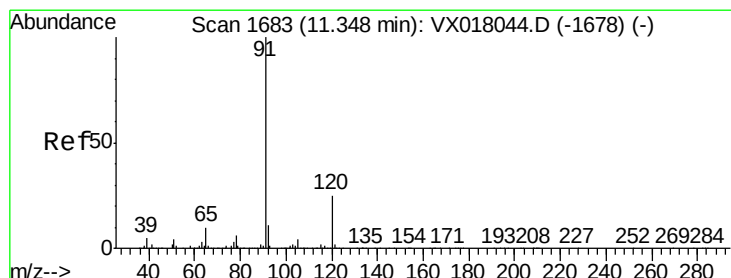
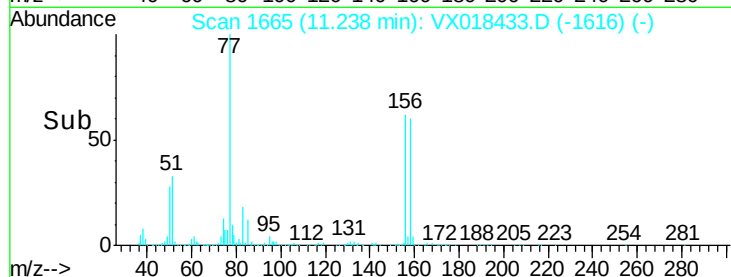
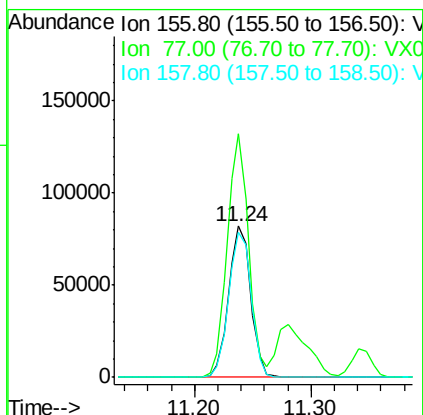
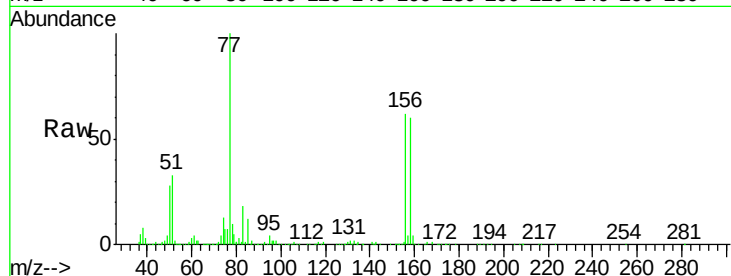
ClientSampleId :

VX0916MBS01

Tot Ion:	156	Resp:	108695
Ion Ratio	Lower	Upper	
156	100		
77	154.4	80.0	240.2
158	97.8	49.5	148.7

Manual Integrations
APPROVED

MMDadoda
9/17/2020 11:27:14 AM



#78

n-propylbenzene

Concen: 19.147 ug/l

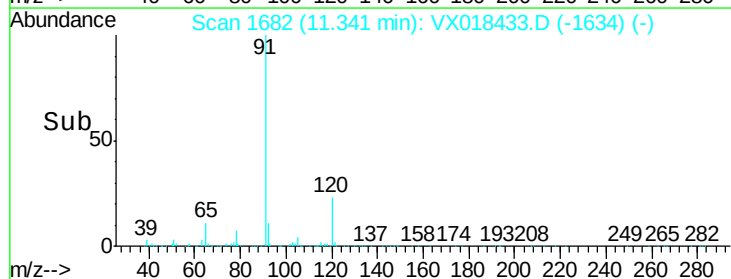
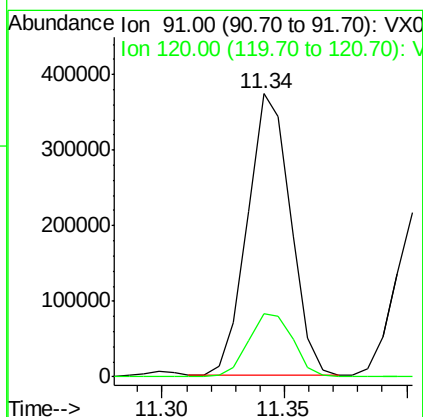
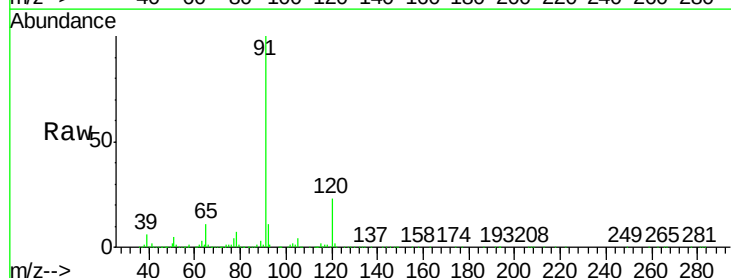
RT: 11.34 min Scan# 1682

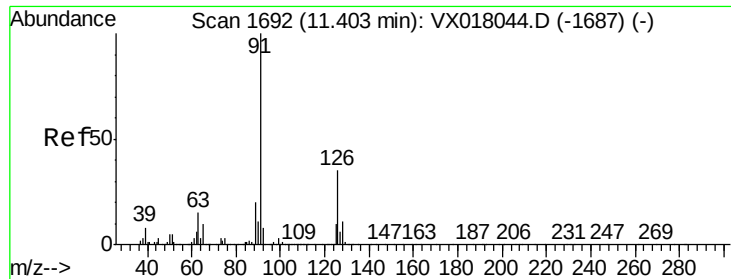
Delta R.T. -0.01 min

Lab File: VX018433.D

Acq: 16 Sep 2020 12:00

Tgt Ion:	91	Resp:	459916
Ion Ratio	Lower	Upper	
91	100		
120	23.6	11.9	35.9





#79

2-Chlorotoluene

Concen: 18.664 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VX018433.D

Acq: 16 Sep 2020 12:00

Instrument :

MSVOA_X

ClientSampleId :

VX0916MBS01

Tot Ion: 91 Resp: 276972

Ion Ratio Lower Upper

91 100

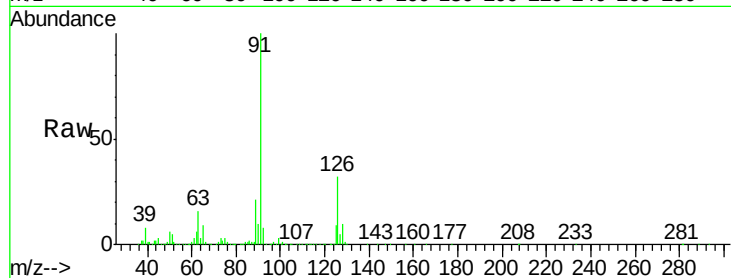
126 34.8 17.4 52.2

Manual Integrations

APPROVED

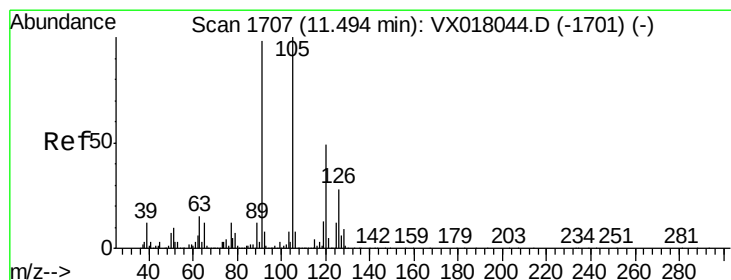
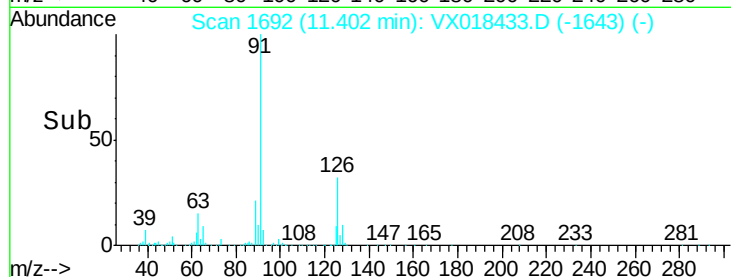
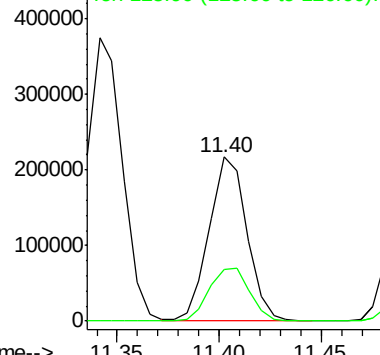
MMDadoda

9/17/2020 11:27:14 AM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.157 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX018433.D

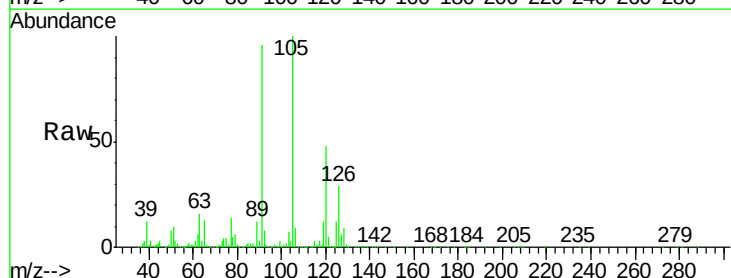
Acq: 16 Sep 2020 12:00

Tgt Ion:105 Resp: 350412

Ion Ratio Lower Upper

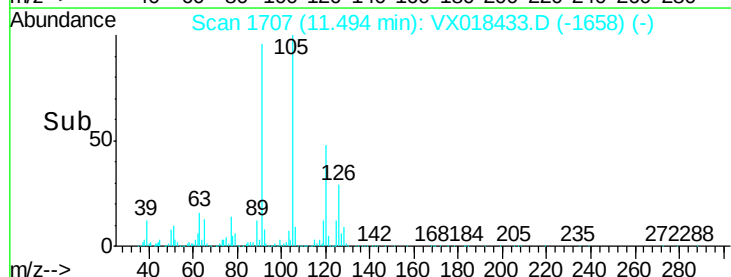
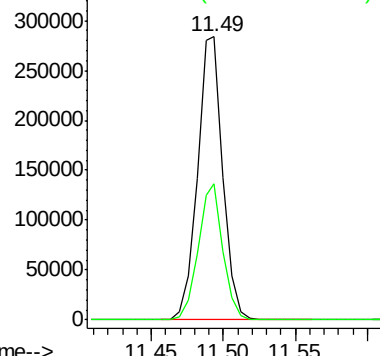
105 100

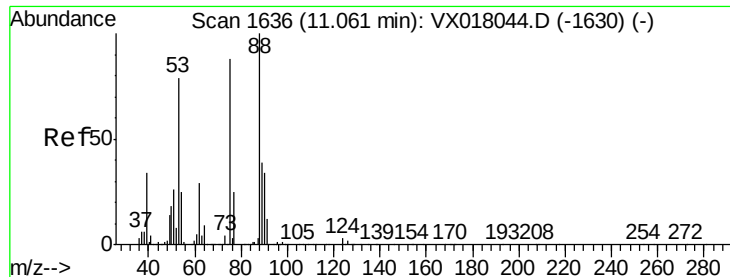
120 46.7 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 17.612 ug/l

RT: 11.05 min Scan# 1635

Delta R.T. -0.01 min

Lab File: VX018433.D

Acq: 16 Sep 2020 12:00

Instrument :

MSVOA_X

ClientSampleId :

VX0916MBS01

Tot Ion: 75 Resp: 46523

Ion Ratio Lower Upper

75 100

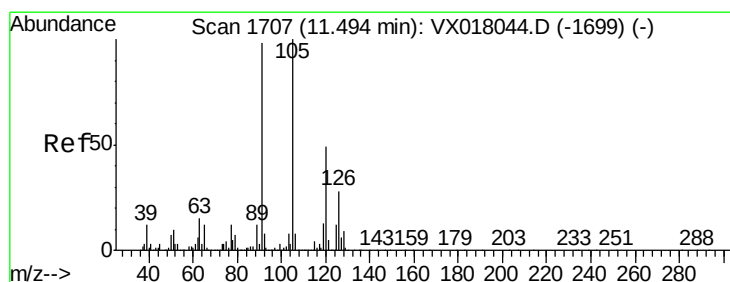
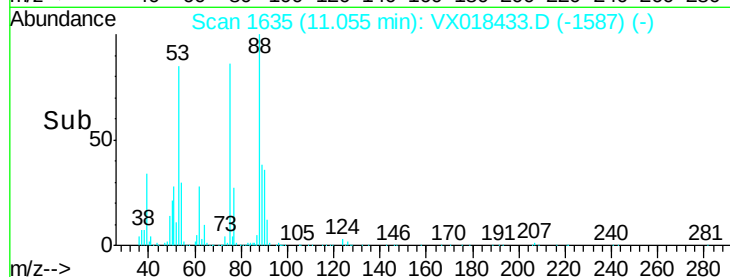
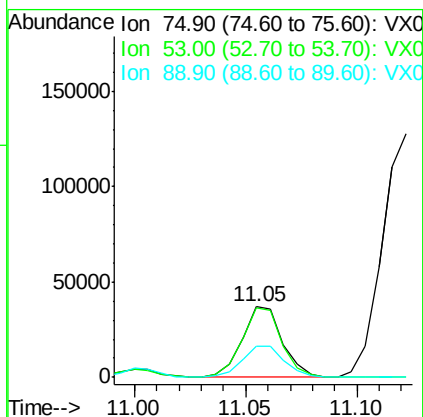
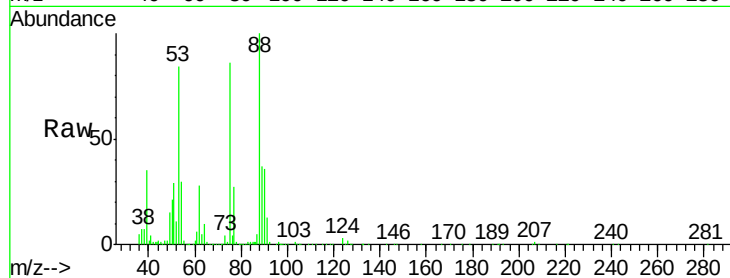
53 97.3 74.7 112.1

89 47.2 36.6 54.8

Manual Integrations
APPROVED

MMDadoda

9/17/2020 11:27:14 AM



#82

4-Chlorotoluene

Concen: 19.006 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX018433.D

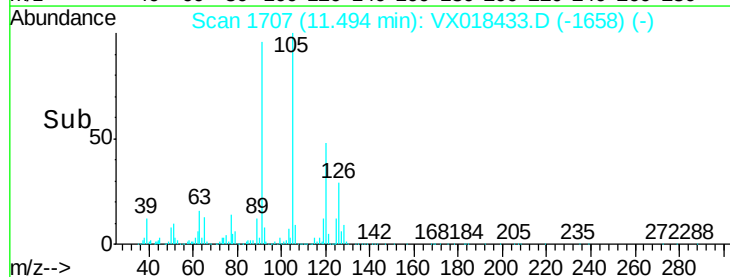
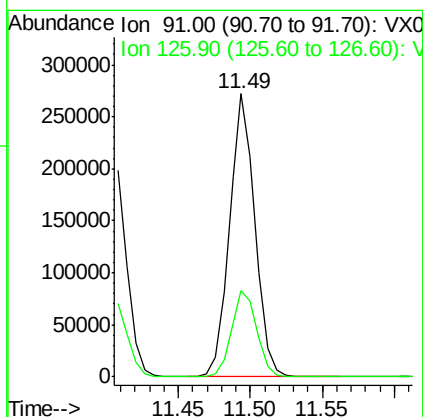
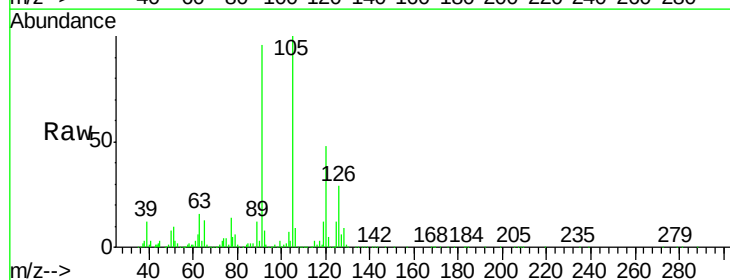
Acq: 16 Sep 2020 12:00

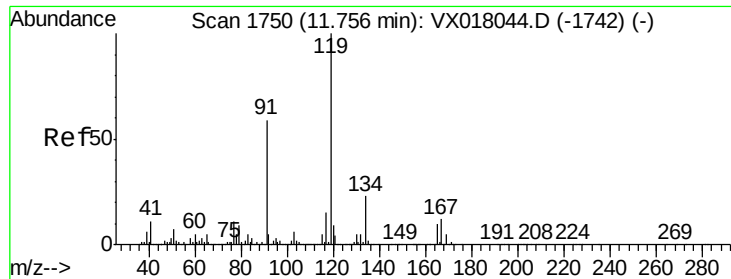
Tgt Ion: 91 Resp: 335297

Ion Ratio Lower Upper

91 100

126 30.7 15.1 45.3





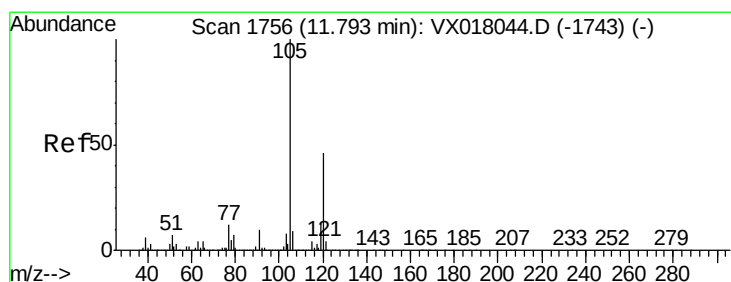
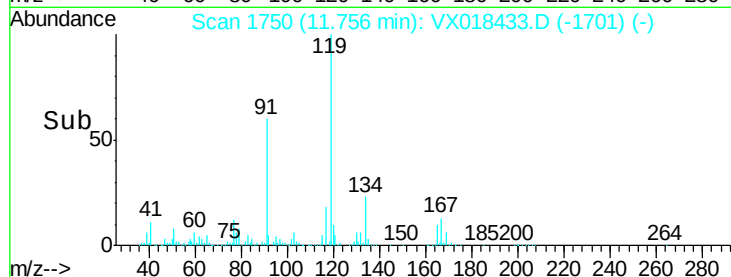
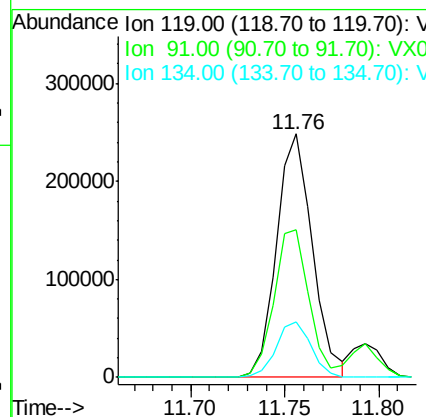
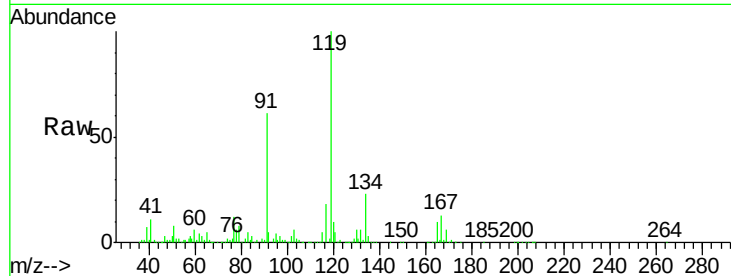
#83
 tert-Butylbenzene
 Concen: 19.095 ug/l
 RT: 11.76 min Scan# 1750
 Delta R.T. -0.00 min
 Lab File: VX018433.D
 Acq: 16 Sep 2020 12:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0916MBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	327588		
91	58.8		28.2	84.7
134	22.4		11.3	33.8

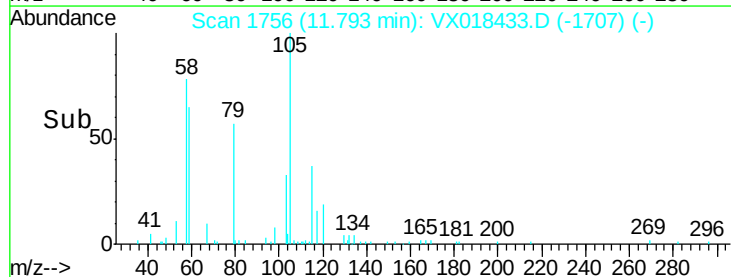
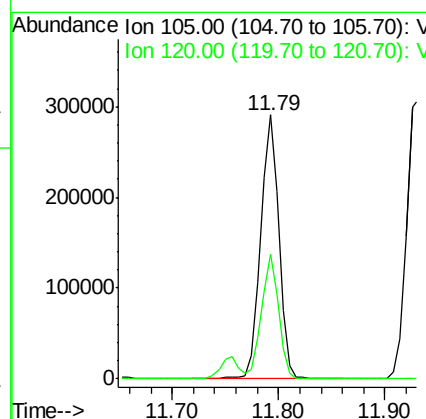
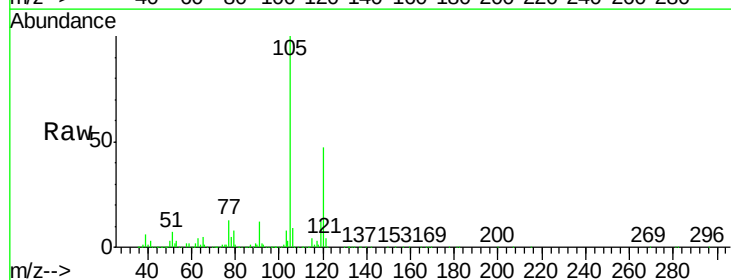
Manual Integrations
 APPROVED

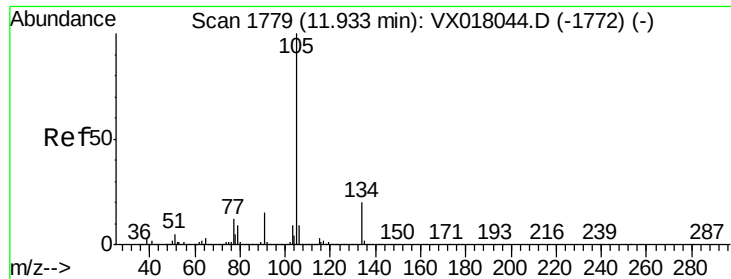
MMDadoda
 9/17/2020 11:27:14 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.680 ug/l
 RT: 11.79 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VX018433.D
 Acq: 16 Sep 2020 12:00

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	349769		
120	44.3		22.3	66.9





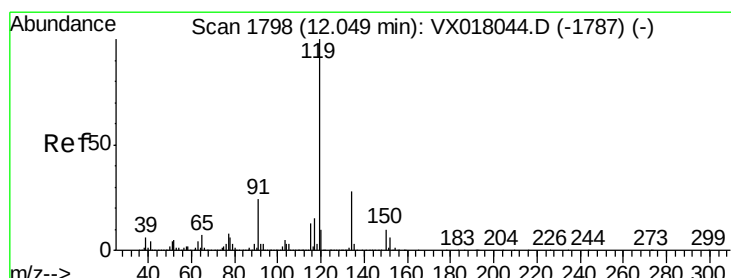
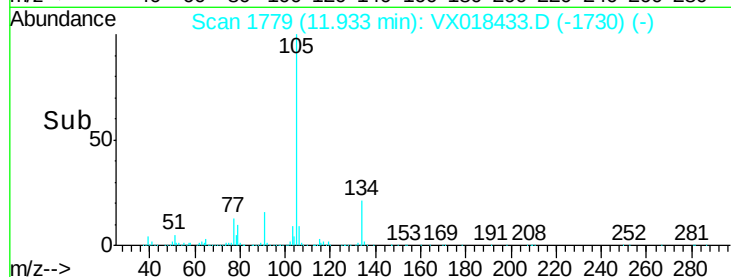
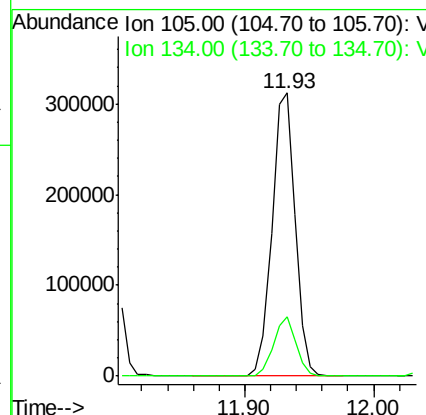
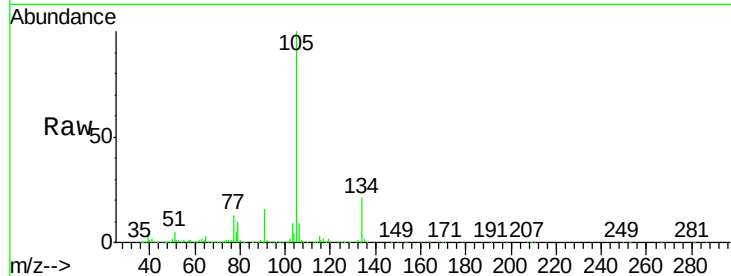
#85
 sec-Butylbenzene
 Concen: 20.019 ug/l
 RT: 11.93 min Scan# 1779
 Delta R.T. -0.00 min
 Lab File: VX018433.D
 Acq: 16 Sep 2020 12:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0916MBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.4	10.1	30.3

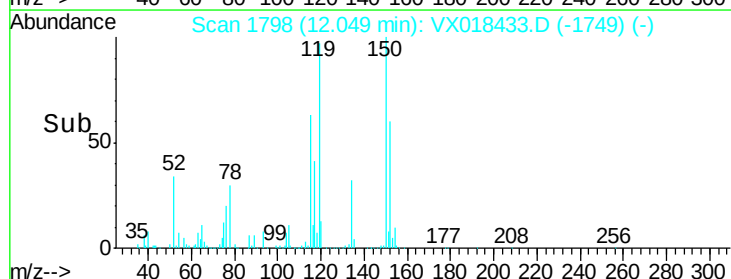
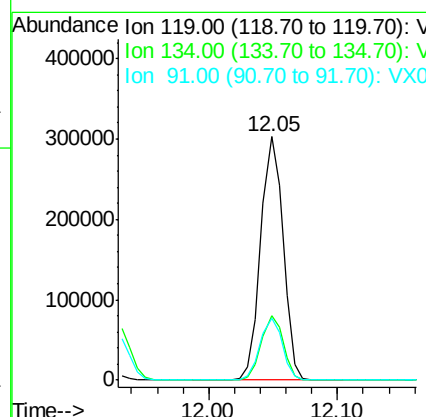
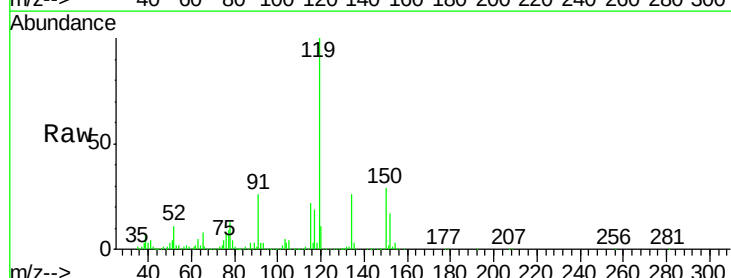
Manual Integrations
 APPROVED

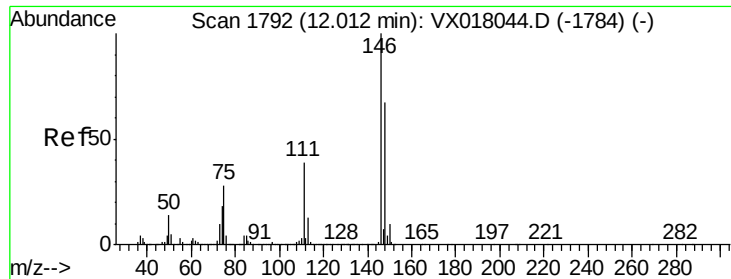
MMDadoda
 9/17/2020 11:27:14 AM



#86
 p-Isopropyltoluene
 Concen: 20.261 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VX018433.D
 Acq: 16 Sep 2020 12:00

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.2	39.5
91	25.4	11.8	35.4





#87

1,3-Dichlorobenzene

Concen: 19.342 ug/l

RT: 12.01 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX018433.D

Acq: 16 Sep 2020 12:00

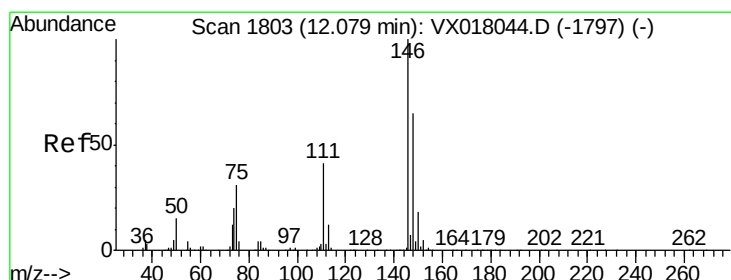
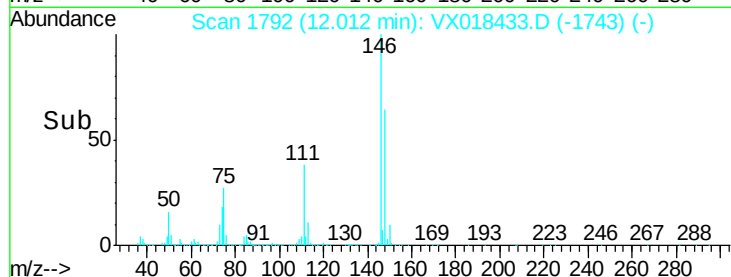
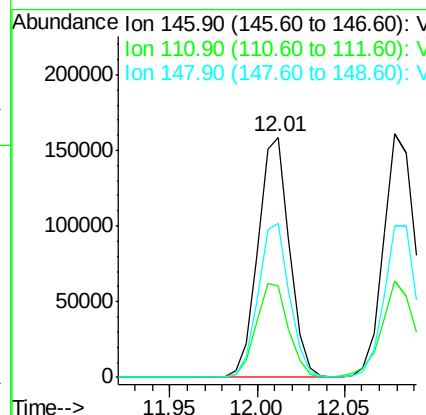
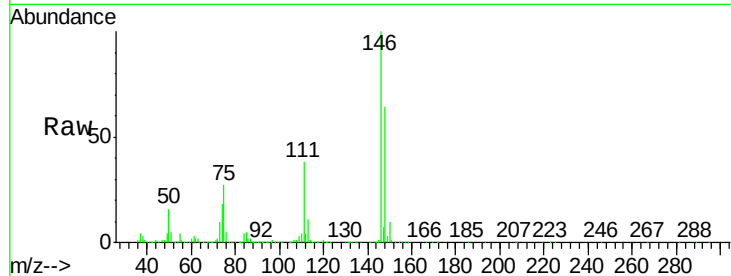
Instrument :
MSVOA_X

ClientSampleId :
VX0916MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.6	61.8
148	63.9	33.1	99.2

Manual Integrations
APPROVED

MMDadoda
9/17/2020 11:27:14 AM



#88

1,4-Dichlorobenzene

Concen: 19.685 ug/l

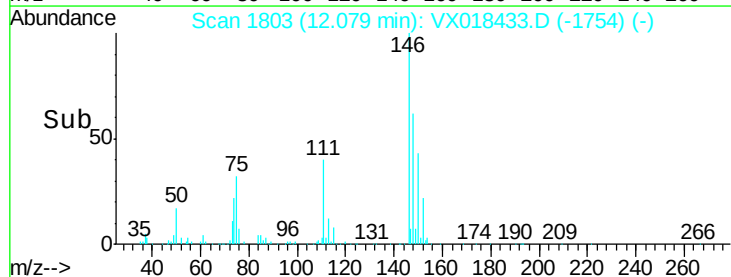
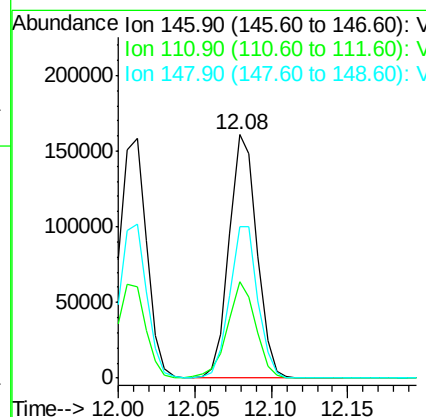
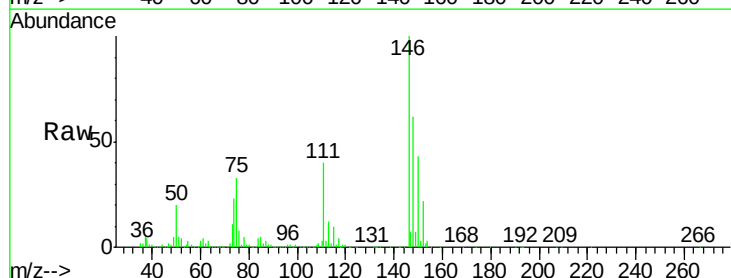
RT: 12.08 min Scan# 1803

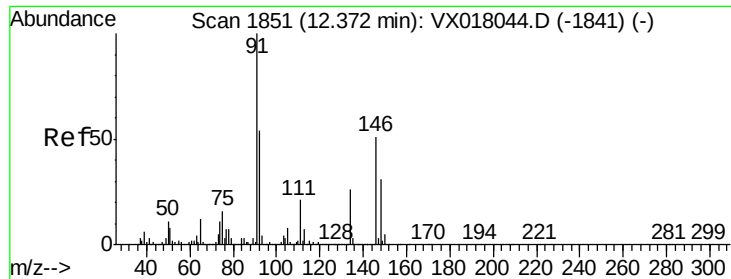
Delta R.T. -0.00 min

Lab File: VX018433.D

Acq: 16 Sep 2020 12:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.3	60.8
148	63.3	33.1	99.2





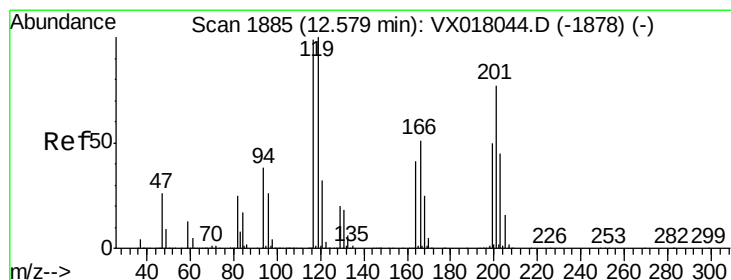
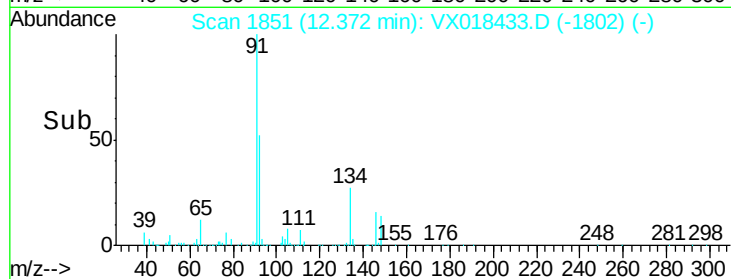
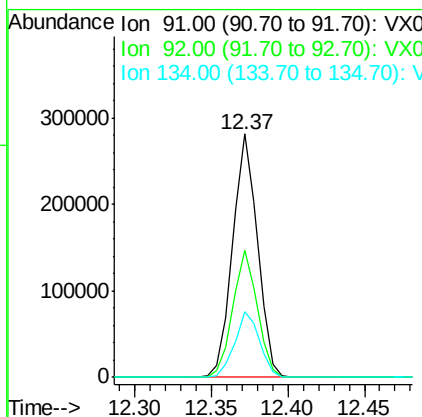
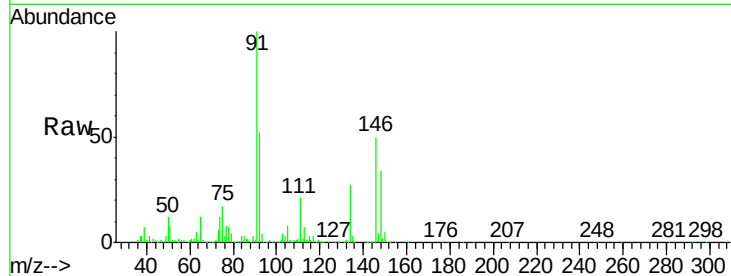
#89
n-Butylbenzene
Concen: 19.382 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX018433.D
Acq: 16 Sep 2020 12:00

Instrument :
MSVOA_X
ClientSampleId :
VX0916MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.4	79.2
134	27.0	12.9	38.7

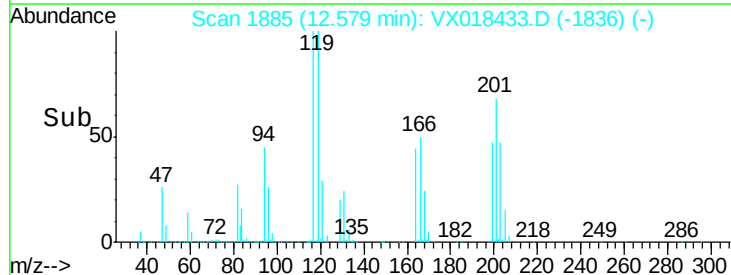
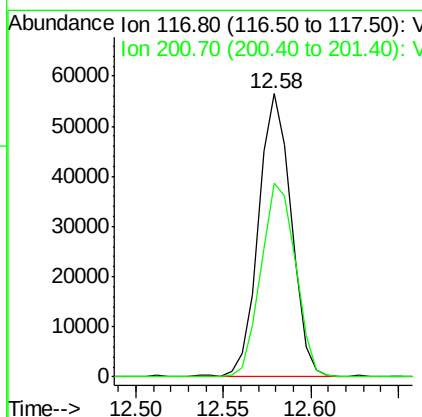
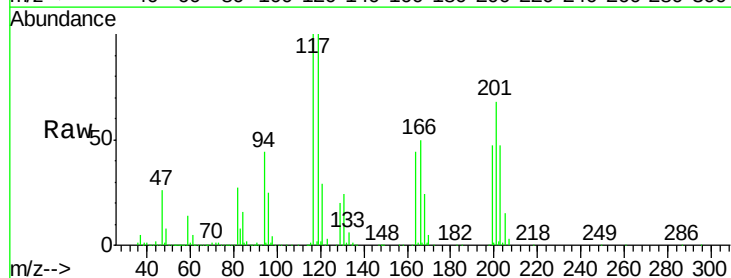
Manual Integrations
APPROVED

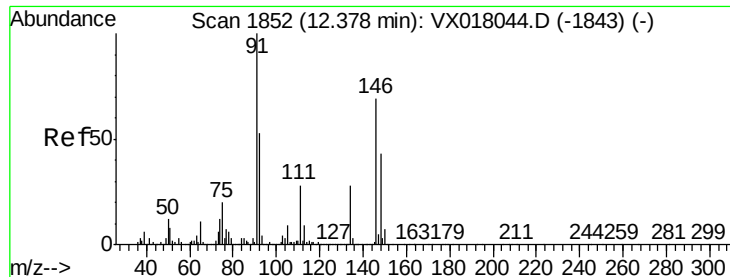
MMDadoda
9/17/2020 11:27:14 AM



#90
Hexachloroethane
Concen: 20.836 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX018433.D
Acq: 16 Sep 2020 12:00

Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.2	38.5	115.3





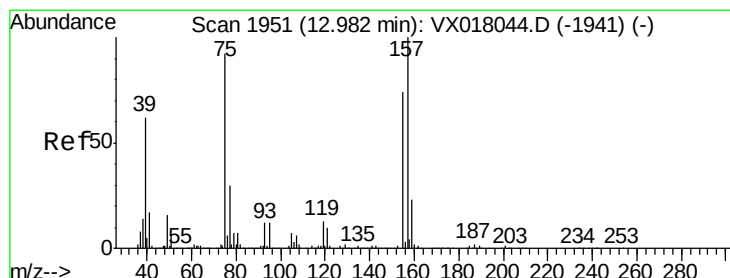
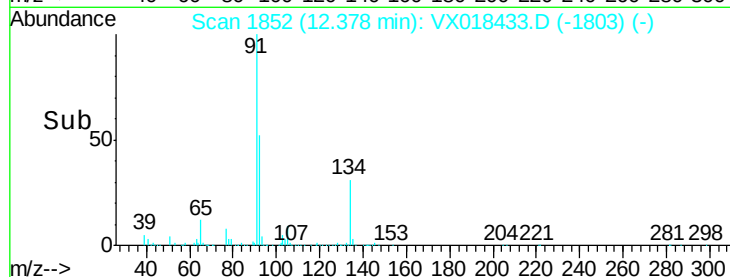
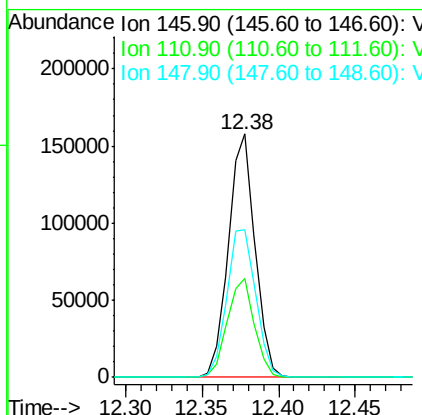
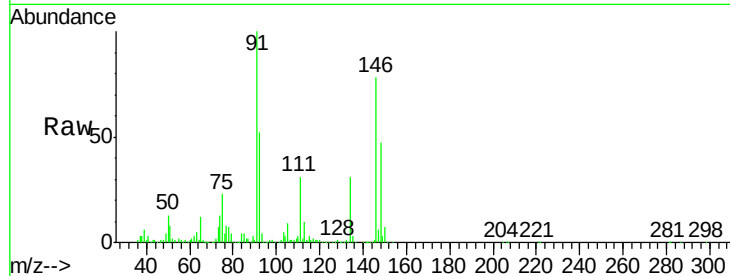
#91
 1,2-Dichlorobenzene
 Concen: 19.759 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VX018433.D
 Acq: 16 Sep 2020 12:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0916MBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	190953		
111	41.2	20.8	62.5	
148	65.6	31.6	95.0	

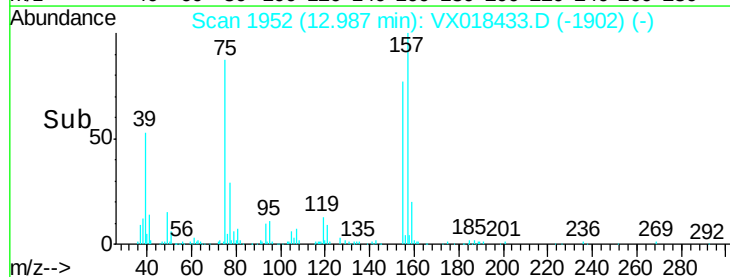
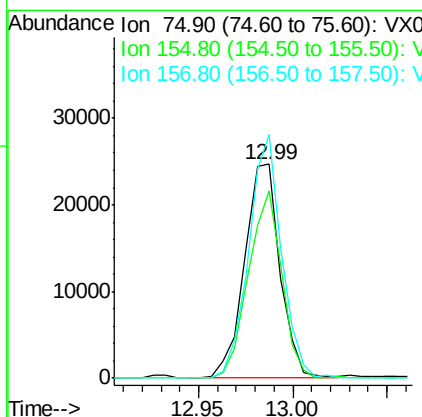
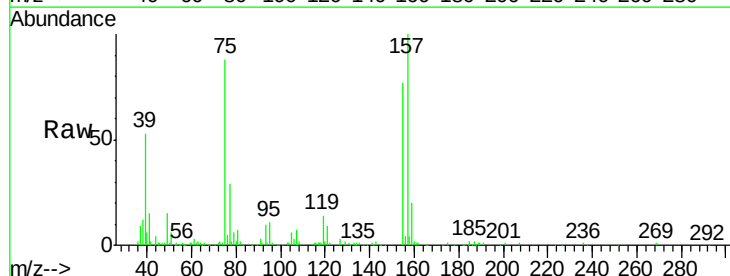
Manual Integrations
 APPROVED

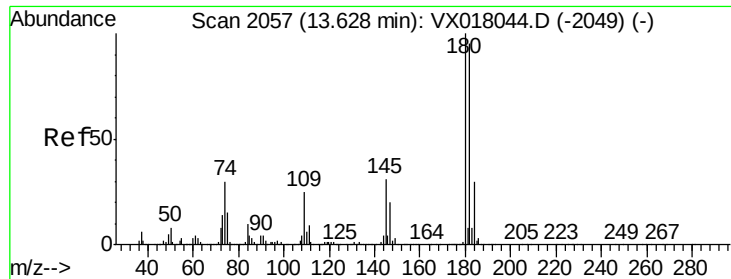
MMDadoda
 9/17/2020 11:27:14 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.324 ug/l
 RT: 12.99 min Scan# 1952
 Delta R.T. 0.01 min
 Lab File: VX018433.D
 Acq: 16 Sep 2020 12:00

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	32326		
155	82.0	40.2	120.6	
157	104.6	55.0	165.2	





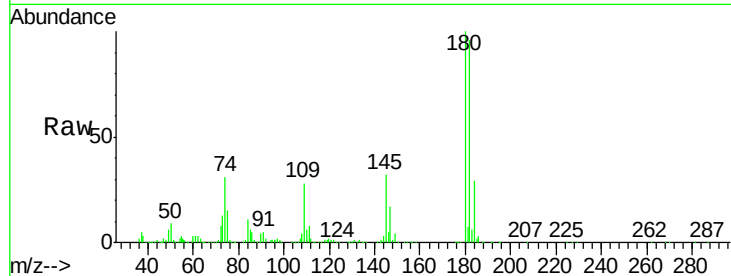
#93
 1,2,4-Trichlorobenzene
 Concen: 19.631 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX018433.D
 Acq: 16 Sep 2020 12:00

Instrument :
 MSVOA_X
 ClientSampled :
 VX0916MBS01

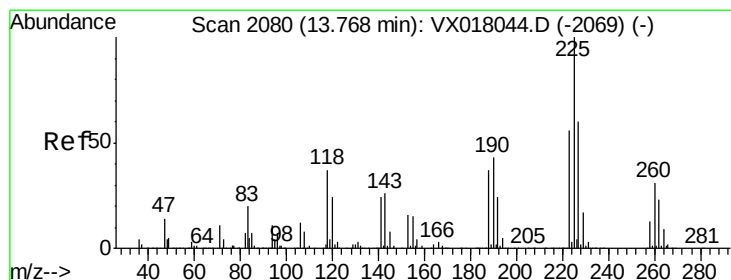
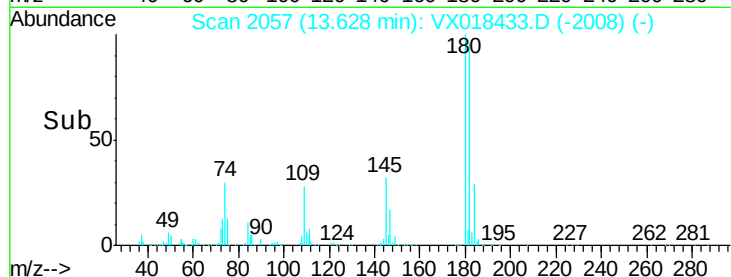
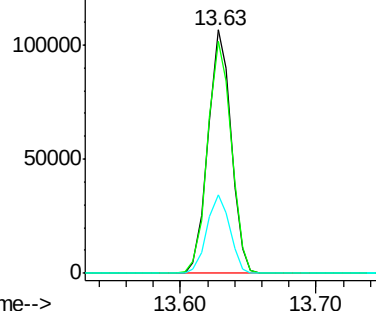
Tot Ion	Ratio	Resp	Lower	Upper
180	100	126508		
182	97.8	47.5	142.6	
145	31.9	15.7	47.1	

Manual Integrations
 APPROVED

MMDadoda
 9/17/2020 11:27:14 AM

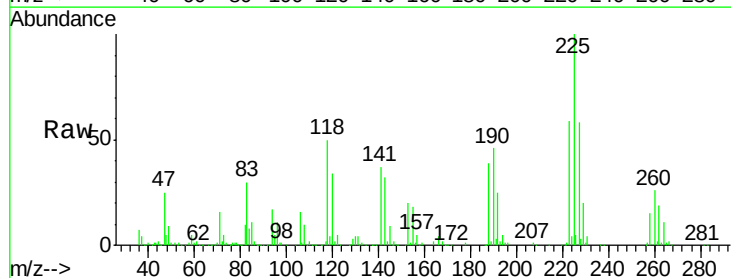


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

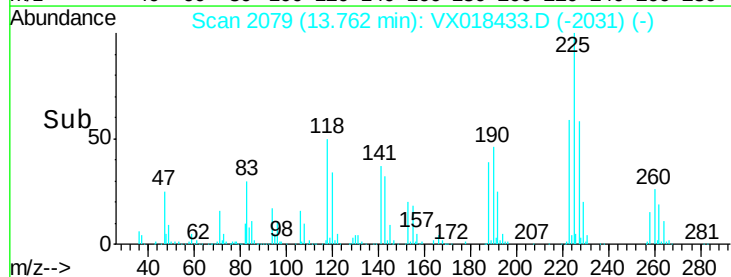
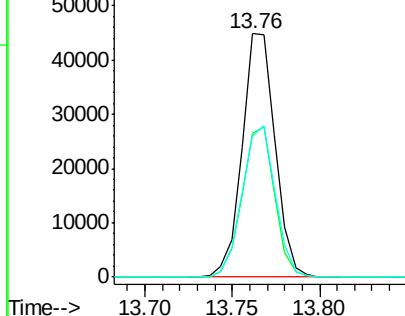


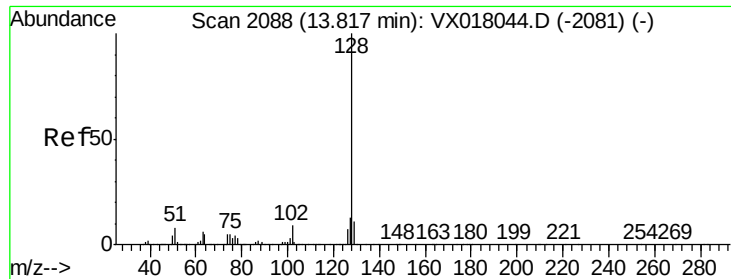
#94
 Hexachlorobutadiene
 Concen: 23.105 ug/l
 RT: 13.76 min Scan# 2079
 Delta R.T. -0.01 min
 Lab File: VX018433.D
 Acq: 16 Sep 2020 12:00

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	58730		
223	60.6	30.7	92.1	
227	62.0	32.6	97.8	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





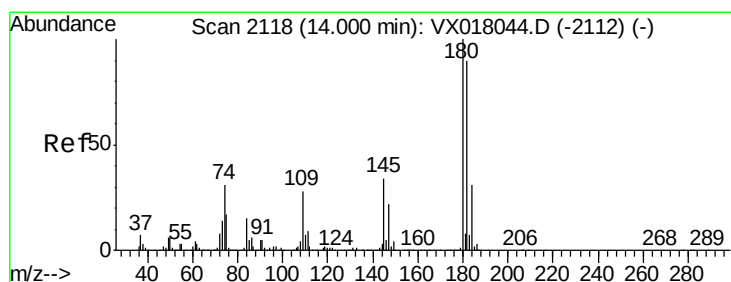
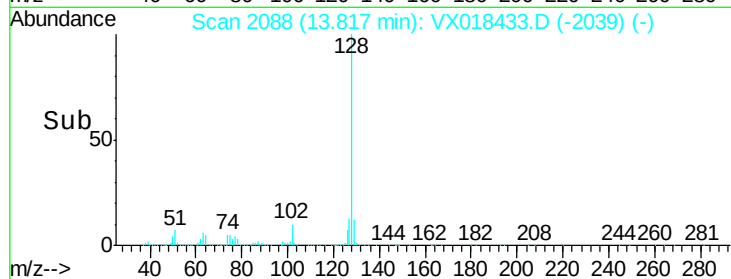
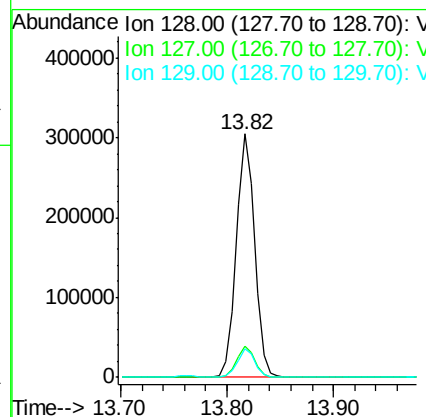
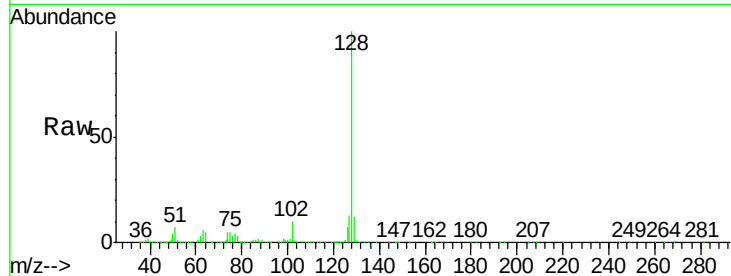
#95
Naphthalene
Concen: 17.457 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. -0.00 min
Lab File: VX018433.D
Acq: 16 Sep 2020 12:00

Instrument :
MSVOA_X
ClientSampleId :
VX0916MBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	11.2	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
9/17/2020 11:27:14 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.592 ug/l
RT: 14.01 min Scan# 2119
Delta R.T. 0.01 min
Lab File: VX018433.D
Acq: 16 Sep 2020 12:00

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.2	47.3	142.0
145	33.7	17.5	52.6

