

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062620\
 Data File : VX016962.D
 Acq On : 25 Jun 2020 19:15
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 6/29/2020 12:32:17 PM

Quant Time: Jun 26 08:25:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062620W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 26 08:15:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	202525	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	346572	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	323153	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	157356	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	15878	5.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.98%	
35) Dibromofluoromethane	5.47	113	11622	5.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.96%	
50) Toluene-d8	8.70	98	41749	5.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.32%	
62) 4-Bromofluorobenzene	11.12	95	15906	4.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	8852	4.134	ug/l	97
3) Chloromethane	1.32	50	12485	5.382	ug/l	97
4) Vinyl Chloride	1.39	62	13285	4.666	ug/l	98
5) Bromomethane	1.62	94	11620	9.850	ug/l	99
6) Chloroethane	1.71	64	8899	5.125	ug/l	88
7) Trichlorofluoromethane	1.92	101	22048	6.200	ug/l	99
8) Diethyl Ether	2.17	74	8282	5.113	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.36	101	11839	5.419	ug/l	98
10) Methyl Iodide	2.49	142	8912	3.720	ug/l	100
11) Tert butyl alcohol	3.02	59	14735	24.258	ug/l	97
12) 1,1-Dichloroethene	2.36	96	11796	5.183	ug/l	92
13) Acrolein	2.28	56	8365	21.233	ug/l	97
14) Allyl chloride	2.70	41	20873	5.134	ug/l	98
15) Acrylonitrile	3.12	53	33338	25.072	ug/l	98
16) Acetone	2.42	43	31491	28.955	ug/l	98
17) Carbon Disulfide	2.55	76	36454	5.227	ug/l	97
18) Methyl Acetate	2.75	43	14307	4.517	ug/l	96
19) Methyl tert-butyl Ether	3.17	73	39000	4.798	ug/l	96
20) Methylene Chloride	2.84	84	14487	5.500	ug/l	94
21) trans-1,2-Dichloroethene	3.14	96	12974	5.117	ug/l	98
22) Diisopropyl ether	3.83	45	40881	5.091	ug/l	88
23) Vinyl Acetate	3.79	43	175124	26.383	ug/l	97
24) 1,1-Dichloroethane	3.67	63	23905	5.248	ug/l	98
25) 2-Butanone	4.64	43	45441	25.956	ug/l	92
26) 2,2-Dichloropropane	4.55	77	19015	4.786	ug/l	96
27) cis-1,2-Dichloroethene	4.57	96	14733	5.153	ug/l	93
28) Bromochloromethane	4.98	49	11446	5.678	ug/l	98
29) Tetrahydrofuran	5.10	42	29676	25.611	ug/l	97
30) Chloroform	5.18	83	23510	5.207	ug/l	99
31) Cyclohexane	5.55	56	19811	4.696	ug/l #	95
32) 1,1,1-Trichloroethane	5.46	97	21359	5.239	ug/l	98
36) 1,1-Dichloropropene	5.77	75	16926	5.083	ug/l	94
37) Ethyl Acetate	4.80	43	17338	5.112	ug/l #	92
38) Carbon Tetrachloride	5.76	117	18426	5.887	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062620\
 Data File : VX016962.D
 Acq On : 25 Jun 2020 19:15
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 6/29/2020 12:32:17 PM

Quant Time: Jun 26 08:25:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062620W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 26 08:15:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	18464	4.636	ug/l	97
40) Benzene	6.11	78	50260	5.188	ug/l	98
41) Methacrylonitrile	5.01	41	9951	5.211	ug/l	97
42) 1,2-Dichloroethane	6.17	62	19657	5.668	ug/l	95
43) Isopropyl Acetate	6.42	43	30792	5.533	ug/l	95
44) Trichloroethene	7.19	130	13198	4.523	ug/l	81
45) 1,2-Dichloropropane	7.49	63	13362	5.370	ug/l	92
46) Dibromomethane	7.64	93	9384	5.626	ug/l	96
47) Bromodichloromethane	7.87	83	19108	5.593	ug/l	89
48) Methyl methacrylate	7.75	41	13281	4.858	ug/l	91
49) 1,4-Dioxane	7.72	88	6196	103.741	ug/l	99
51) 4-Methyl-2-Pentanone	8.62	43	87545	26.851	ug/l	98
52) Toluene	8.76	92	30850	5.032	ug/l	97
53) t-1,3-Dichloropropene	9.02	75	20001	4.941	ug/l	95
54) cis-1,3-Dichloropropene	8.41	75	20412	4.823	ug/l	89
55) 1,1,2-Trichloroethane	9.20	97	13028	5.317	ug/l	93
56) Ethyl methacrylate	9.16	69	17055	4.346	ug/l	95
57) 1,3-Dichloropropane	9.35	76	21506	5.131	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.29	63	47302	24.236	ug/l	99
59) 2-Hexanone	9.48	43	63415	25.650	ug/l	100
60) Dibromochloromethane	9.57	129	13384	5.377	ug/l	98
61) 1,2-Dibromoethane	9.65	107	12958	5.087	ug/l	96
64) Tetrachloroethene	9.32	164	11229	3.684	ug/l	96
65) Chlorobenzene	10.12	112	32585	5.064	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.21	131	12490	5.414	ug/l	98
67) Ethyl Benzene	10.24	91	57159	4.821	ug/l	98
68) m/p-Xylenes	10.34	106	42248	9.700	ug/l	100
69) o-Xylene	10.68	106	19813	4.678	ug/l	98
70) Styrene	10.70	104	32886	4.512	ug/l	99
71) Bromoform	10.84	173	9194	5.696	ug/l #	98
73) Isopropylbenzene	11.00	105	54040	4.668	ug/l	99
74) N-amyl acetate	10.88	43	24083	4.707	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.25	83	18549	6.657	ug/l	97
76) 1,2,3-Trichloropropane	11.28	75	17451m	5.170	ug/l	
77) Bromobenzene	11.24	156	14216	5.318	ug/l	98
78) n-propylbenzene	11.34	91	62194	4.544	ug/l	100
79) 2-Chlorotoluene	11.40	91	39007	4.838	ug/l	97
80) 1,3,5-Trimethylbenzene	11.49	105	44794	4.559	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.06	75	6000	4.104	ug/l	91
82) 4-Chlorotoluene	11.49	91	45075	4.679	ug/l	99
83) tert-Butylbenzene	11.76	119	42843	5.051	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	45399	4.498	ug/l	99
85) sec-Butylbenzene	11.93	105	50757	4.484	ug/l	97
86) p-Isopropyltoluene	12.05	119	45739	4.426	ug/l	98
87) 1,3-Dichlorobenzene	12.01	146	25702	5.229	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	26611	5.266	ug/l	91
89) n-Butylbenzene	12.37	91	42555	4.390	ug/l	97
90) Hexachloroethane	12.58	117	9343	5.556	ug/l	99
91) 1,2-Dichlorobenzene	12.38	146	24230	5.135	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	12.98	75	4226	5.032	ug/l	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062620\
Data File : VX016962.D
Acq On : 25 Jun 2020 19:15
Operator : JC/SP
Sample : VSTDICC005
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

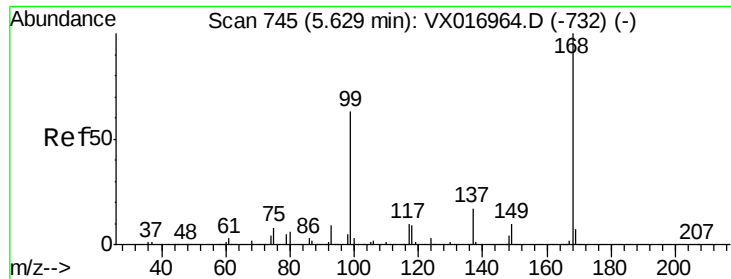
Manual Integrations
APPROVED

MMDadoda
6/29/2020 12:32:17 PM

Quant Time: Jun 26 08:25:58 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062620W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 26 08:15:40 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	14847	4.849	ug/l	94
94) Hexachlorobutadiene	13.77	225	5544	5.126	ug/l	85
95) Naphthalene	13.82	128	48009	4.384	ug/l	100
96) 1,2,3-Trichlorobenzene	14.00	180	14536	5.001	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX016962.D

Acq: 25 Jun 2020 19:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 202525

Ion Ratio Lower Upper

168 100

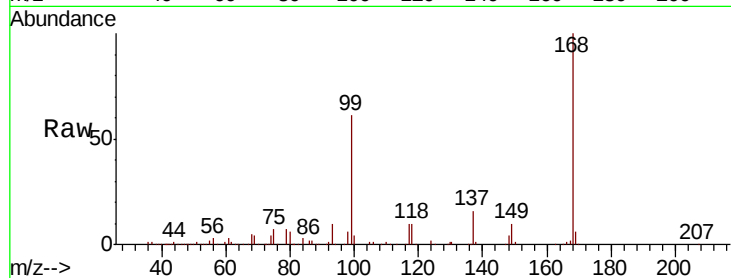
99 61.0 50.2 75.2

Manual Integrations

APPROVED

MMDadoda

6/29/2020 12:32:17 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

80000

60000

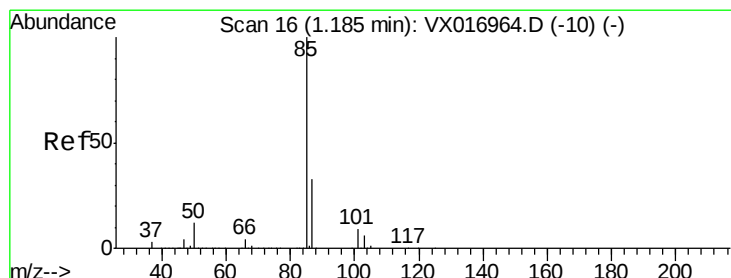
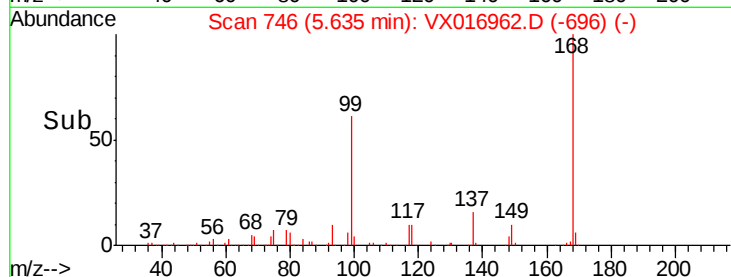
40000

20000

0

Time-->

5.50 5.60 5.70



#2

Dichlorodifluoromethane

Concen: 4.134 ug/l

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX016962.D

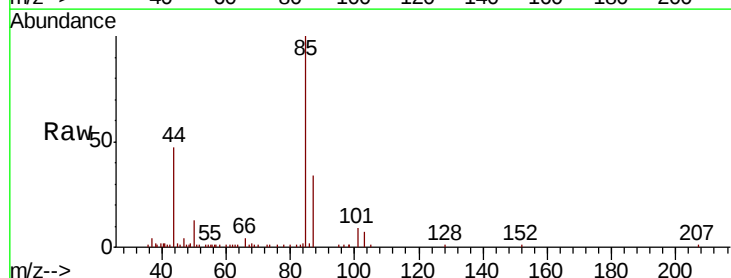
Acq: 25 Jun 2020 19:15

Tgt Ion: 85 Resp: 8852

Ion Ratio Lower Upper

85 100

87 34.1 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

10000

8000

6000

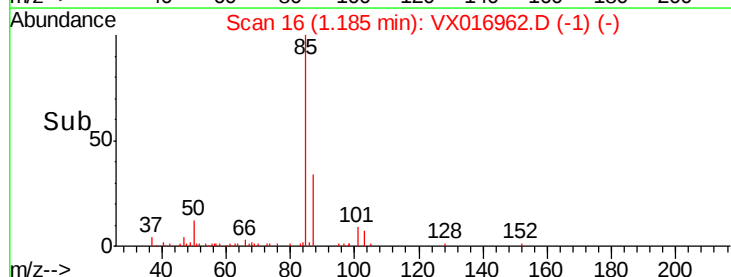
4000

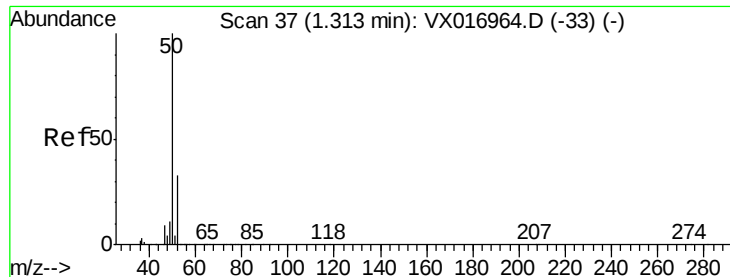
2000

0

Time-->

1.15 1.20 1.25





#3

Chloromethane

Concen: 5.382 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX016962.D

Acq: 25 Jun 2020 19:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 12485

Ion Ratio Lower Upper

50 100

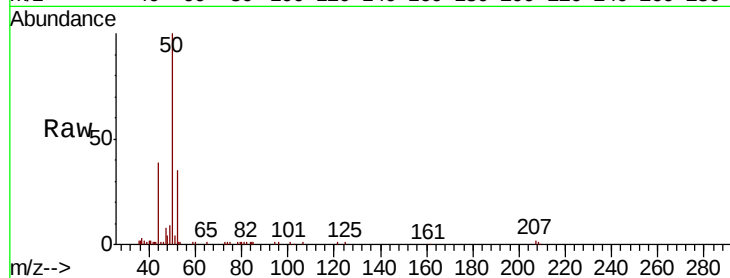
52 34.8 26.6 40.0

Manual Integrations

APPROVED

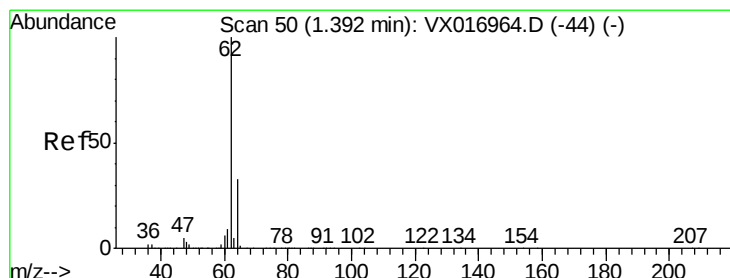
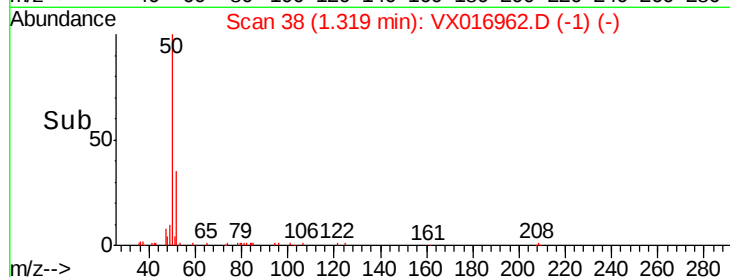
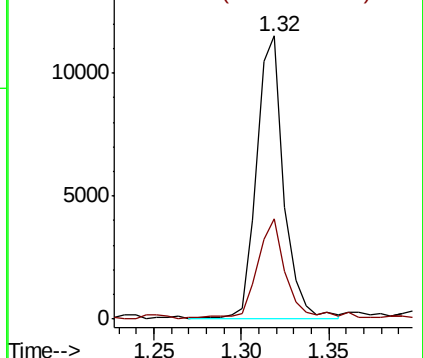
MMDadoda

6/29/2020 12:32:17 PM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 4.666 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016962.D

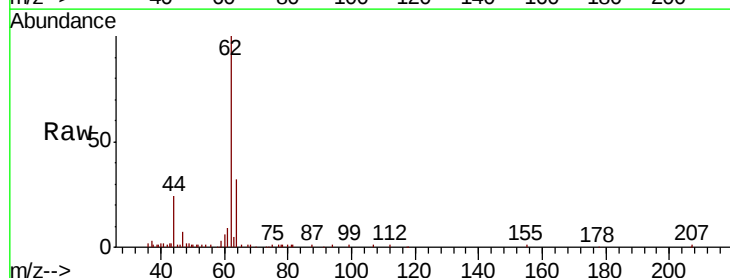
Acq: 25 Jun 2020 19:15

Tgt Ion: 62 Resp: 13285

Ion Ratio Lower Upper

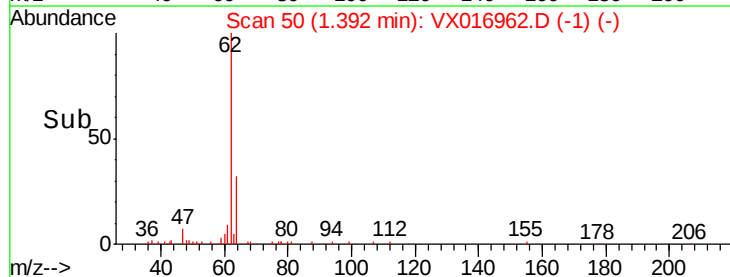
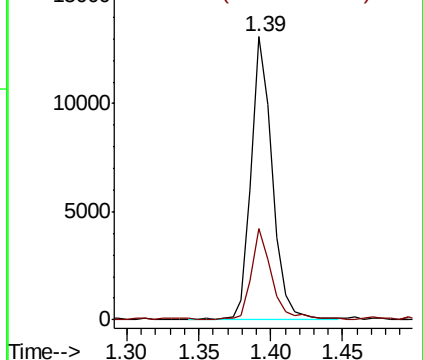
62 100

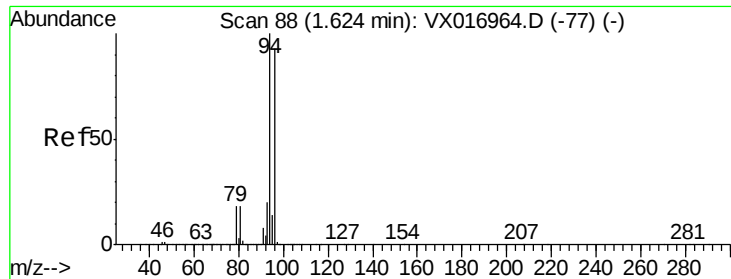
64 31.9 26.3 39.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 9.850 ug/l

RT: 1.62 min Scan# 88

Delta R.T. -0.00 min

Lab File: VX016962.D

Acq: 25 Jun 2020 19:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 11620

Ion Ratio Lower Upper

94 100

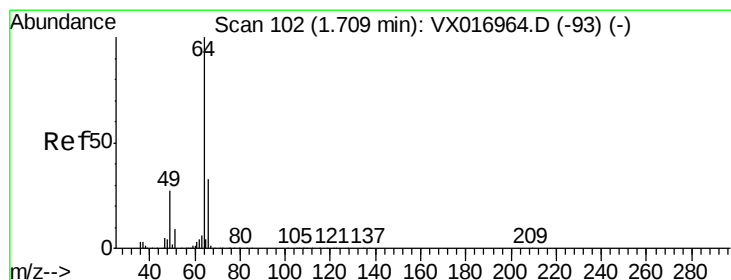
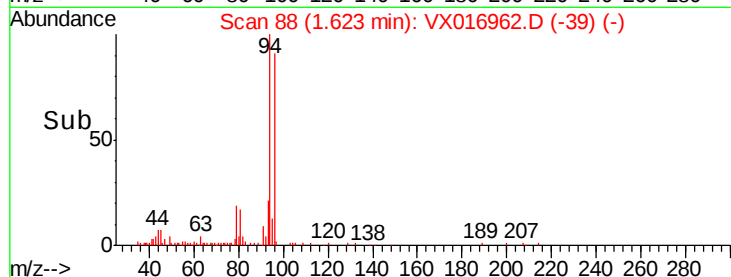
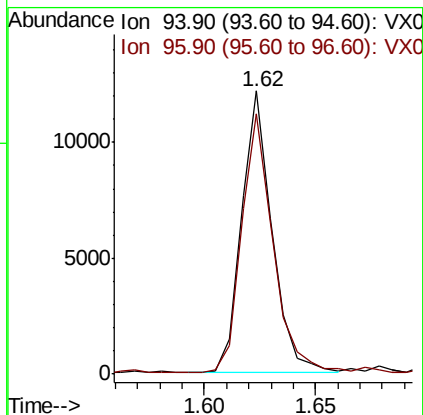
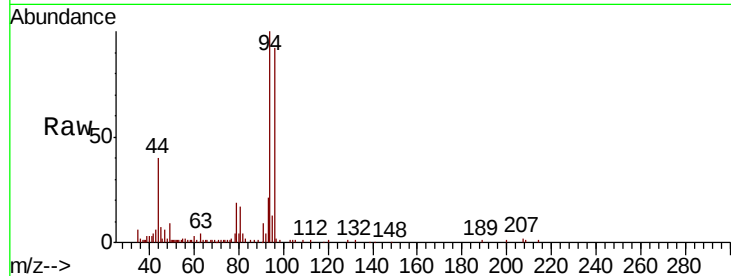
96 91.7 74.2 111.2

Manual Integrations

APPROVED

MMDadoda

6/29/2020 12:32:17 PM



#6

Chloroethane

Concen: 5.125 ug/l

RT: 1.71 min Scan# 102

Delta R.T. -0.00 min

Lab File: VX016962.D

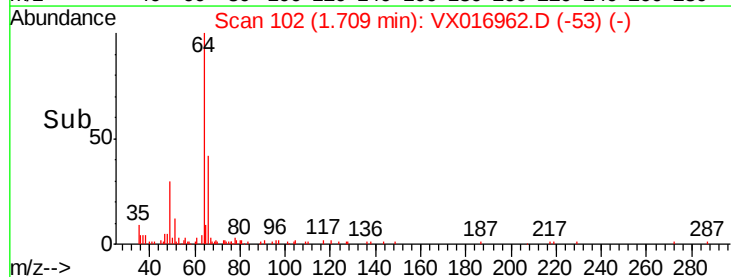
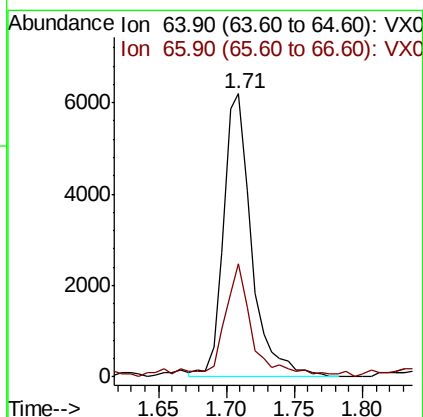
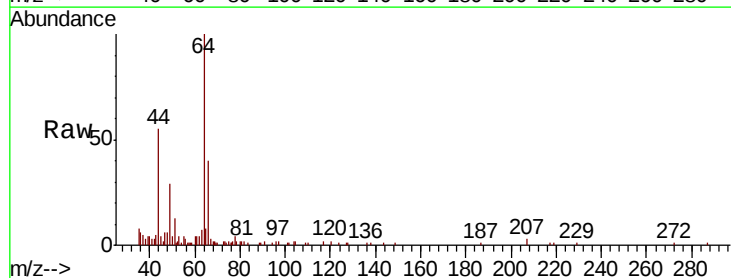
Acq: 25 Jun 2020 19:15

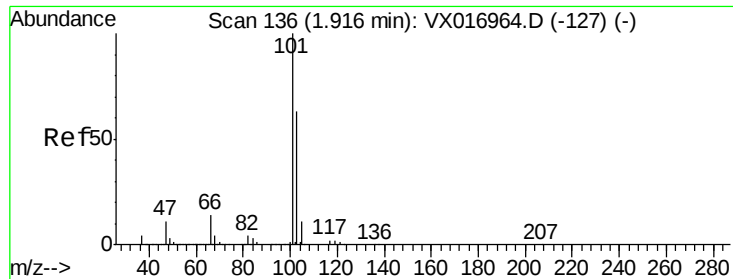
Tgt Ion: 64 Resp: 8899

Ion Ratio Lower Upper

64 100

66 39.2 26.2 39.2





#7

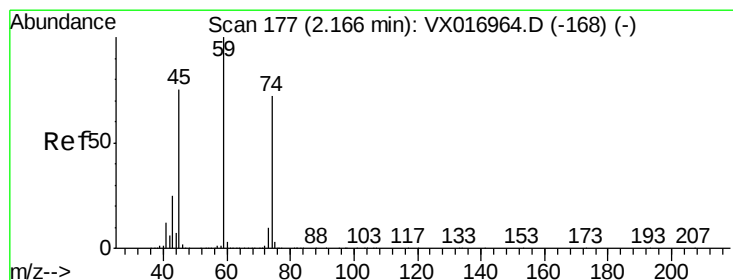
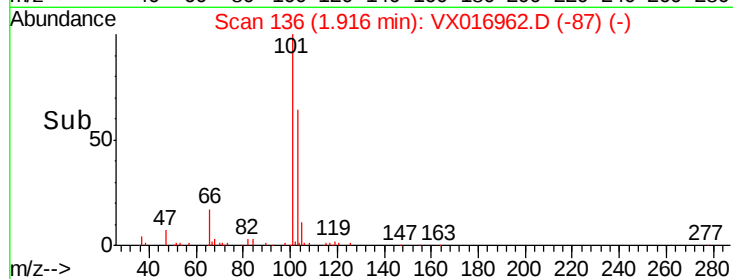
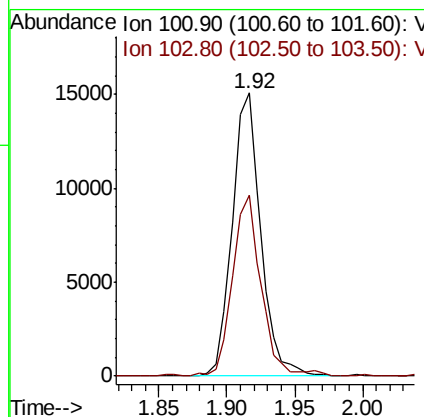
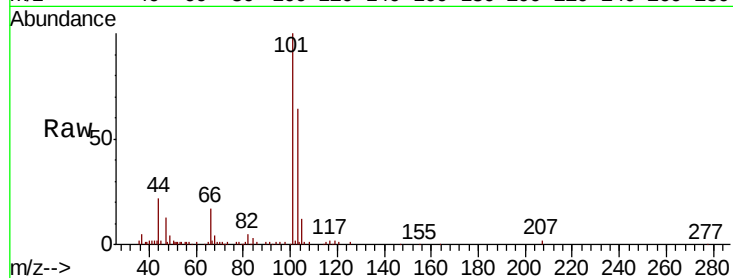
Trichlorofluoromethane
 Concen: 6.200 ug/l
 RT: 1.92 min Scan# 136
 Delta R.T. -0.00 min
 Lab File: VX016962.D
 Acq: 25 Jun 2020 19:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	50.2	75.4

Manual Integrations
 APPROVED

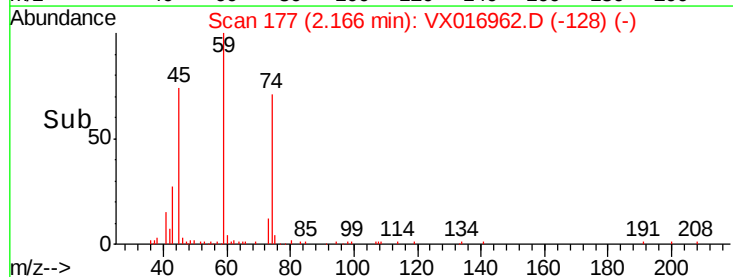
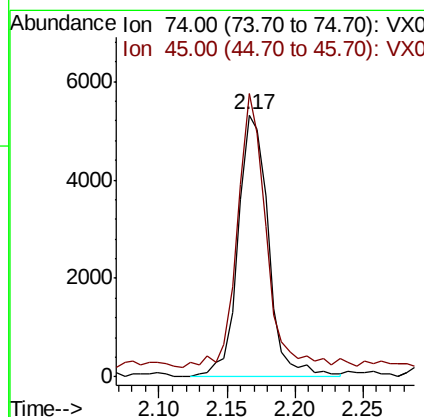
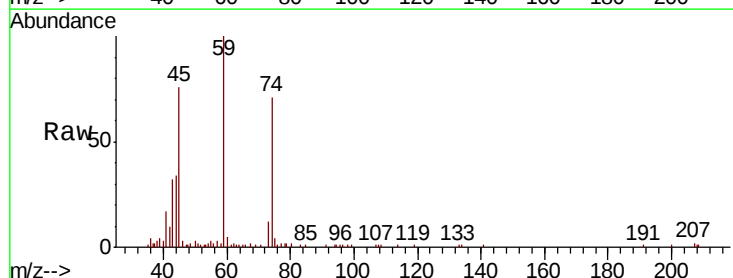
MMDadoda
 6/29/2020 12:32:17 PM

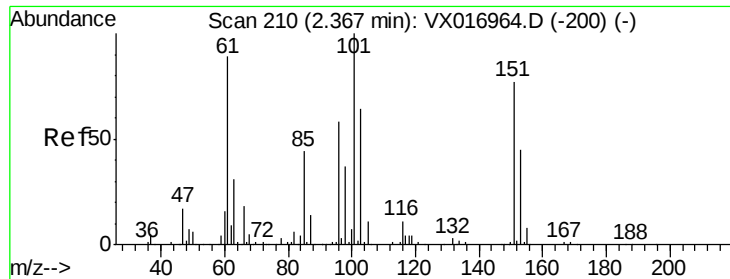


#8

Diethyl Ether
 Concen: 5.113 ug/l
 RT: 2.17 min Scan# 177
 Delta R.T. -0.00 min
 Lab File: VX016962.D
 Acq: 25 Jun 2020 19:15

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.6	50.5	151.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.419 ug/l

RT: 2.36 min Scan# 209

Delta R.T. -0.01 min

Lab File: VX016962.D

Acq: 25 Jun 2020 19:15

Instrument :

MSVOA_X

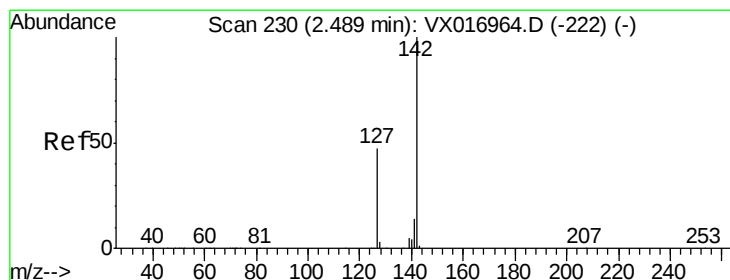
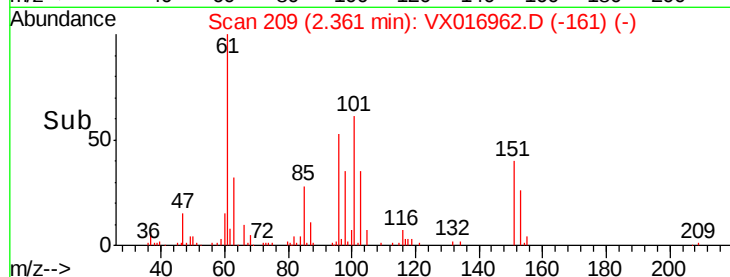
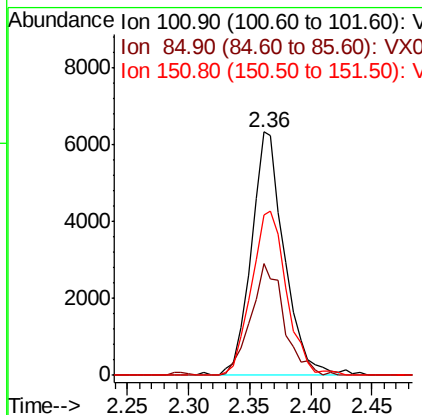
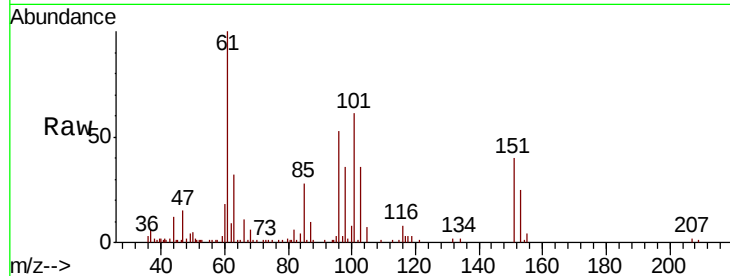
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	11839
Ion Ratio	Lower	Upper	
101	100		
85	46.6	36.8	55.2
151	72.2	59.8	89.6

Manual Integrations
APPROVED

MMDadoda
6/29/2020 12:32:17 PM



#10

Methyl Iodide

Concen: 3.720 ug/l

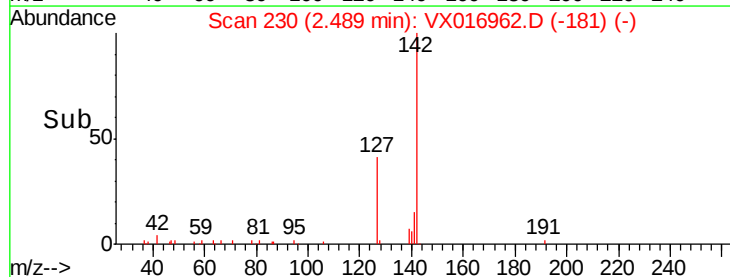
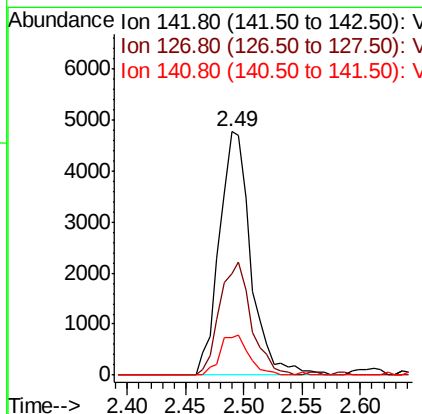
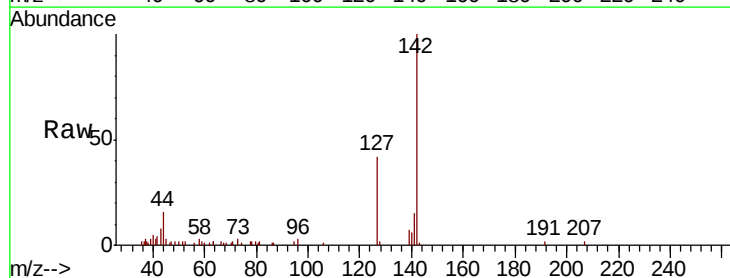
RT: 2.49 min Scan# 230

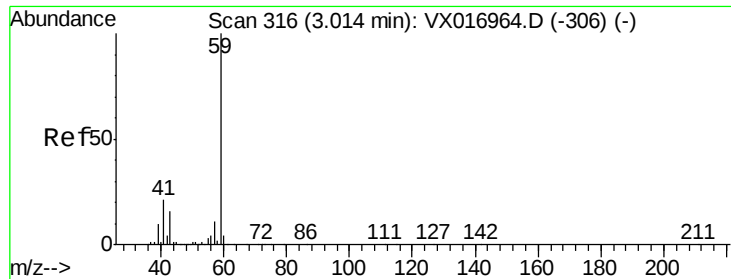
Delta R.T. -0.00 min

Lab File: VX016962.D

Acq: 25 Jun 2020 19:15

Tgt Ion:	142	Resp:	8912
Ion Ratio	Lower	Upper	
142	100		
127	46.5	37.4	56.0
141	14.8	11.7	17.5





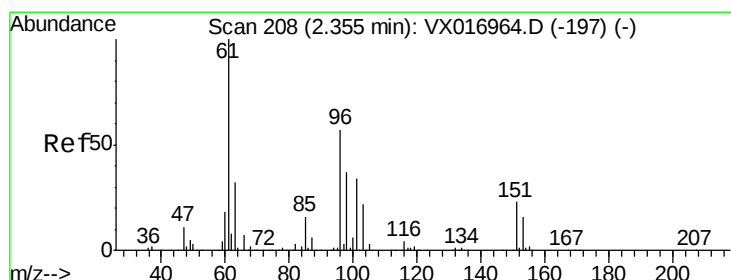
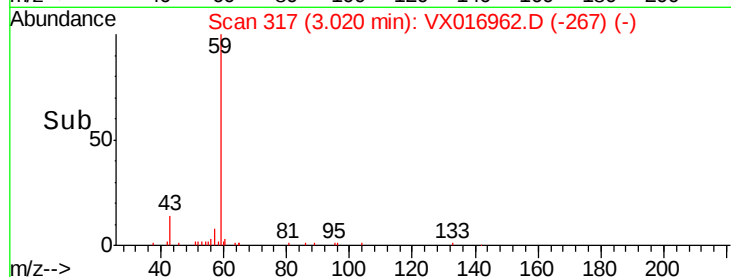
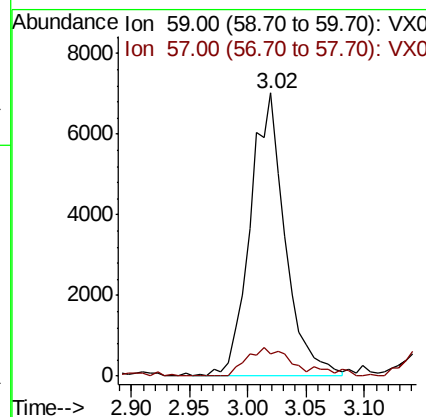
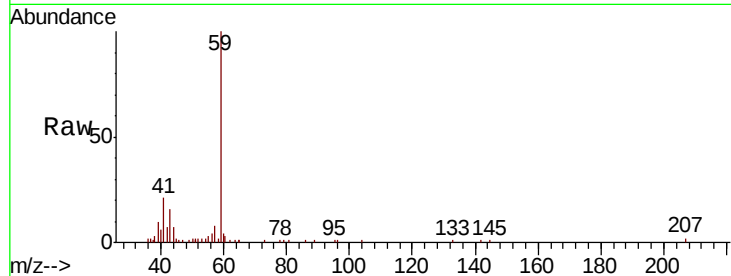
#11
Tert butyl alcohol
Concen: 24.258 ug/l
RT: 3.02 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX016962.D
Acq: 25 Jun 2020 19:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.8	8.5	12.7

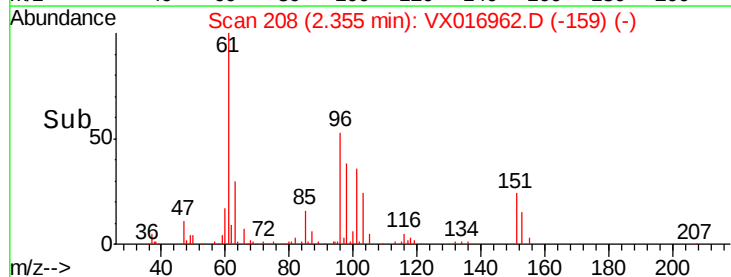
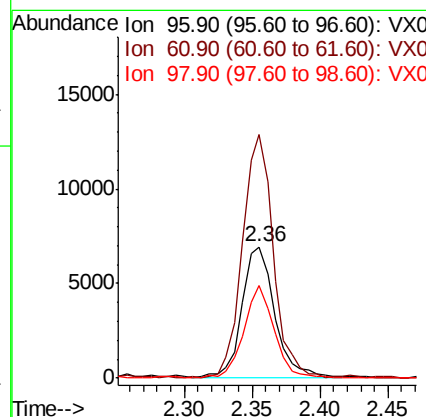
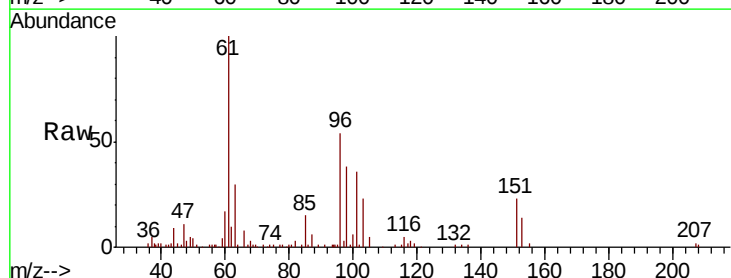
Manual Integrations
APPROVED

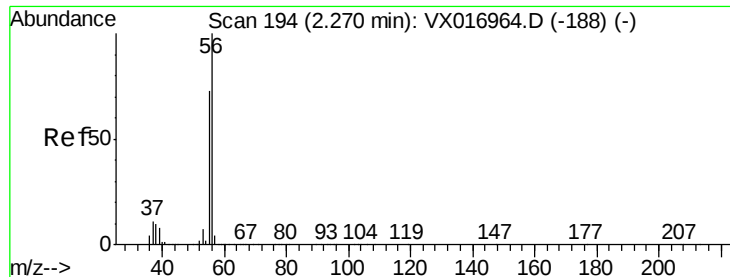
MMDadoda
6/29/2020 12:32:17 PM



#12
1,1-Dichloroethene
Concen: 5.183 ug/l
RT: 2.36 min Scan# 208
Delta R.T. -0.00 min
Lab File: VX016962.D
Acq: 25 Jun 2020 19:15

Tgt Ion	Ratio	Lower	Upper
96	100		
61	184.7	139.7	209.5
98	70.4	51.0	76.6





#13

Acrolein

Concen: 21.233 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX016962.D

Acq: 25 Jun 2020 19:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 8365

Ion Ratio Lower Upper

56 100

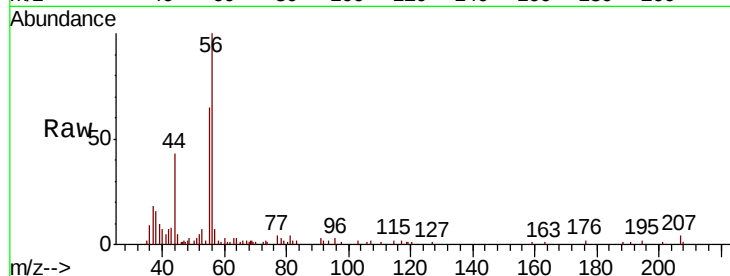
55 69.5 57.5 86.3

Manual Integrations

APPROVED

MMDadoda

6/29/2020 12:32:17 PM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.28

6000

5000

4000

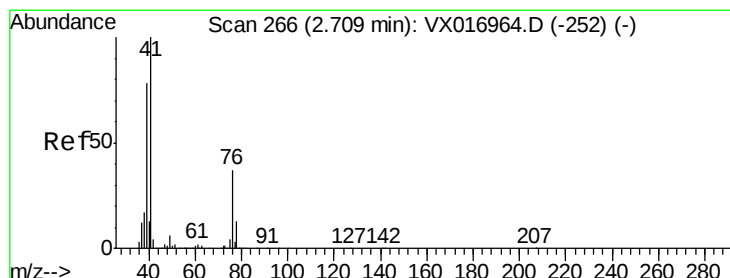
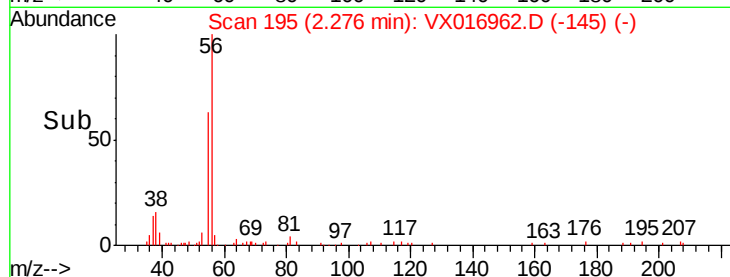
3000

2000

1000

0

Time--> 2.20 2.25 2.30 2.35



#14

Allyl chloride

Concen: 5.134 ug/l

RT: 2.70 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX016962.D

Acq: 25 Jun 2020 19:15

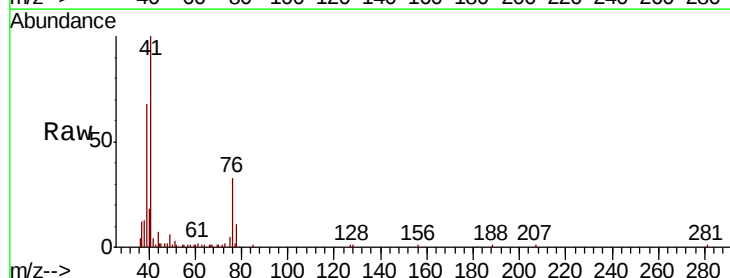
Tgt Ion: 41 Resp: 20873

Ion Ratio Lower Upper

41 100

39 72.1 56.4 84.6

76 34.9 26.5 39.7



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

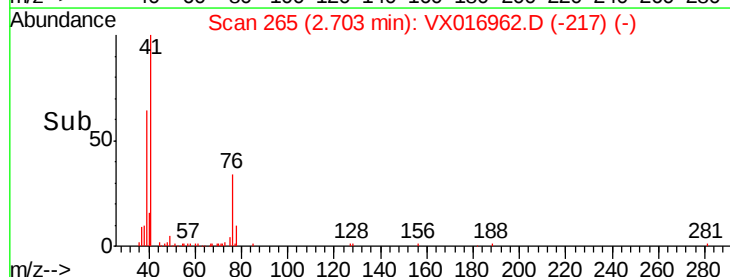
15000

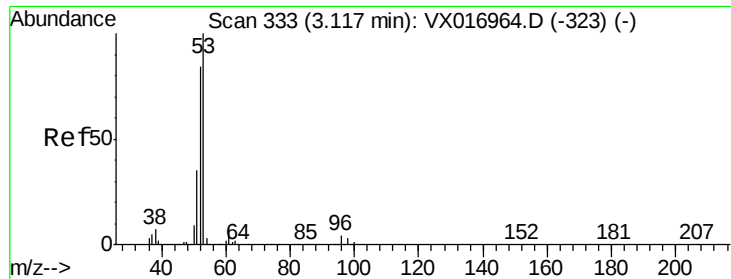
10000

5000

0

Time--> 2.60 2.65 2.70 2.75 2.80





#15

Acrylonitrile

Concen: 25.072 ug/l

RT: 3.12 min Scan# 333

Delta R.T. -0.00 min

Lab File: VX016962.D

Acq: 25 Jun 2020 19:15

Instrument :

MSVOA_X

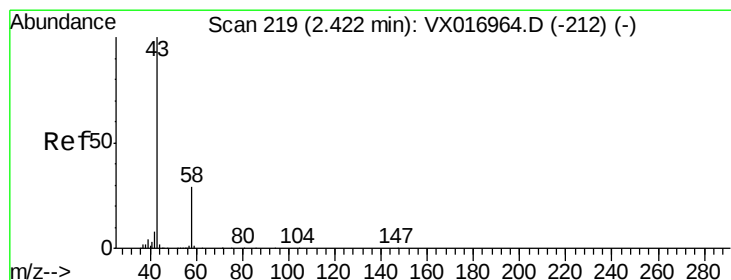
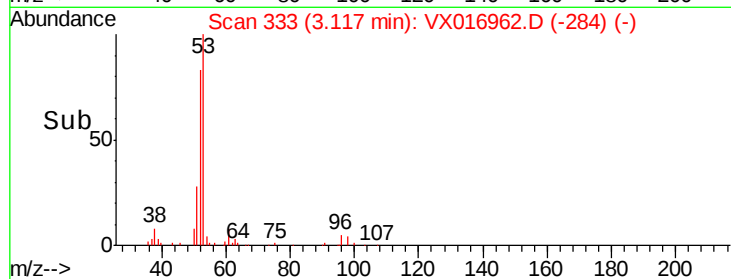
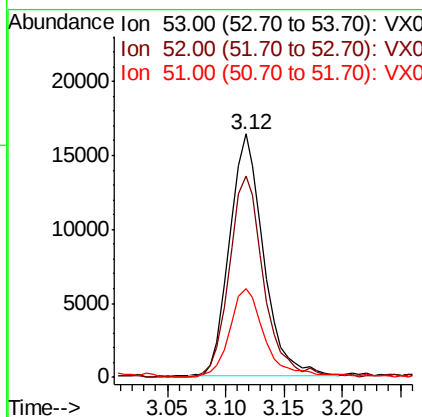
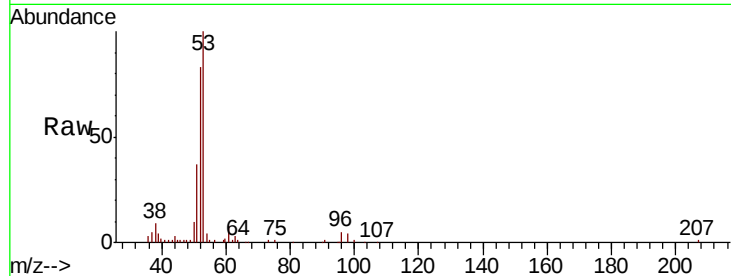
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	33338
Ion Ratio	Lower	Upper	
53	100		
52	84.6	66.3	99.5
51	38.3	29.0	43.6

Manual Integrations
APPROVED

MMDadoda
6/29/2020 12:32:17 PM



#16

Acetone

Concen: 28.955 ug/l

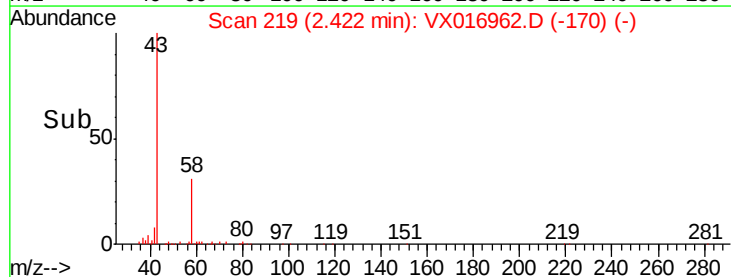
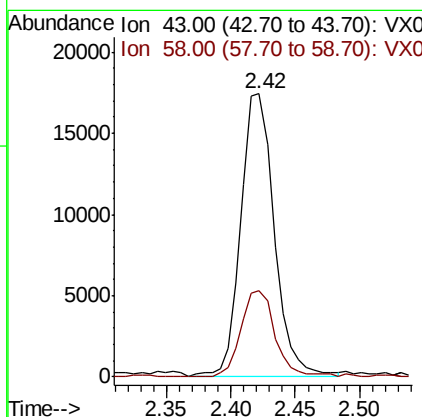
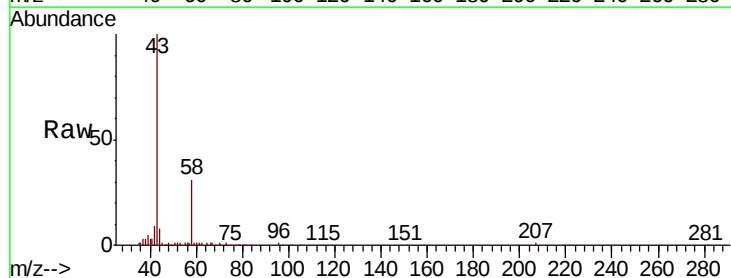
RT: 2.42 min Scan# 219

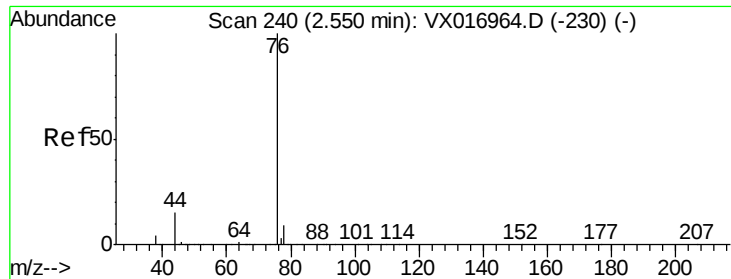
Delta R.T. -0.00 min

Lab File: VX016962.D

Acq: 25 Jun 2020 19:15

Tgt Ion:	43	Resp:	31491
Ion Ratio	Lower	Upper	
43	100		
58	30.5	23.5	35.3





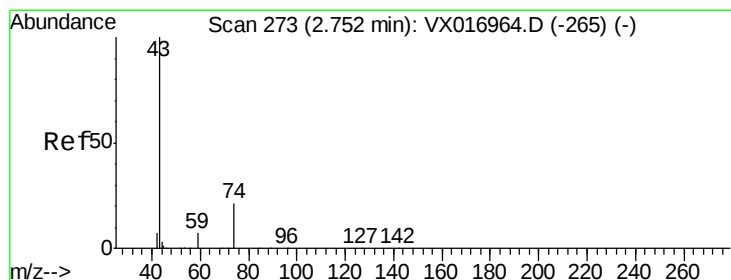
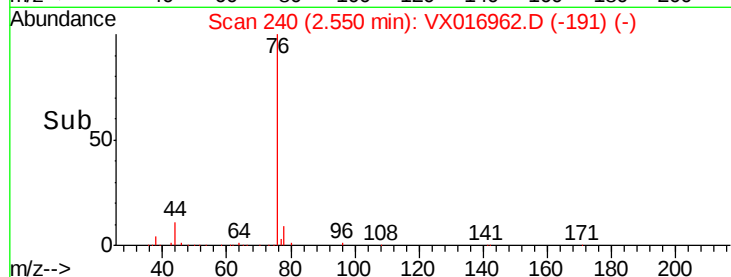
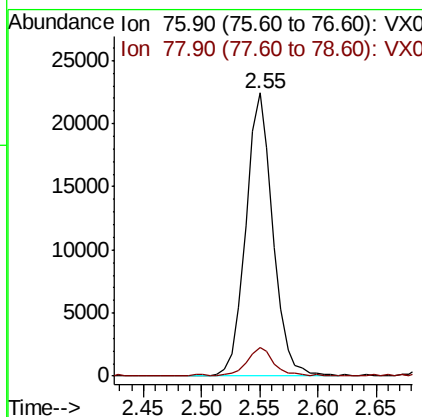
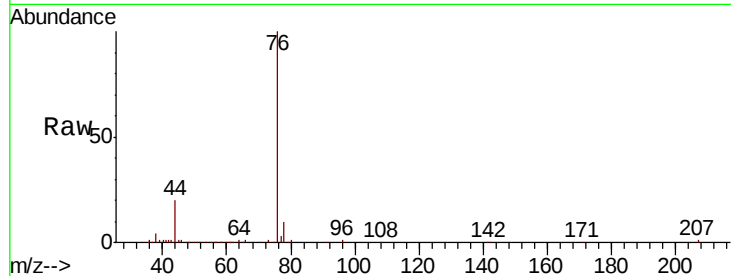
#17
Carbon Disulfide
Concen: 5.227 ug/l
RT: 2.55 min Scan# 240
Delta R.T. -0.00 min
Lab File: VX016962.D
Acq: 25 Jun 2020 19:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.8	7.0	10.4

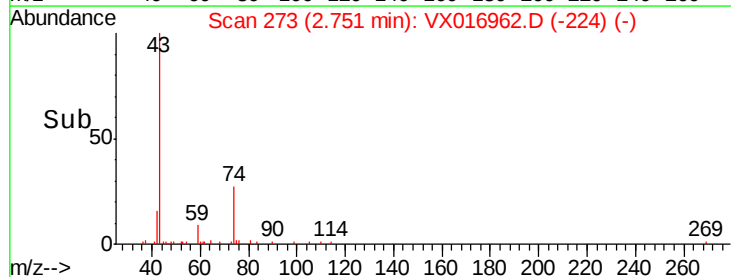
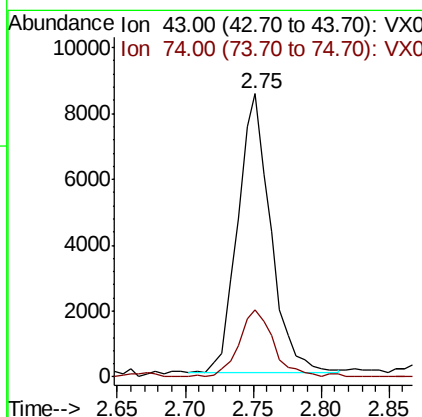
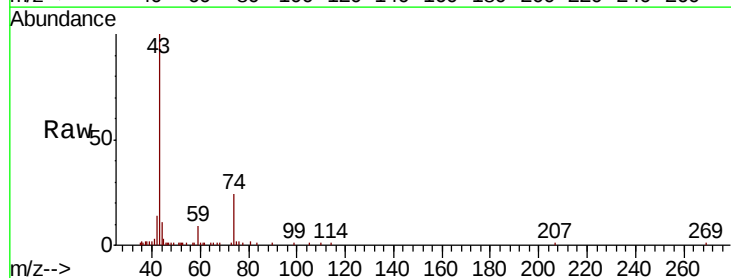
Manual Integrations
APPROVED

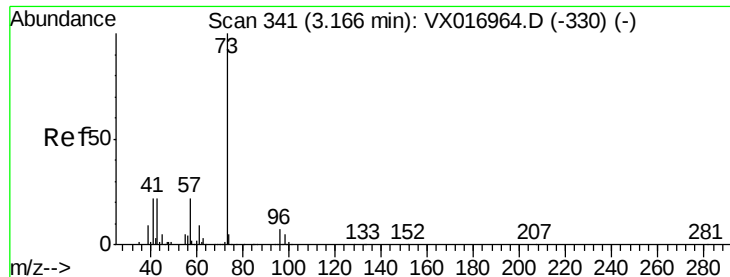
MMDadoda
6/29/2020 12:32:17 PM



#18
Methyl Acetate
Concen: 4.517 ug/l
RT: 2.75 min Scan# 273
Delta R.T. -0.00 min
Lab File: VX016962.D
Acq: 25 Jun 2020 19:15

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.0	18.3	27.5





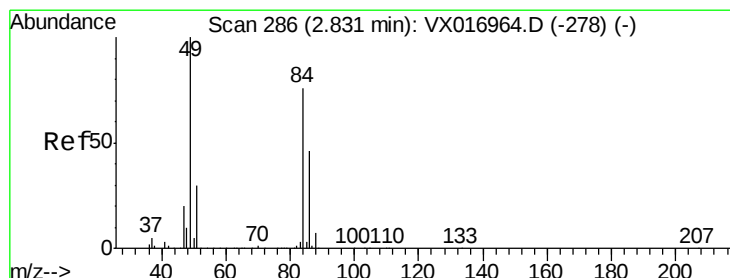
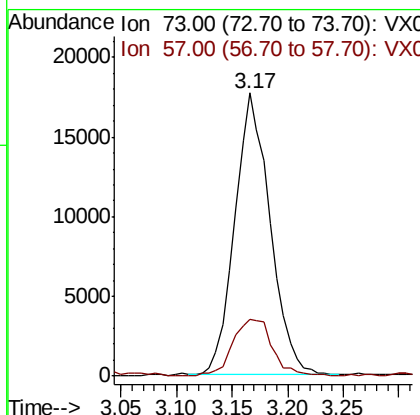
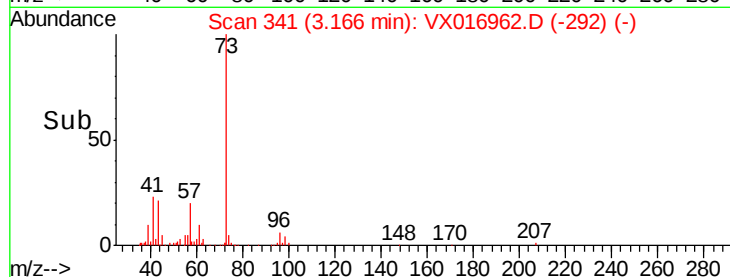
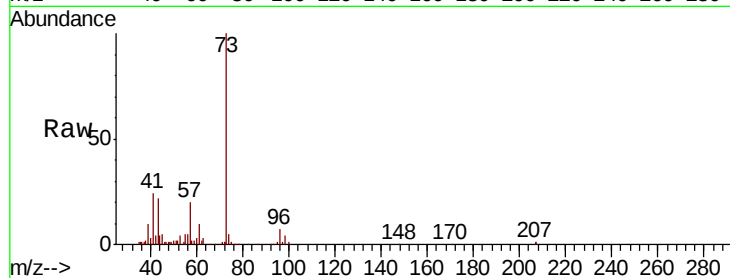
#19
Methvl tert-butvl Ether
Concen: 4.798 ug/l
RT: 3.17 min Scan# 341
Delta R.T. -0.00 min
Lab File: VX016962.D
Acq: 25 Jun 2020 19:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.2	17.8	26.8

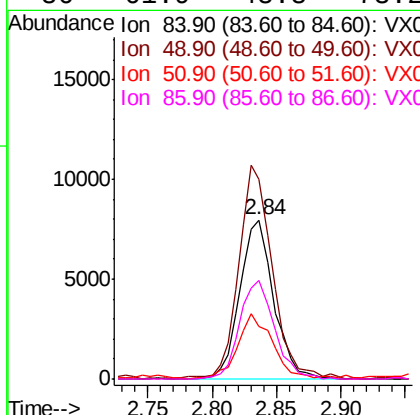
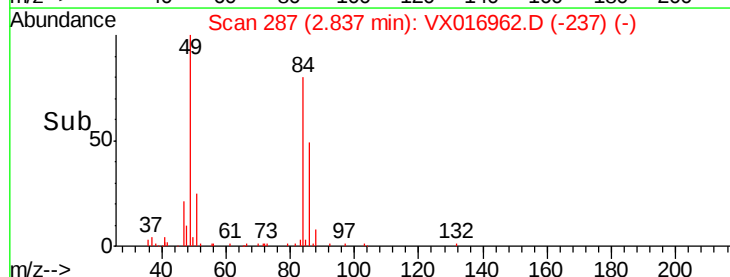
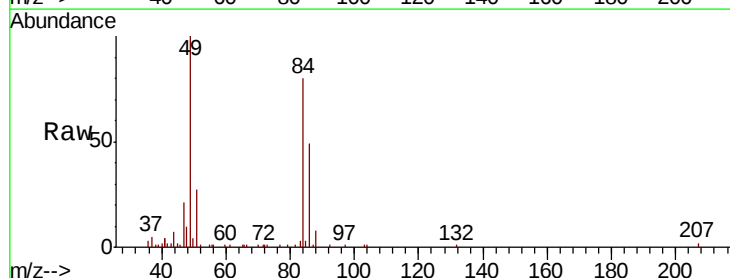
Manual Integrations
APPROVED

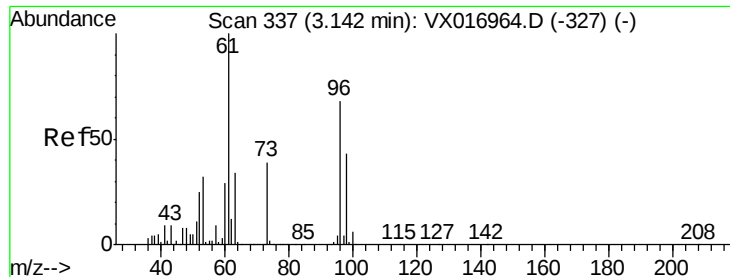
MMDadoda
6/29/2020 12:32:17 PM



#20
Methylene Chloride
Concen: 5.500 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX016962.D
Acq: 25 Jun 2020 19:15

Tgt Ion	Ratio	Lower	Upper
84	100		
49	124.0	105.6	158.4
51	33.2	31.2	46.8
86	61.9	48.8	73.2





#21

trans-1,2-Dichloroethene

Concen: 5.117 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX016962.D

Acq: 25 Jun 2020 19:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 96 Resp: 12974

Ion Ratio Lower Upper

96 100

61 143.9 116.7 175.1

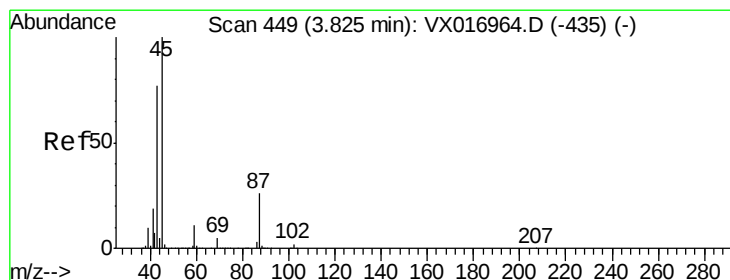
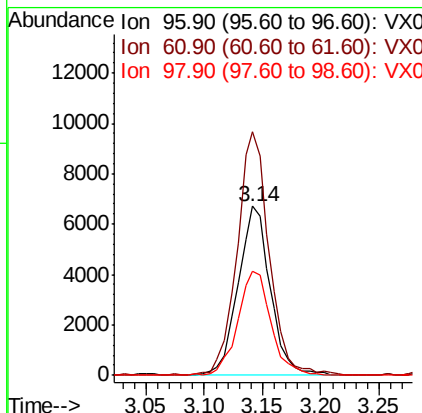
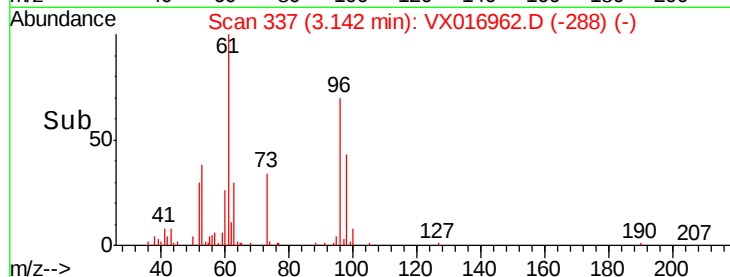
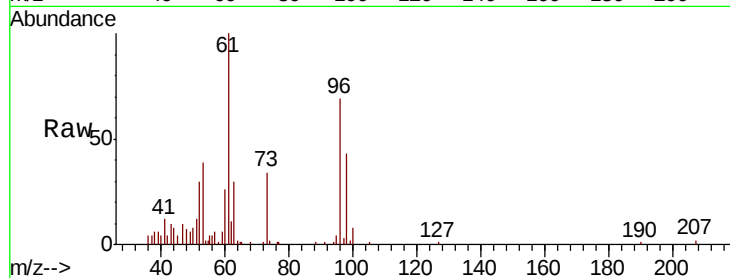
98 61.4 50.7 76.1

Manual Integrations

APPROVED

MMDadoda

6/29/2020 12:32:17 PM



#22

Diisopropyl ether

Concen: 5.091 ug/l

RT: 3.83 min Scan# 450

Delta R.T. 0.01 min

Lab File: VX016962.D

Acq: 25 Jun 2020 19:15

Tgt Ion: 45 Resp: 40881

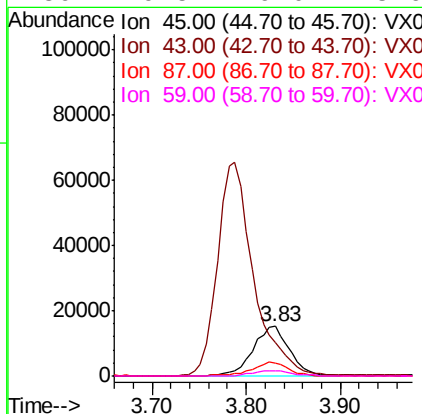
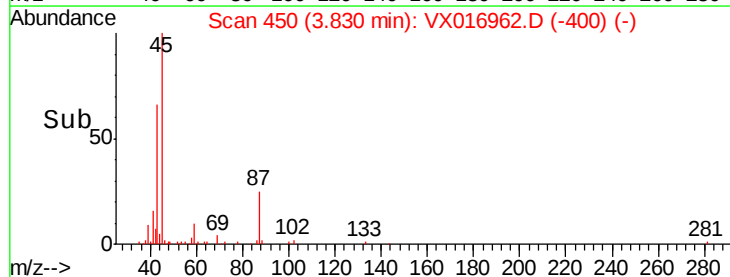
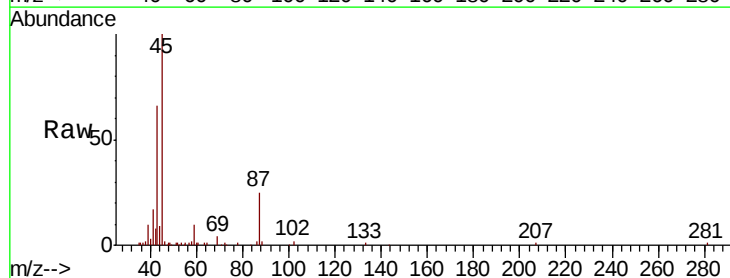
Ion Ratio Lower Upper

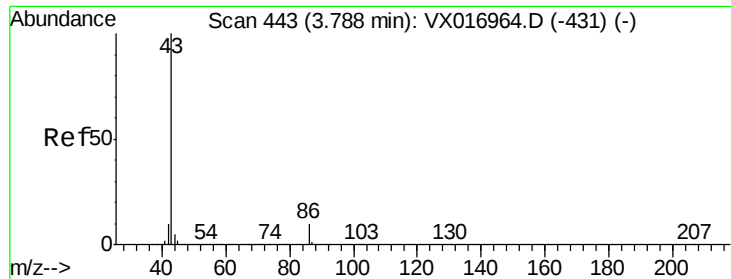
45 100

43 64.1 62.7 94.1

87 25.5 21.0 31.4

59 9.5 9.0 13.6





#23

Vinyl Acetate

Concen: 26.383 ug/l

RT: 3.79 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX016962.D

Acq: 25 Jun 2020 19:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 175124

Ion Ratio Lower Upper

43 100

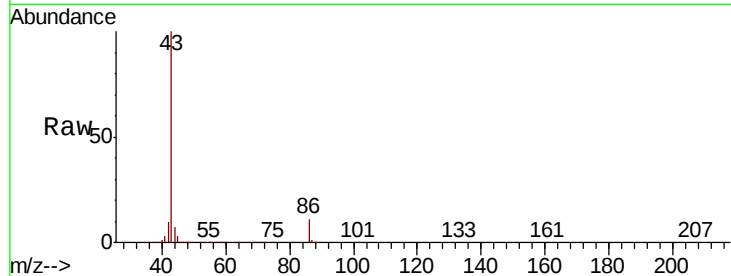
86 11.4 8.2 12.2

Manual Integrations

APPROVED

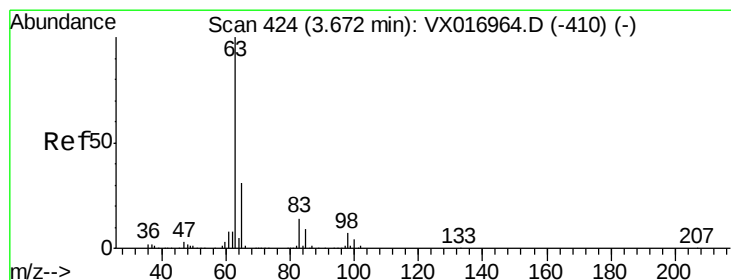
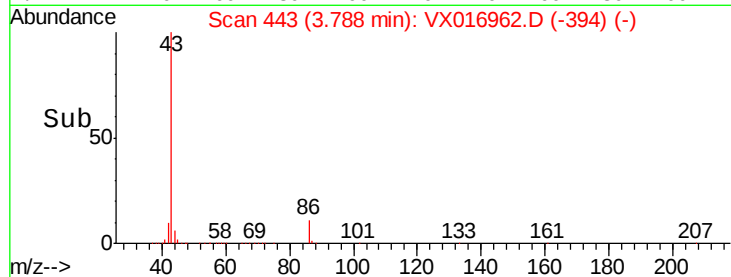
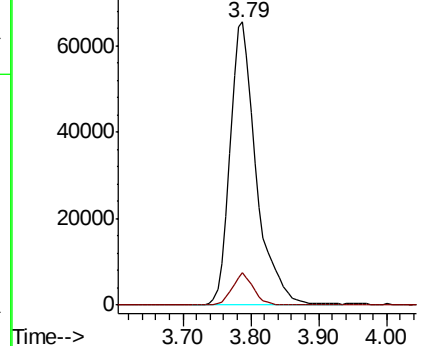
MMDadoda

6/29/2020 12:32:17 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 5.248 ug/l

RT: 3.67 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX016962.D

Acq: 25 Jun 2020 19:15

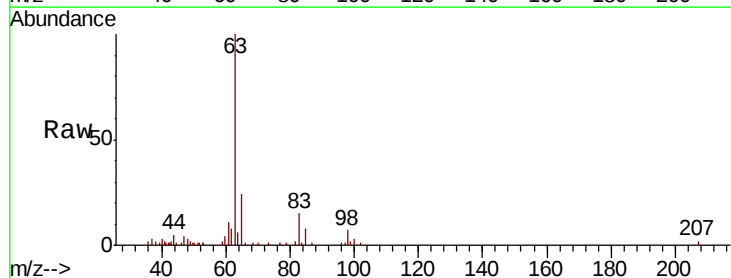
Tgt Ion: 63 Resp: 23905

Ion Ratio Lower Upper

63 100

98 6.9 3.6 10.8

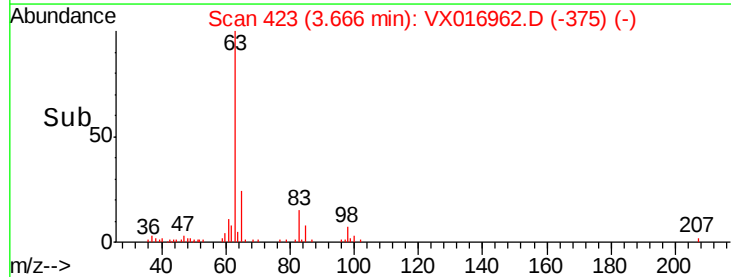
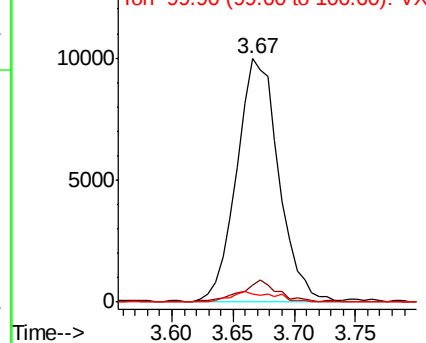
100 3.4 2.1 6.3

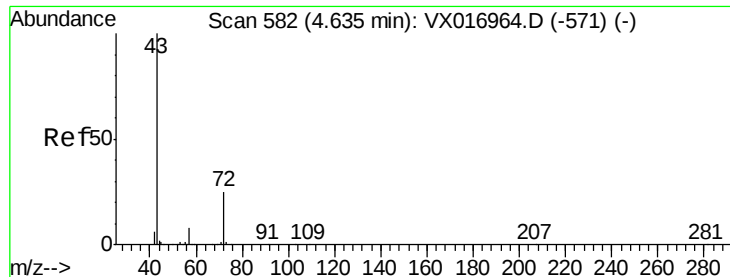


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 25.956 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX016962.D

Acq: 25 Jun 2020 19:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 45441

Ion Ratio Lower Upper

43 100

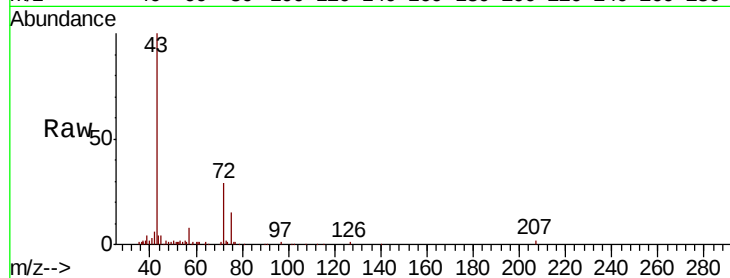
72 28.8 20.0 30.0

Manual Integrations

APPROVED

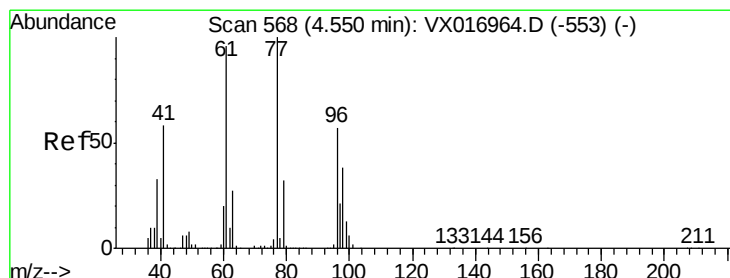
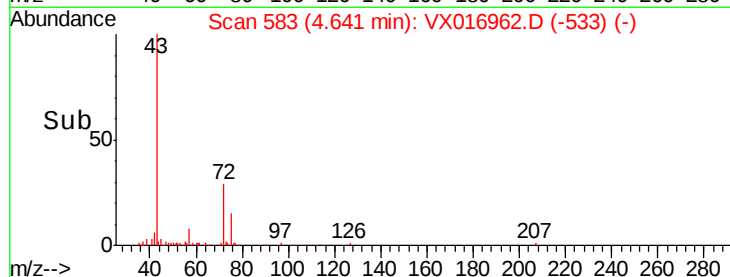
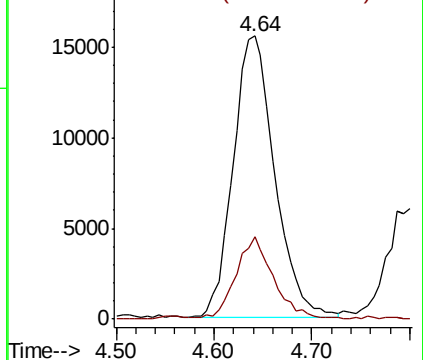
MMDadoda

6/29/2020 12:32:17 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 4.786 ug/l

RT: 4.55 min Scan# 568

Delta R.T. -0.00 min

Lab File: VX016962.D

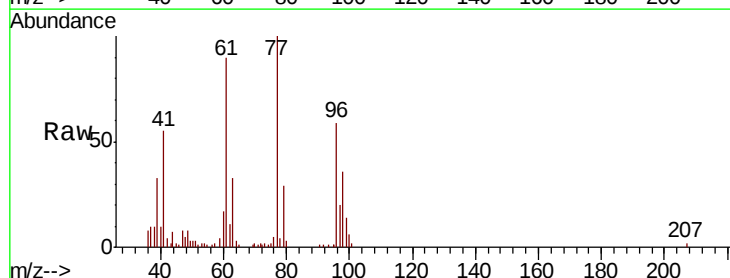
Acq: 25 Jun 2020 19:15

Tgt Ion: 77 Resp: 19015

Ion Ratio Lower Upper

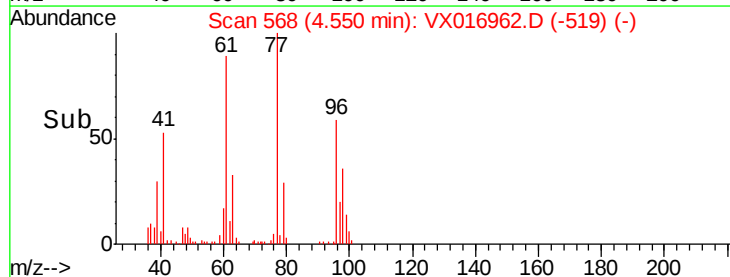
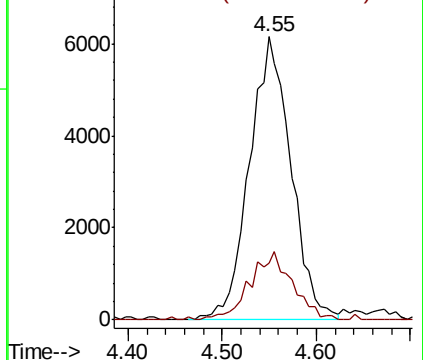
77 100

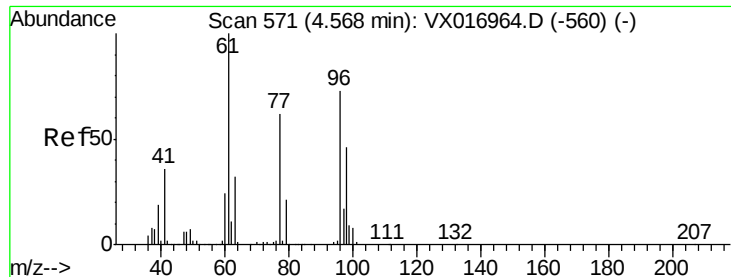
97 24.4 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

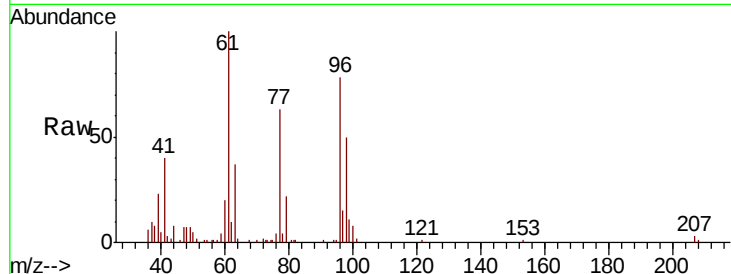
cis-1,2-Dichloroethene
Concen: 5.153 ug/l
RT: 4.57 min Scan# 571
Delta R.T. -0.00 min
Lab File: VX016962.D
Acq: 25 Jun 2020 19:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.4	0.0	307.2
98	65.6	0.0	128.4

Manual Integrations
APPROVED

MMDadoda
6/29/2020 12:32:17 PM

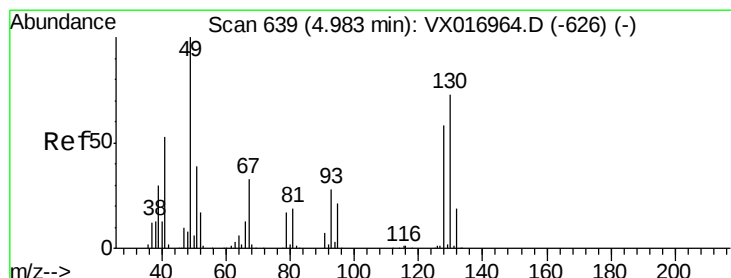
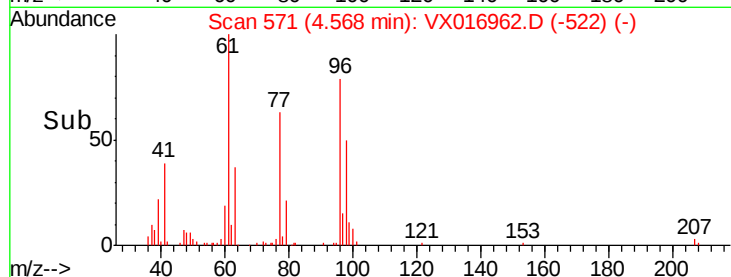
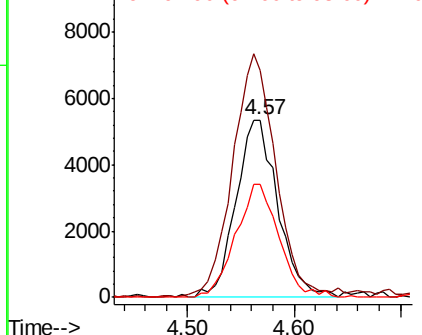


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

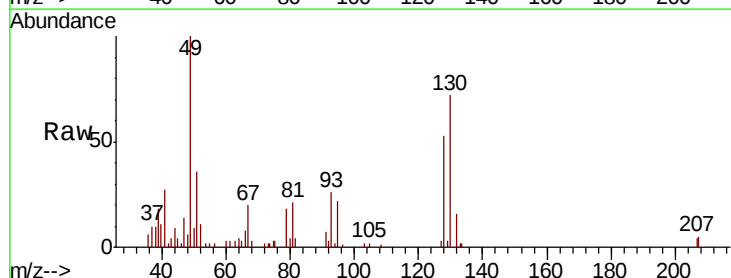
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane
Concen: 5.678 ug/l
RT: 4.98 min Scan# 638
Delta R.T. -0.01 min
Lab File: VX016962.D
Acq: 25 Jun 2020 19:15

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	4.4
130	75.3	58.7	88.1

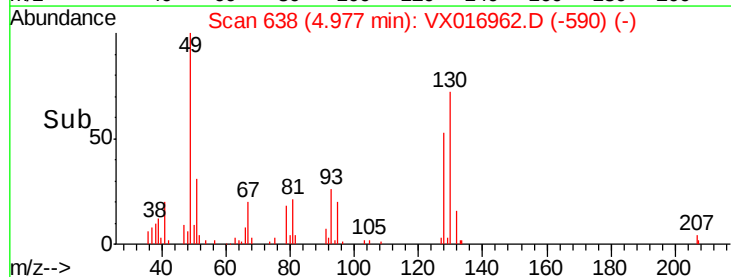
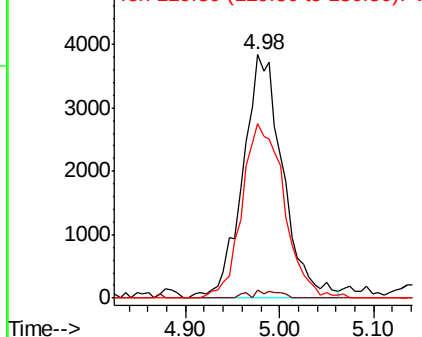


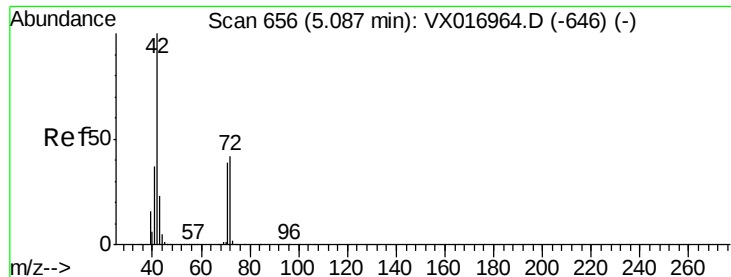
Abundance

Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 25.611 ug/l

RT: 5.10 min Scan# 659

Delta R.T. 0.02 min

Lab File: VX016962.D

Acq: 25 Jun 2020 19:15

Instrument :

MSVOA_X

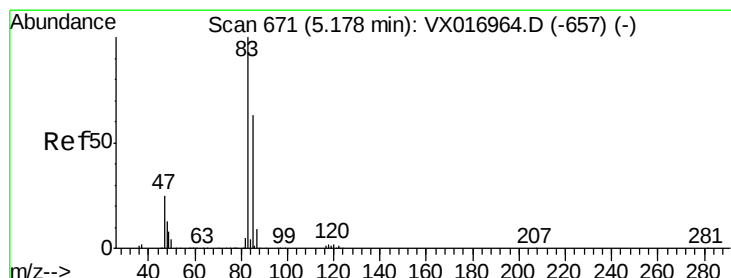
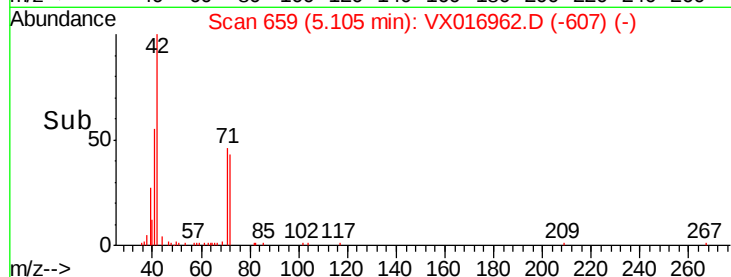
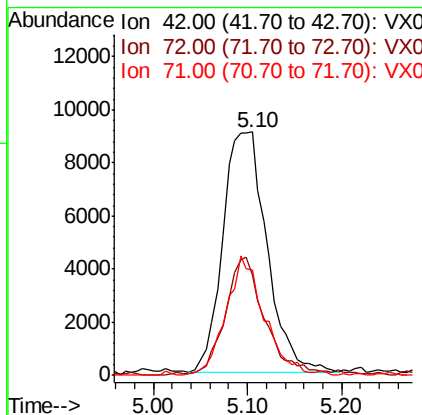
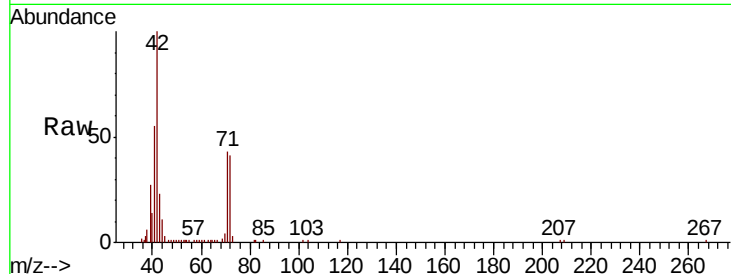
ClientSampleId :

VSTDIC005

Tot Ion:	42	Resp:	29676
Ion	Ratio	Lower	Upper
42	100		
72	42.1	34.1	51.1
71	42.9	32.1	48.1

Manual Integrations
APPROVED

MMDadoda
6/29/2020 12:32:17 PM



#30

Chloroform

Concen: 5.207 ug/l

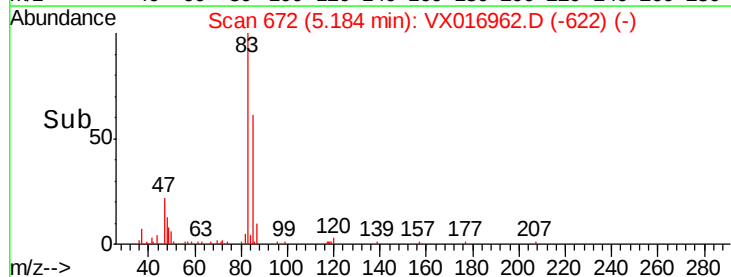
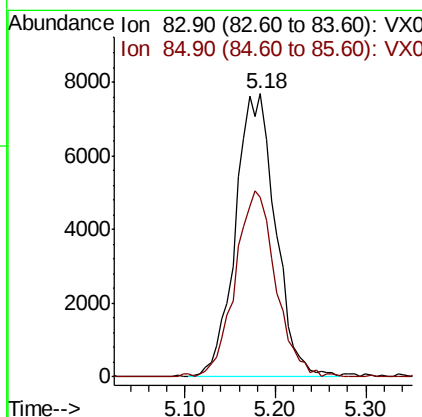
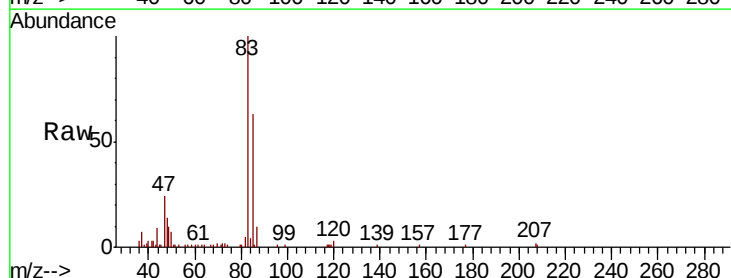
RT: 5.18 min Scan# 672

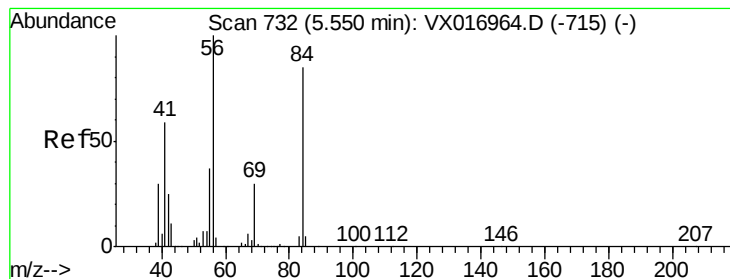
Delta R.T. 0.01 min

Lab File: VX016962.D

Acq: 25 Jun 2020 19:15

Tgt Ion:	83	Resp:	23510
Ion	Ratio	Lower	Upper
83	100		
85	62.8	50.7	76.1





#31

Cyclohexane

Concen: 4.696 ug/l

RT: 5.55 min Scan# 732

Delta R.T. -0.00 min

Lab File: VX016962.D

Acq: 25 Jun 2020 19:15

Instrument :

MSVOA_X

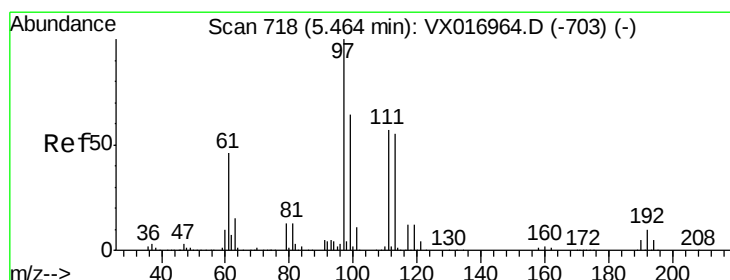
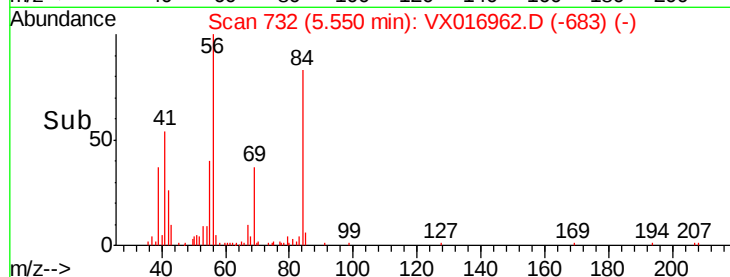
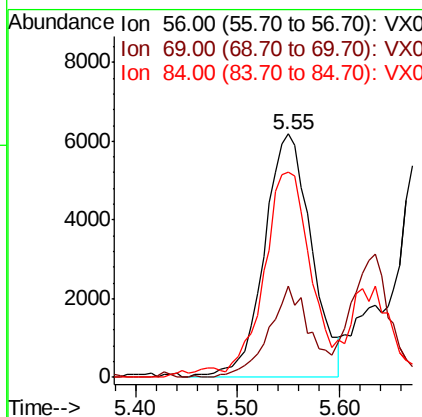
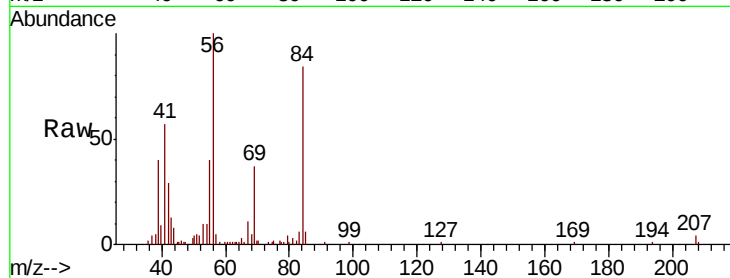
ClientSampleId :

VSTDIC005

Tot Ion:	56	Resp:	19811
Ion	Ratio	Lower	Upper
56	100		
69	37.2	23.6	35.4#
84	82.9	67.8	101.8

Manual Integrations
APPROVED

MMDadoda
6/29/2020 12:32:17 PM



#32

1,1,1-Trichloroethane

Concen: 5.239 ug/l

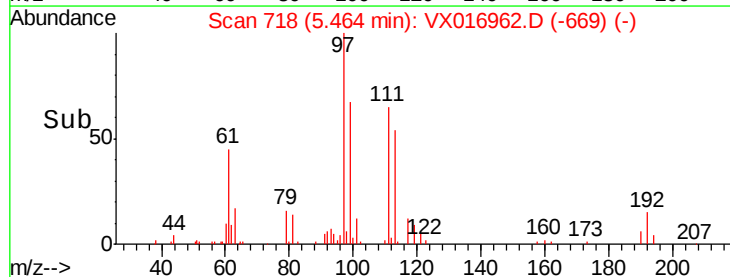
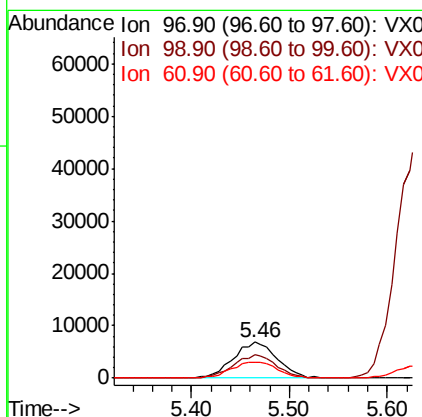
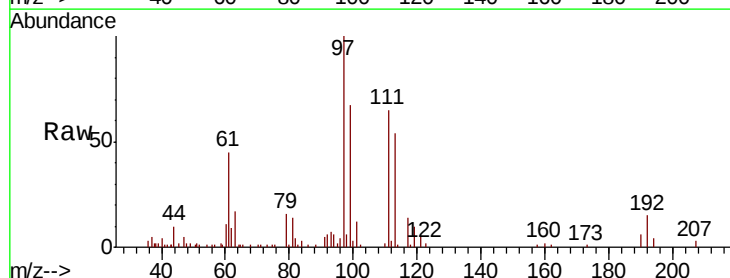
RT: 5.46 min Scan# 718

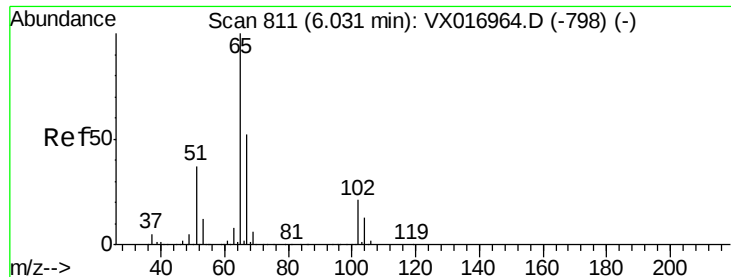
Delta R.T. -0.00 min

Lab File: VX016962.D

Acq: 25 Jun 2020 19:15

Tgt Ion:	97	Resp:	21359
Ion	Ratio	Lower	Upper
97	100		
99	63.0	51.4	77.2
61	47.7	37.0	55.4





#33

1,2-Dichloroethane-d4

Concen: 5.491 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX016962.D

Acq: 25 Jun 2020 19:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 65 Resp: 15878

Ion Ratio Lower Upper

65 100

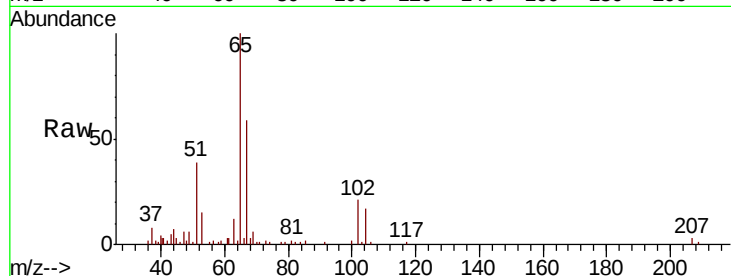
67 56.1 0.0 102.8

Manual Integrations

APPROVED

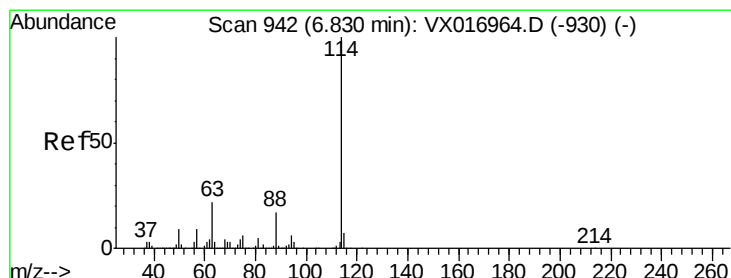
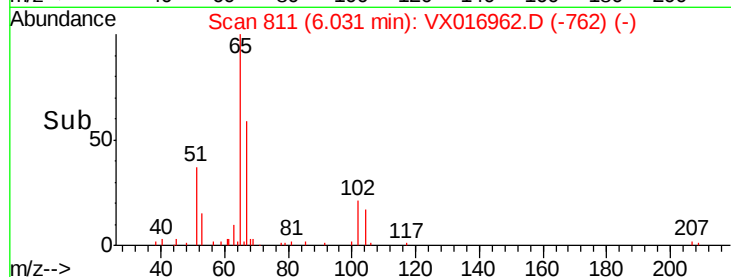
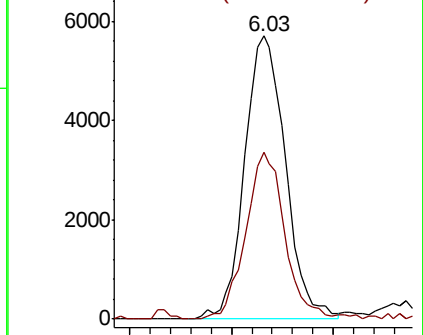
MMDadoda

6/29/2020 12:32:17 PM



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX016962.D

Acq: 25 Jun 2020 19:15

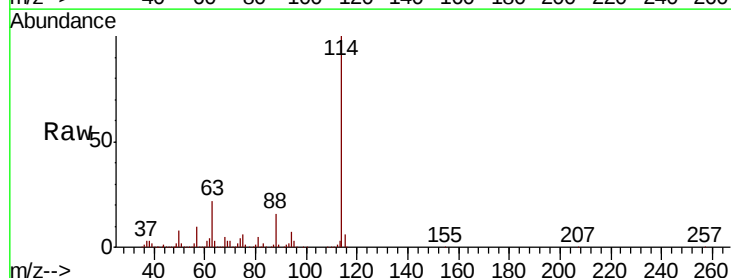
Tgt Ion: 114 Resp: 346572

Ion Ratio Lower Upper

114 100

63 22.3 0.0 44.4

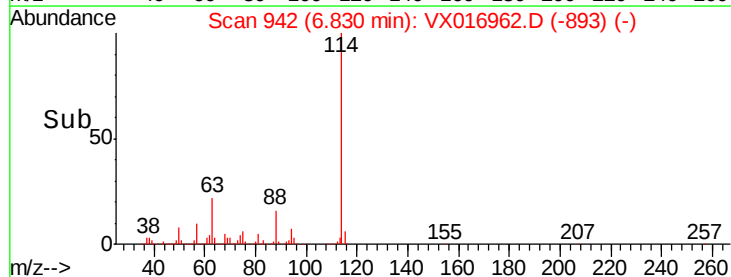
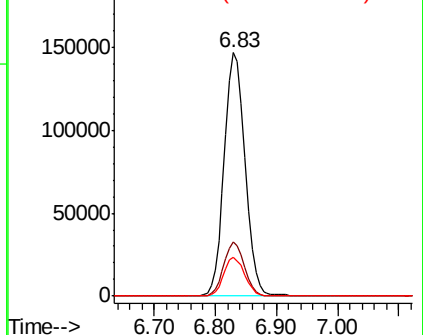
88 15.8 0.0 33.2

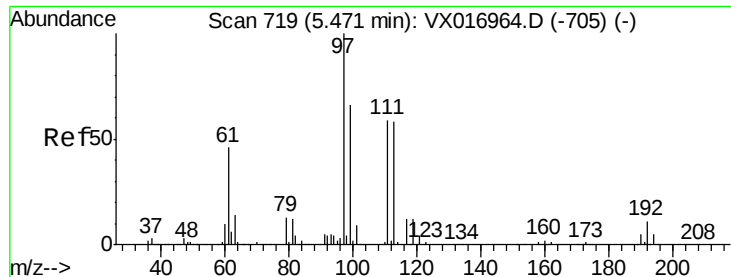


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 5.979 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX016962.D

Acq: 25 Jun 2020 19:15

Instrument :

MSVOA_X

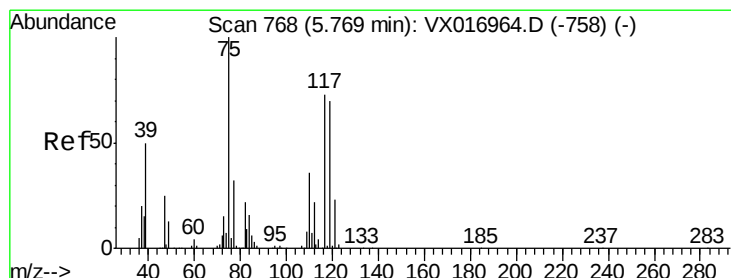
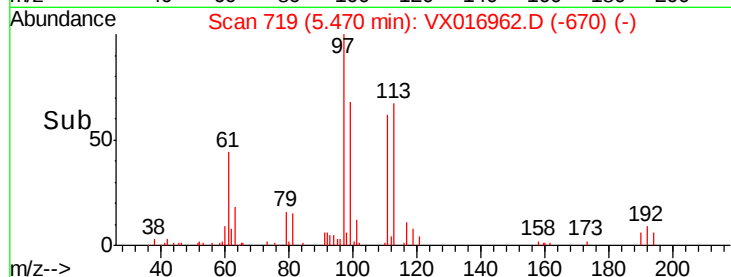
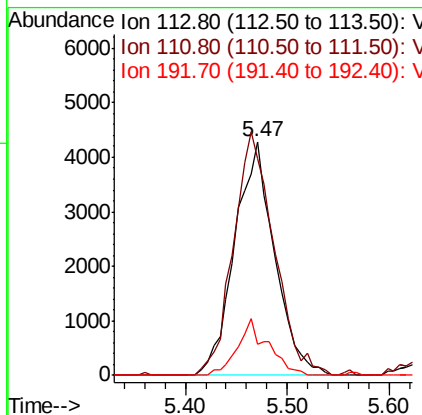
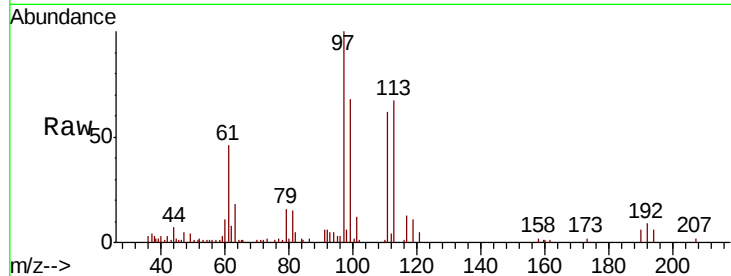
ClientSampleId :

VSTDIC005

Tot Ion:	113	Resp:	11622
Ion	Ratio	Lower	Upper
113	100		
111	106.3	84.3	126.5
192	18.5	15.2	22.8

Manual Integrations
APPROVED

MMDadoda
6/29/2020 12:32:17 PM



#36

1,1-Dichloropropene

Concen: 5.083 ug/l

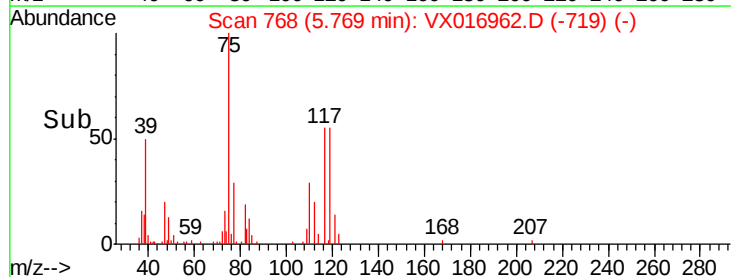
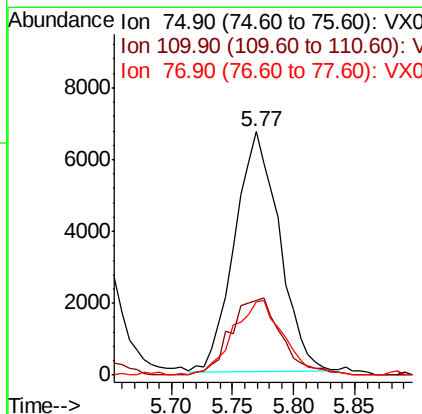
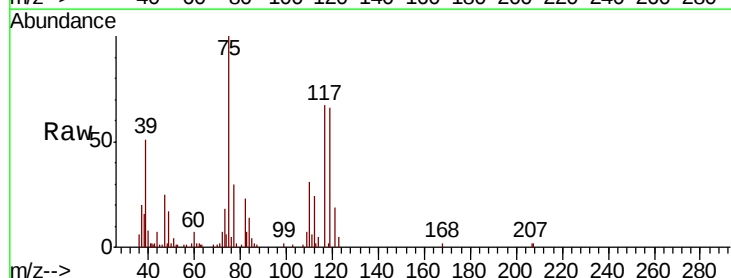
RT: 5.77 min Scan# 768

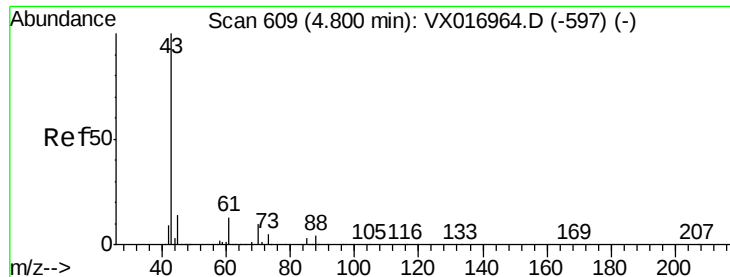
Delta R.T. -0.00 min

Lab File: VX016962.D

Acq: 25 Jun 2020 19:15

Tgt Ion:	75	Resp:	16926
Ion	Ratio	Lower	Upper
75	100		
110	36.8	17.2	51.6
77	35.4	24.7	37.1





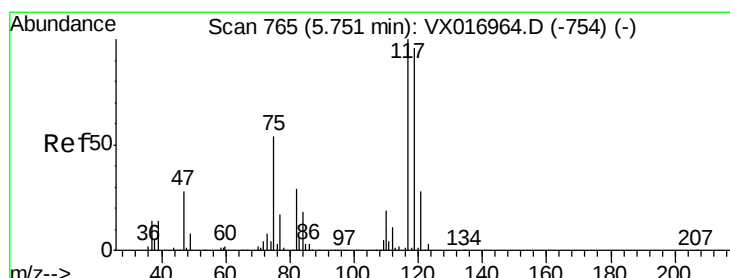
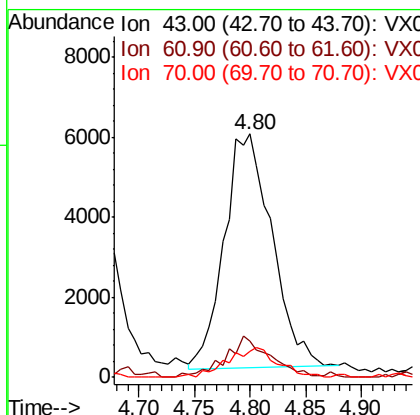
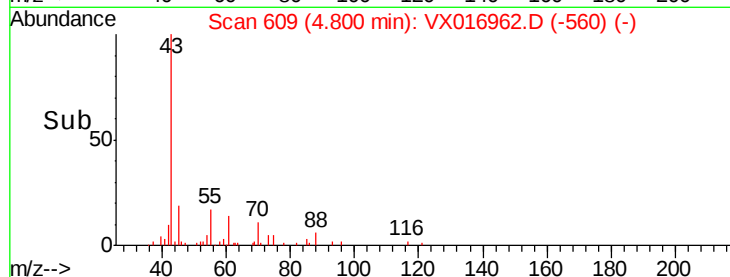
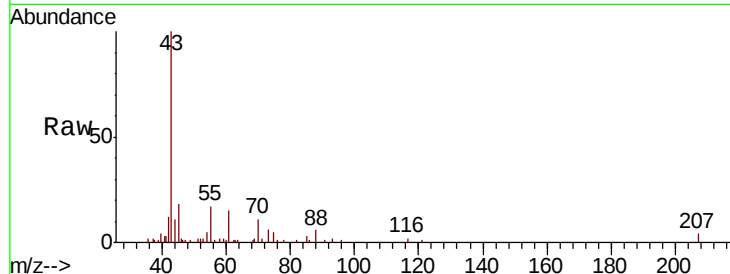
#37
Ethyl Acetate
Concen: 5.112 ug/l
RT: 4.80 min Scan# 609
Delta R.T. -0.00 min
Lab File: VX016962.D
Acq: 25 Jun 2020 19:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.8	10.8	16.2#
70	13.3	8.0	12.0#

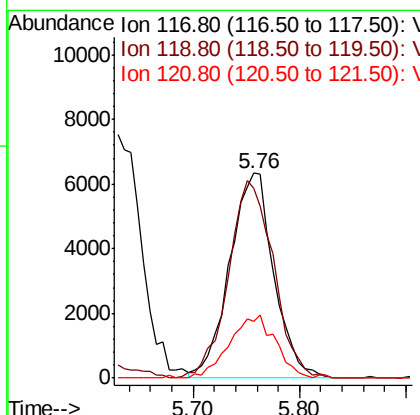
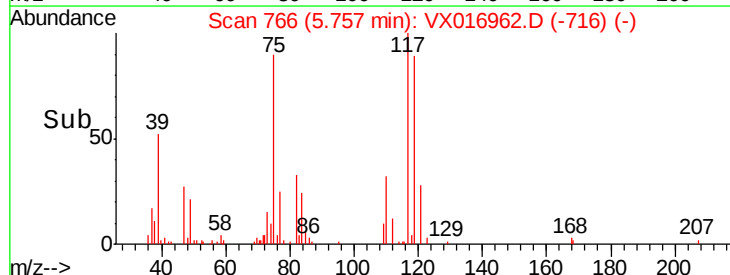
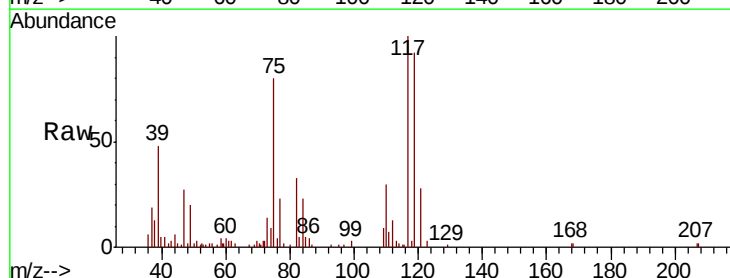
Manual Integrations
APPROVED

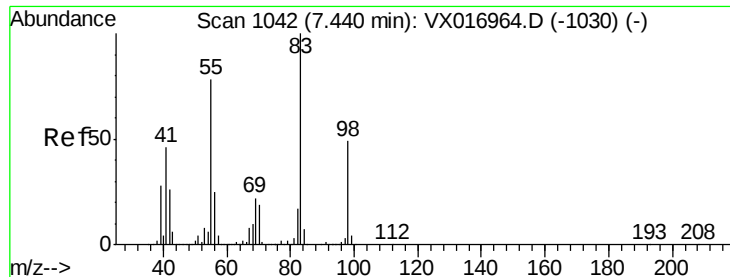
MMDadoda
6/29/2020 12:32:17 PM



#38
Carbon Tetrachloride
Concen: 5.887 ug/l
RT: 5.76 min Scan# 766
Delta R.T. 0.01 min
Lab File: VX016962.D
Acq: 25 Jun 2020 19:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.4	76.6	114.8
121	28.0	22.5	33.7





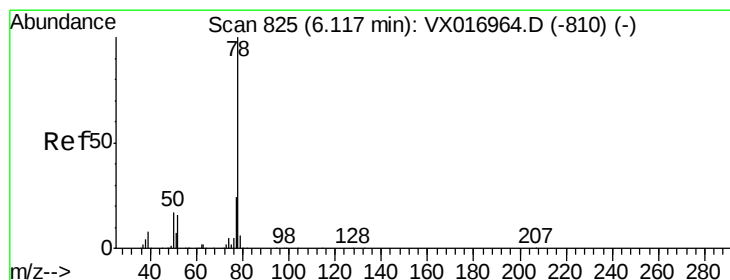
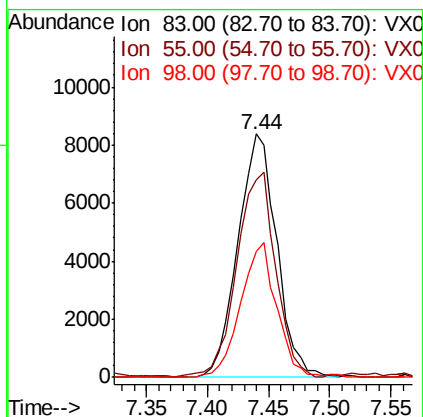
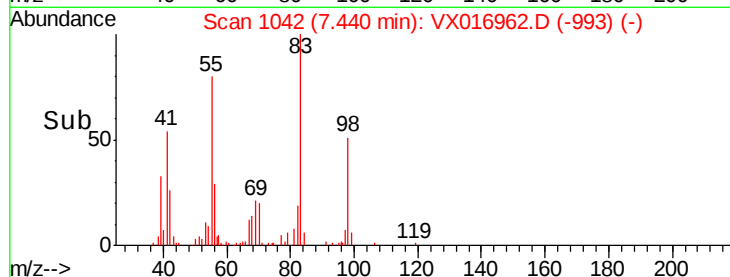
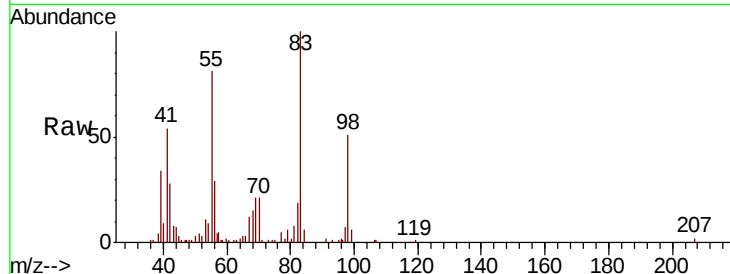
#39
Methvlcvclohexane
Concen: 4.636 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VX016962.D
Acq: 25 Jun 2020 19:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.0	62.4	93.6
98	51.5	39.4	59.0

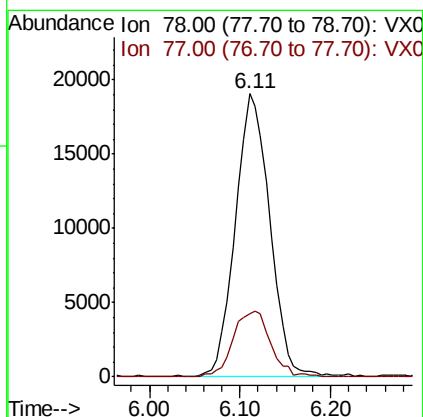
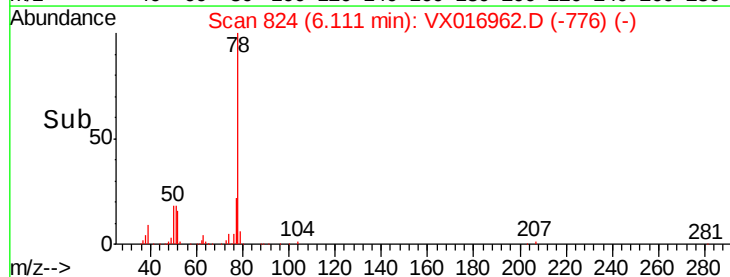
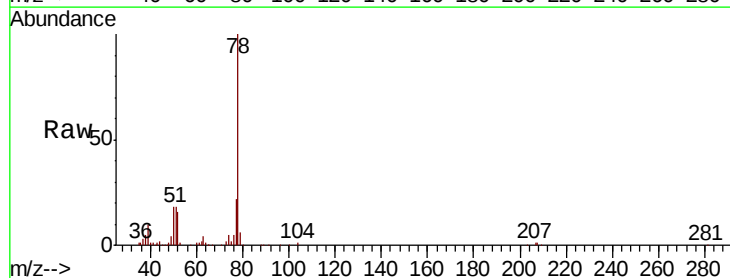
Manual Integrations
APPROVED

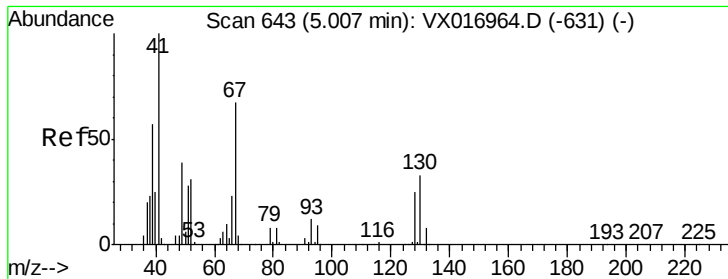
MMDadoda
6/29/2020 12:32:17 PM



#40
Benzene
Concen: 5.188 ug/l
RT: 6.11 min Scan# 824
Delta R.T. -0.01 min
Lab File: VX016962.D
Acq: 25 Jun 2020 19:15

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.5	18.9	28.3





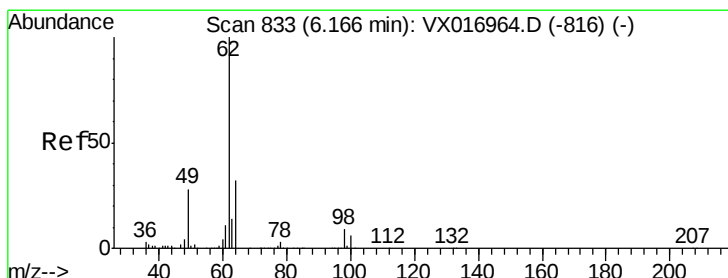
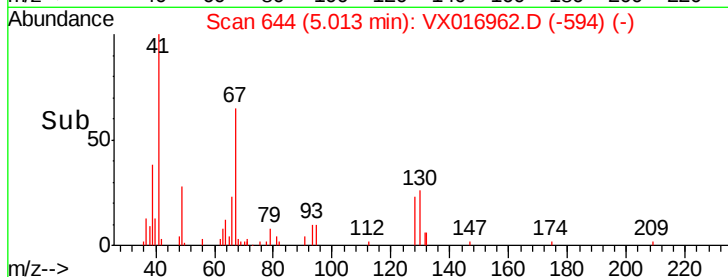
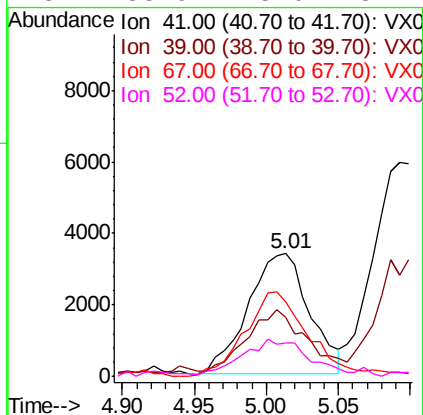
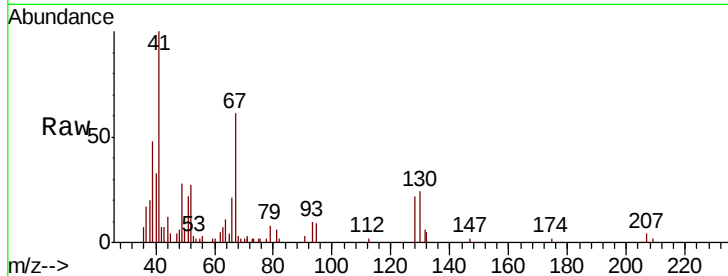
#41
Methacrylonitrile
Concen: 5.211 ug/l
RT: 5.01 min Scan# 644
Delta R.T. 0.01 min
Lab File: VX016962.D
Acq: 25 Jun 2020 19:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
41	100		
39	56.0	46.6	70.0
67	73.5	57.0	85.6
52	33.9	25.0	37.4

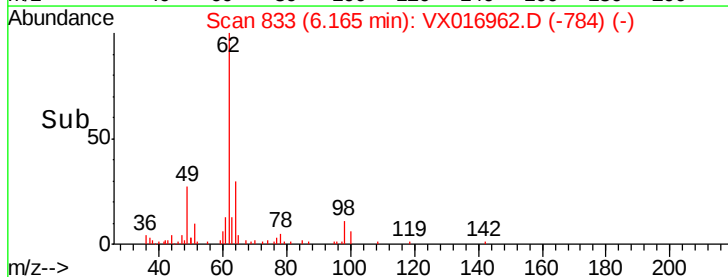
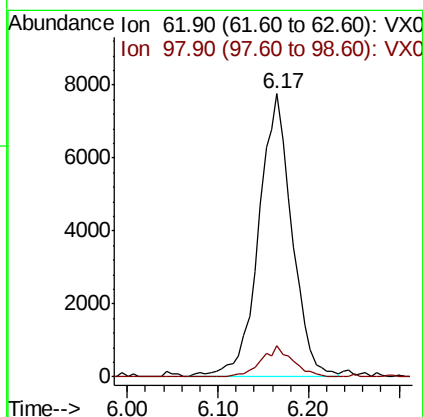
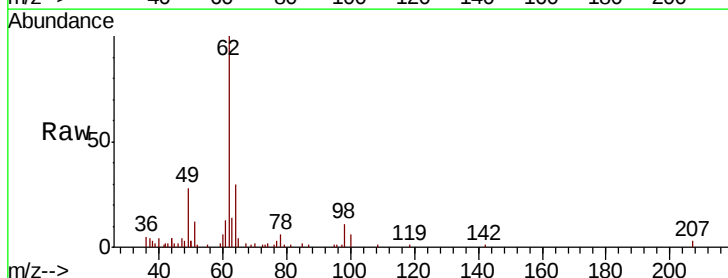
Manual Integrations
APPROVED

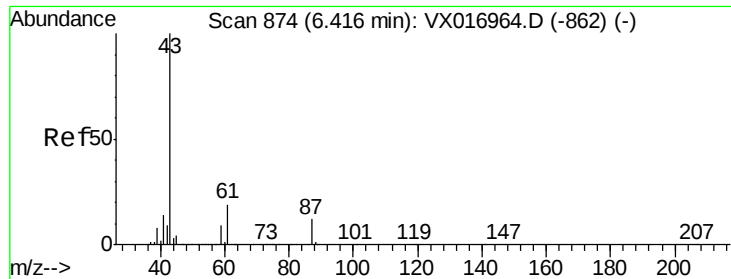
MMDadoda
6/29/2020 12:32:17 PM



#42
1,2-Dichloroethane
Concen: 5.668 ug/l
RT: 6.17 min Scan# 833
Delta R.T. -0.00 min
Lab File: VX016962.D
Acq: 25 Jun 2020 19:15

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	17.2





#43

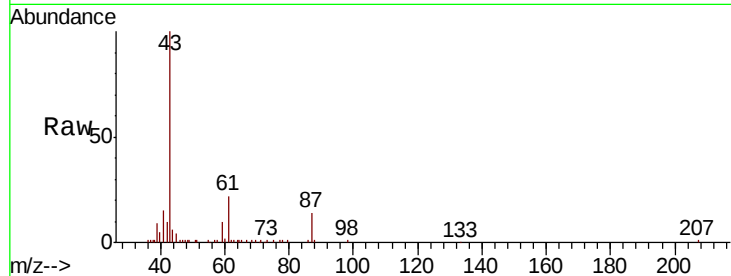
Isopropyl Acetate
 Concen: 5.533 ug/l
 RT: 6.42 min Scan# 874
 Delta R.T. -0.00 min
 Lab File: VX016962.D
 Acq: 25 Jun 2020 19:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.1	15.0	22.6
87	14.0	10.0	15.0

Manual Integrations
 APPROVED

MMDadoda
 6/29/2020 12:32:17 PM

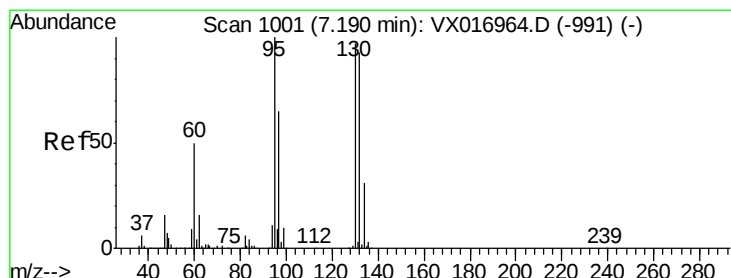
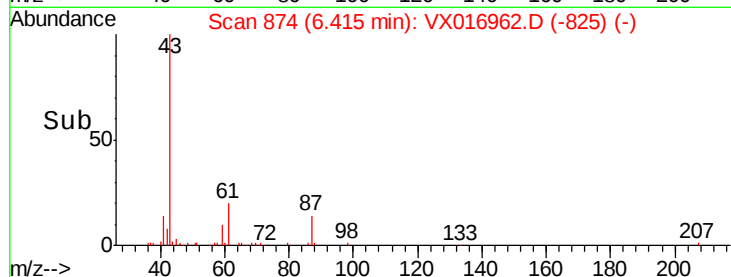
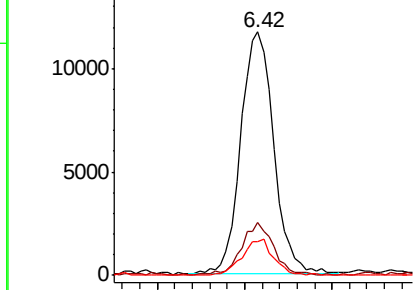


Abundance

Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

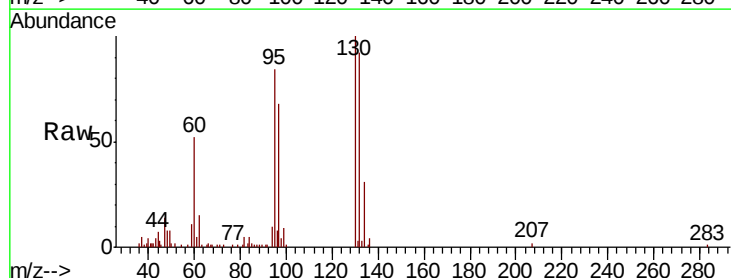
Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene
 Concen: 4.523 ug/l
 RT: 7.19 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: VX016962.D
 Acq: 25 Jun 2020 19:15

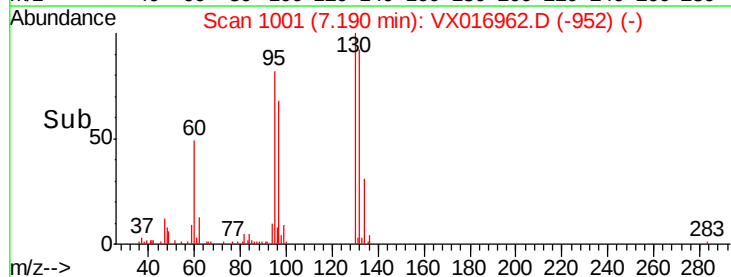
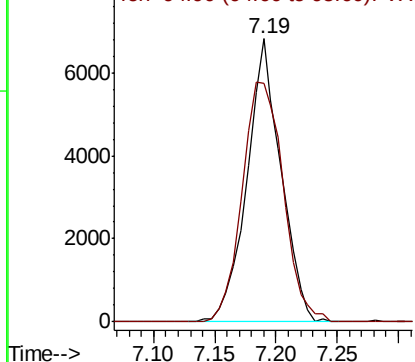
Tgt Ion	Ratio	Lower	Upper
130	100		
95	84.2	0.0	206.6

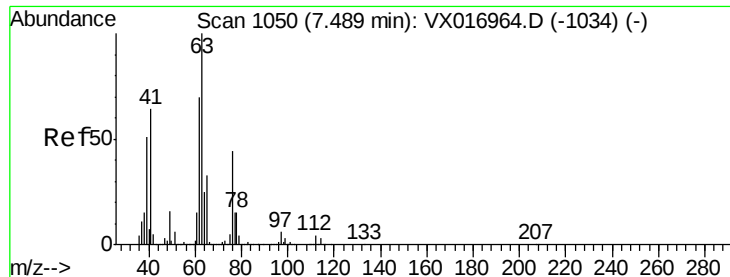


Abundance

Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 5.370 ug/l

RT: 7.49 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VX016962.D

Acq: 25 Jun 2020 19:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 63 Resp: 13362

Ion Ratio Lower Upper

63 100

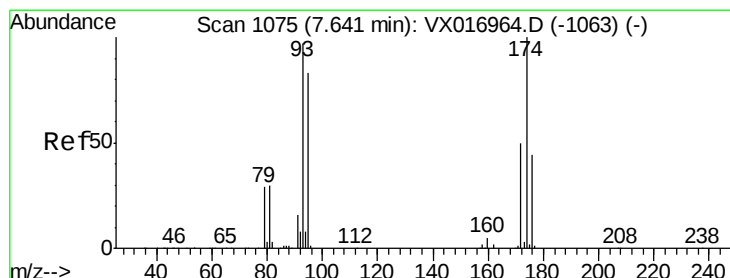
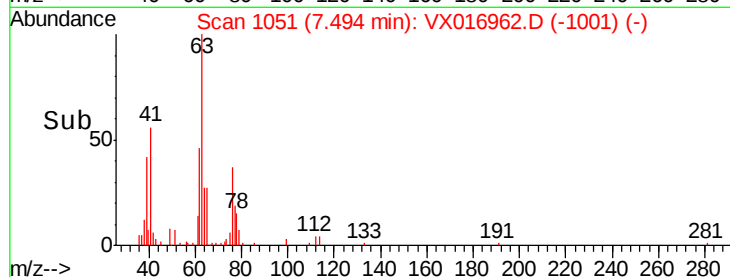
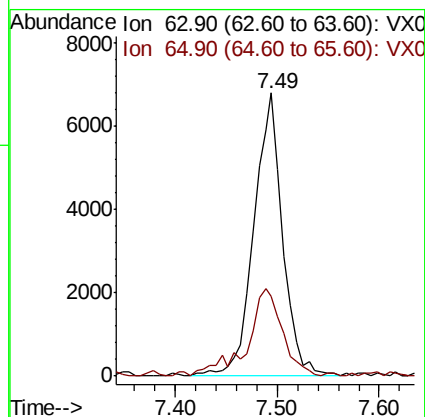
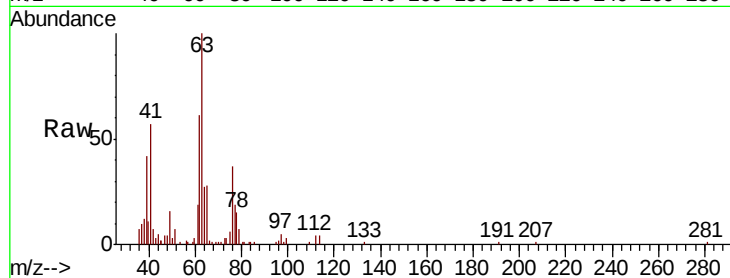
65 28.4 26.1 39.1

Manual Integrations

APPROVED

MMDadoda

6/29/2020 12:32:17 PM



#46

Dibromomethane

Concen: 5.626 ug/l

RT: 7.64 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VX016962.D

Acq: 25 Jun 2020 19:15

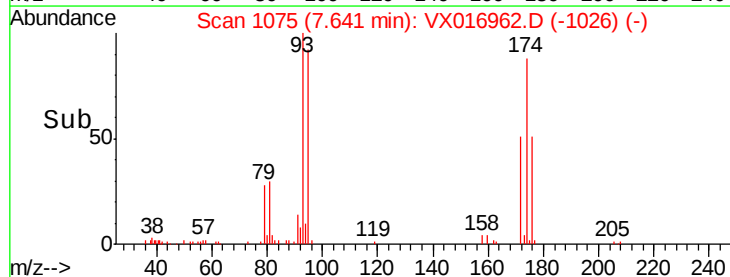
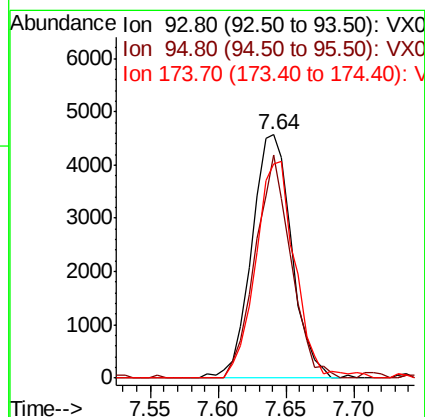
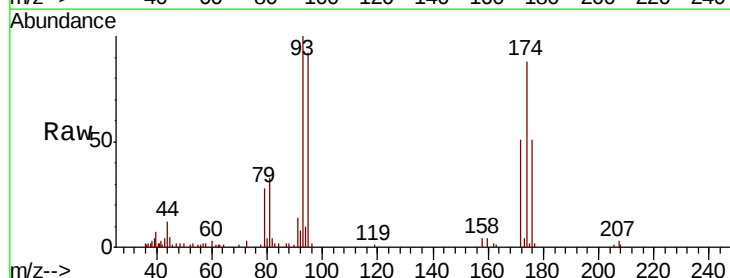
Tgt Ion: 93 Resp: 9384

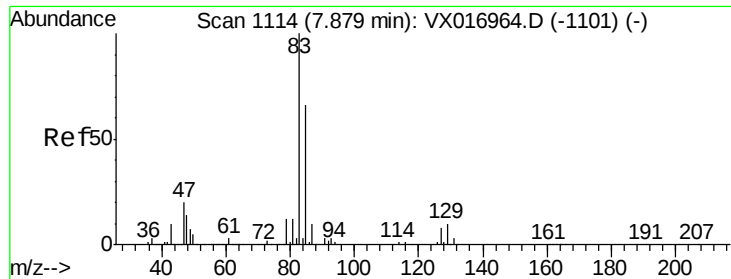
Ion Ratio Lower Upper

93 100

95 82.3 67.5 101.3

174 88.2 75.0 112.4





#47

Bromodichloromethane

Concen: 5.593 ug/l

RT: 7.87 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VX016962.D

Acq: 25 Jun 2020 19:15

Instrument :

MSVOA_X

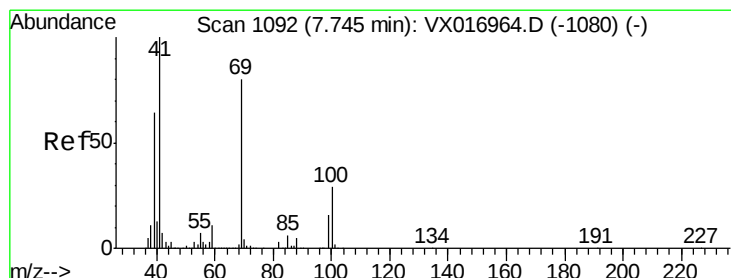
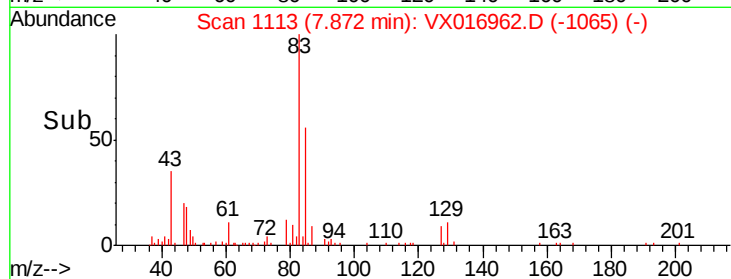
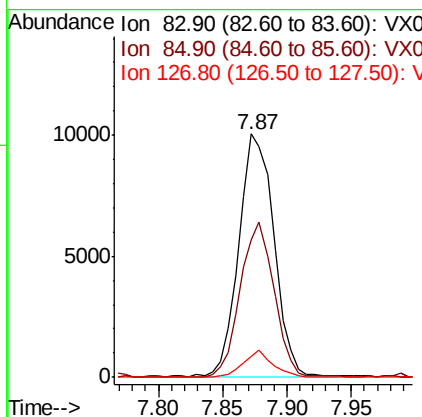
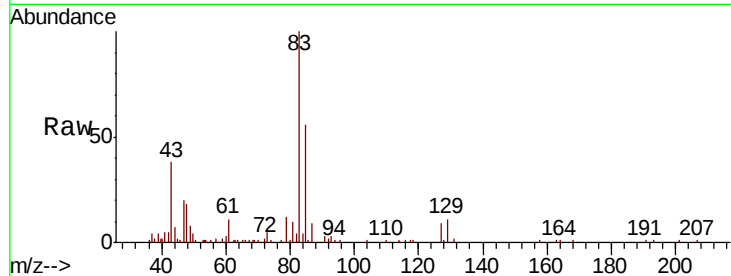
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	19108
Ion Ratio	Lower	Upper	
83	100		
85	56.3	53.1	79.7
127	8.7	6.8	10.2

Manual Integrations
APPROVED

MMDadoda
6/29/2020 12:32:17 PM



#48

Methyl methacrylate

Concen: 4.858 ug/l

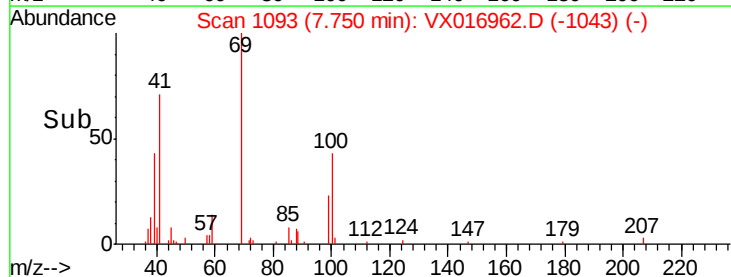
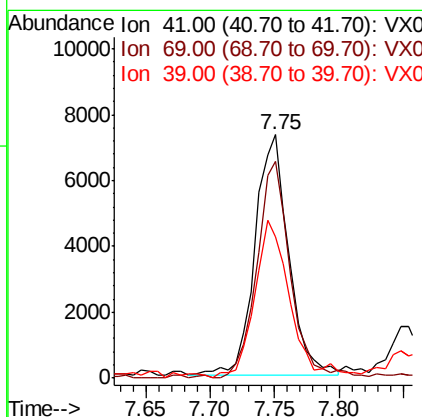
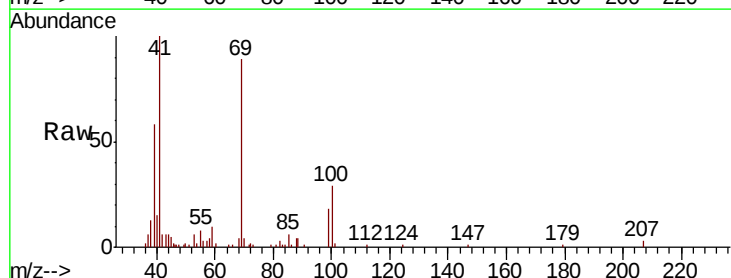
RT: 7.75 min Scan# 1093

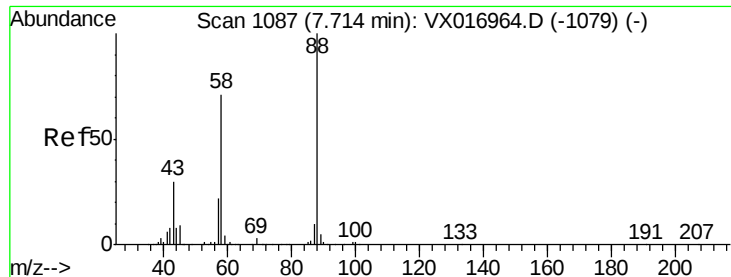
Delta R.T. 0.01 min

Lab File: VX016962.D

Acq: 25 Jun 2020 19:15

Tgt Ion:	41	Resp:	13281
Ion Ratio	Lower	Upper	
41	100		
69	89.1	62.7	94.1
39	66.1	49.6	74.4





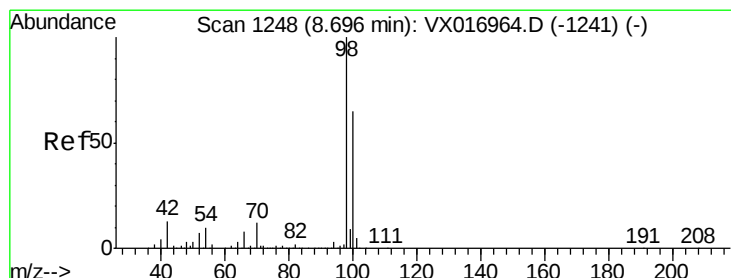
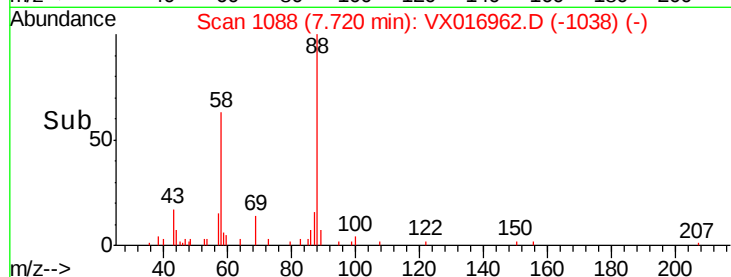
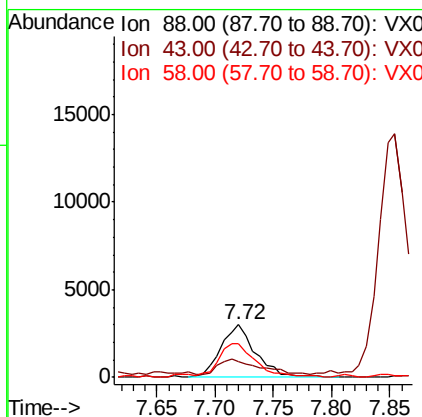
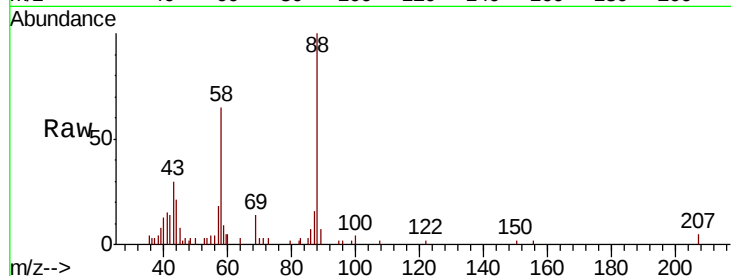
#49
1,4-Dioxane
Concen: 103.741 ug/l
RT: 7.72 min Scan# 1088
Delta R.T. 0.01 min
Lab File: VX016962.D
Acq: 25 Jun 2020 19:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
88	100	6196		
43	35.1		28.1	42.1
58	71.3		56.1	84.1

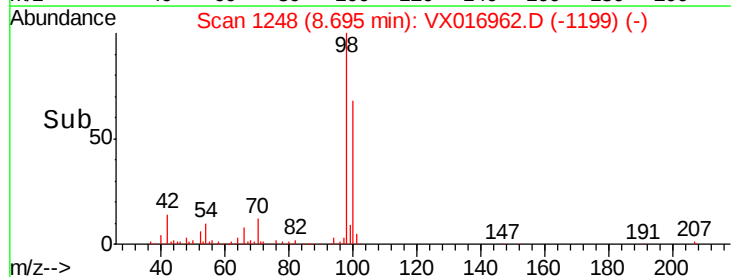
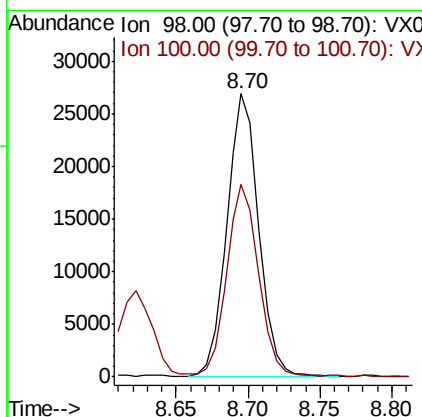
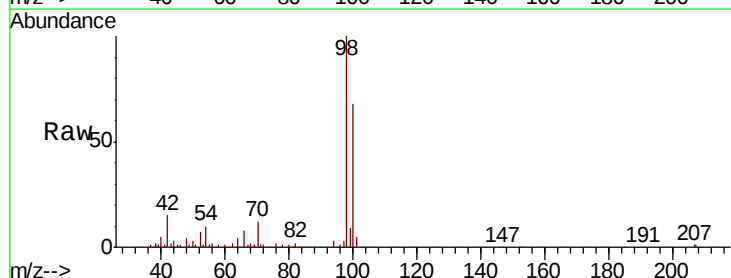
Manual Integrations
APPROVED

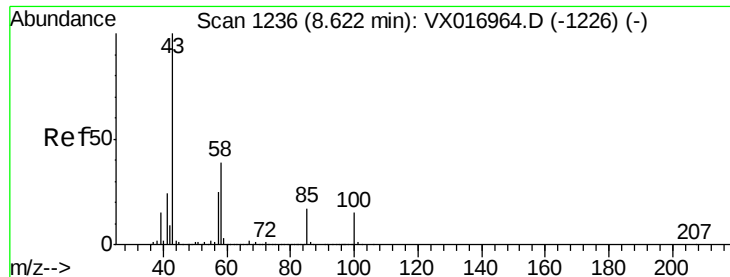
MMDadoda
6/29/2020 12:32:17 PM



#50
Toluene-d8
Concen: 5.164 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016962.D
Acq: 25 Jun 2020 19:15

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	41749		
100	68.4		52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 26.851 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VX016962.D

Acq: 25 Jun 2020 19:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 87545

Ion Ratio Lower Upper

43 100

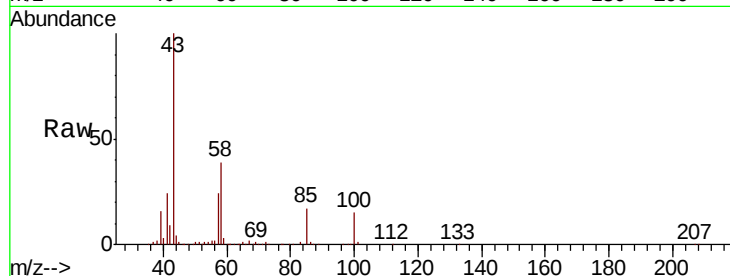
58 38.9 30.4 45.6

Manual Integrations

APPROVED

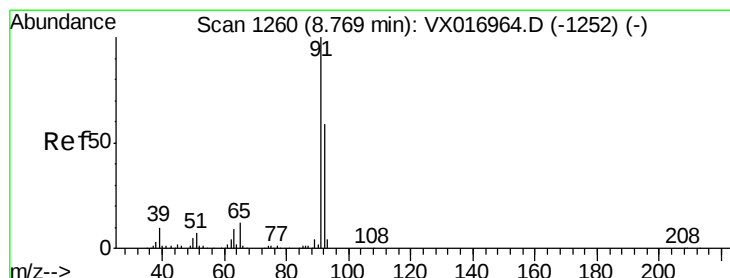
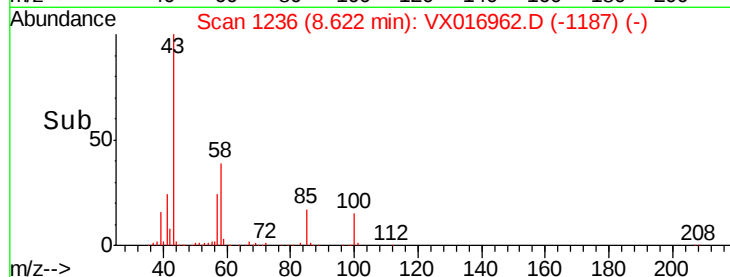
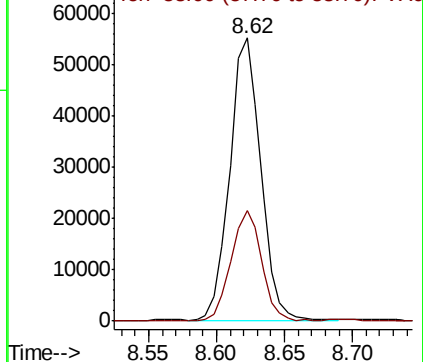
MMDadoda

6/29/2020 12:32:17 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 5.032 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. -0.01 min

Lab File: VX016962.D

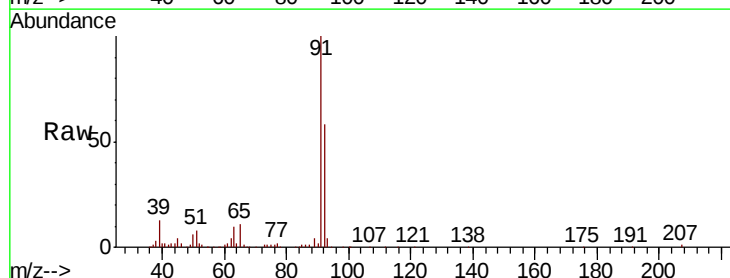
Acq: 25 Jun 2020 19:15

Tgt Ion: 92 Resp: 30850

Ion Ratio Lower Upper

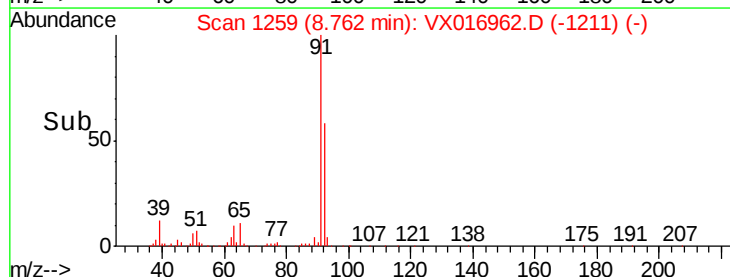
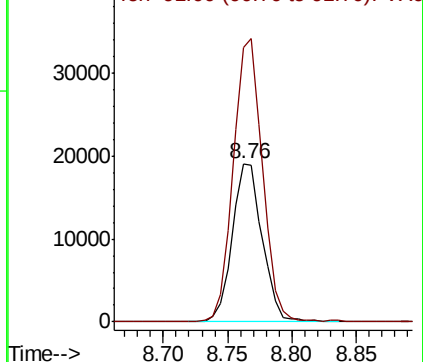
92 100

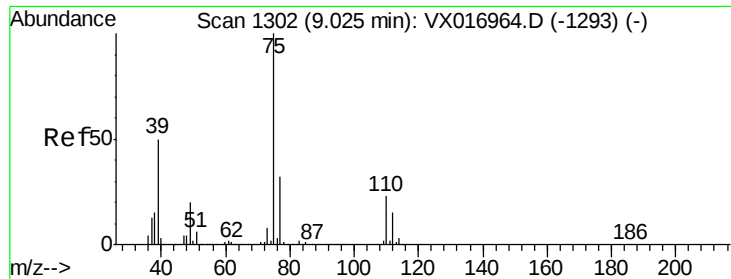
91 174.4 136.7 205.1



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





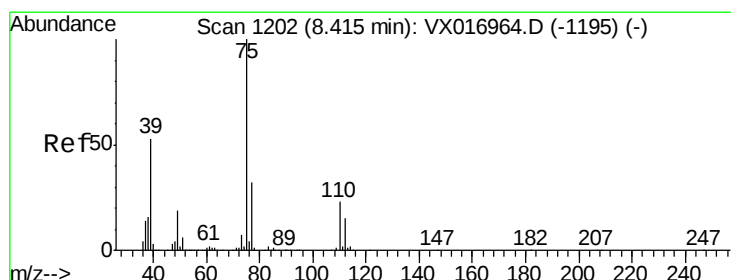
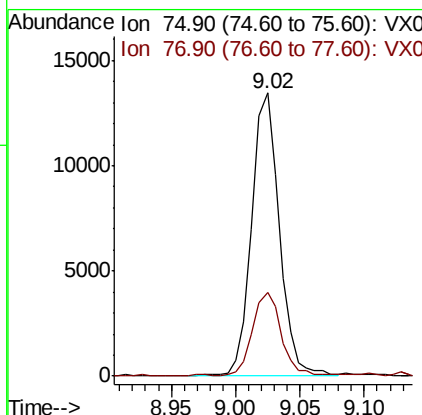
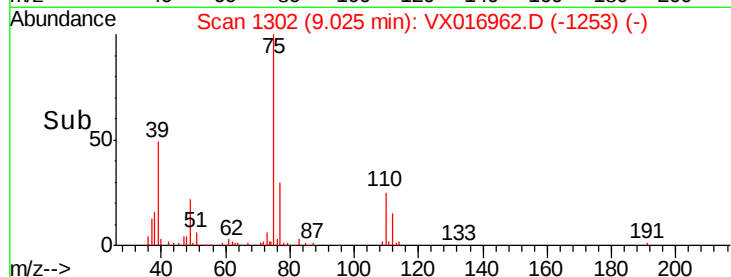
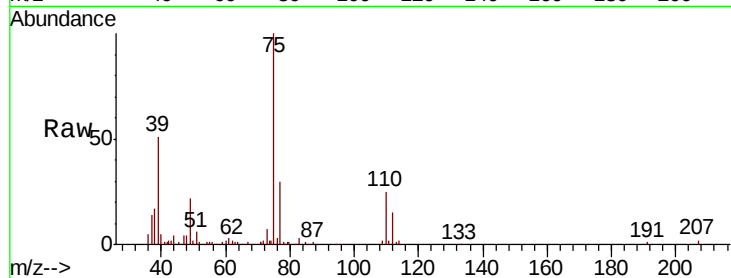
#53
 t-1,3-Dichloropropene
 Concen: 4.941 ug/l
 RT: 9.02 min Scan# 1302
 Delta R.T. -0.00 min
 Lab File: VX016962.D
 Acq: 25 Jun 2020 19:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion: 75 Resp: 20001
 Ion Ratio Lower Upper
 75 100
 77 29.6 25.8 38.6

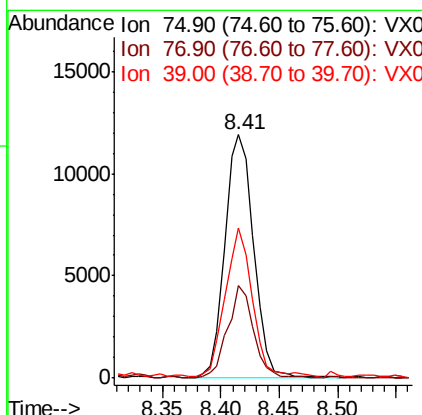
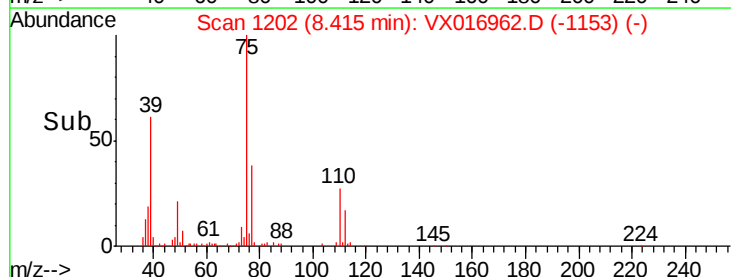
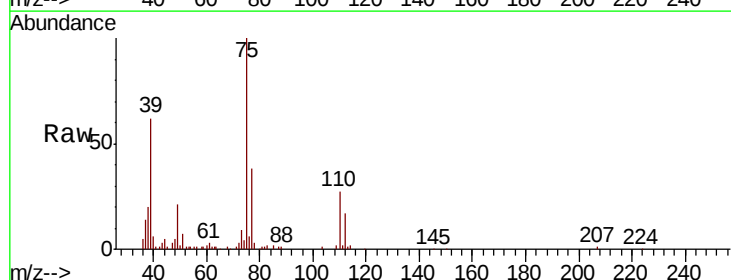
Manual Integrations
 APPROVED

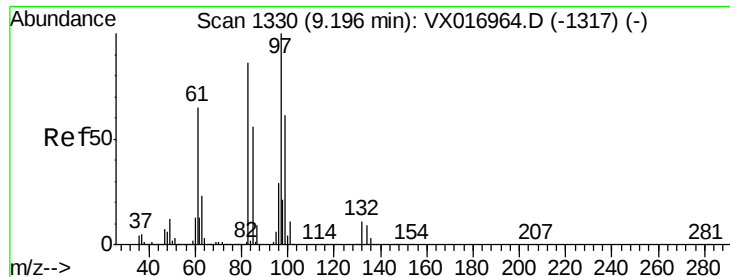
MMDadoda
 6/29/2020 12:32:17 PM



#54
 cis-1,3-Dichloropropene
 Concen: 4.823 ug/l
 RT: 8.41 min Scan# 1202
 Delta R.T. -0.00 min
 Lab File: VX016962.D
 Acq: 25 Jun 2020 19:15

Tgt Ion: 75 Resp: 20412
 Ion Ratio Lower Upper
 75 100
 77 38.2 25.7 38.5
 39 61.0 42.7 64.1





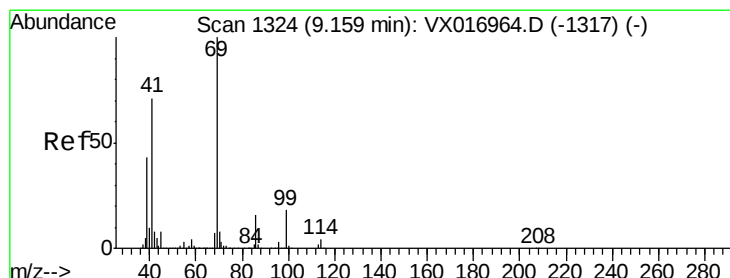
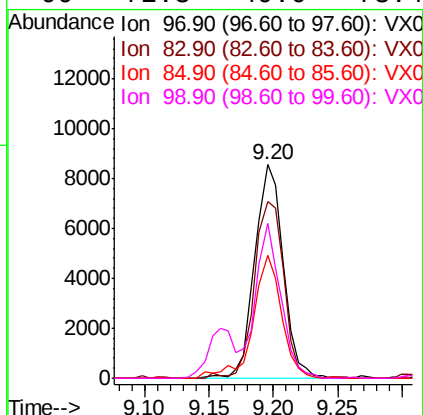
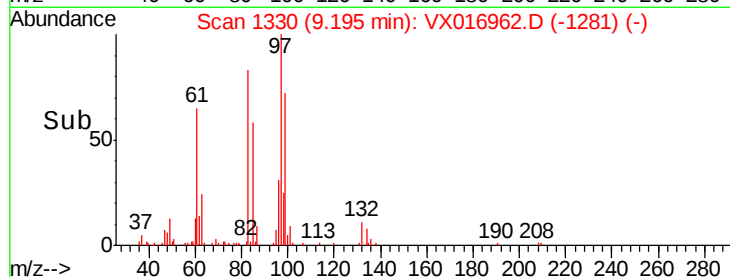
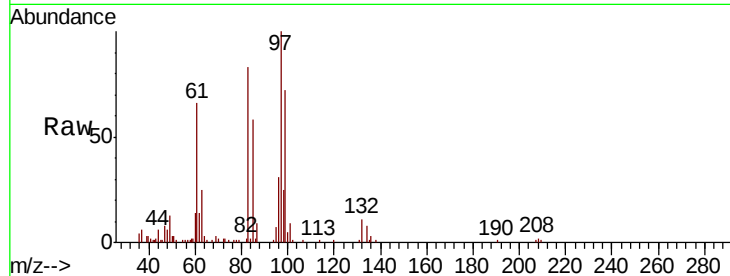
#55
1,1,2-Trichloroethane
Concen: 5.317 ug/l
RT: 9.20 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VX016962.D
Acq: 25 Jun 2020 19:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:	97	Resp:	13028
Ion	Ratio	Lower	Upper
97	100		
83	82.8	68.6	103.0
85	57.7	44.5	66.7
99	72.3	49.0	73.4

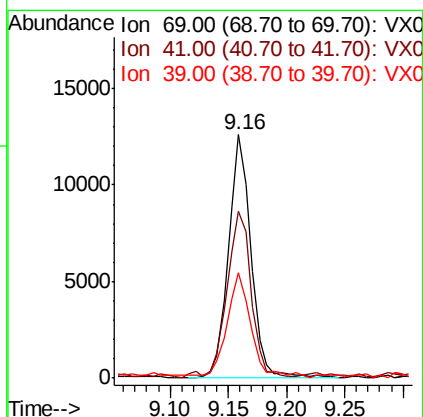
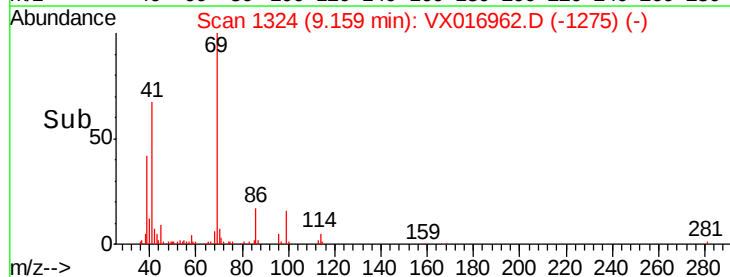
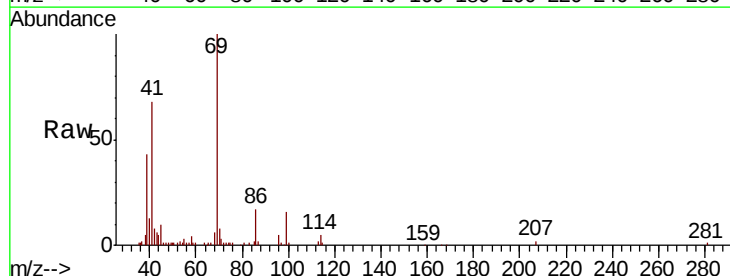
Manual Integrations
APPROVED

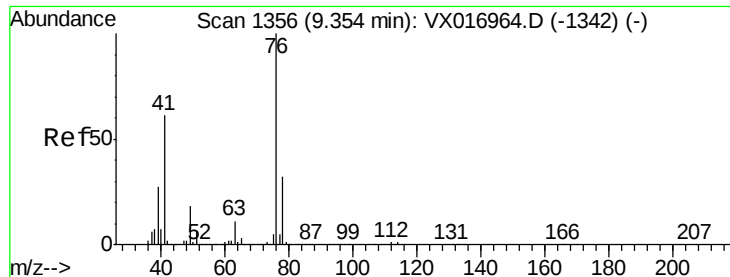
MMDadoda
6/29/2020 12:32:17 PM



#56
Ethyl methacrylate
Concen: 4.346 ug/l
RT: 9.16 min Scan# 1324
Delta R.T. -0.00 min
Lab File: VX016962.D
Acq: 25 Jun 2020 19:15

Tgt Ion:	69	Resp:	17055
Ion	Ratio	Lower	Upper
69	100		
41	74.1	55.9	83.9
39	46.2	34.6	51.8





#57

1,3-Dichloropropane

Concen: 5.131 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. -0.00 min

Lab File: VX016962.D

Acq: 25 Jun 2020 19:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 21506

Ion Ratio Lower Upper

76 100

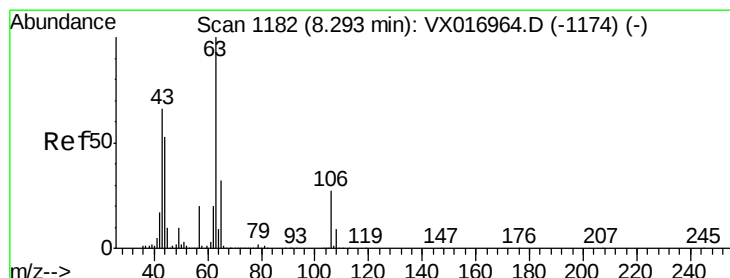
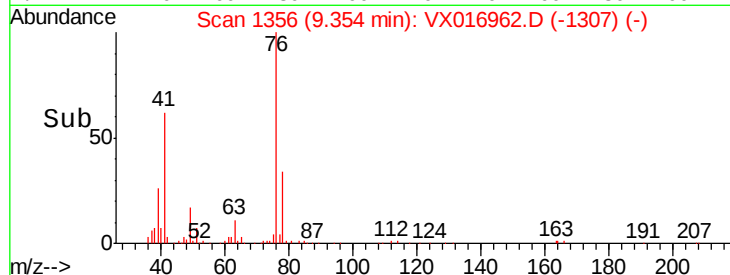
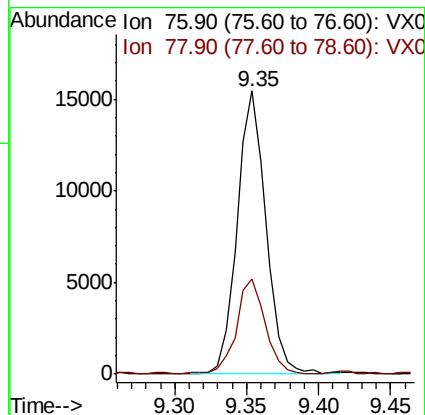
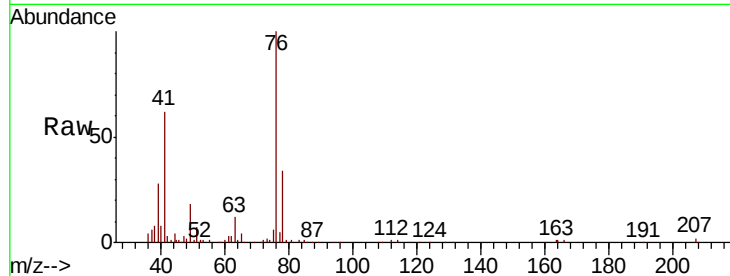
78 33.8 26.0 39.0

Manual Integrations

APPROVED

MMDadoda

6/29/2020 12:32:17 PM



#58

2-Chloroethyl Vinyl ether

Concen: 24.236 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VX016962.D

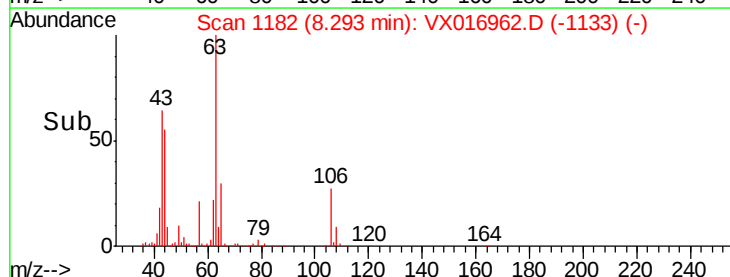
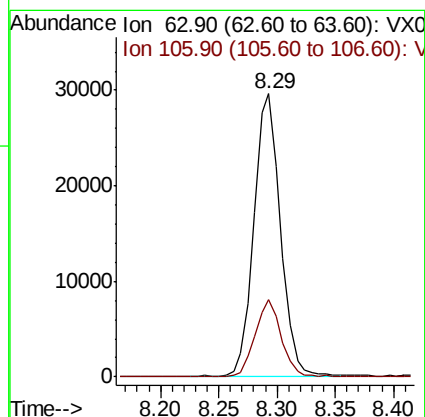
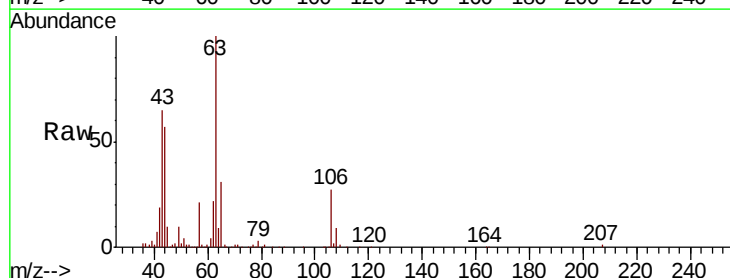
Acq: 25 Jun 2020 19:15

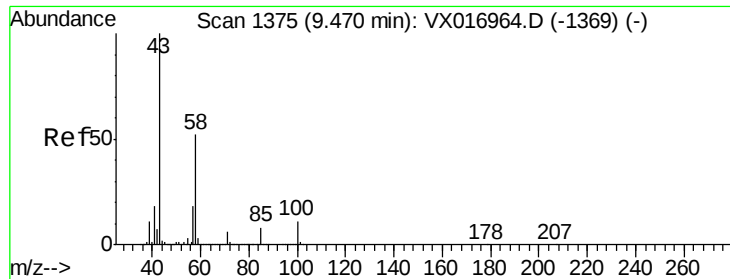
Tgt Ion: 63 Resp: 47302

Ion Ratio Lower Upper

63 100

106 27.0 22.1 33.1





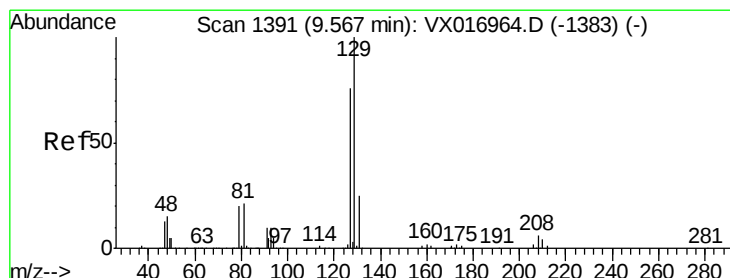
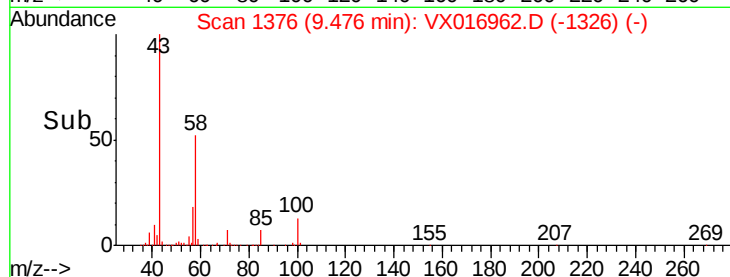
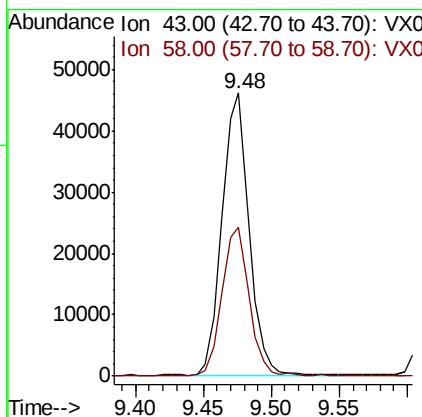
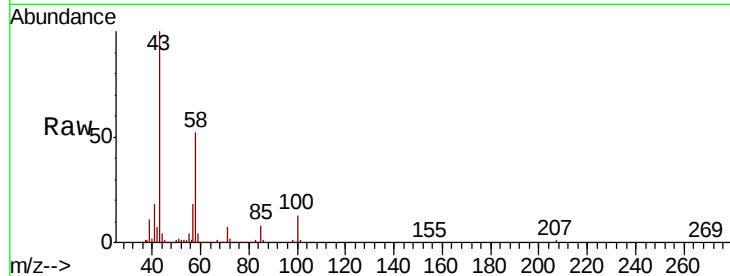
#59
2-Hexanone
Concen: 25.650 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. 0.01 min
Lab File: VX016962.D
Acq: 25 Jun 2020 19:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 63415
Ion Ratio Lower Upper
43 100
58 52.5 26.3 78.9

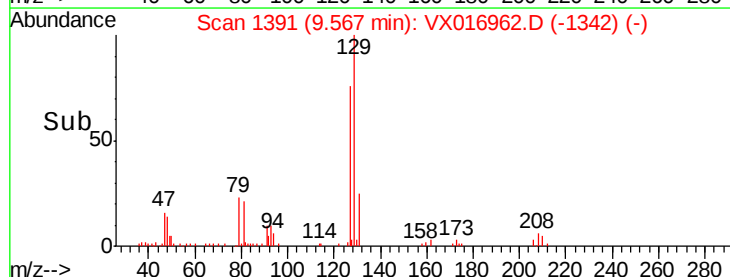
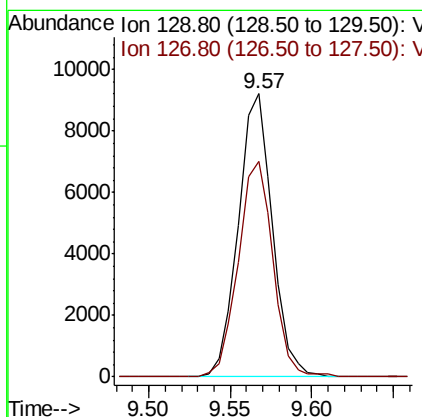
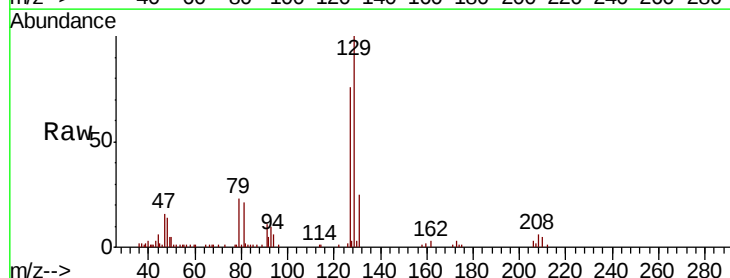
Manual Integrations
APPROVED

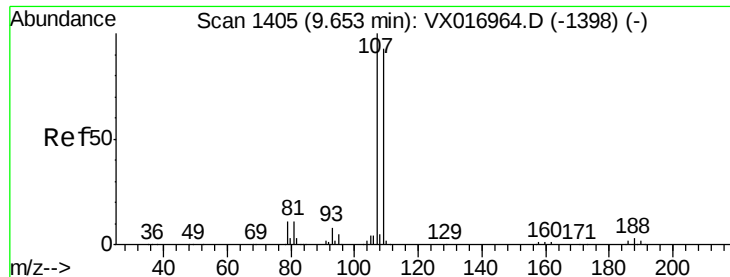
MMDadoda
6/29/2020 12:32:17 PM



#60
Dibromochloromethane
Concen: 5.377 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VX016962.D
Acq: 25 Jun 2020 19:15

Tgt Ion: 129 Resp: 13384
Ion Ratio Lower Upper
129 100
127 77.8 38.0 114.0





#61

1,2-Dibromoethane

Concen: 5.087 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. -0.00 min

Lab File: VX016962.D

Acq: 25 Jun 2020 19:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:107 Resp: 12958

Ion Ratio Lower Upper

107 100

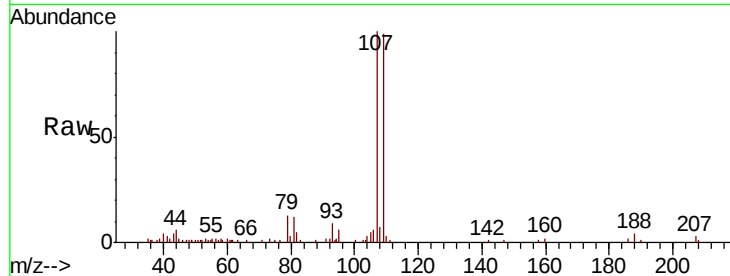
109 97.7 75.0 112.6

Manual Integrations

APPROVED

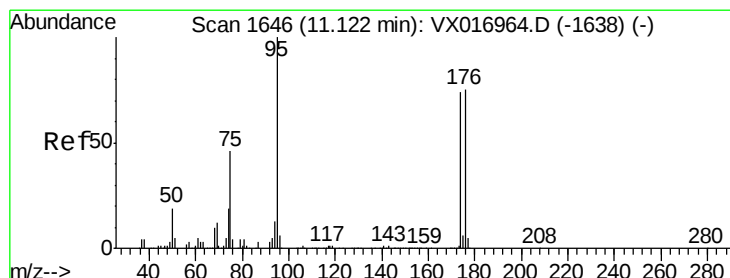
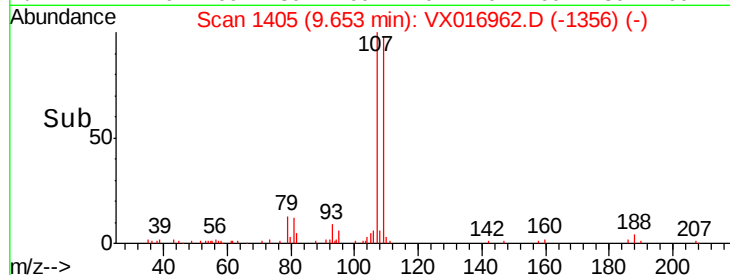
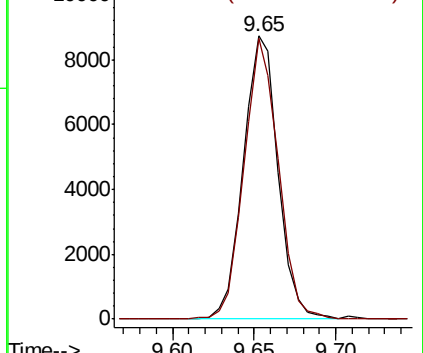
MMDadoda

6/29/2020 12:32:17 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 4.880 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016962.D

Acq: 25 Jun 2020 19:15

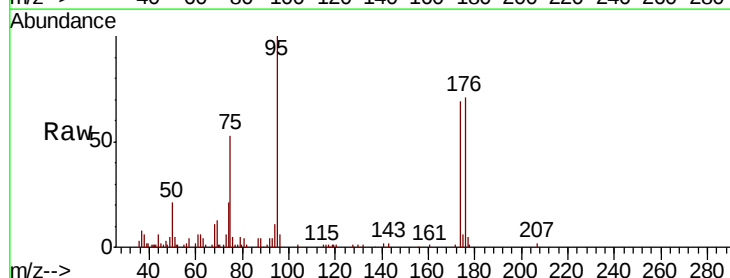
Tgt Ion: 95 Resp: 15906

Ion Ratio Lower Upper

95 100

174 75.7 0.0 149.6

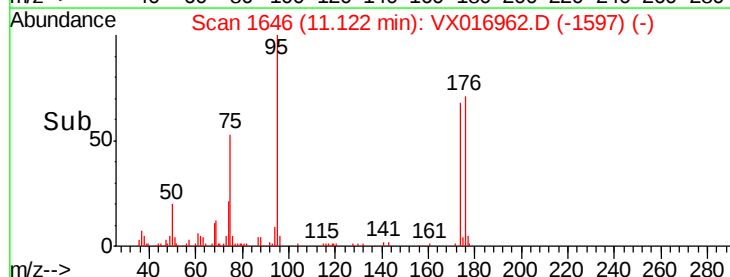
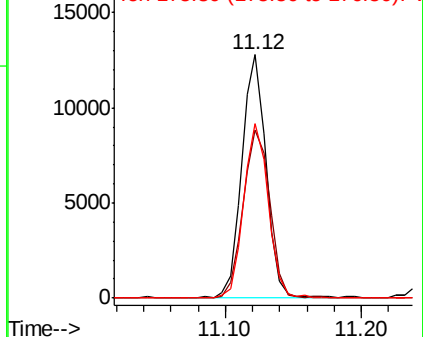
176 72.8 0.0 148.2

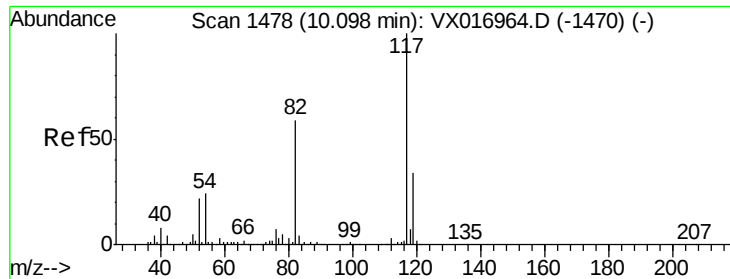


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





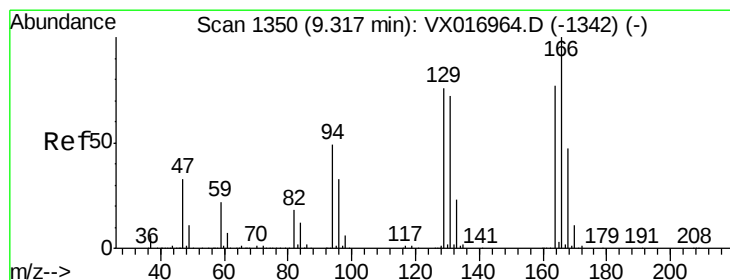
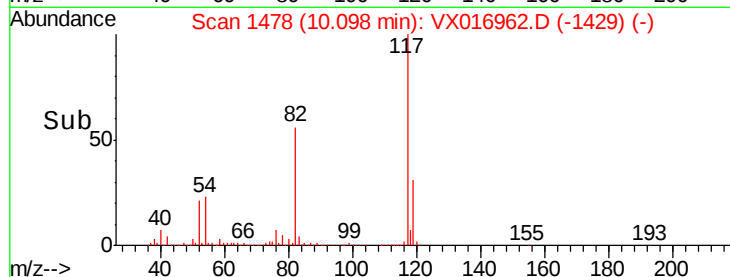
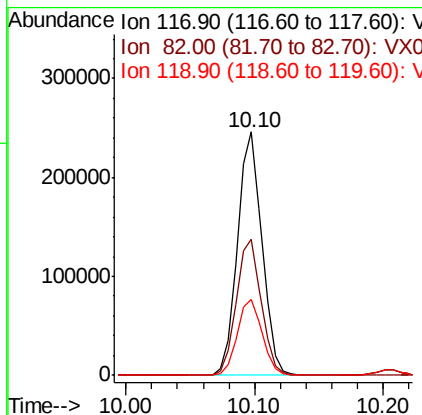
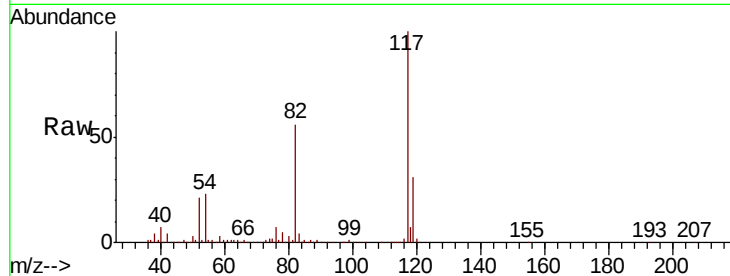
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016962.D
Acq: 25 Jun 2020 19:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.8	46.8	70.2
119	31.3	27.3	40.9

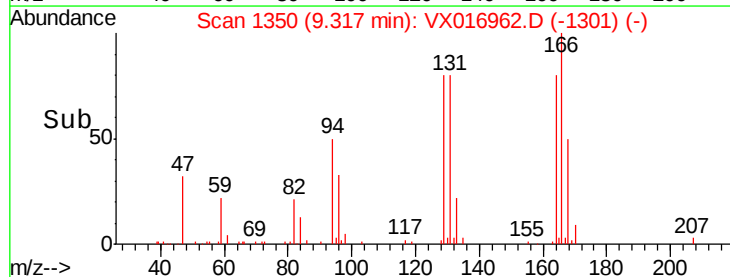
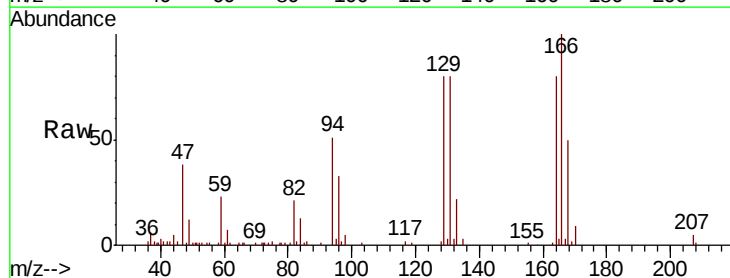
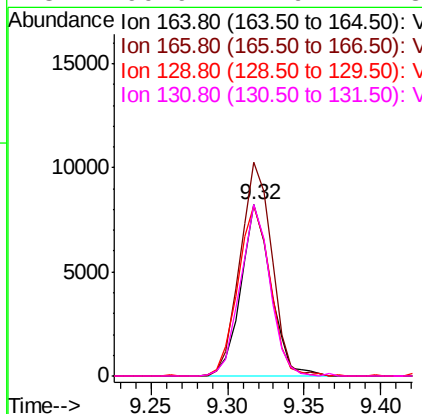
Manual Integrations
APPROVED

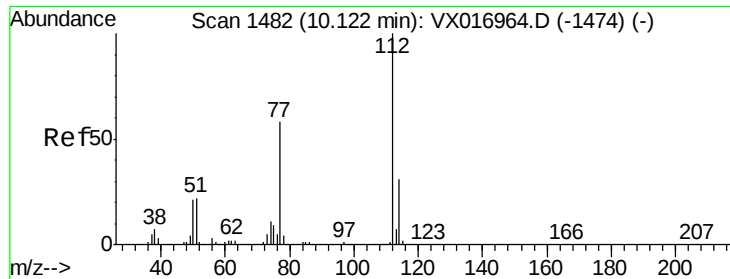
MMDadoda
6/29/2020 12:32:17 PM



#64
Tetrachloroethene
Concen: 3.684 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX016962.D
Acq: 25 Jun 2020 19:15

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.8	104.2	156.4
129	99.4	79.3	118.9
131	99.9	74.9	112.3





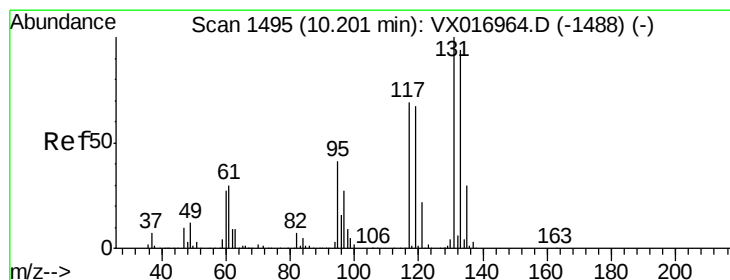
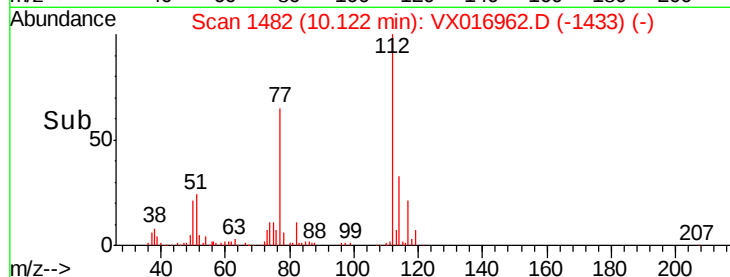
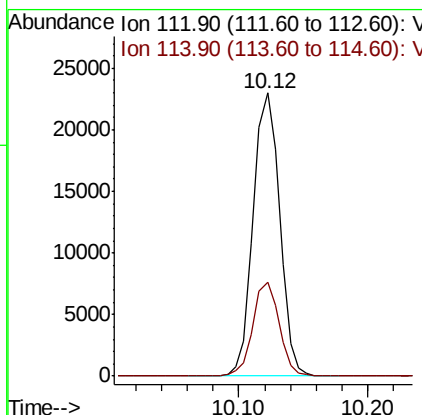
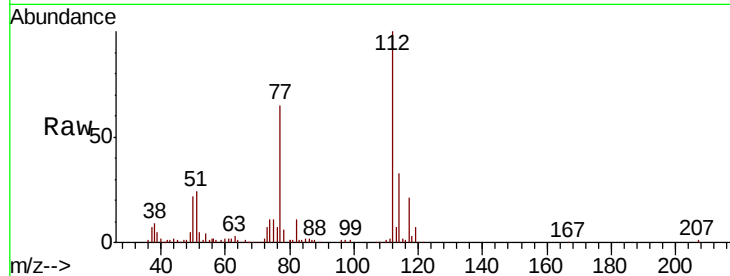
#65
Chlorobenzene
Concen: 5.064 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX016962.D
Acq: 25 Jun 2020 19:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.2	24.8	37.2

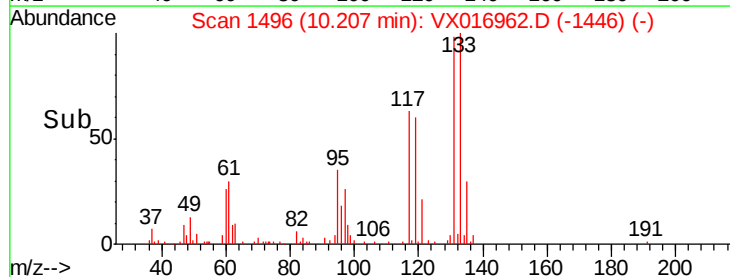
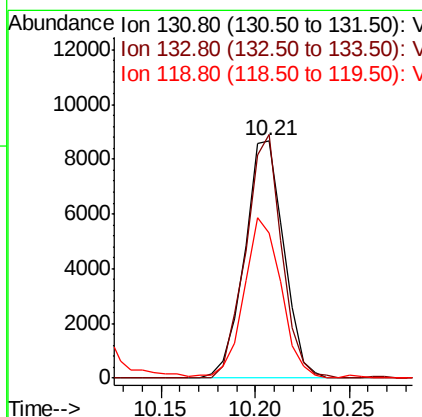
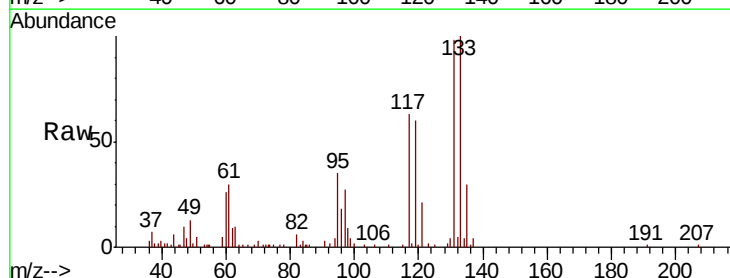
Manual Integrations
APPROVED

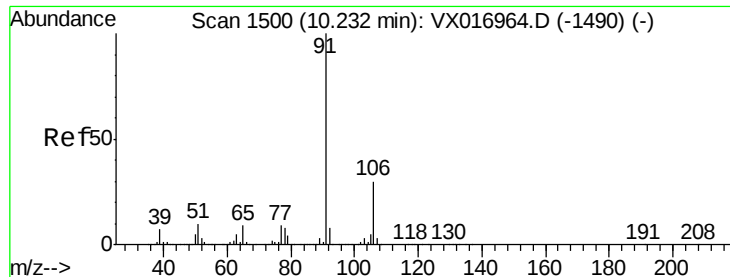
MMDadoda
6/29/2020 12:32:17 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 5.414 ug/l
RT: 10.21 min Scan# 1496
Delta R.T. 0.01 min
Lab File: VX016962.D
Acq: 25 Jun 2020 19:15

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.3	48.0	144.0
119	64.2	32.8	98.4





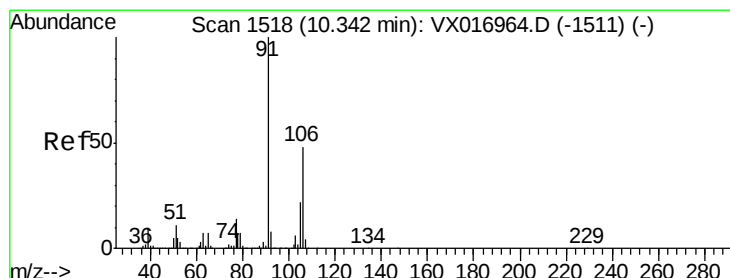
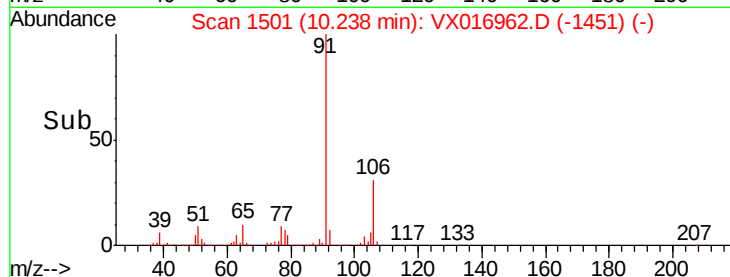
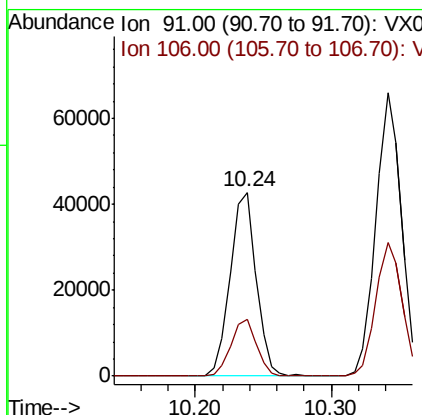
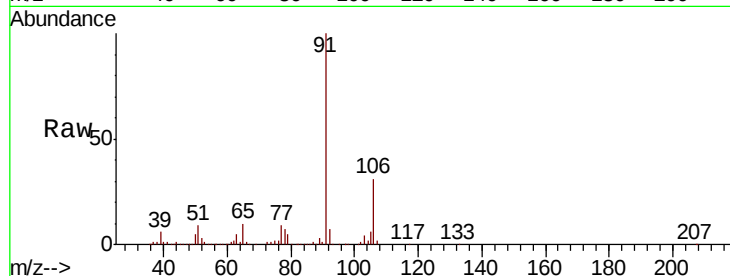
#67
Ethyl Benzene
Concen: 4.821 ug/l
RT: 10.24 min Scan# 1501
Delta R.T. 0.01 min
Lab File: VX016962.D
Acq: 25 Jun 2020 19:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 57159
Ion Ratio Lower Upper
91 100
106 31.2 24.1 36.1

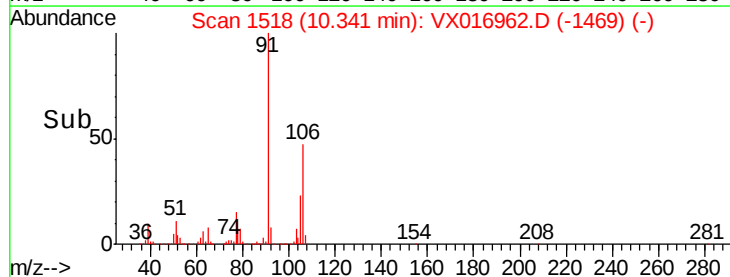
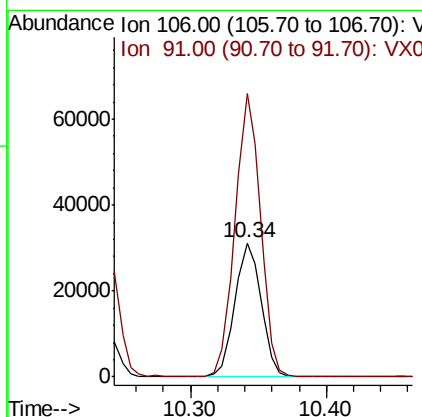
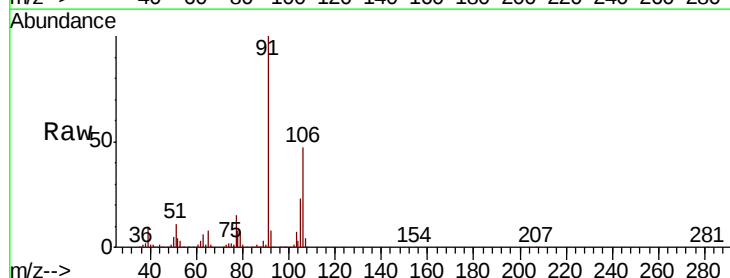
Manual Integrations
APPROVED

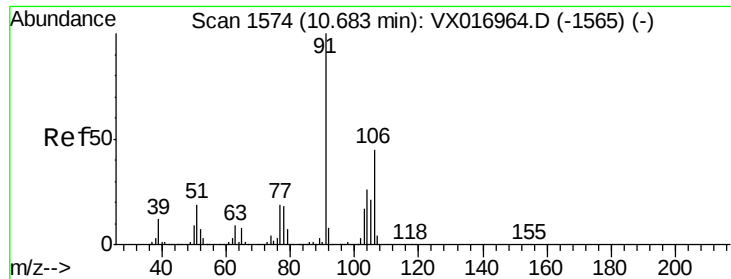
MMDadoda
6/29/2020 12:32:17 PM



#68
m/p-Xylenes
Concen: 9.700 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX016962.D
Acq: 25 Jun 2020 19:15

Tgt Ion: 106 Resp: 42248
Ion Ratio Lower Upper
106 100
91 204.5 164.1 246.1





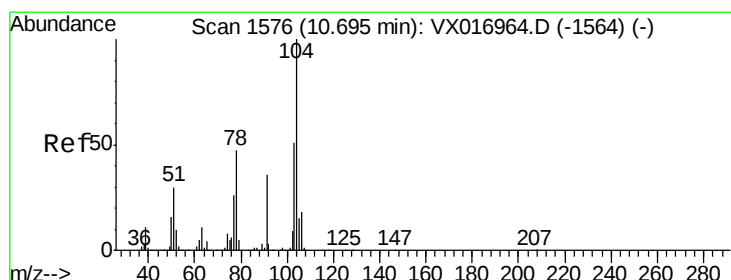
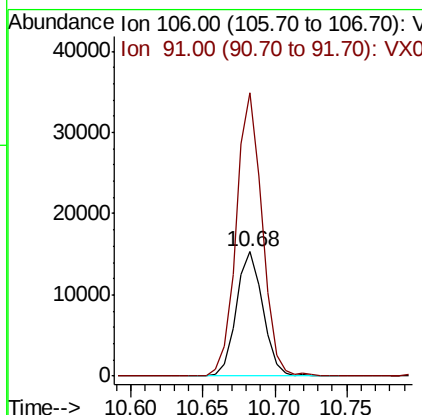
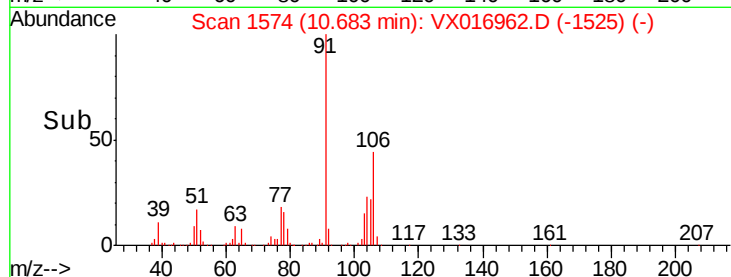
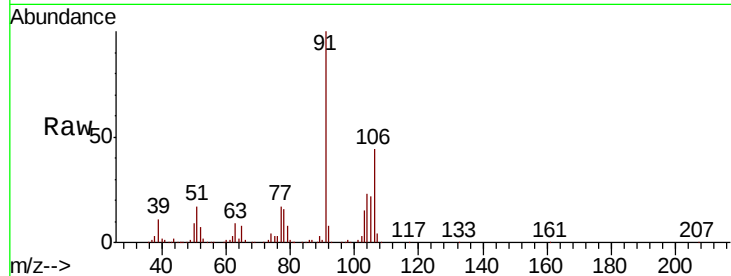
#69
o-Xylene
Concen: 4.678 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX016962.D
Acq: 25 Jun 2020 19:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		19813		
91	221.7	109.1	327.2		

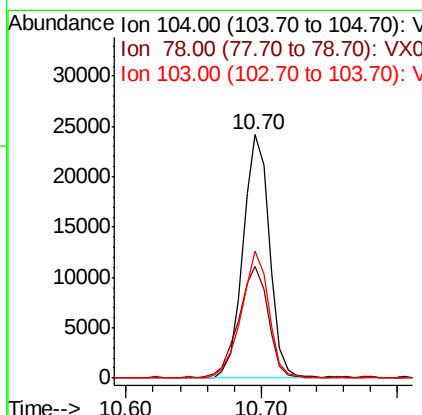
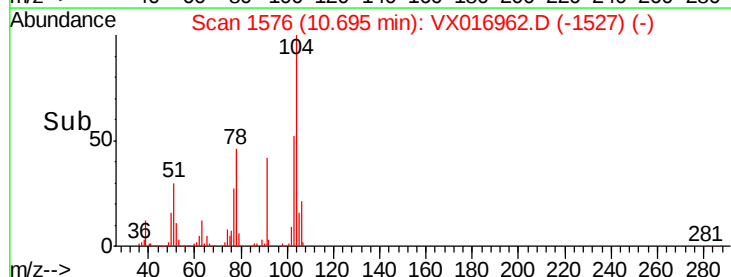
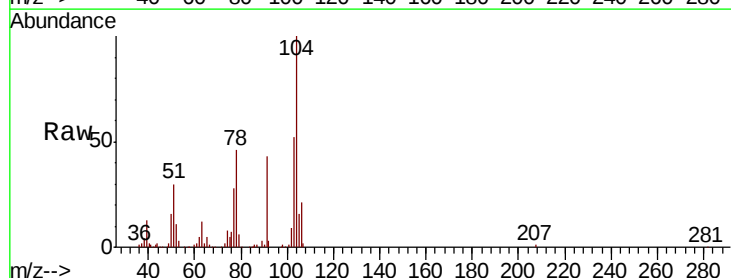
Manual Integrations
APPROVED

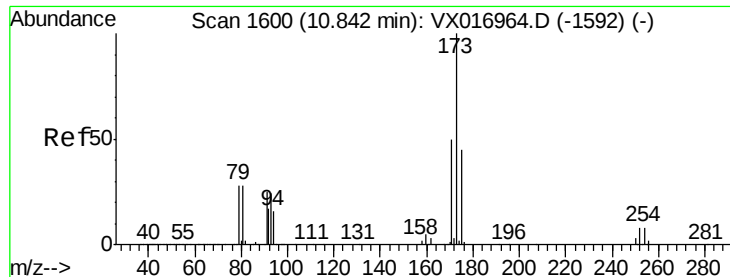
MMDadoda
6/29/2020 12:32:17 PM



#70
Styrene
Concen: 4.512 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX016962.D
Acq: 25 Jun 2020 19:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		32886		
78	52.1	41.9	62.9		
103	54.3	43.9	65.9		





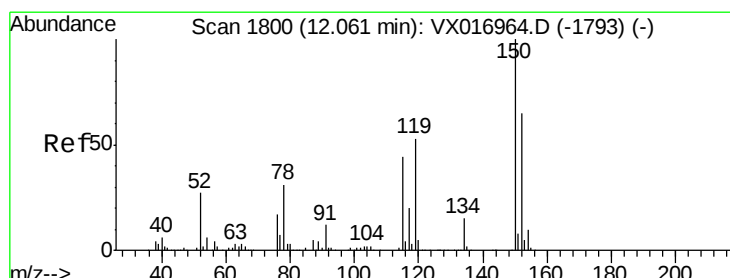
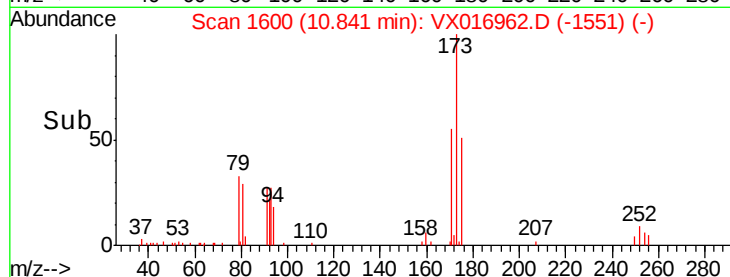
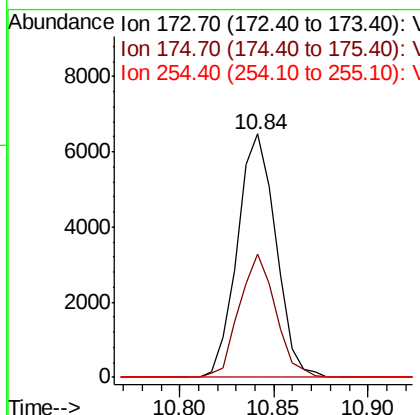
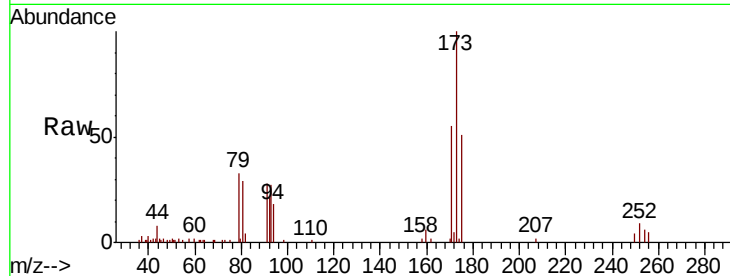
#71
Bromoform
Concen: 5.696 ug/l
RT: 10.84 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VX016962.D
Acq: 25 Jun 2020 19:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	23.4	70.2
254	0.0	0.0	0.0

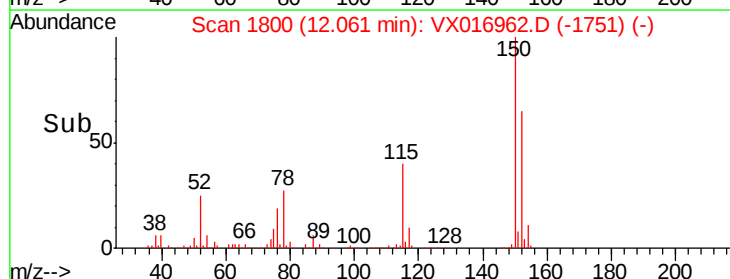
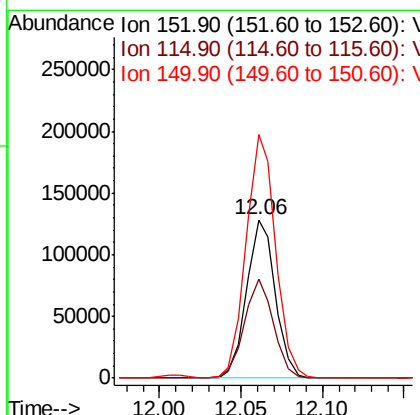
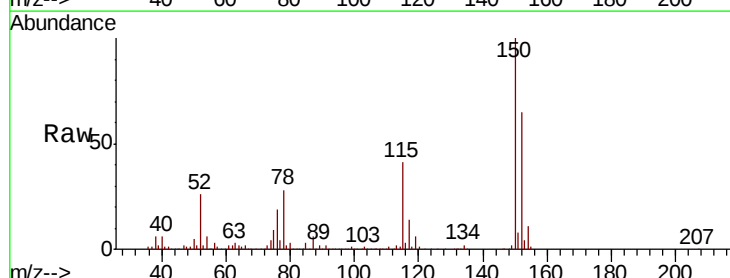
Manual Integrations
APPROVED

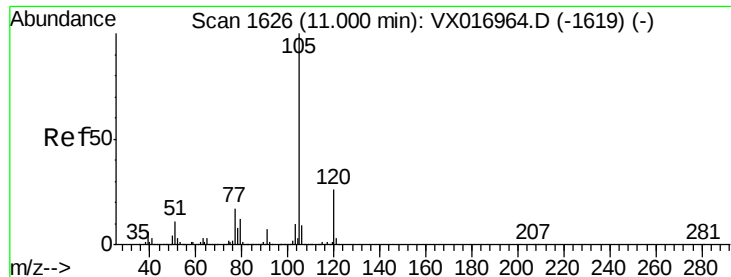
MMDadoda
6/29/2020 12:32:17 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX016962.D
Acq: 25 Jun 2020 19:15

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.4	42.8	128.4
150	158.5	0.0	347.8





#73

Isopropylbenzene

Concen: 4.668 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX016962.D

Acq: 25 Jun 2020 19:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 105 Resp: 54040

Ion Ratio Lower Upper

105 100

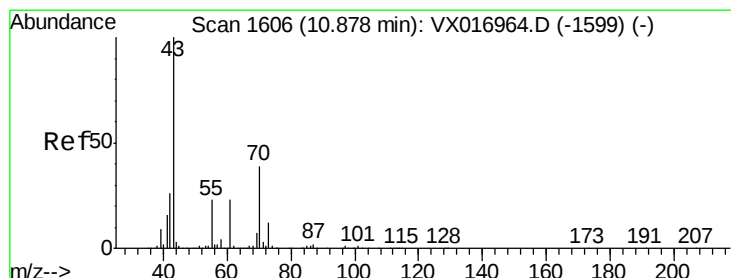
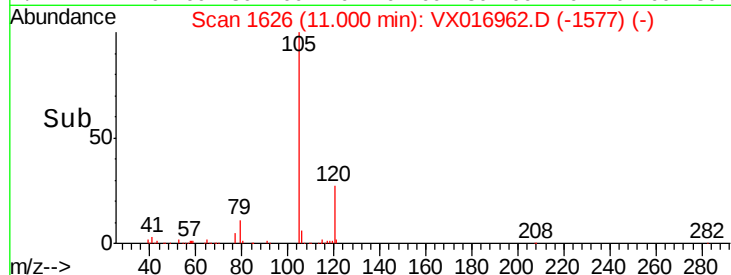
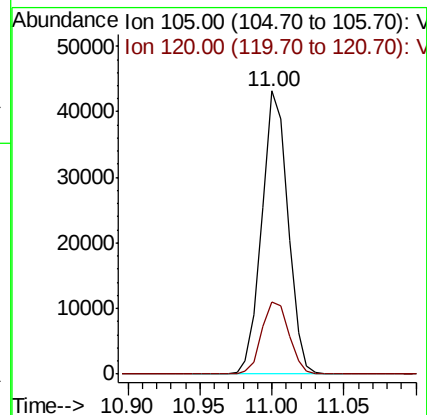
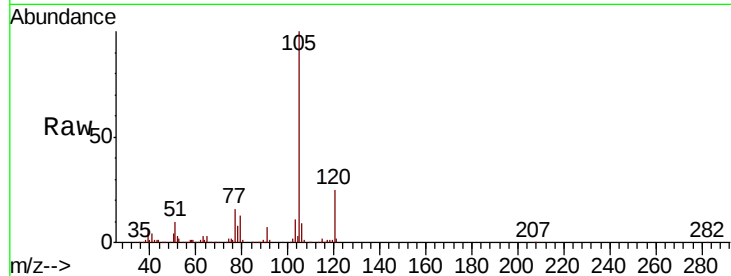
120 26.6 13.1 39.1

Manual Integrations

APPROVED

MMDadoda

6/29/2020 12:32:17 PM



#74

N-ethyl acetate

Concen: 4.707 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. -0.00 min

Lab File: VX016962.D

Acq: 25 Jun 2020 19:15

Tgt Ion: 43 Resp: 24083

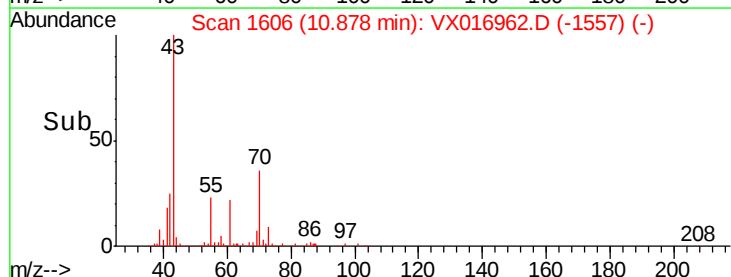
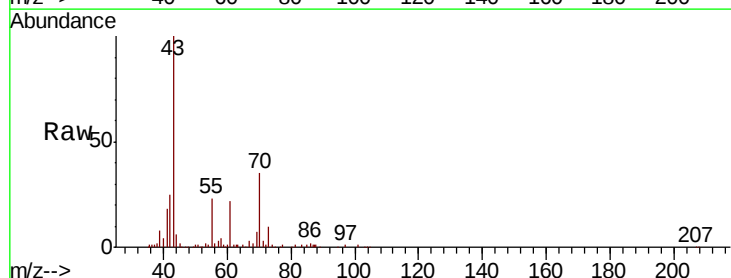
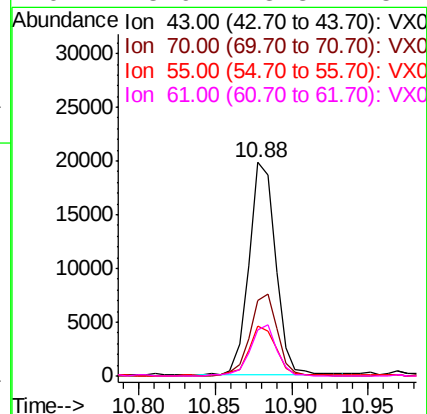
Ion Ratio Lower Upper

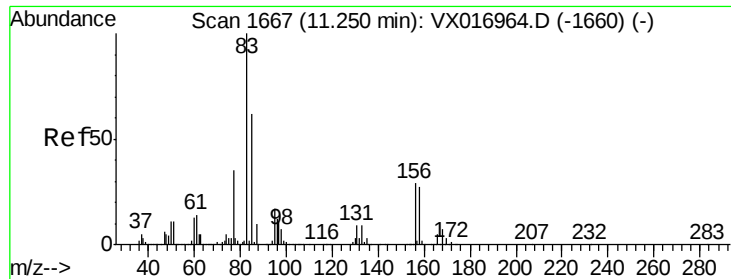
43 100

70 39.3 32.1 48.1

55 23.4 18.6 28.0

61 23.9 18.8 28.2





#75

1,1,2,2-Tetrachloroethane

Concen: 6.657 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. -0.00 min

Lab File: VX016962.D

Acq: 25 Jun 2020 19:15

Instrument :

MSVOA_X

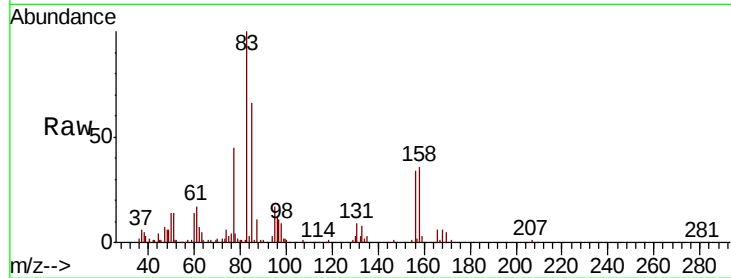
ClientSampleId :

VSTDIC005

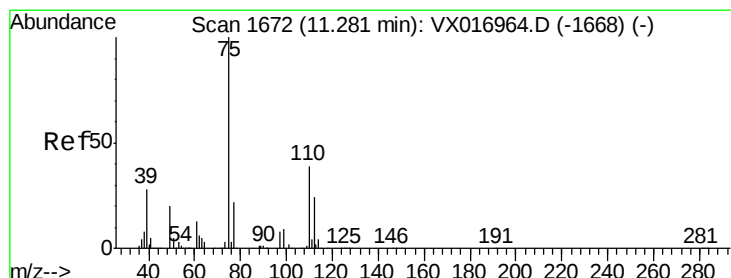
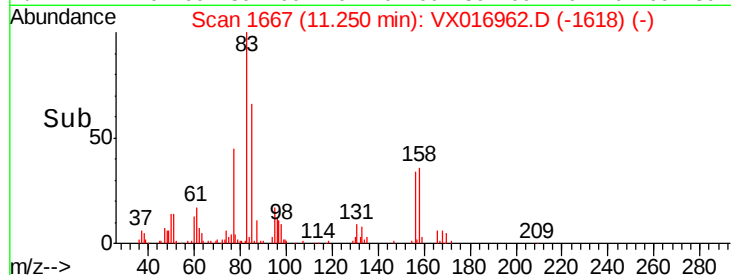
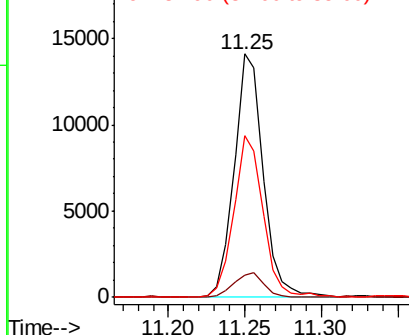
Tot Ion:	83	Resp:	18549
Ion Ratio	Lower	Upper	
83	100		
131	10.4	4.9	14.7
85	67.0	32.0	96.2

Manual Integrations
APPROVED

MMDadoda
6/29/2020 12:32:17 PM



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 5.170 ug/l m

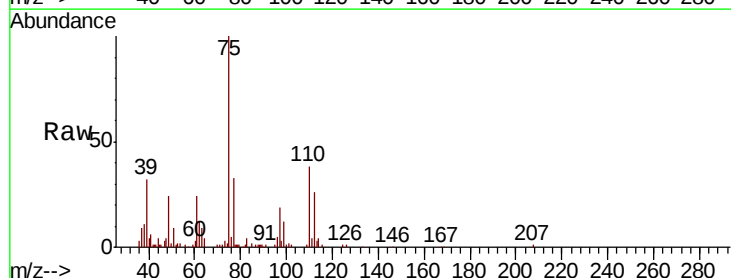
RT: 11.28 min Scan# 1672

Delta R.T. -0.00 min

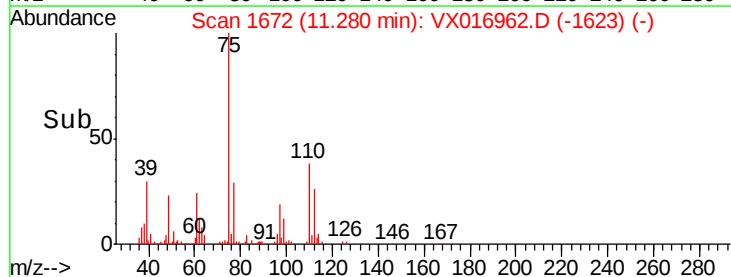
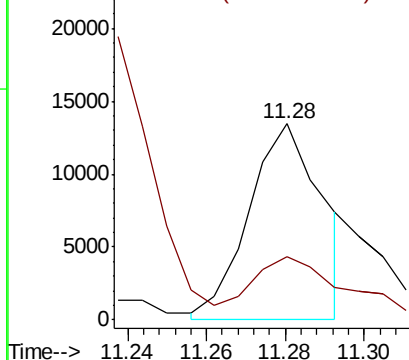
Lab File: VX016962.D

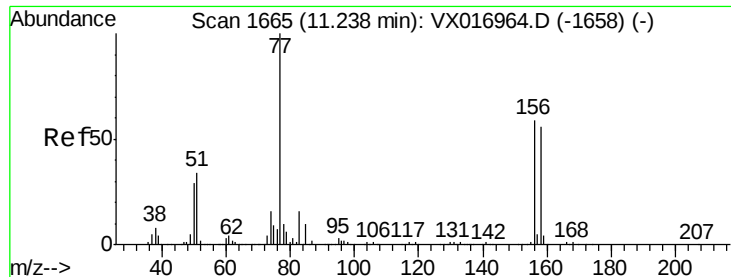
Acq: 25 Jun 2020 19:15

Tgt Ion:	75	Resp:	17451
Ion Ratio	Lower	Upper	
75	100		
77	41.2	20.3	61.0



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 5.318 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VX016962.D

Acq: 25 Jun 2020 19:15

Instrument :

MSVOA_X

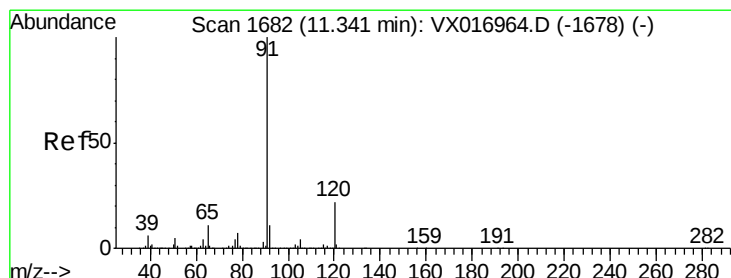
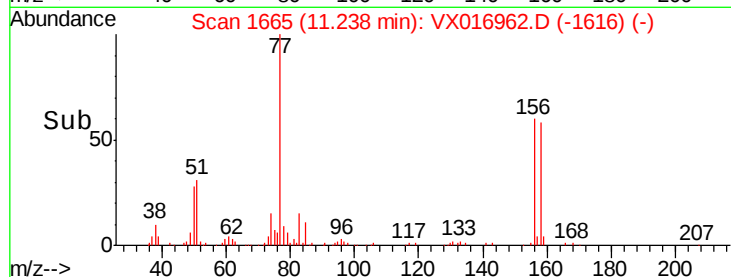
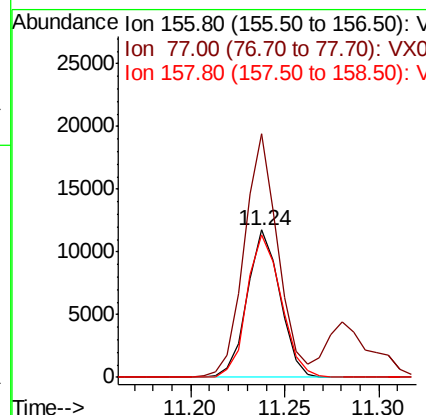
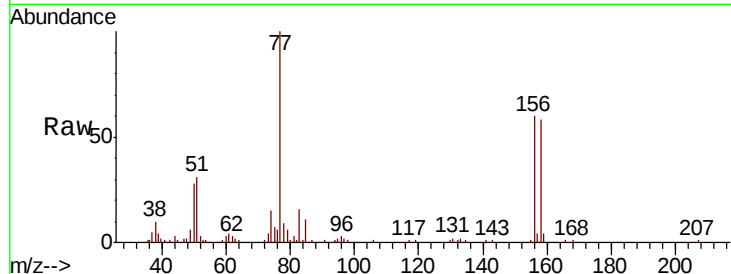
ClientSampleId :

VSTDIC005

Tot Ion:	156	Resp:	14216
Ion	Ratio	Lower	Upper
156	100		
77	169.6	85.2	255.6
158	100.3	48.3	144.9

Manual Integrations
APPROVED

MMDadoda
6/29/2020 12:32:17 PM



#78

n-propylbenzene

Concen: 4.544 ug/l

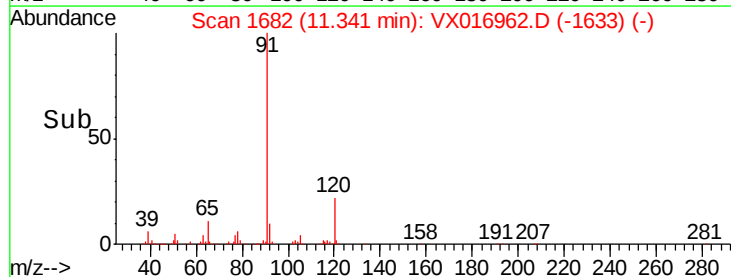
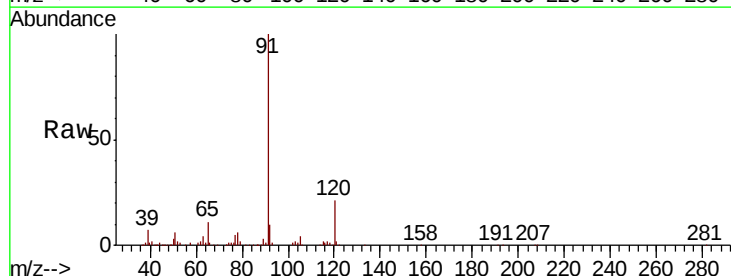
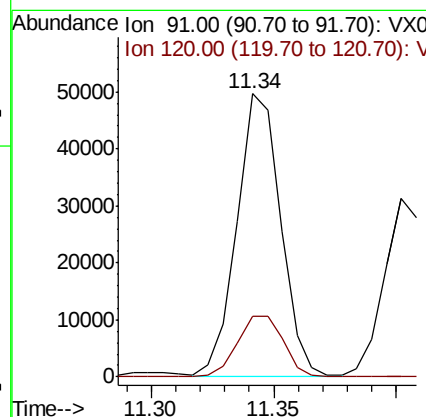
RT: 11.34 min Scan# 1682

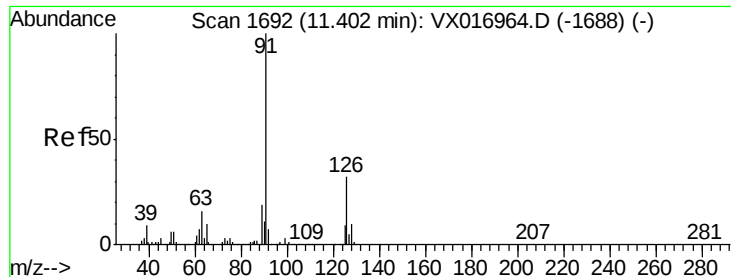
Delta R.T. -0.00 min

Lab File: VX016962.D

Acq: 25 Jun 2020 19:15

Tgt Ion:	91	Resp:	62194
Ion	Ratio	Lower	Upper
91	100		
120	22.6	11.3	33.8





#79

2-Chlorotoluene

Concen: 4.838 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VX016962.D

Acq: 25 Jun 2020 19:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 39007

Ion Ratio Lower Upper

91 100

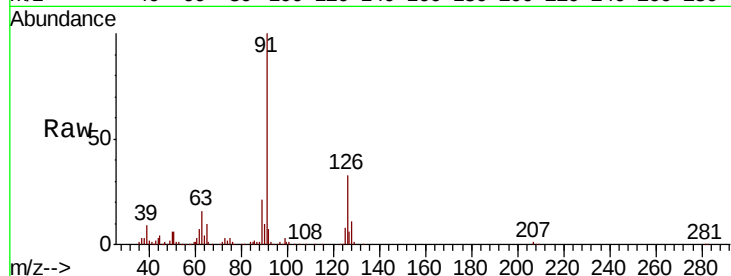
126 34.9 16.6 49.8

Manual Integrations

APPROVED

MMDadoda

6/29/2020 12:32:17 PM



Abundance Ion 91.00 (90.70 to 91.70): VX016962.D (-1688) (-)

Ion 125.90 (125.60 to 126.60): VX016962.D (-1688) (-)

50000

40000

30000

20000

10000

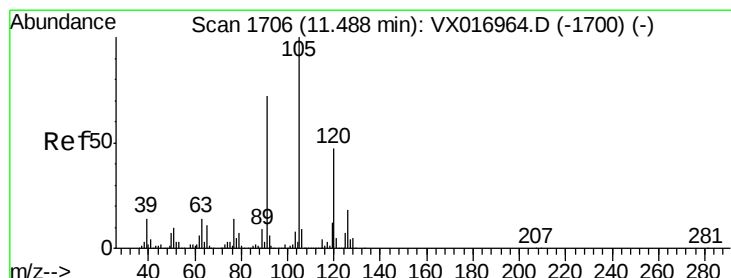
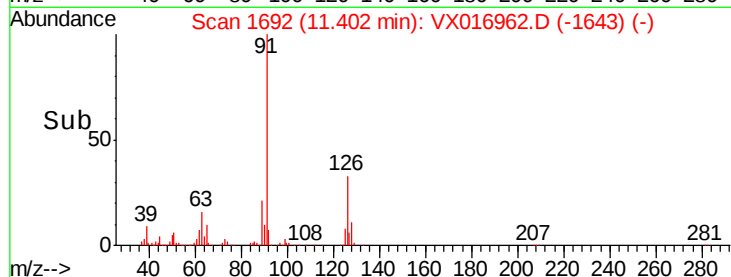
0

11.35

11.40

11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 4.559 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.01 min

Lab File: VX016962.D

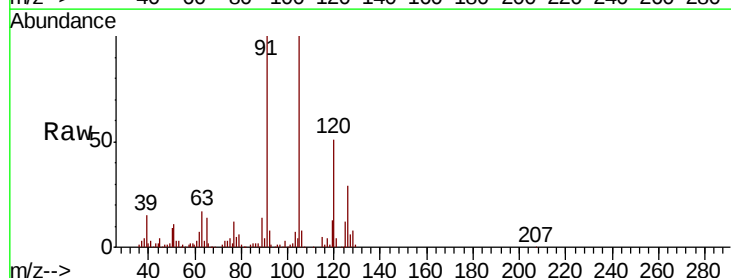
Acq: 25 Jun 2020 19:15

Tgt Ion: 105 Resp: 44794

Ion Ratio Lower Upper

105 100

120 50.4 24.2 72.6



Abundance Ion 105.00 (104.70 to 105.70): VX016962.D (-1657) (-)

Ion 120.00 (119.70 to 120.70): VX016962.D (-1657) (-)

40000

30000

20000

10000

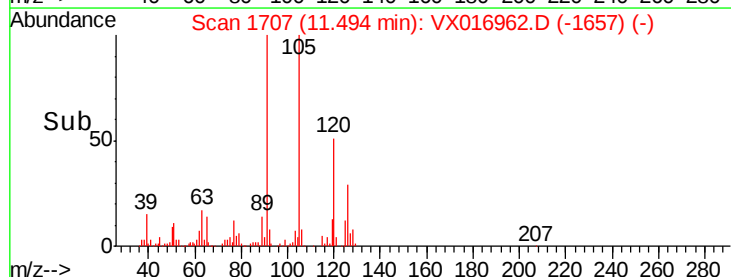
0

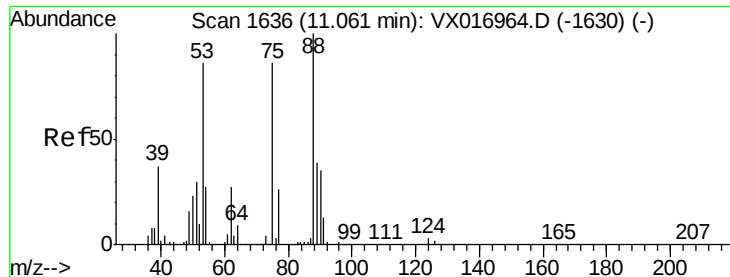
11.45

11.50

11.55

Time-->





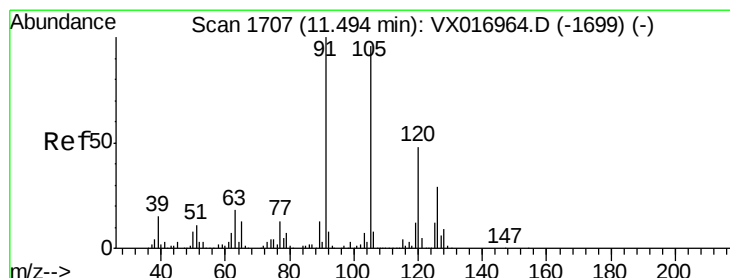
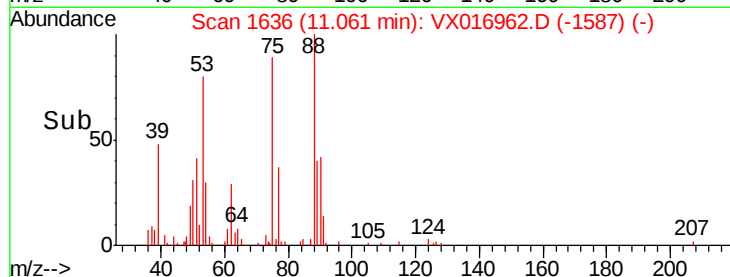
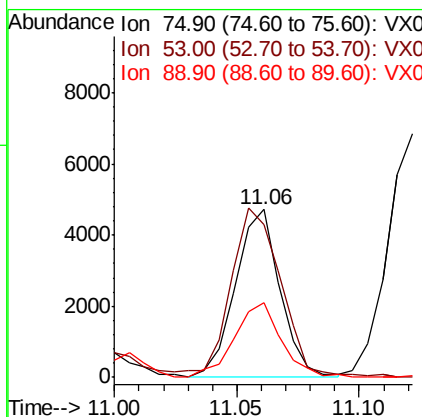
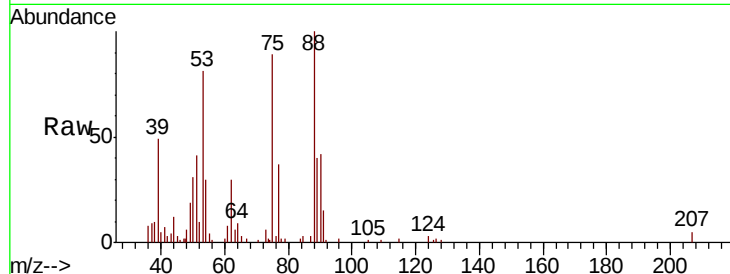
#81
trans-1,4-Dichloro-2-butene
Concen: 4.104 ug/l
RT: 11.06 min Scan# 1636
Delta R.T. -0.00 min
Lab File: VX016962.D
Acq: 25 Jun 2020 19:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	113.9	81.9	122.9
89	46.5	35.5	53.3

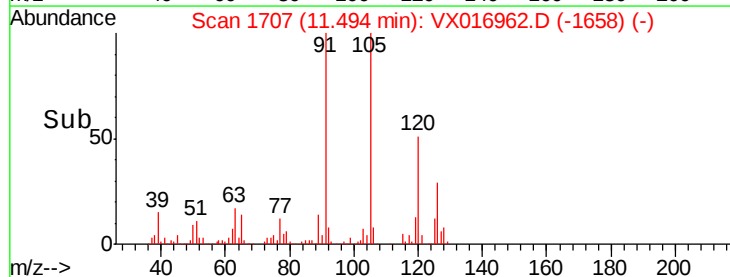
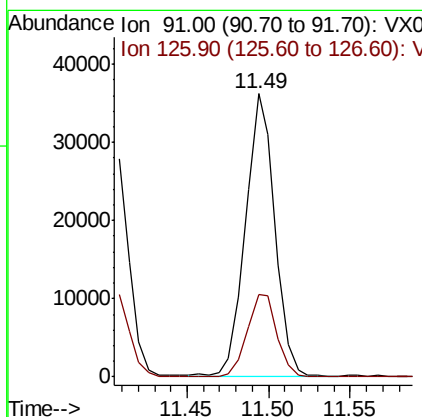
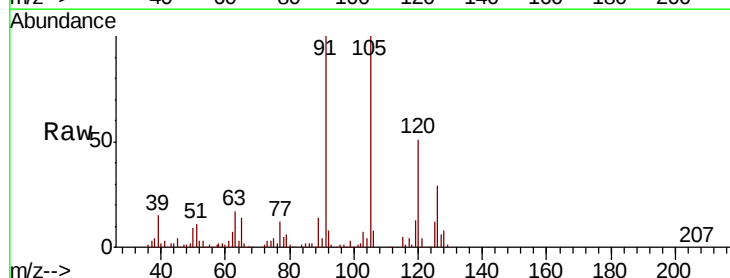
Manual Integrations
APPROVED

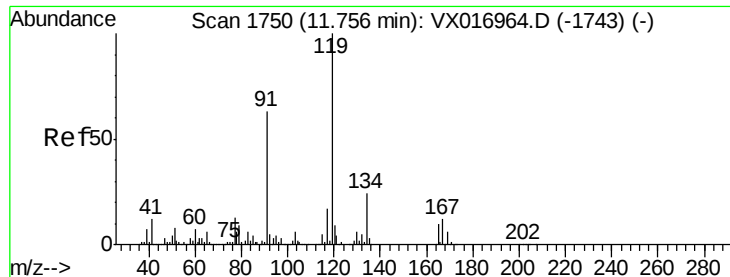
MMDadoda
6/29/2020 12:32:17 PM



#82
4-Chlorotoluene
Concen: 4.679 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VX016962.D
Acq: 25 Jun 2020 19:15

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.9	14.6	44.0





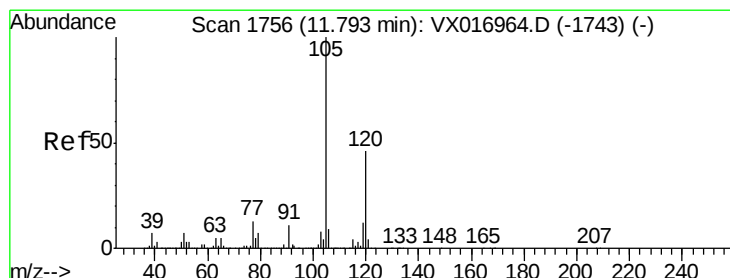
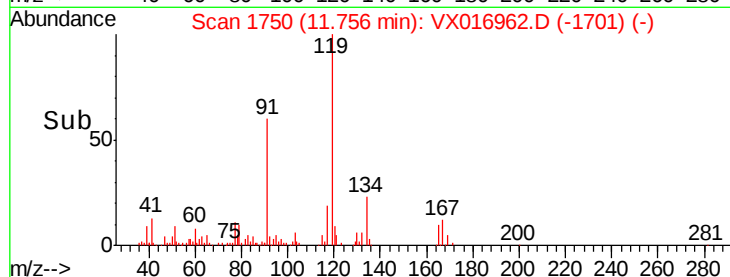
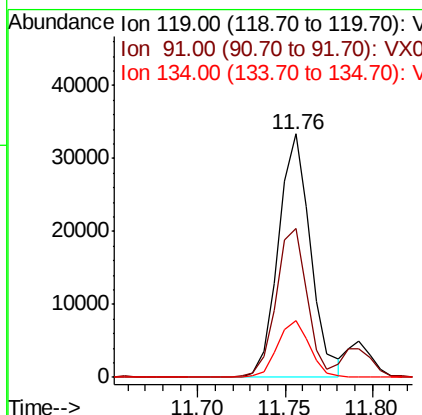
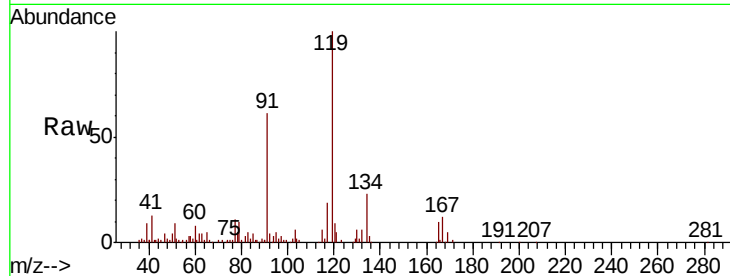
#83
 tert-Butylbenzene
 Concen: 5.051 ug/l
 RT: 11.76 min Scan# 1750
 Delta R.T. -0.00 min
 Lab File: VX016962.D
 Acq: 25 Jun 2020 19:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	59.0	30.0	90.0
134	23.4	11.8	35.3

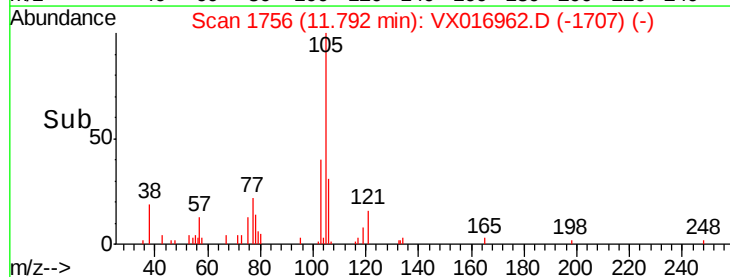
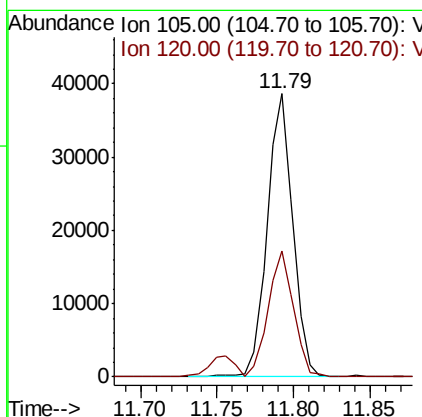
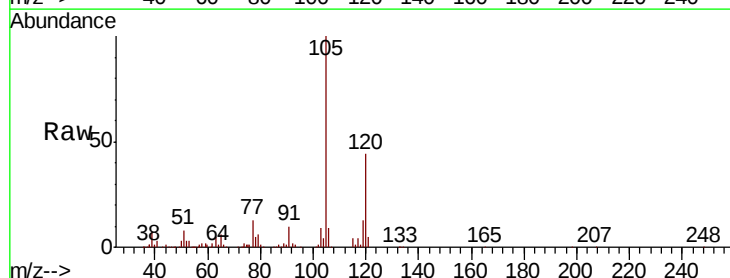
Manual Integrations
 APPROVED

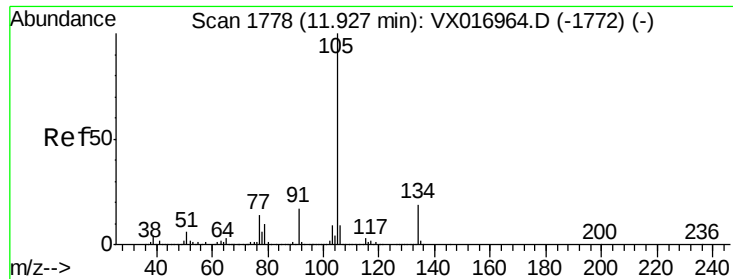
MMDadoda
 6/29/2020 12:32:17 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 4.498 ug/l
 RT: 11.79 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VX016962.D
 Acq: 25 Jun 2020 19:15

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.2	22.4	67.3





#85

sec-Butylbenzene

Concen: 4.484 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VX016962.D

Acq: 25 Jun 2020 19:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 50757

Ion Ratio Lower Upper

105 100

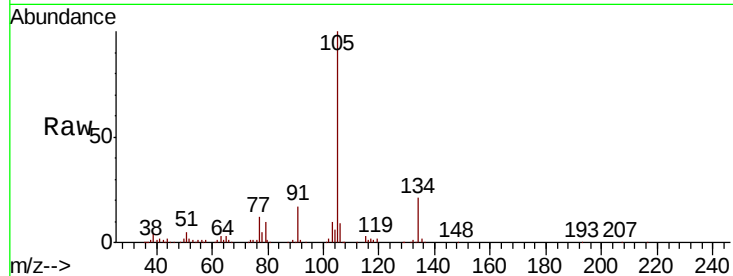
134 21.3 10.1 30.1

Manual Integrations

APPROVED

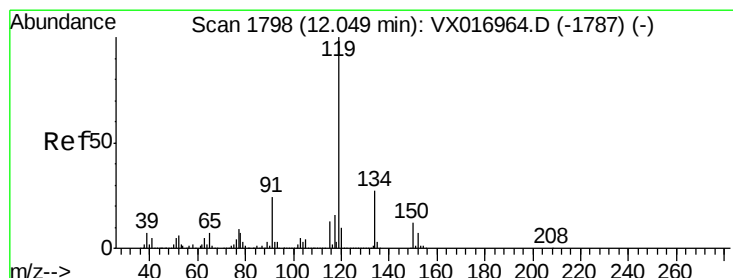
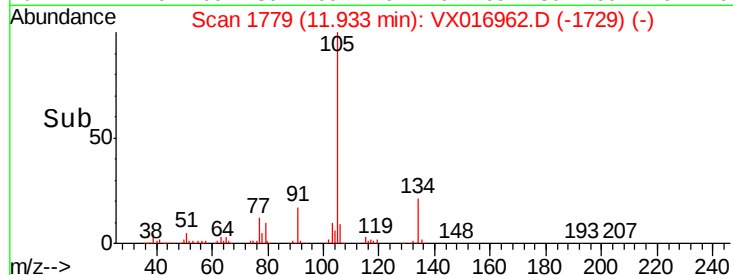
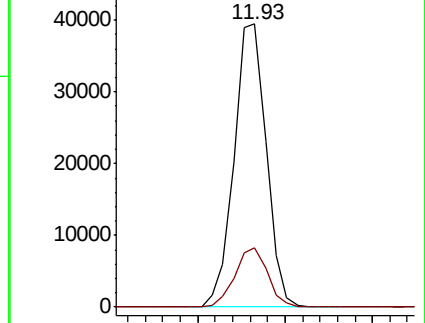
MMDadoda

6/29/2020 12:32:17 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 4.426 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VX016962.D

Acq: 25 Jun 2020 19:15

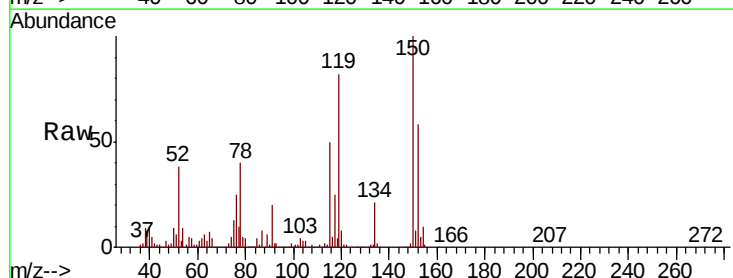
Tgt Ion:119 Resp: 45739

Ion Ratio Lower Upper

119 100

134 26.9 13.1 39.3

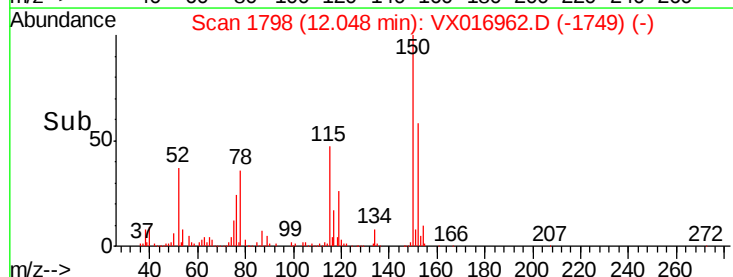
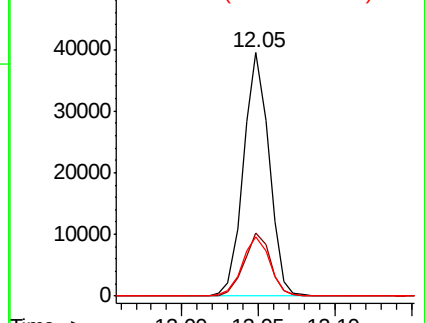
91 26.4 12.4 37.4

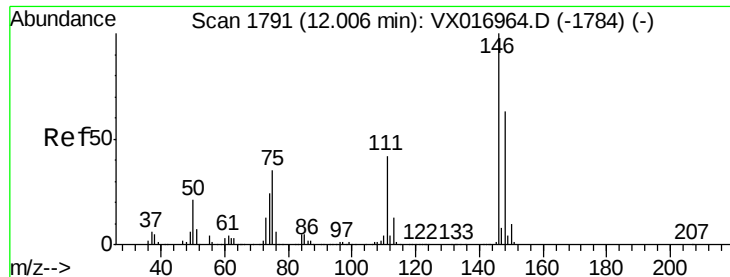


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 5.229 ug/l

RT: 12.01 min Scan# 1792

Delta R.T. 0.01 min

Lab File: VX016962.D

Acq: 25 Jun 2020 19:15

Instrument :

MSVOA_X

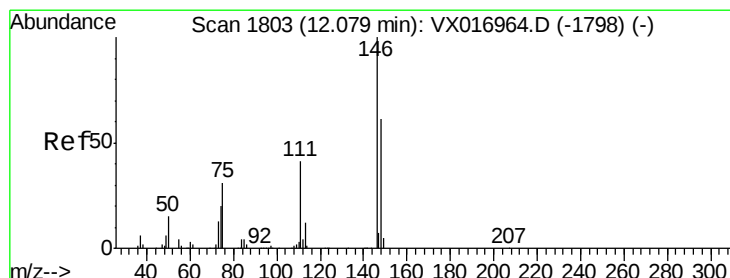
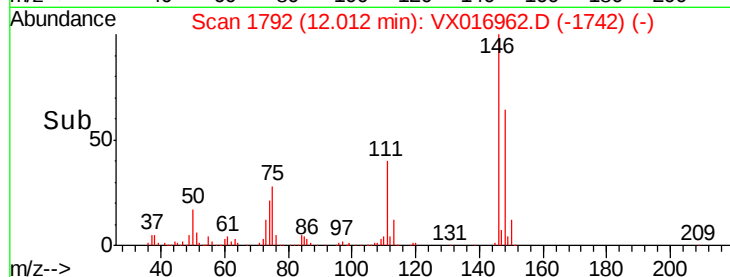
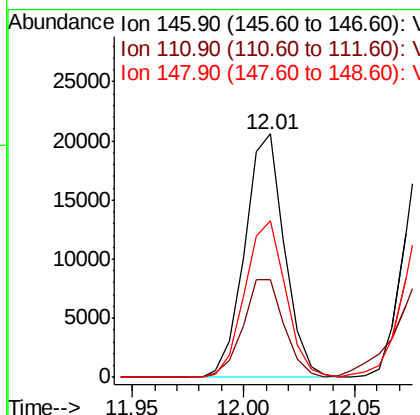
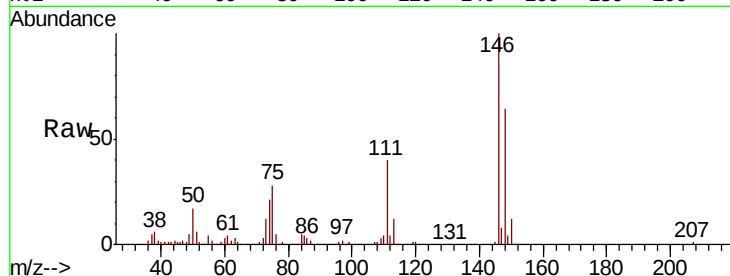
ClientSampleId :

VSTDIC005

Tot Ion:	146	Resp:	25702
Ion Ratio	Lower	Upper	
146	100		
111	41.6	20.3	60.9
148	66.0	32.1	96.3

Manual Integrations
APPROVED

MMDadoda
6/29/2020 12:32:17 PM



#88

1,4-Dichlorobenzene

Concen: 5.266 ug/l

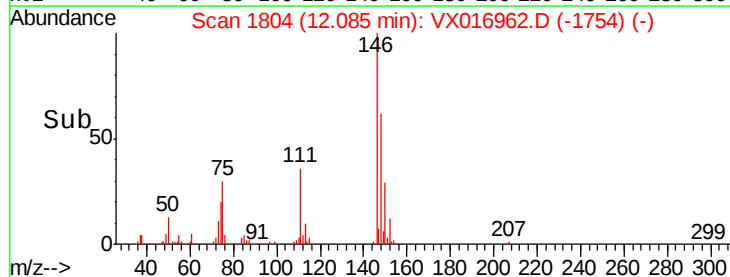
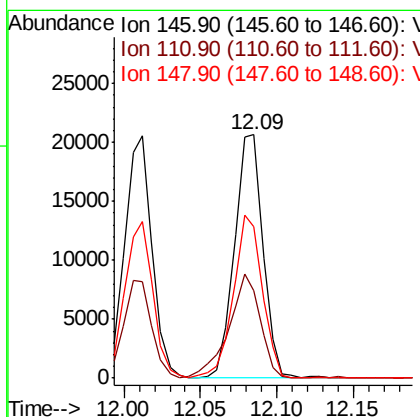
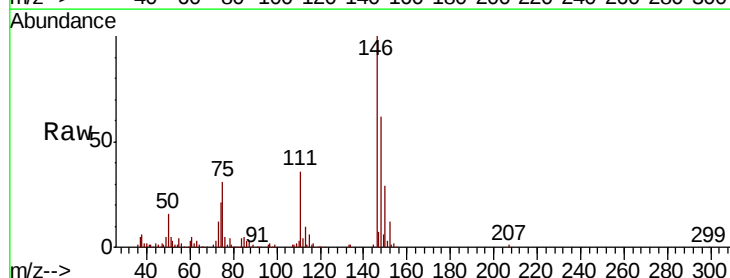
RT: 12.09 min Scan# 1804

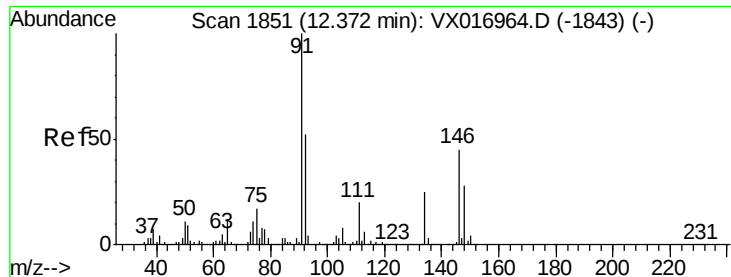
Delta R.T. 0.01 min

Lab File: VX016962.D

Acq: 25 Jun 2020 19:15

Tgt Ion:	146	Resp:	26611
Ion Ratio	Lower	Upper	
146	100		
111	47.2	19.9	59.7
148	68.1	31.3	93.9





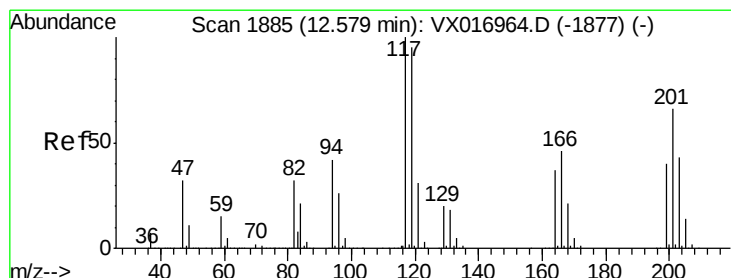
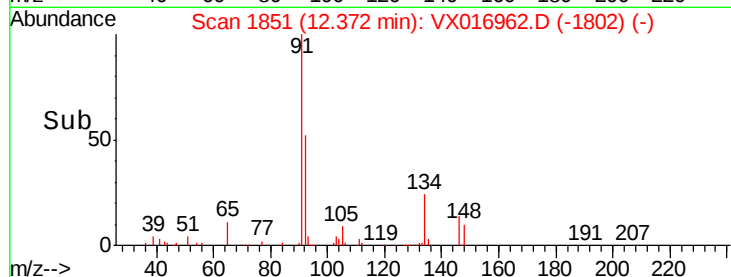
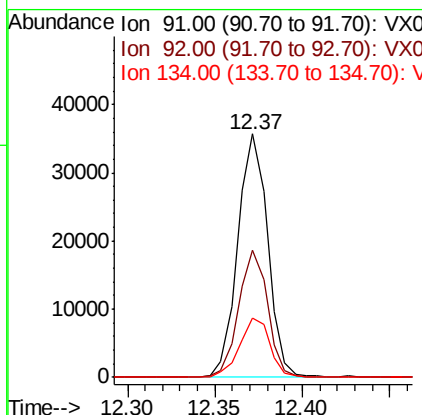
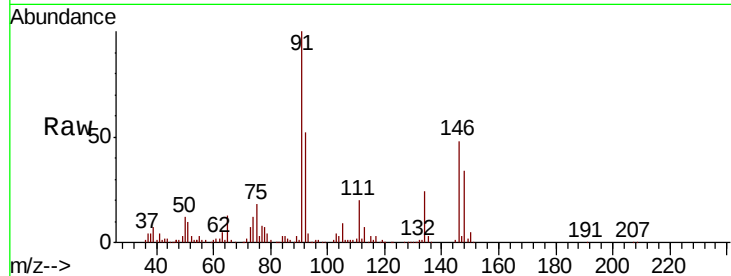
#89
n-Butylbenzene
Concen: 4.390 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX016962.D
Acq: 25 Jun 2020 19:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.6	26.6	79.7
134	24.6	12.6	37.8

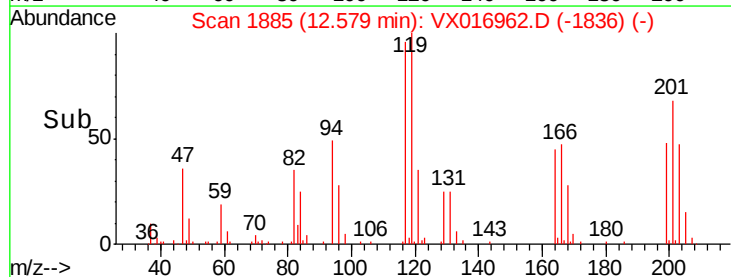
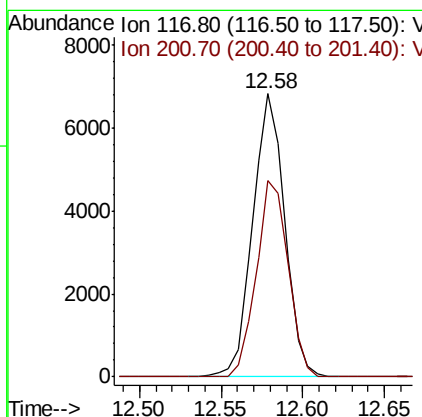
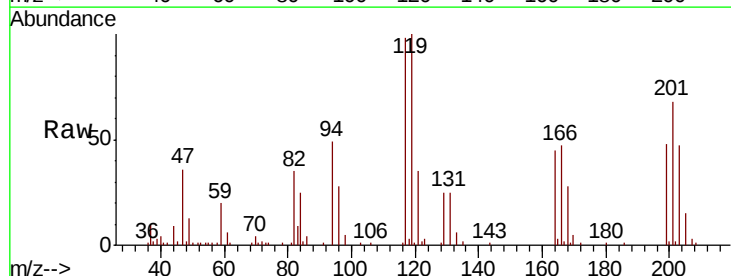
Manual Integrations
APPROVED

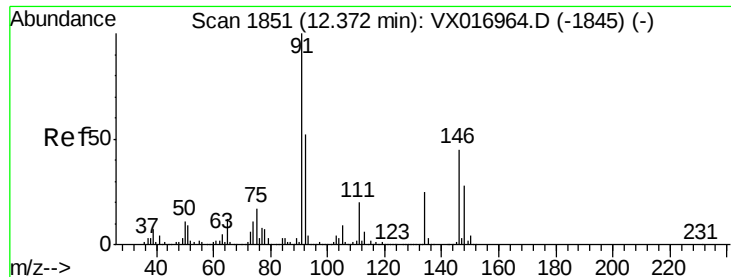
MMDadoda
6/29/2020 12:32:17 PM



#90
Hexachloroethane
Concen: 5.556 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX016962.D
Acq: 25 Jun 2020 19:15

Tgt Ion	Ratio	Lower	Upper
117	100		
201	68.6	34.0	102.0





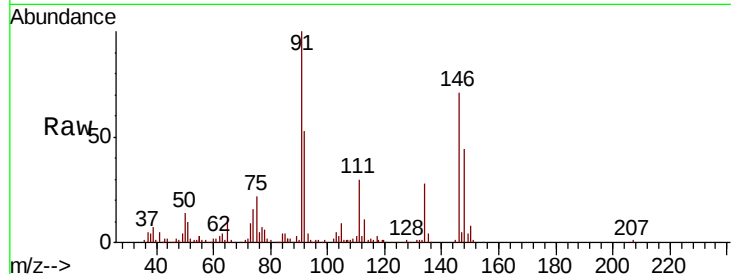
#91
1,2-Dichlorobenzene
Concen: 5.135 ug/l
RT: 12.38 min Scan# 1852
Delta R.T. 0.01 min
Lab File: VX016962.D
Acq: 25 Jun 2020 19:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.6	64.6
148	66.7	31.9	95.7

Manual Integrations
APPROVED

MMDadoda
6/29/2020 12:32:17 PM

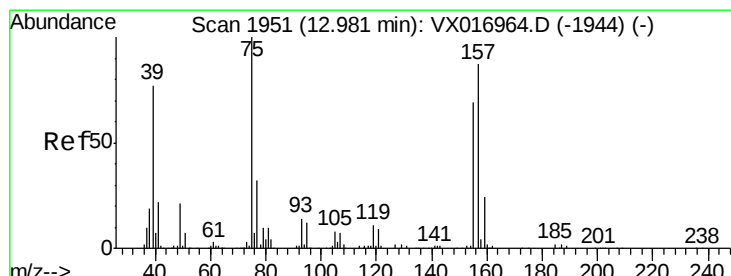
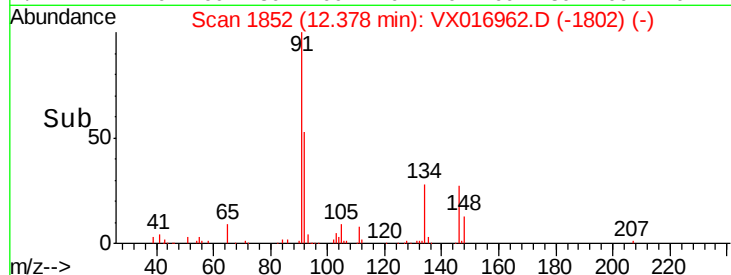
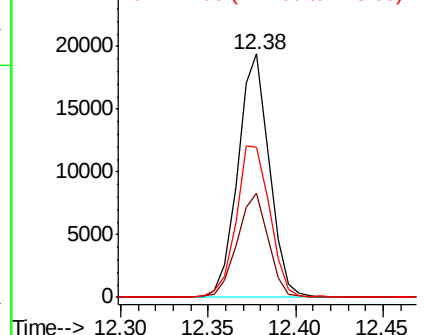


Abundance

Ion 145.90 (145.60 to 146.60): V

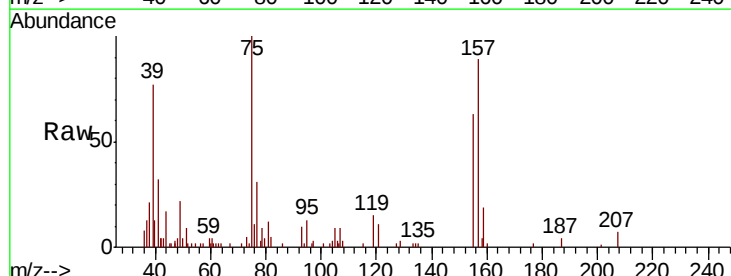
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
1,2-Dibromo-3-Chloropropane
Concen: 5.032 ug/l
RT: 12.98 min Scan# 1951
Delta R.T. -0.00 min
Lab File: VX016962.D
Acq: 25 Jun 2020 19:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	70.1	39.0	117.0
157	93.8	50.0	150.1

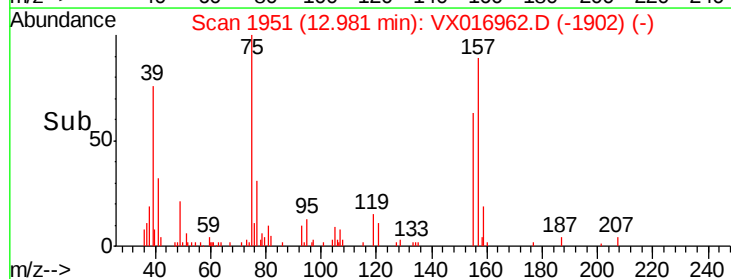
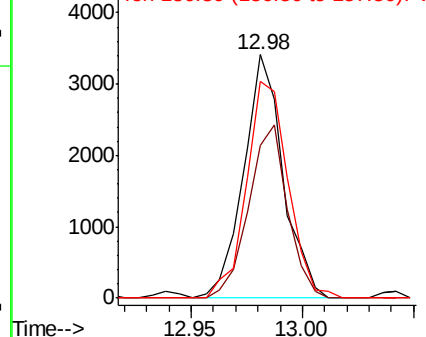


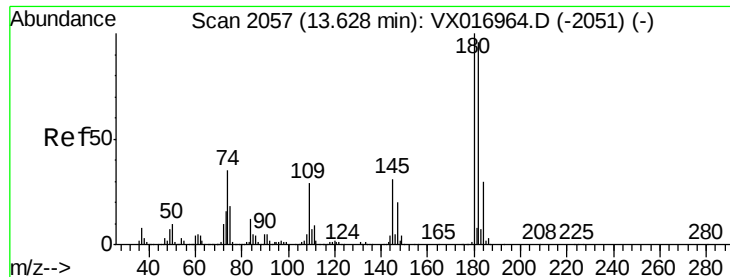
Abundance

Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





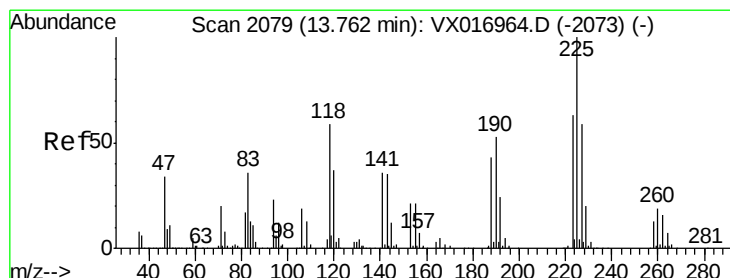
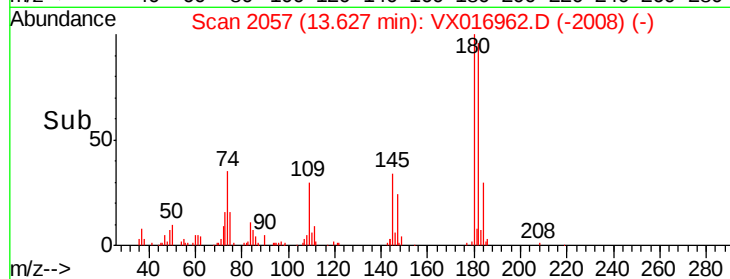
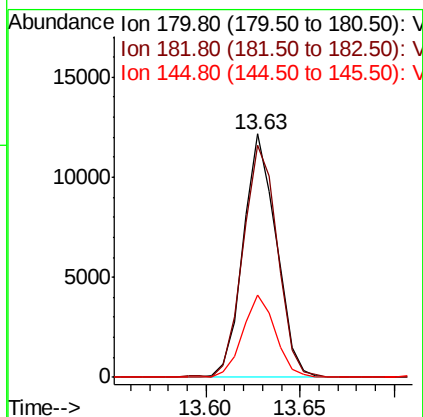
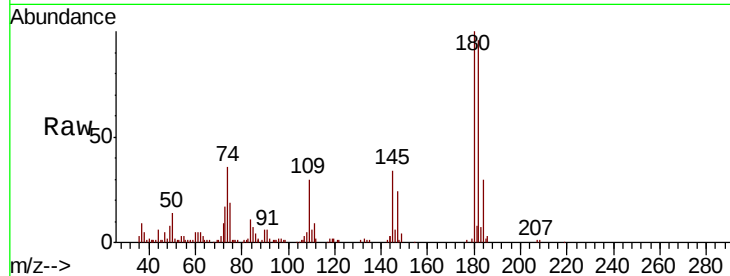
#93
1,2,4-Trichlorobenzene
Concen: 4.849 ug/l
RT: 13.63 min Scan# 2057
Delta R.T. -0.00 min
Lab File: VX016962.D
Acq: 25 Jun 2020 19:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.1	46.4	139.1
145	33.0	15.5	46.5

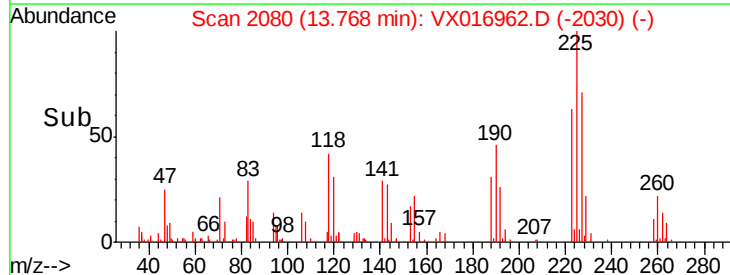
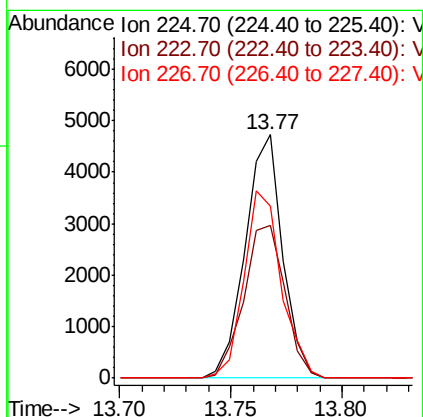
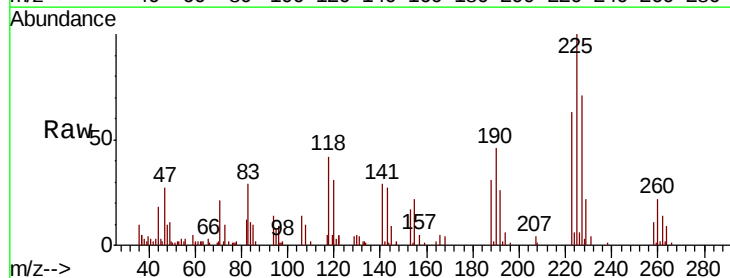
Manual Integrations
APPROVED

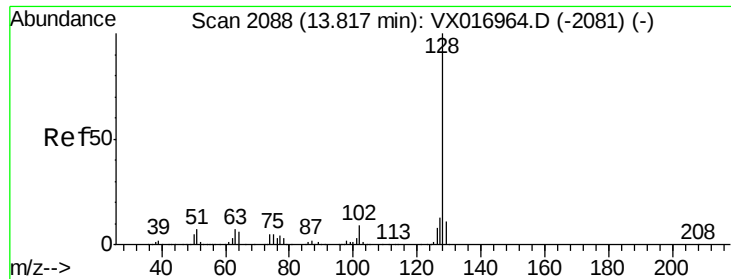
MMDadoda
6/29/2020 12:32:17 PM



#94
Hexachlorobutadiene
Concen: 5.126 ug/l
RT: 13.77 min Scan# 2080
Delta R.T. 0.01 min
Lab File: VX016962.D
Acq: 25 Jun 2020 19:15

Tgt Ion	Ratio	Lower	Upper
225	100		
223	68.9	31.1	93.2
227	76.9	30.3	90.9





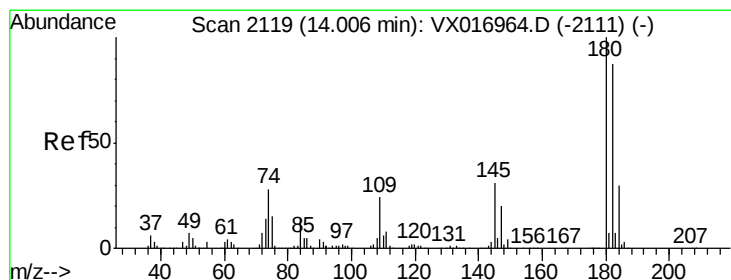
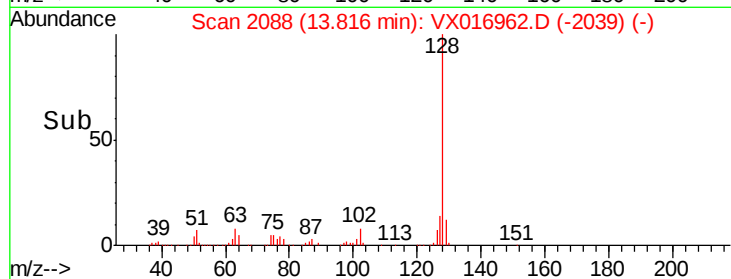
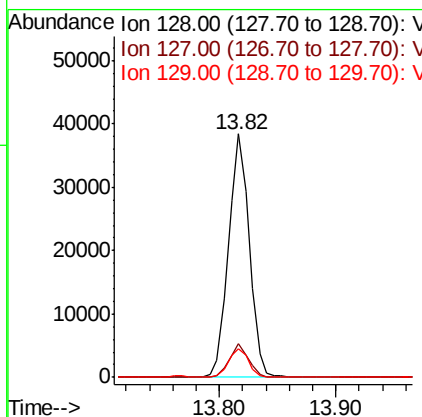
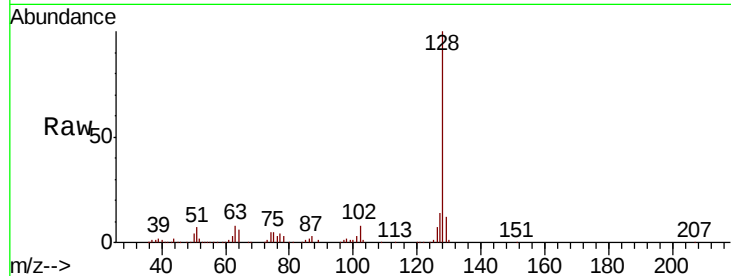
#95
Naphthalene
Concen: 4.384 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. -0.00 min
Lab File: VX016962.D
Acq: 25 Jun 2020 19:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	15.8
129	11.1	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
6/29/2020 12:32:17 PM



#96
1,2,3-Trichlorobenzene
Concen: 5.001 ug/l
RT: 14.00 min Scan# 2118
Delta R.T. -0.01 min
Lab File: VX016962.D
Acq: 25 Jun 2020 19:15

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.6	47.8	143.3
145	35.6	16.9	50.6

