

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050420\
 Data File : VX016038.D
 Acq On : 04 May 2020 16:22
 Operator : JC/SP
 Sample : VX0504WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0504WBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/5/2020 11:35:32 AM

Quant Time: May 05 07:51:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 05 07:11:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	307763	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	486979	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	450665	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	225268	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	190401	47.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.02%	
35) Dibromofluoromethane	5.46	113	141870	45.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.96%	
50) Toluene-d8	8.70	98	553939	46.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.20%	
62) 4-Bromofluorobenzene	11.12	95	208943	46.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	59492	18.263	ug/l	100
3) Chloromethane	1.32	50	67199	17.763	ug/l	97
4) Vinyl Chloride	1.39	62	71281	17.660	ug/l	98
5) Bromomethane	1.63	94	50468	24.802	ug/l	98
6) Chloroethane	1.71	64	47031	19.151	ug/l	100
7) Trichlorofluoromethane	1.92	101	98821	18.649	ug/l	97
8) Diethyl Ether	2.17	74	43203	19.350	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.36	101	57303	18.744	ug/l	99
10) Methyl Iodide	2.49	142	72316	17.610	ug/l	100
11) Tert butyl alcohol	3.01	59	97989	95.683	ug/l	99
12) 1,1-Dichloroethene	2.36	96	55831	17.451	ug/l	94
13) Acrolein	2.27	56	56095	87.532	ug/l	100
14) Allyl chloride	2.70	41	105130	17.922	ug/l	98
15) Acrylonitrile	3.11	53	193657	91.154	ug/l	100
16) Acetone	2.42	43	169846	93.993	ug/l	99
17) Carbon Disulfide	2.55	76	174413	18.022	ug/l	100
18) Methyl Acetate	2.75	43	81965	18.448	ug/l	100
19) Methyl tert-butyl Ether	3.17	73	210185	19.058	ug/l	100
20) Methylene Chloride	2.83	84	65662	17.627	ug/l	99
21) trans-1,2-Dichloroethene	3.14	96	62094	17.417	ug/l	99
22) Diisopropyl ether	3.82	45	204659	18.494	ug/l	94
23) Vinyl Acetate	3.78	43	926931	95.206	ug/l	100
24) 1,1-Dichloroethane	3.67	63	113831	18.388	ug/l	99
25) 2-Butanone	4.64	43	274259	94.188	ug/l	98
26) 2,2-Dichloropropane	4.55	77	99143	17.537	ug/l	100
27) cis-1,2-Dichloroethene	4.56	96	70553	18.102	ug/l	99
28) Bromochloromethane	4.98	49	53915	19.100	ug/l	99
29) Tetrahydrofuran	5.09	42	179640	93.108	ug/l	100
30) Chloroform	5.18	83	112982	18.330	ug/l	99
31) Cyclohexane	5.55	56	102301	18.183	ug/l	99
32) 1,1,1-Trichloroethane	5.46	97	102207	18.242	ug/l	99
36) 1,1-Dichloropropene	5.77	75	86872	18.122	ug/l	98
37) Ethyl Acetate	4.79	43	106105	19.098	ug/l	100
38) Carbon Tetrachloride	5.75	117	89050	18.276	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX050420\
 Data File : VX016038.D
 Acq On : 04 May 2020 16:22
 Operator : JC/SP
 Sample : VX0504WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0504WBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/5/2020 11:35:32 AM

Quant Time: May 05 07:51:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 05 07:11:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	104708	18.138	ug/l	99
40) Benzene	6.11	78	255526	18.218	ug/l	98
41) Methacrylonitrile	5.00	41	56070	18.687	ug/l	99
42) 1,2-Dichloroethane	6.17	62	96277	19.055	ug/l	99
43) Isopropyl Acetate	6.41	43	169107	19.076	ug/l	99
44) Trichloroethene	7.19	130	91523	18.367	ug/l	98
45) 1,2-Dichloropropane	7.49	63	66051	18.611	ug/l	98
46) Dibromomethane	7.64	93	44886	18.611	ug/l	99
47) Bromodichloromethane	7.88	83	90602	18.445	ug/l	100
48) Methyl methacrylate	7.74	41	79316	18.882	ug/l	99
49) 1,4-Dioxane	7.71	88	38035	377.547	ug/l	99
51) 4-Methyl-2-Pentanone	8.62	43	522261	96.275	ug/l	99
52) Toluene	8.76	92	161250	18.444	ug/l	99
53) t-1,3-Dichloropropene	9.02	75	108658	18.553	ug/l	97
54) cis-1,3-Dichloropropene	8.42	75	112376	18.370	ug/l	98
55) 1,1,2-Trichloroethane	9.20	97	64654	18.797	ug/l	99
56) Ethyl methacrylate	9.16	69	106514	18.971	ug/l	99
57) 1,3-Dichloropropane	9.35	76	112028	18.666	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.29	63	285511	95.518	ug/l	100
59) 2-Hexanone	9.47	43	403822	94.791	ug/l	99
60) Dibromochloromethane	9.57	129	70653	18.650	ug/l	100
61) 1,2-Dibromoethane	9.65	107	70387	18.892	ug/l	98
64) Tetrachloroethene	9.32	164	102382	18.506	ug/l	98
65) Chlorobenzene	10.12	112	171653	18.190	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	64380	18.459	ug/l	99
67) Ethyl Benzene	10.24	91	310844	18.462	ug/l	99
68) m/p-Xylenes	10.34	106	234102	37.111	ug/l	100
69) o-Xylene	10.68	106	112590	18.568	ug/l	99
70) Styrene	10.70	104	188154	18.290	ug/l	99
71) Bromoform	10.84	173	51216	18.024	ug/l #	98
73) Isopropylbenzene	11.00	105	301318	18.390	ug/l	99
74) N-amyl acetate	10.88	43	144593	18.920	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	53121	18.272	ug/l	98
76) 1,2,3-Trichloropropane	11.28	75	95420m	18.666	ug/l	
77) Bromobenzene	11.24	156	75147	17.769	ug/l	98
78) n-propylbenzene	11.35	91	342998	17.995	ug/l	100
79) 2-Chlorotoluene	11.40	91	202604	18.007	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	254927	18.428	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.06	75	39605	18.463	ug/l	98
82) 4-Chlorotoluene	11.49	91	241477	18.175	ug/l	99
83) tert-Butylbenzene	11.76	119	214770	18.014	ug/l	100
84) 1,2,4-Trimethylbenzene	11.79	105	252150	18.029	ug/l	100
85) sec-Butylbenzene	11.93	105	291361	18.100	ug/l	100
86) p-Isopropyltoluene	12.05	119	268850	17.989	ug/l	99
87) 1,3-Dichlorobenzene	12.01	146	135616	17.859	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	137650	17.860	ug/l	99
89) n-Butylbenzene	12.37	91	241135	17.661	ug/l	99
90) Hexachloroethane	12.58	117	45500	17.727	ug/l	100
91) 1,2-Dichlorobenzene	12.38	146	130670	17.871	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.98	75	23924	17.757	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050420\
Data File : VX016038.D
Acq On : 04 May 2020 16:22
Operator : JC/SP
Sample : VX0504WBSD01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0504WBSD01

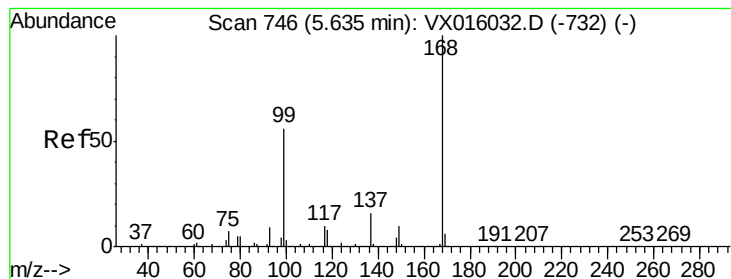
Manual Integrations
APPROVED

MMDadoda
5/5/2020 11:35:32 AM

Quant Time: May 05 07:51:48 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
Quant Title : SW846 8260
QLast Update : Tue May 05 07:11:41 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	98493	18.194	ug/l	98
94) Hexachlorobutadiene	13.77	225	42880	18.726	ug/l	98
95) Naphthalene	13.82	128	319291	18.215	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	94030	17.773	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX016038.D

Acq: 04 May 2020 16:22

Instrument :

MSVOA_X

ClientSampleId :

VX0504WBSD01

Tot Ion:168 Resp: 307763

Ion Ratio Lower Upper

168 100

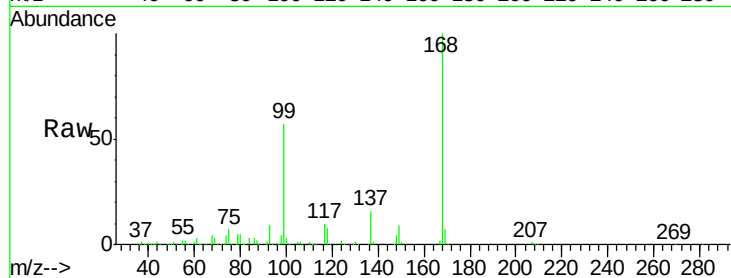
99 56.6 45.0 67.4

Manual Integrations

APPROVED

MMDadoda

5/5/2020 11:35:32 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

120000

100000

80000

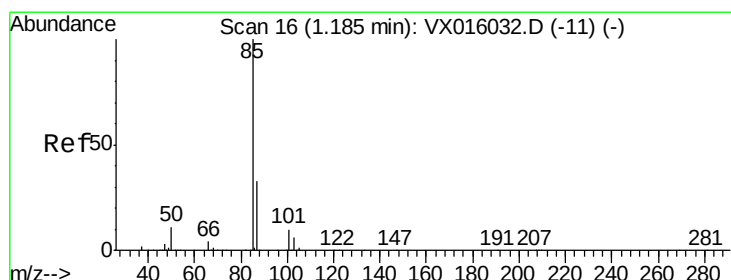
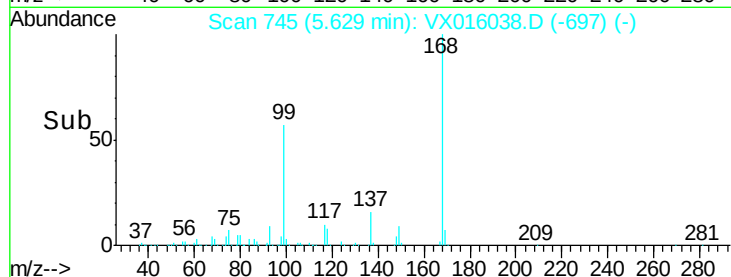
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.263 ug/l

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX016038.D

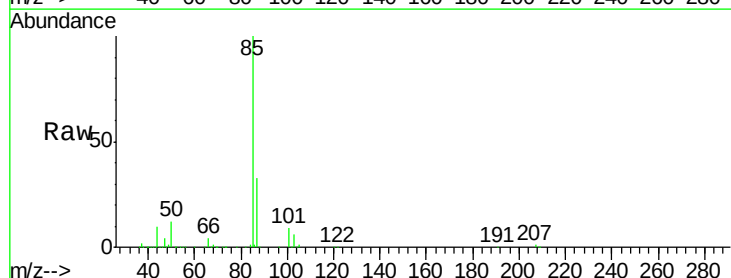
Acq: 04 May 2020 16:22

Tgt Ion: 85 Resp: 59492

Ion Ratio Lower Upper

85 100

87 32.5 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

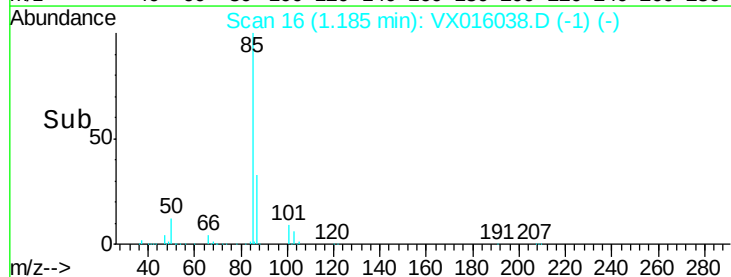
60000

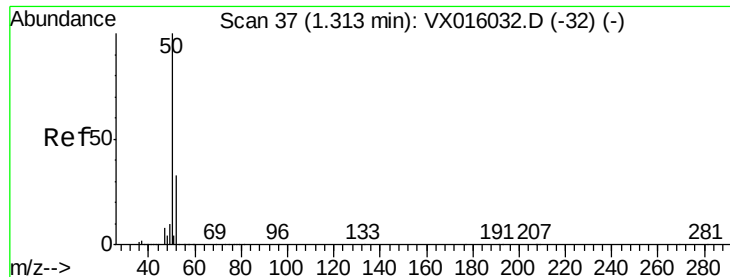
40000

20000

0

Time-->





#3

Chloromethane

Concen: 17.763 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX016038.D

Acq: 04 May 2020 16:22

Instrument :

MSVOA_X

ClientSampled :

VX0504WBSD01

Tot Ion: 50 Resp: 67199

Ion Ratio Lower Upper

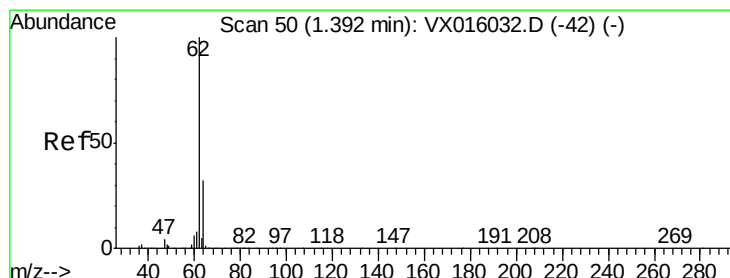
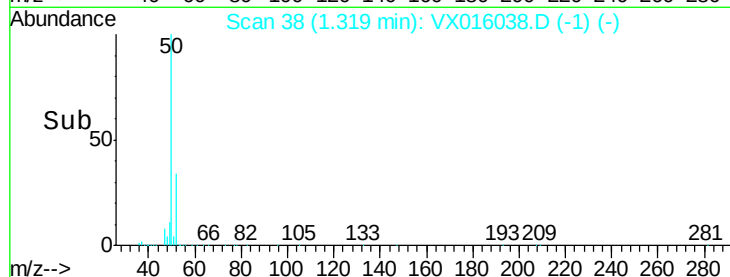
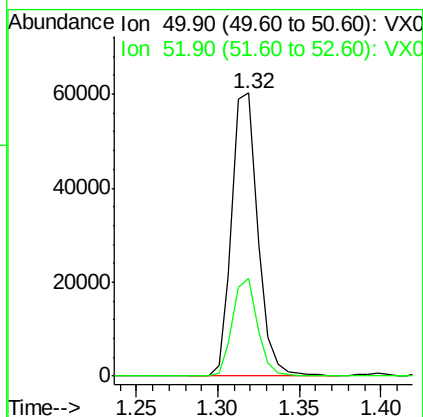
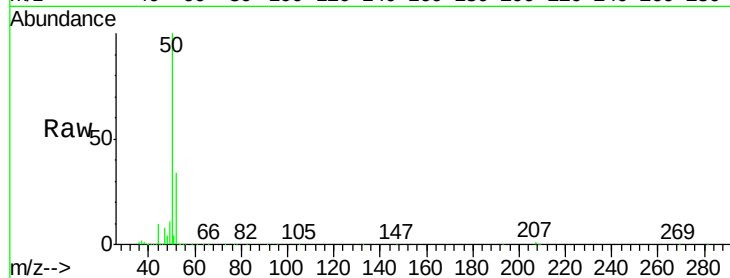
50 100

52 34.4 26.1 39.1

Manual Integrations
APPROVED

MMDadoda

5/5/2020 11:35:32 AM



#4

Vinyl Chloride

Concen: 17.660 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016038.D

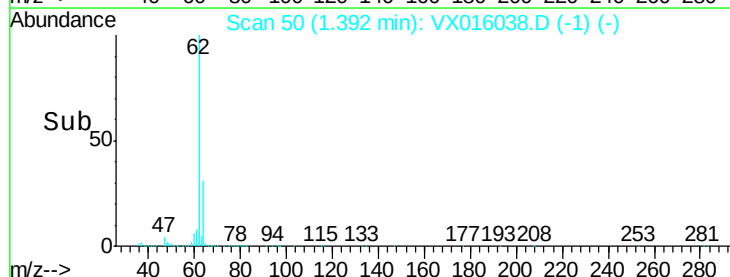
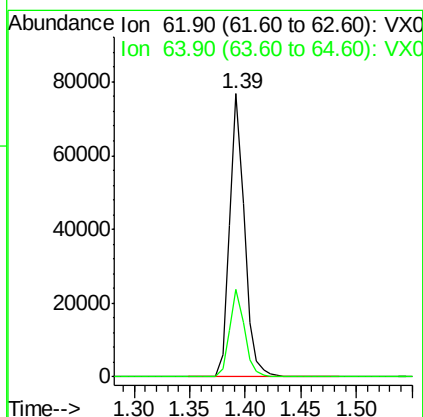
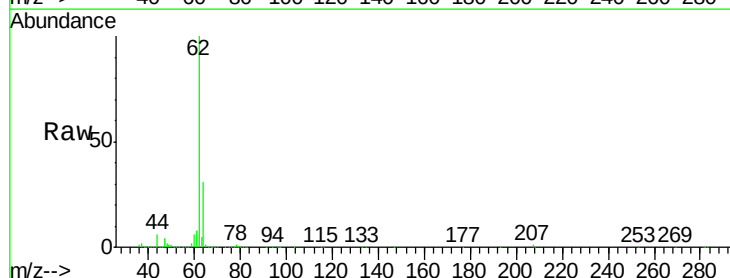
Acq: 04 May 2020 16:22

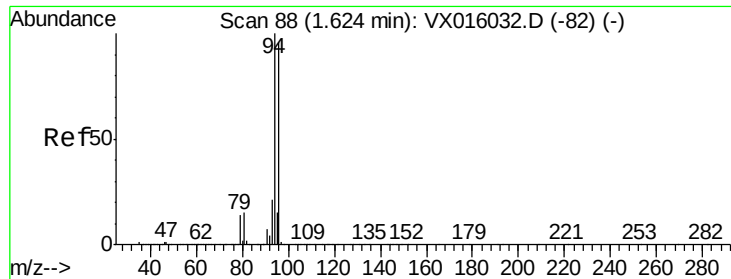
Tgt Ion: 62 Resp: 71281

Ion Ratio Lower Upper

62 100

64 30.9 25.7 38.5





#5

Bromomethane

Concen: 24.802 ug/l

RT: 1.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VX016038.D

Acq: 04 May 2020 16:22

Instrument :

MSVOA_X

ClientSampleId :

VX0504WBSD01

Tot Ion: 94 Resp: 50468

Ion Ratio Lower Upper

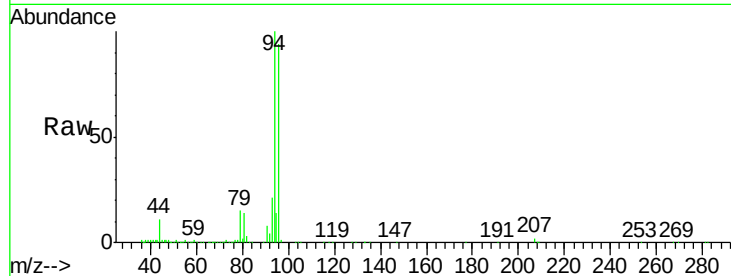
94 100

96 94.2 76.9 115.3

Manual Integrations
APPROVED

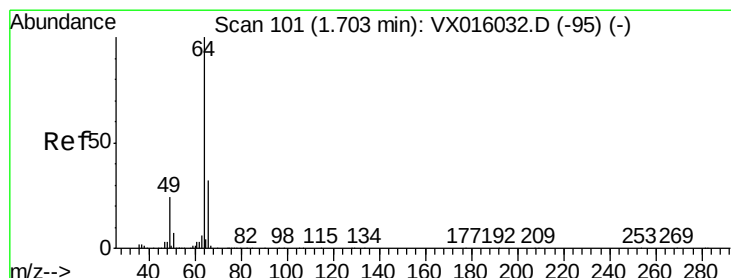
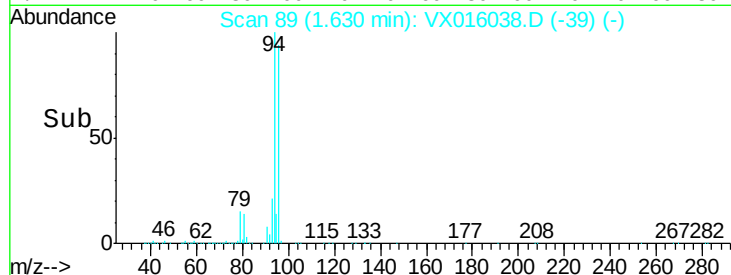
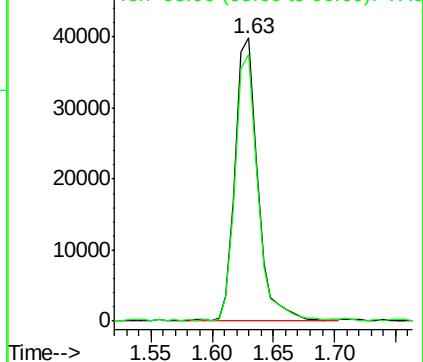
MMDadoda

5/5/2020 11:35:32 AM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 19.151 ug/l

RT: 1.71 min Scan# 102

Delta R.T. 0.01 min

Lab File: VX016038.D

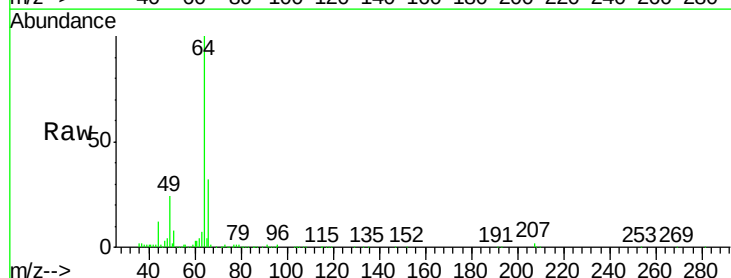
Acq: 04 May 2020 16:22

Tgt Ion: 64 Resp: 47031

Ion Ratio Lower Upper

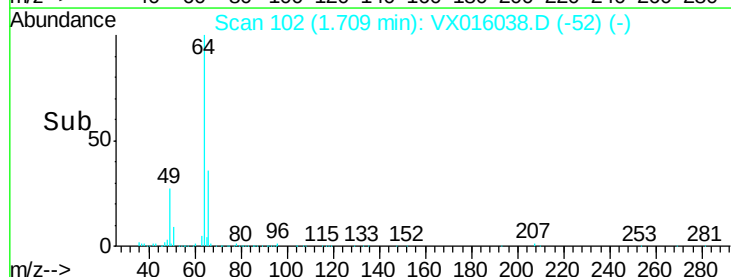
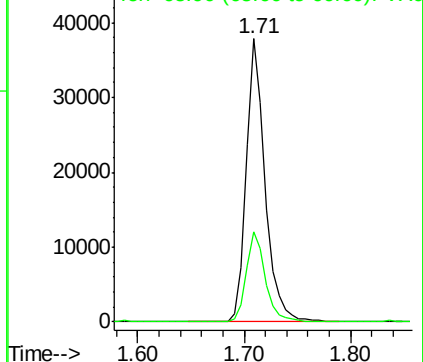
64 100

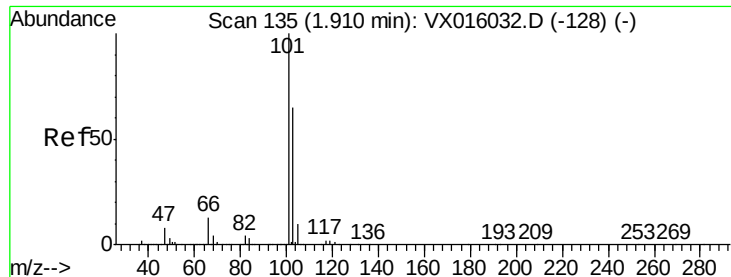
66 31.5 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

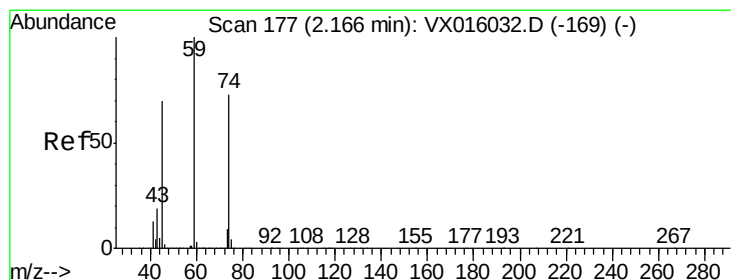
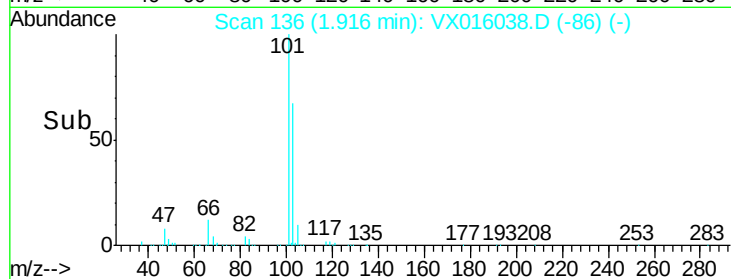
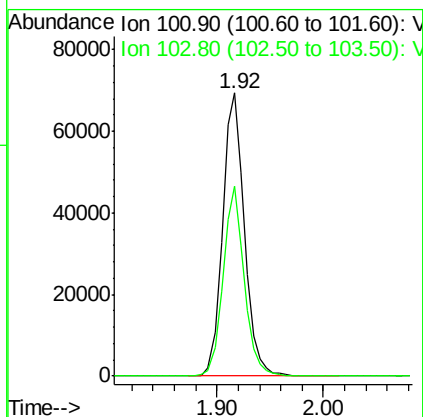
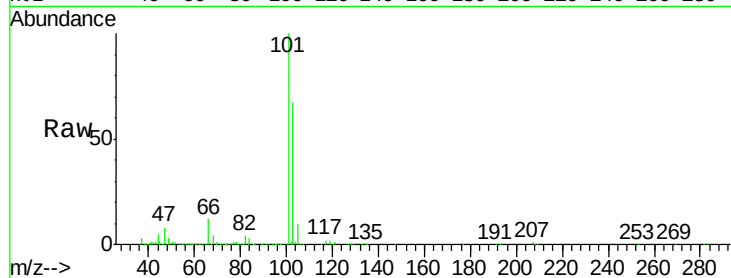
Trichlorofluoromethane
Concen: 18.649 ug/l
RT: 1.92 min Scan# 136
Delta R.T. 0.01 min
Lab File: VX016038.D
Acq: 04 May 2020 16:22

Instrument :
MSVOA_X
ClientSampleId :
VX0504WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.9	51.8	77.6

Manual Integrations
APPROVED

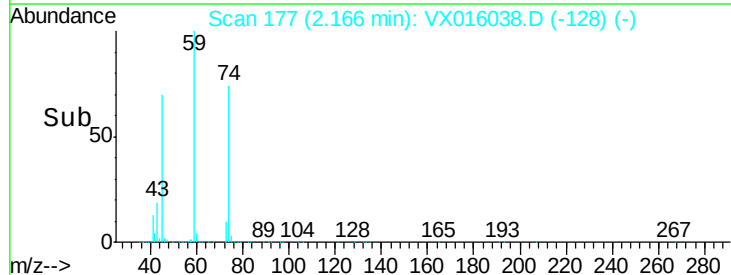
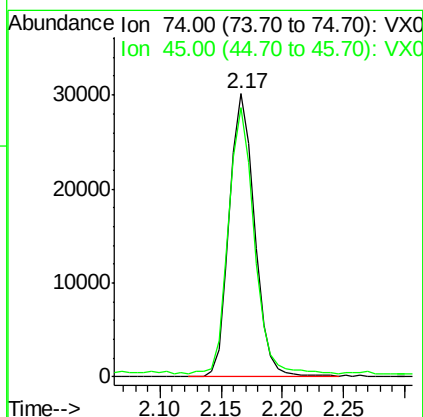
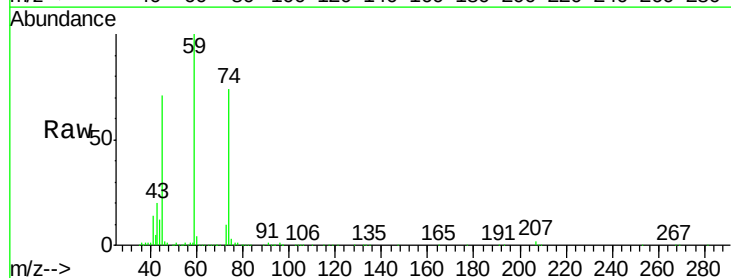
MMDadoda
5/5/2020 11:35:32 AM

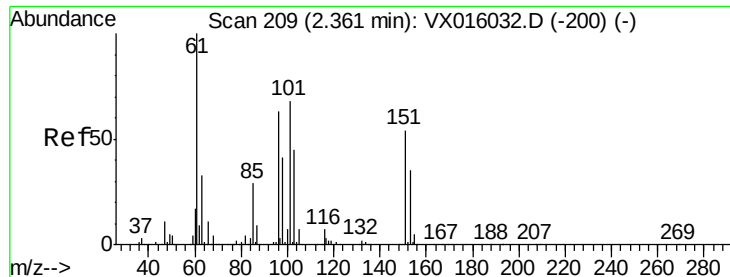


#8

Diethyl Ether
Concen: 19.350 ug/l
RT: 2.17 min Scan# 177
Delta R.T. -0.00 min
Lab File: VX016038.D
Acq: 04 May 2020 16:22

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.4	47.3	142.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.744 ug/l

RT: 2.36 min Scan# 209

Delta R.T. -0.00 min

Lab File: VX016038.D

Acq: 04 May 2020 16:22

Instrument :

MSVOA_X

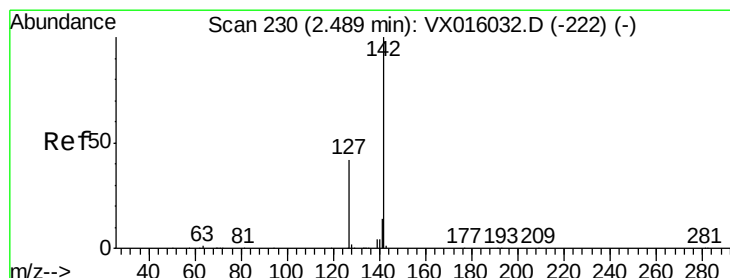
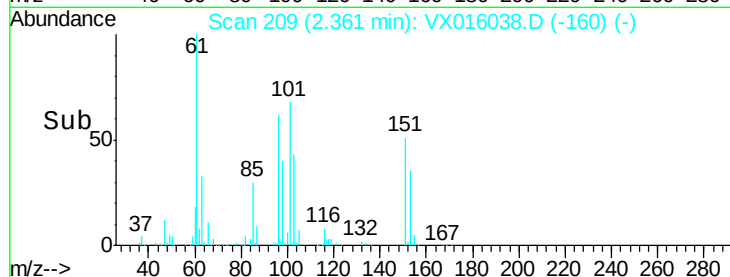
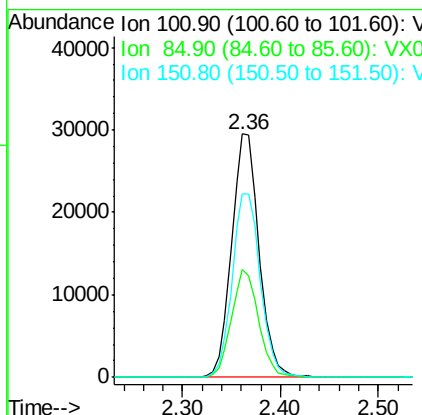
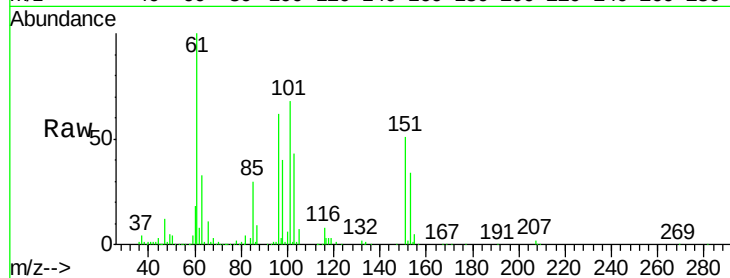
ClientSampleId :

VX0504WBSD01

Tot Ion:	101	Resp:	57303
Ion Ratio	Lower	Upper	
101	100		
85	44.1	34.2	51.4
151	77.6	62.1	93.1

Manual Integrations
APPROVED

MMDadoda
5/5/2020 11:35:32 AM



#10

Methyl Iodide

Concen: 17.610 ug/l

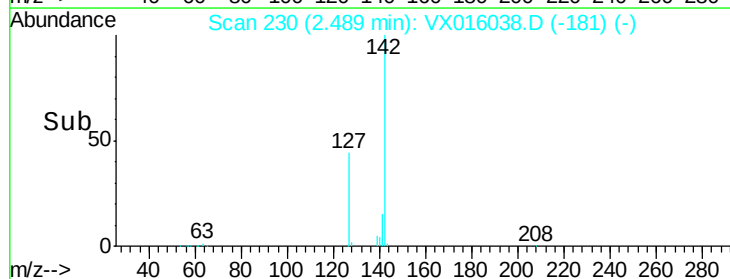
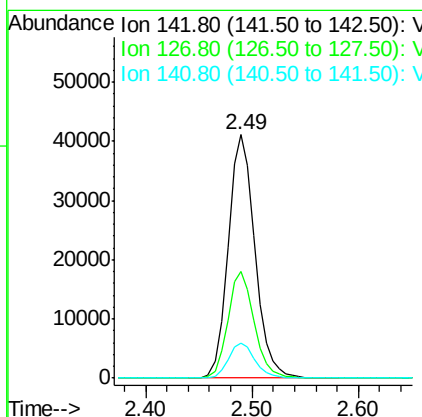
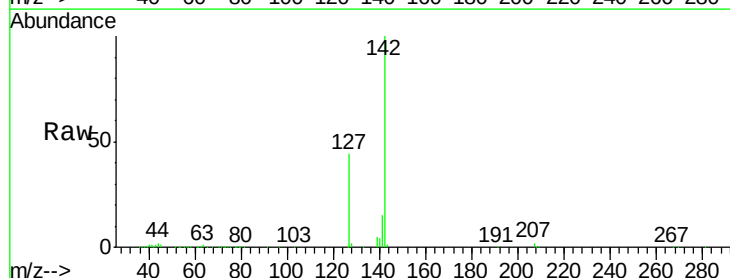
RT: 2.49 min Scan# 230

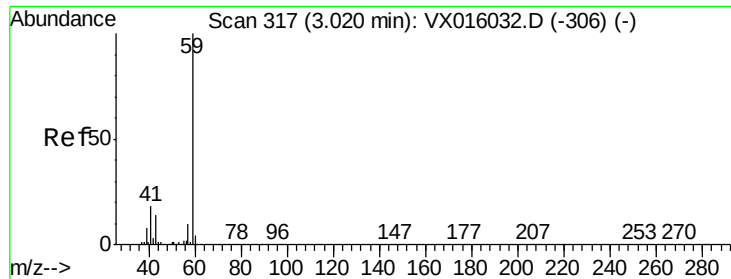
Delta R.T. -0.00 min

Lab File: VX016038.D

Acq: 04 May 2020 16:22

Tgt Ion:	142	Resp:	72316
Ion Ratio	Lower	Upper	
142	100		
127	43.2	34.6	52.0
141	14.2	11.3	16.9





#11

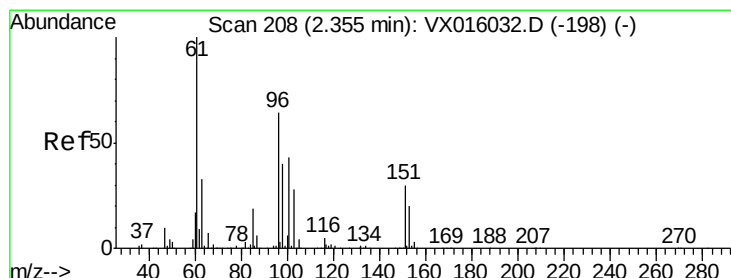
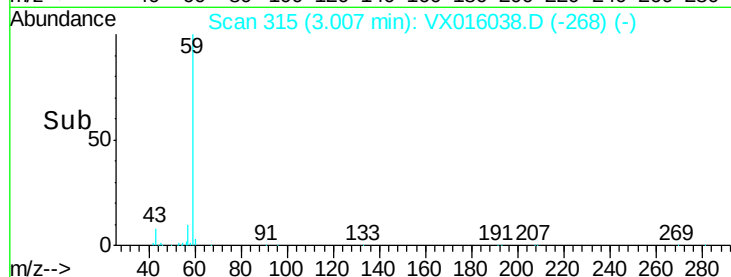
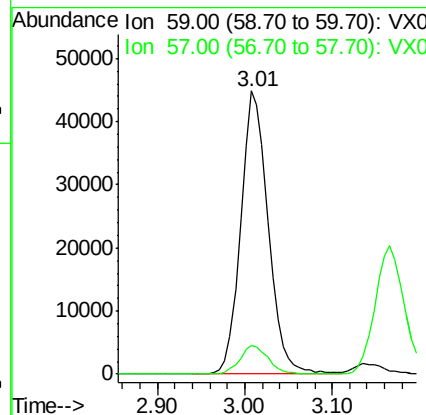
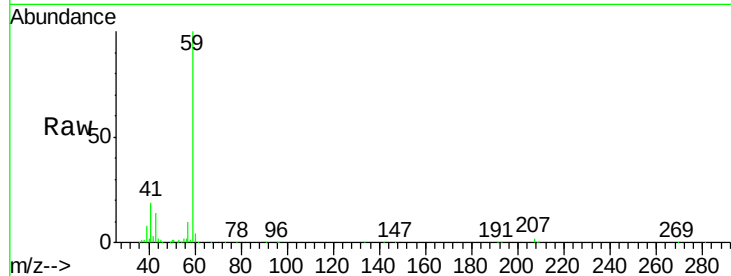
Tert butyl alcohol
Concen: 95.683 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX016038.D
Acq: 04 May 2020 16:22

Instrument :
MSVOA_X
ClientSampleId :
VX0504WBSD01

Tot Ion: 59 Resp: 97989
Ion Ratio Lower Upper
59 100
57 10.6 8.2 12.4

Manual Integrations
APPROVED

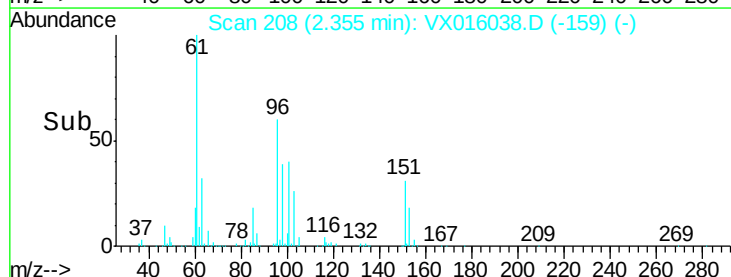
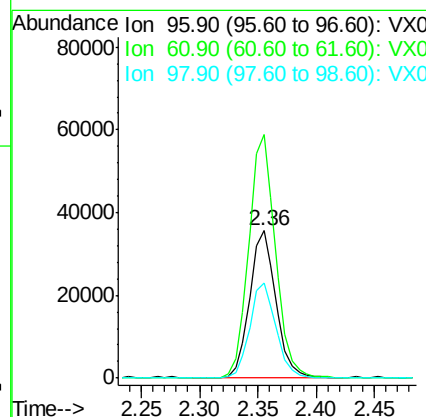
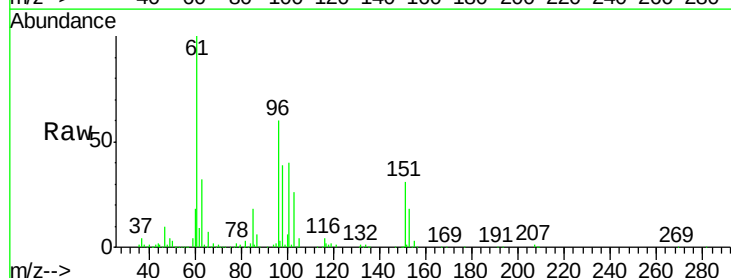
MMDadoda
5/5/2020 11:35:32 AM

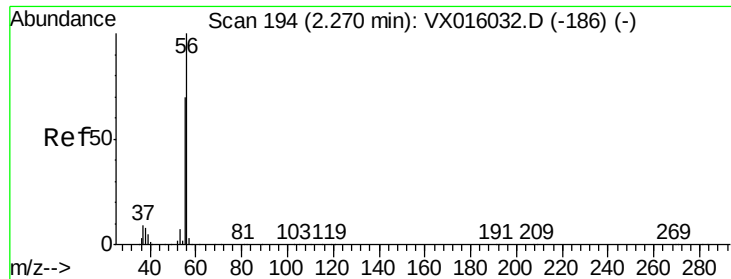


#12

1,1-Dichloroethene
Concen: 17.451 ug/l
RT: 2.36 min Scan# 208
Delta R.T. -0.00 min
Lab File: VX016038.D
Acq: 04 May 2020 16:22

Tgt Ion: 96 Resp: 55831
Ion Ratio Lower Upper
96 100
61 165.7 124.8 187.2
98 64.6 49.7 74.5





#13

Acrolein

Concen: 87.532 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX016038.D

Acq: 04 May 2020 16:22

Instrument :

MSVOA_X

ClientSampleId :

VX0504WBSD01

Tot Ion: 56 Resp: 56095

Ion Ratio Lower Upper

56 100

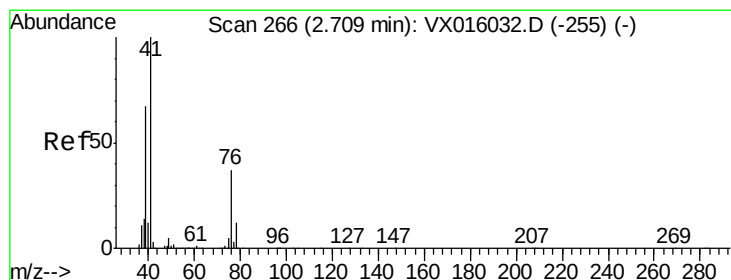
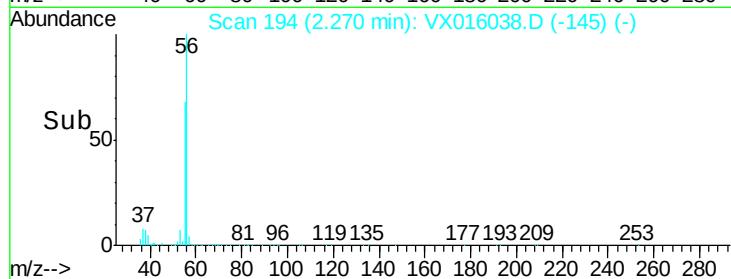
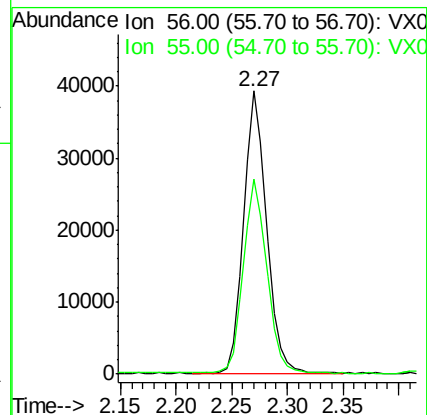
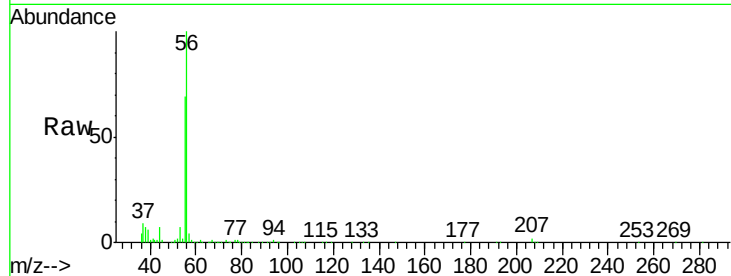
55 70.5 56.5 84.7

Manual Integrations

APPROVED

MMDadoda

5/5/2020 11:35:32 AM



#14

Allyl chloride

Concen: 17.922 ug/l

RT: 2.70 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX016038.D

Acq: 04 May 2020 16:22

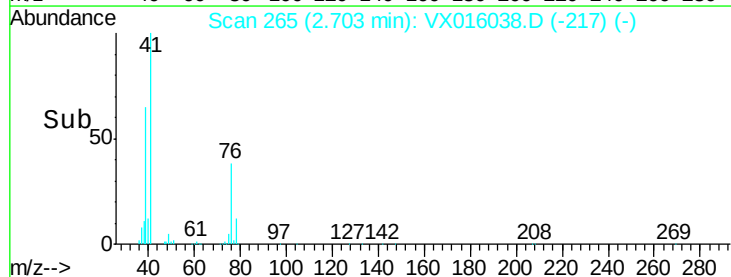
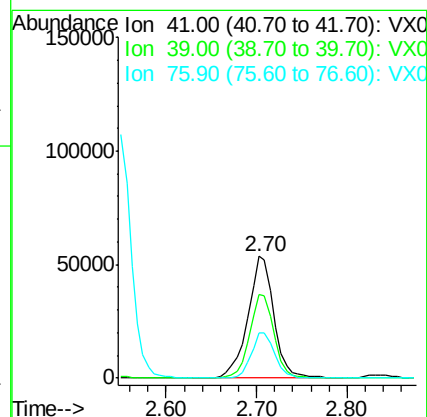
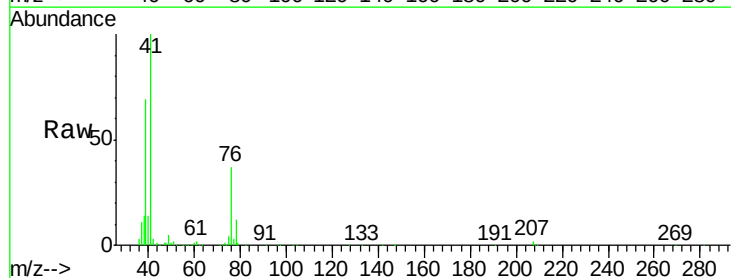
Tgt Ion: 41 Resp: 105130

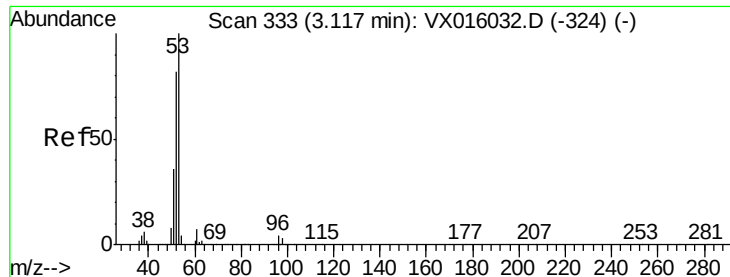
Ion Ratio Lower Upper

41 100

39 64.4 50.5 75.7

76 34.1 26.6 40.0





#15

Acrylonitrile

Concen: 91.154 ug/l

RT: 3.11 min Scan# 332

Delta R.T. -0.01 min

Lab File: VX016038.D

Acq: 04 May 2020 16:22

Instrument :

MSVOA_X

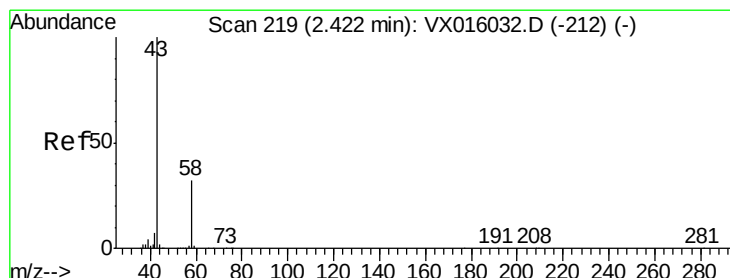
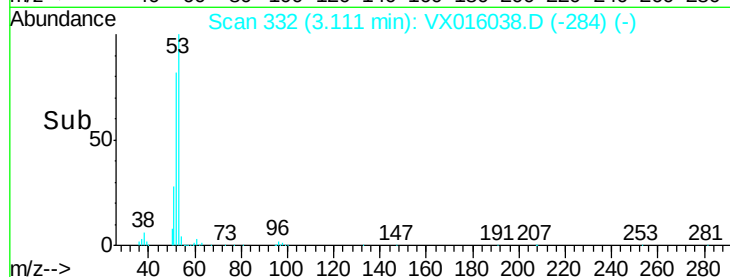
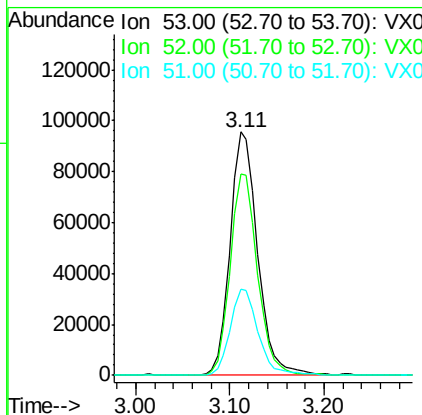
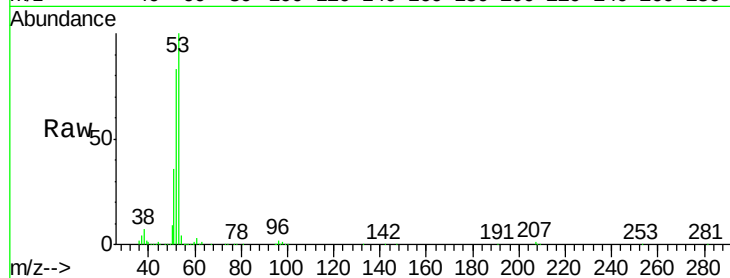
ClientSampleId :

VX0504WBSD01

Tot Ion:	53	Resp:	193657
Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.1	99.1
51	36.3	28.8	43.2

Manual Integrations
APPROVED

MMDadoda
5/5/2020 11:35:32 AM



#16

Acetone

Concen: 93.993 ug/l

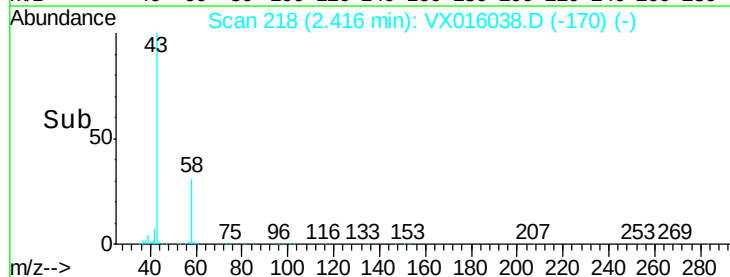
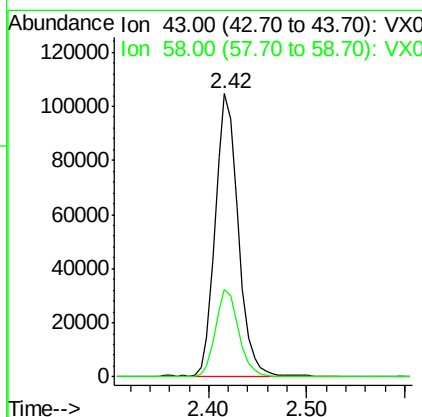
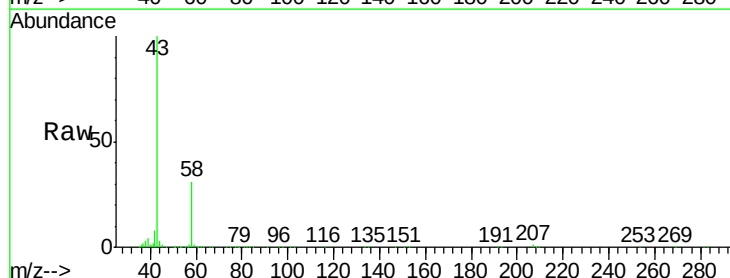
RT: 2.42 min Scan# 218

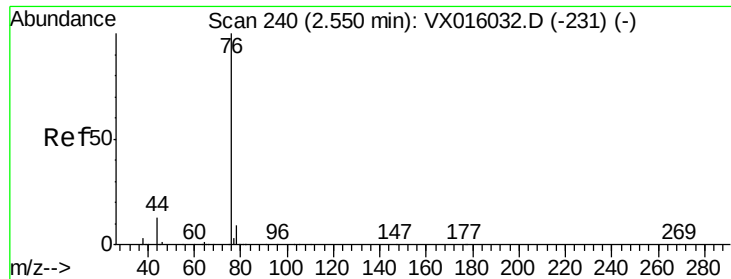
Delta R.T. -0.01 min

Lab File: VX016038.D

Acq: 04 May 2020 16:22

Tgt Ion:	43	Resp:	169846
Ion	Ratio	Lower	Upper
43	100		
58	31.1	25.4	38.0





#17

Carbon Disulfide

Concen: 18.022 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX016038.D

Acq: 04 May 2020 16:22

Instrument :

MSVOA_X

ClientSampleId :

VX0504WBSD01

Tot Ion: 76 Resp: 174413

Ion Ratio Lower Upper

76 100

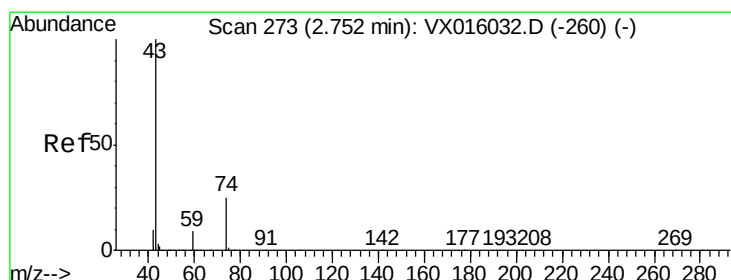
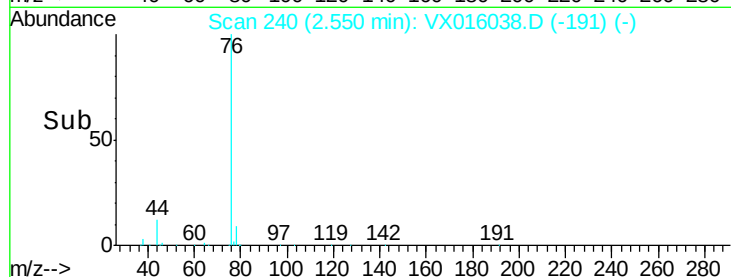
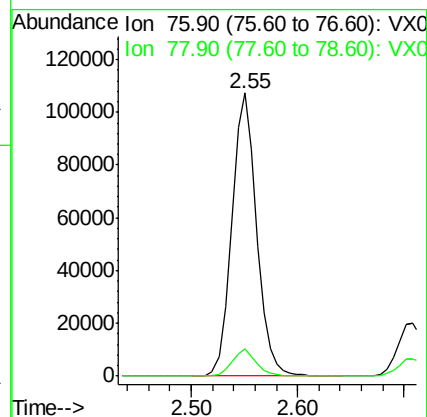
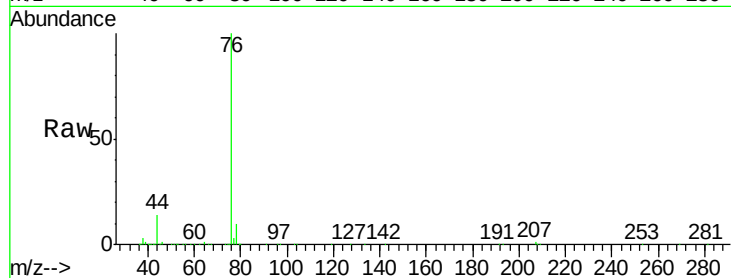
78 9.5 7.5 11.3

Manual Integrations

APPROVED

MMDadoda

5/5/2020 11:35:32 AM



#18

Methyl Acetate

Concen: 18.448 ug/l

RT: 2.75 min Scan# 272

Delta R.T. -0.01 min

Lab File: VX016038.D

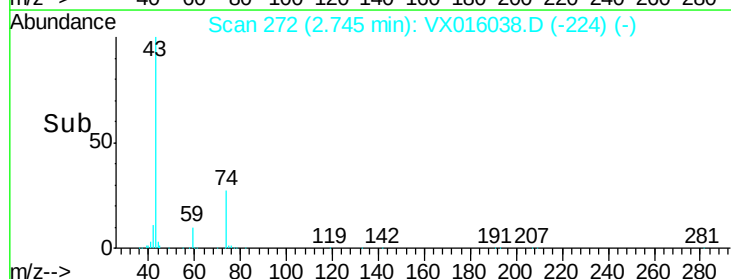
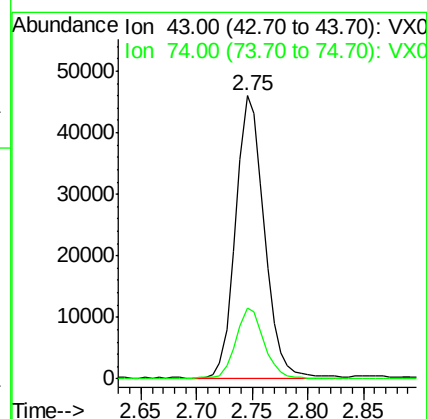
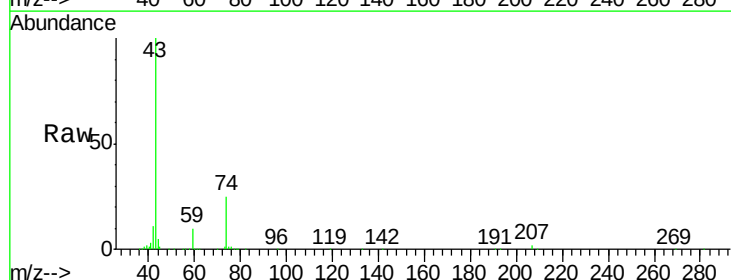
Acq: 04 May 2020 16:22

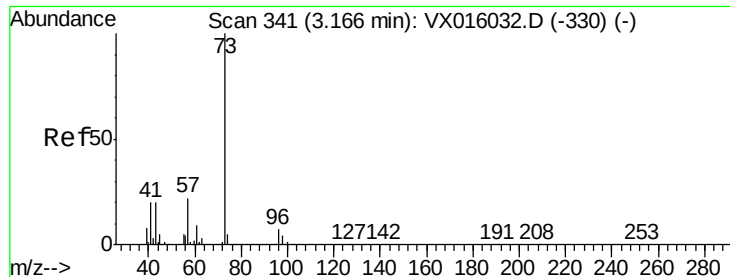
Tgt Ion: 43 Resp: 81965

Ion Ratio Lower Upper

43 100

74 25.3 20.2 30.2





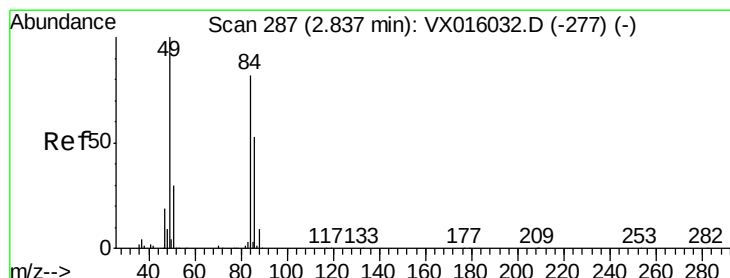
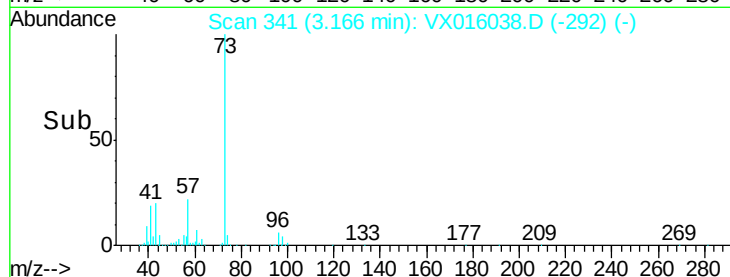
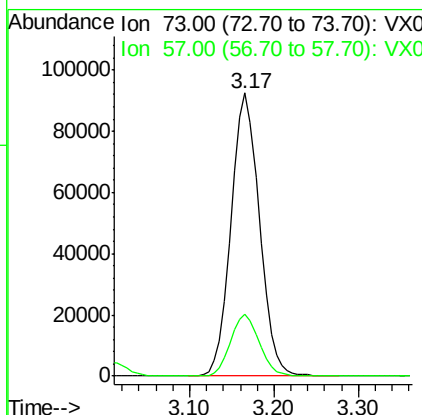
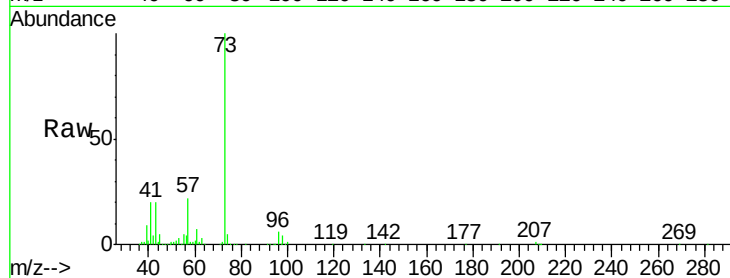
#19
Methyl tert-butyl Ether
Concen: 19.058 ug/l
RT: 3.17 min Scan# 341
Delta R.T. -0.00 min
Lab File: VX016038.D
Acq: 04 May 2020 16:22

Instrument :
MSVOA_X
ClientSampled :
VX0504WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.8	26.6

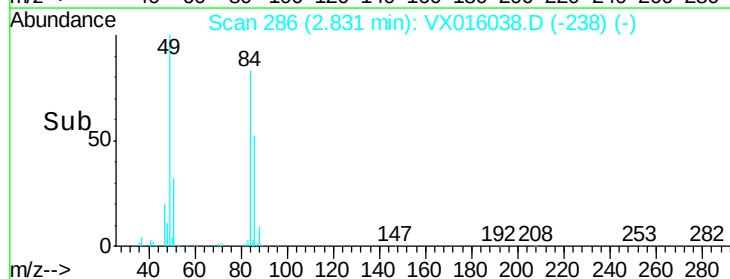
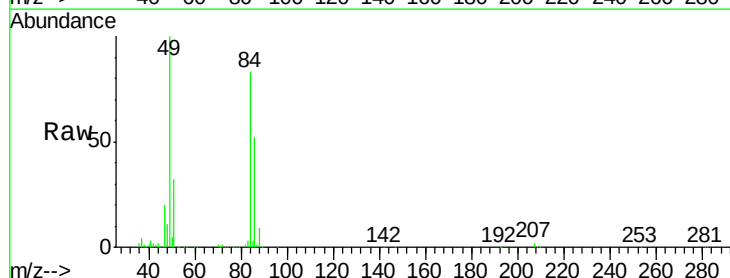
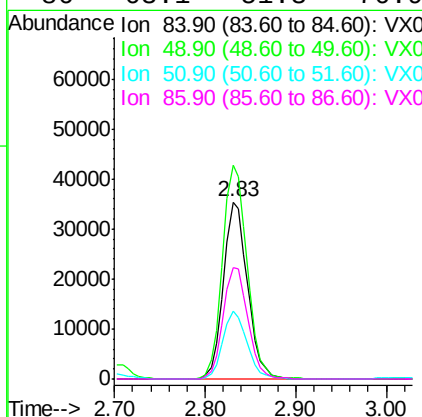
Manual Integrations
APPROVED

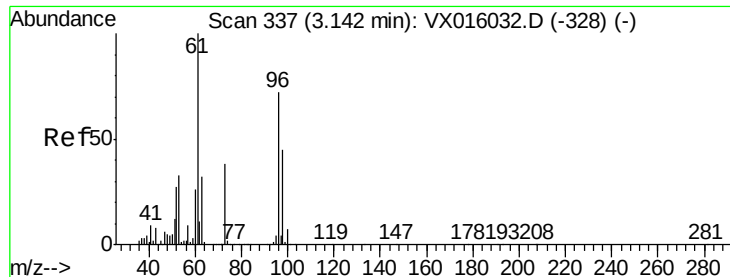
MMDadoda
5/5/2020 11:35:32 AM



#20
Methylene Chloride
Concen: 17.627 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX016038.D
Acq: 04 May 2020 16:22

Tgt Ion	Ratio	Lower	Upper
84	100		
49	120.7	97.3	145.9
51	38.3	29.3	43.9
86	63.1	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 17.417 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX016038.D

Acq: 04 May 2020 16:22

Instrument :

MSVOA_X

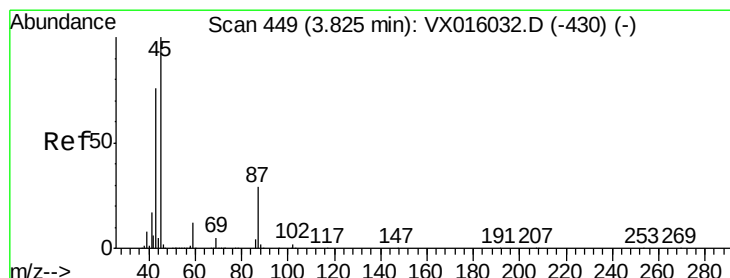
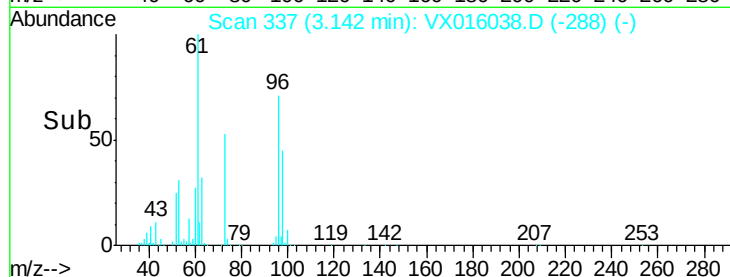
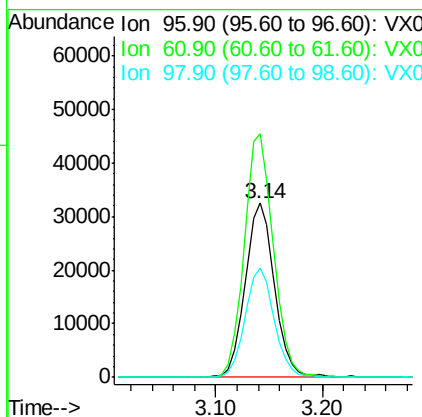
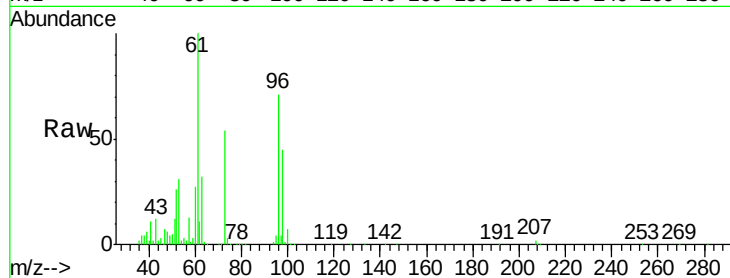
ClientSampleId :

VX0504WBSD01

Tot Ion:	96	Resp:	62094
Ion	Ratio	Lower	Upper
96	100		
61	140.3	111.2	166.8
98	62.9	50.2	75.4

Manual Integrations
APPROVED

MMDadoda
5/5/2020 11:35:32 AM



#22

Diisopropyl ether

Concen: 18.494 ug/l

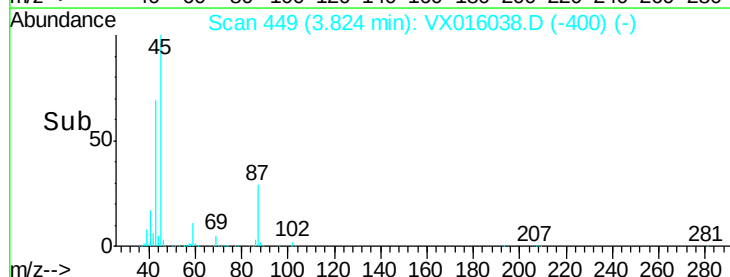
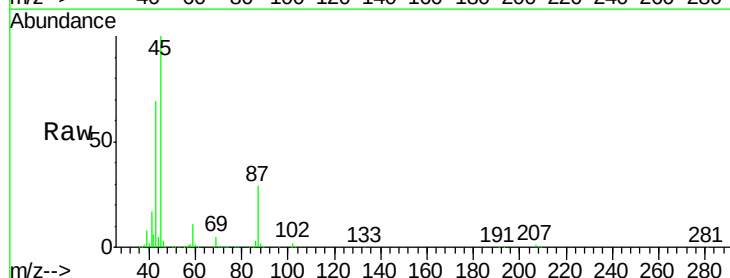
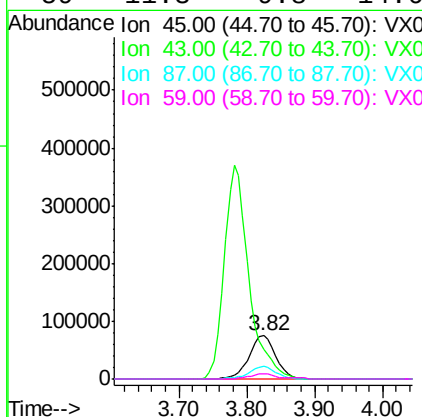
RT: 3.82 min Scan# 449

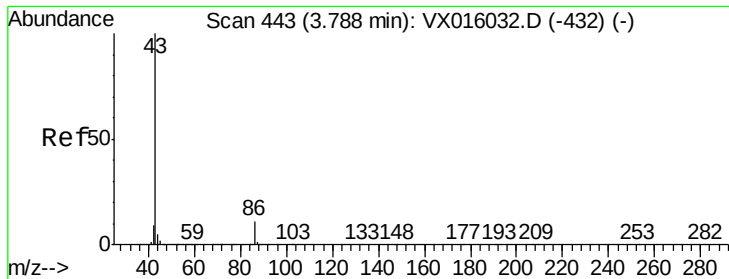
Delta R.T. -0.00 min

Lab File: VX016038.D

Acq: 04 May 2020 16:22

Tgt Ion:	45	Resp:	204659
Ion	Ratio	Lower	Upper
45	100		
43	69.0	61.1	91.7
87	28.8	23.0	34.6
59	11.3	9.8	14.6





#23

Vinyl Acetate

Concen: 95.206 ug/l

RT: 3.78 min Scan# 442

Delta R.T. -0.01 min

Lab File: VX016038.D

Acq: 04 May 2020 16:22

Instrument :

MSVOA_X

ClientSampleId :

VX0504WBSD01

Tot Ion: 43 Resp: 926931

Ion Ratio Lower Upper

43 100

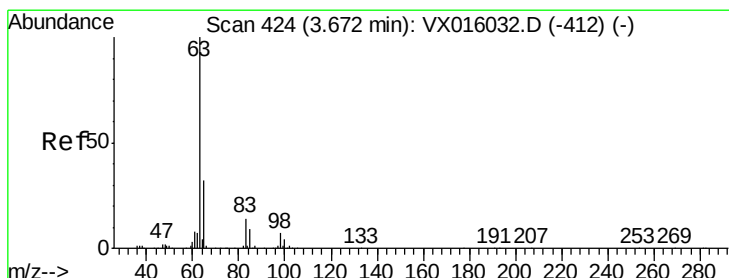
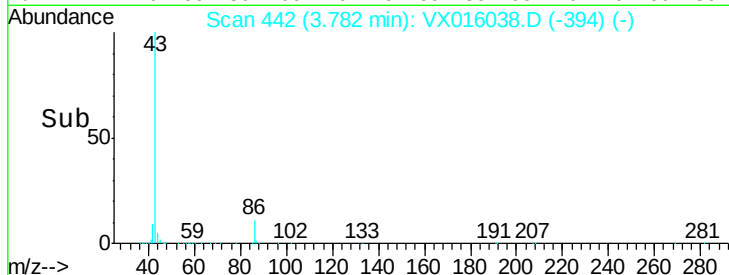
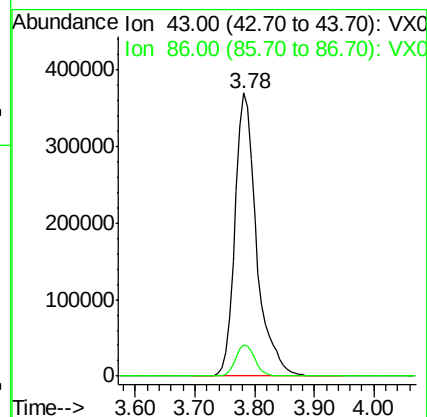
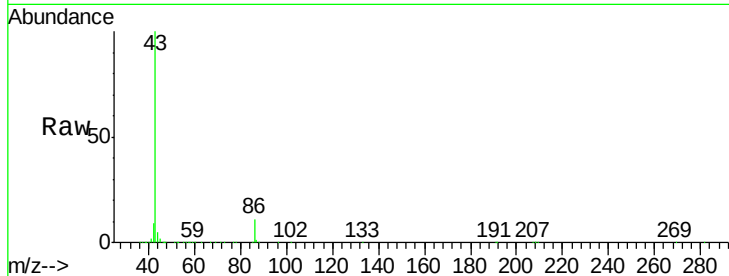
86 11.0 9.0 13.4

Manual Integrations

APPROVED

MMDadoda

5/5/2020 11:35:32 AM



#24

1,1-Dichloroethane

Concen: 18.388 ug/l

RT: 3.67 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX016038.D

Acq: 04 May 2020 16:22

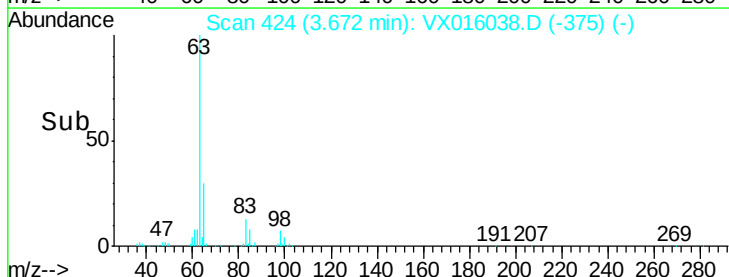
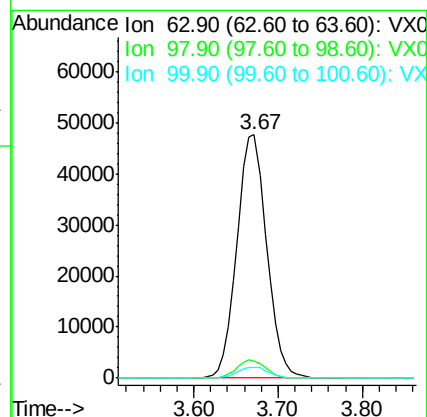
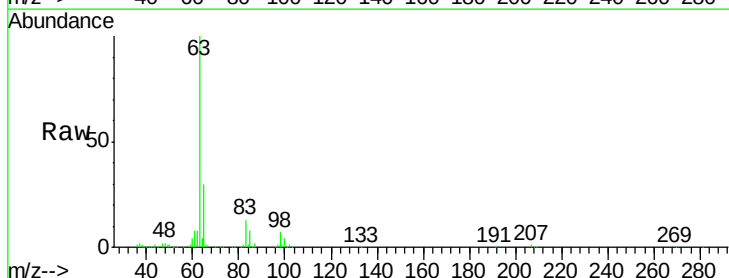
Tgt Ion: 63 Resp: 113831

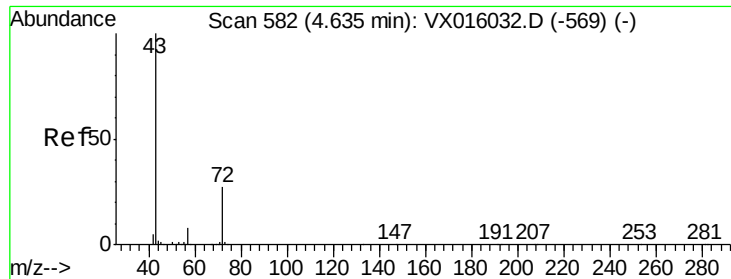
Ion Ratio Lower Upper

63 100

98 7.2 3.5 10.5

100 4.4 2.1 6.5





#25

2-Butanone

Concen: 94.188 ug/l

RT: 4.64 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX016038.D

Acq: 04 May 2020 16:22

Instrument :

MSVOA_X

ClientSampleId :

VX0504WBSD01

Tot Ion: 43 Resp: 274259

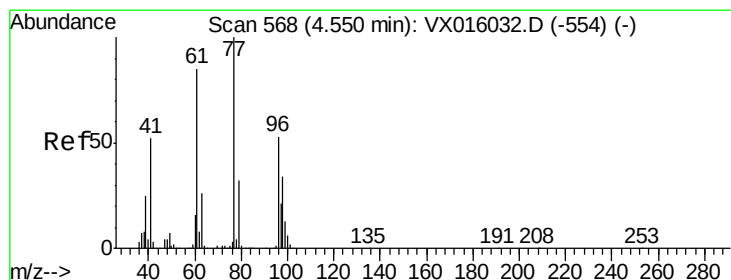
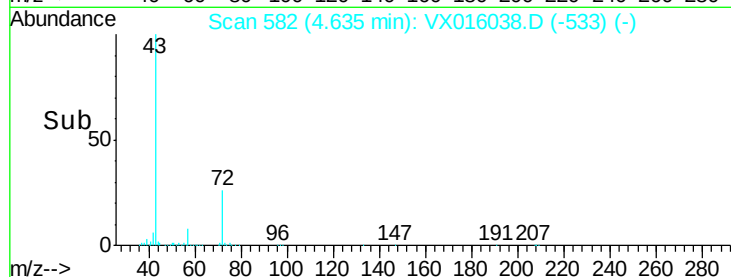
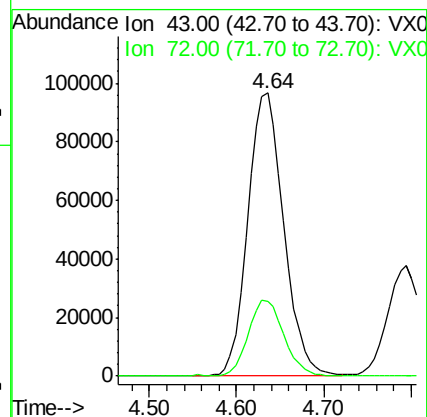
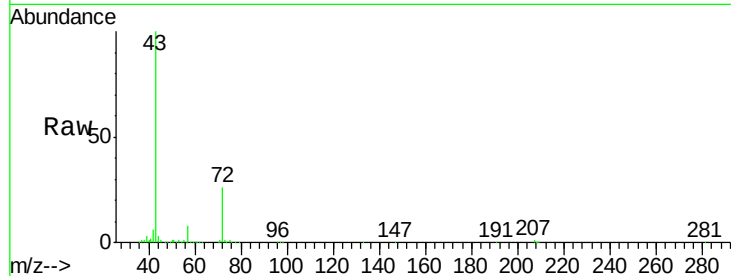
Ion Ratio Lower Upper

43 100

72 26.3 21.8 32.8

Manual Integrations
APPROVED

MMDadoda
5/5/2020 11:35:32 AM



#26

2,2-Dichloropropane

Concen: 17.537 ug/l

RT: 4.55 min Scan# 568

Delta R.T. -0.00 min

Lab File: VX016038.D

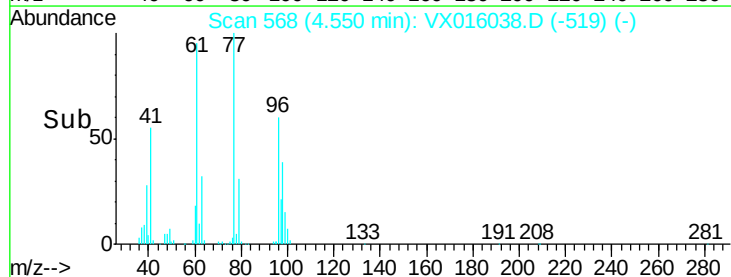
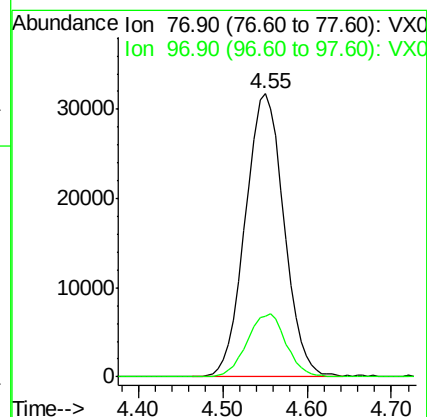
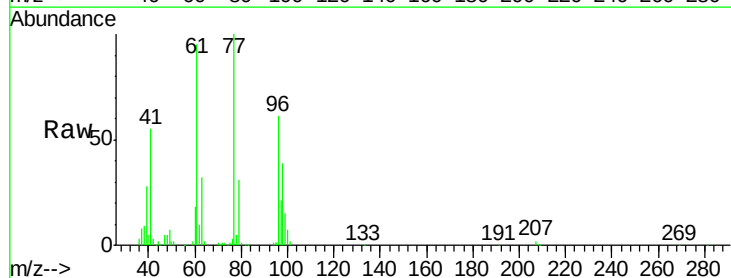
Acq: 04 May 2020 16:22

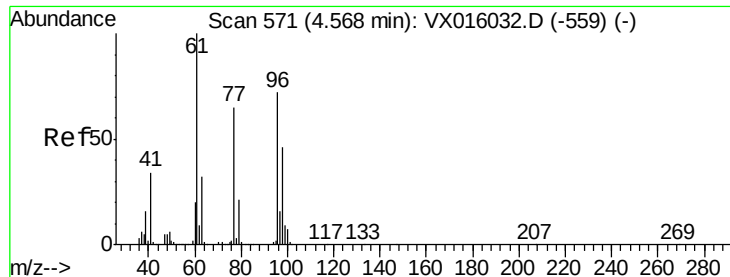
Tgt Ion: 77 Resp: 99143

Ion Ratio Lower Upper

77 100

97 22.4 11.2 33.6





#27

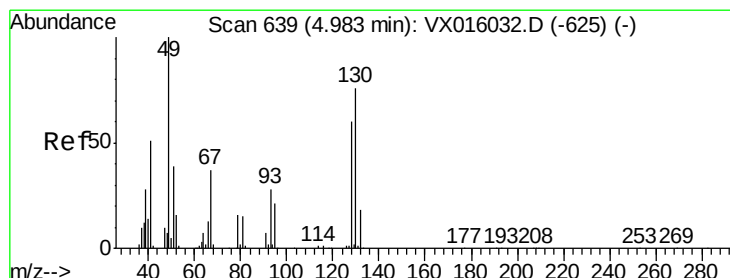
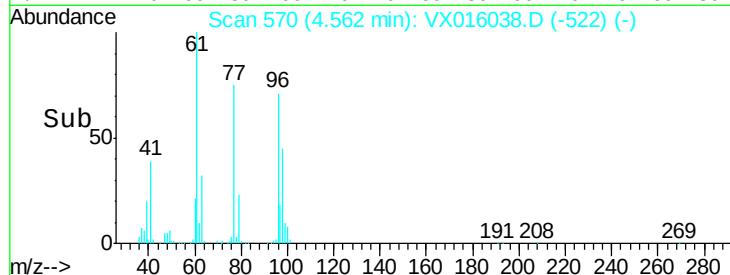
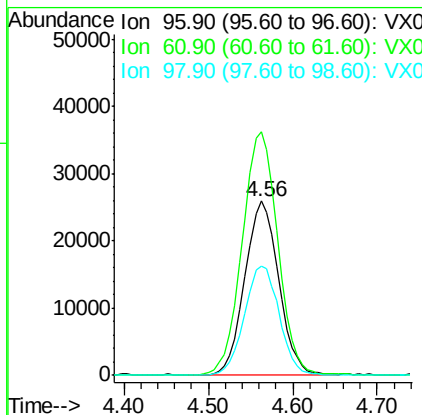
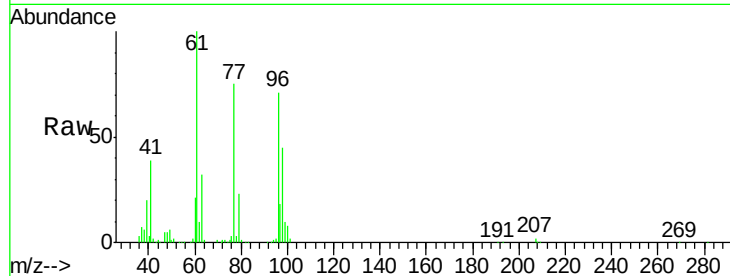
cis-1,2-Dichloroethene
Concen: 18.102 ug/l
RT: 4.56 min Scan# 570
Delta R.T. -0.01 min
Lab File: VX016038.D
Acq: 04 May 2020 16:22

Instrument :
MSVOA_X
ClientSampleId :
VX0504WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.7	0.0	296.2
98	64.8	0.0	129.4

Manual Integrations
APPROVED

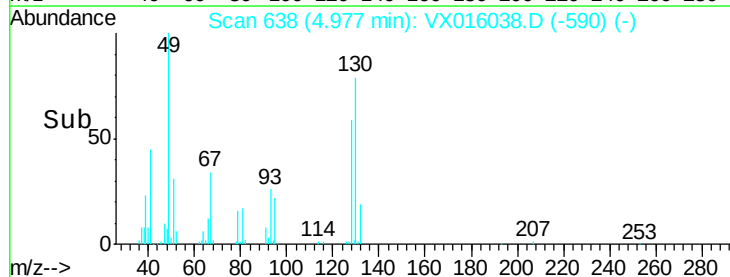
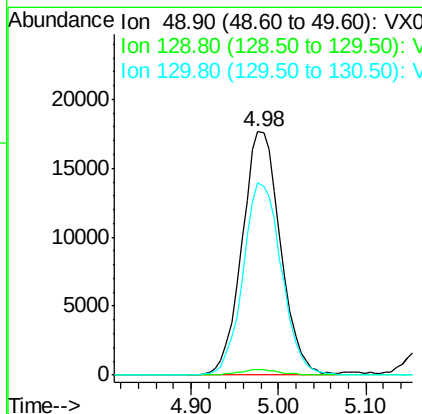
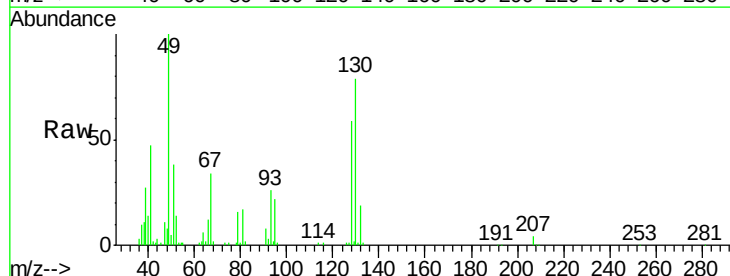
MMDadoda
5/5/2020 11:35:32 AM

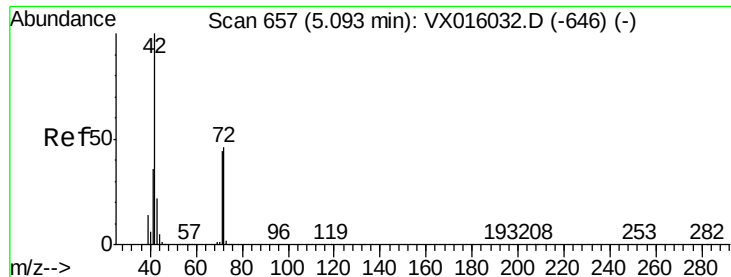


#28

Bromochloromethane
Concen: 19.100 ug/l
RT: 4.98 min Scan# 638
Delta R.T. -0.01 min
Lab File: VX016038.D
Acq: 04 May 2020 16:22

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.0
130	78.7	62.4	93.6





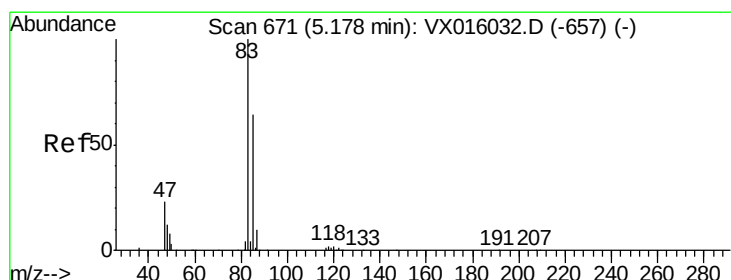
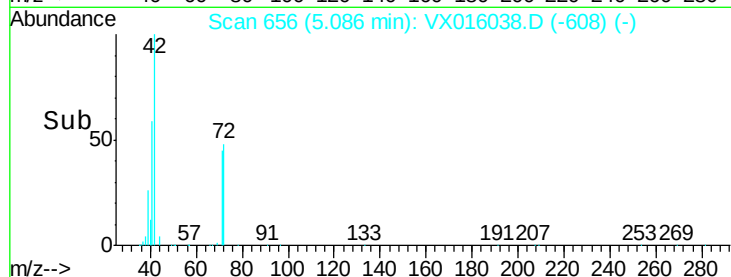
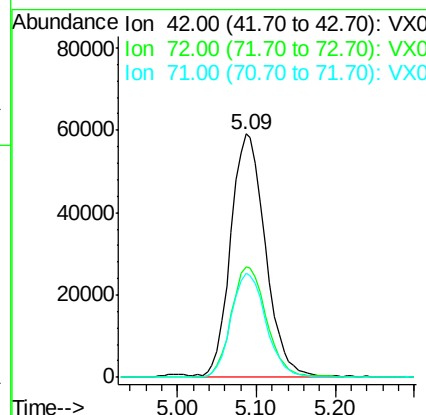
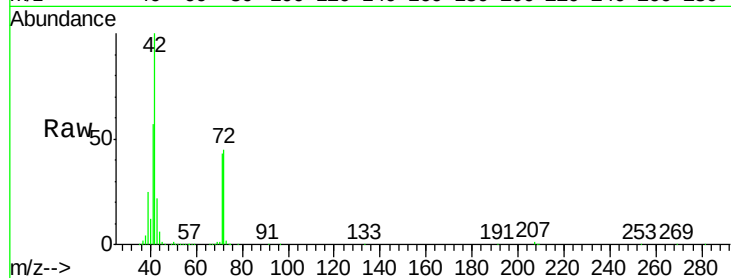
#29
Tetrahydrofuran
Concen: 93.108 ug/l
RT: 5.09 min Scan# 656
Delta R.T. -0.01 min
Lab File: VX016038.D
Acq: 04 May 2020 16:22

Instrument :
MSVOA_X
ClientSampleId :
VX0504WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.7	37.1	55.7
71	43.1	34.5	51.7

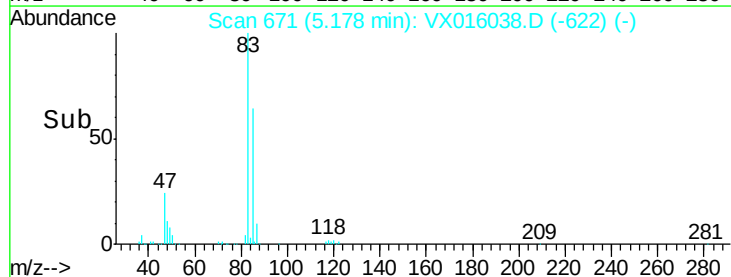
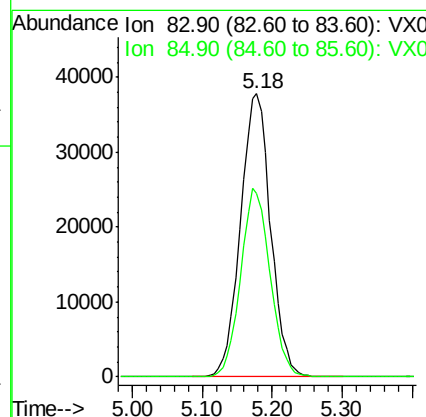
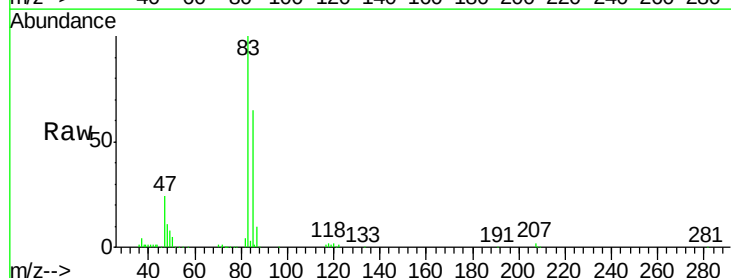
Manual Integrations
APPROVED

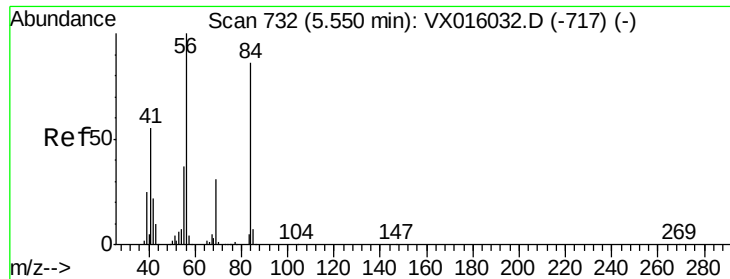
MMDadoda
5/5/2020 11:35:32 AM



#30
Chloroform
Concen: 18.330 ug/l
RT: 5.18 min Scan# 671
Delta R.T. -0.00 min
Lab File: VX016038.D
Acq: 04 May 2020 16:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.6	77.4





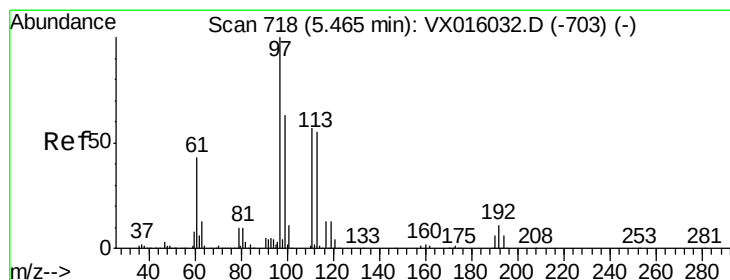
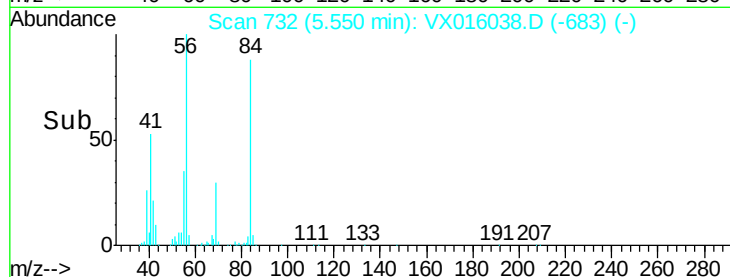
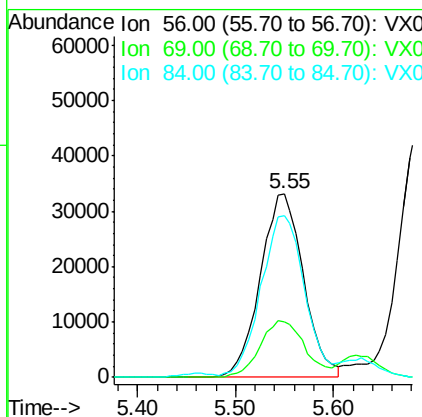
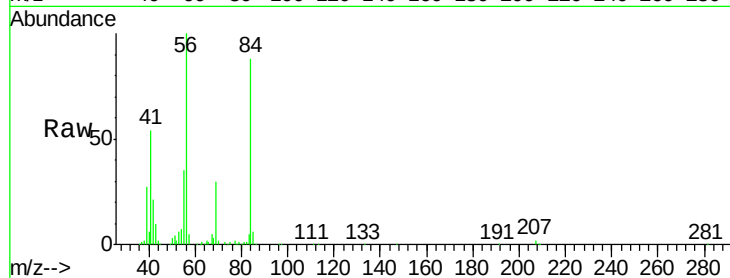
#31
Cyclohexane
Concen: 18.183 ug/l
RT: 5.55 min Scan# 732
Delta R.T. -0.00 min
Lab File: VX016038.D
Acq: 04 May 2020 16:22

Instrument :
MSVOA_X
ClientSampleId :
VX0504WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.2	25.0	37.6
84	86.7	69.0	103.6

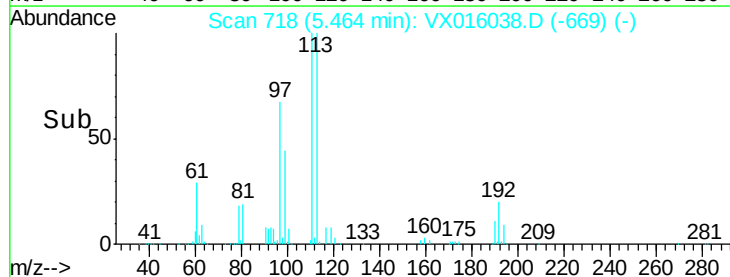
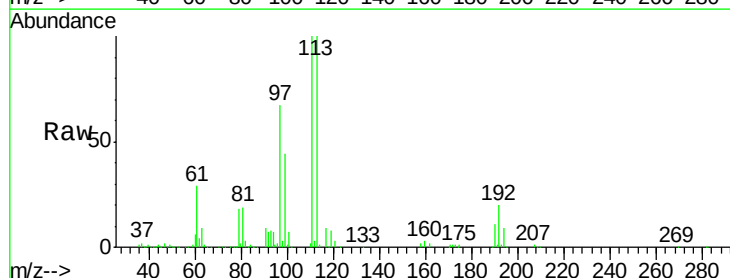
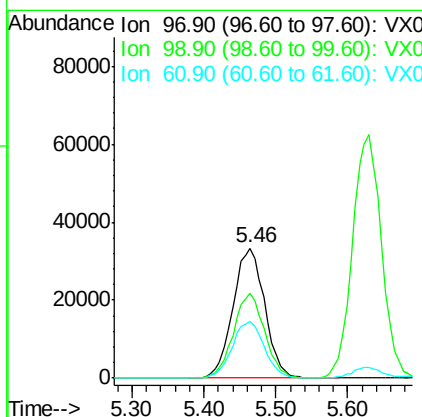
Manual Integrations
APPROVED

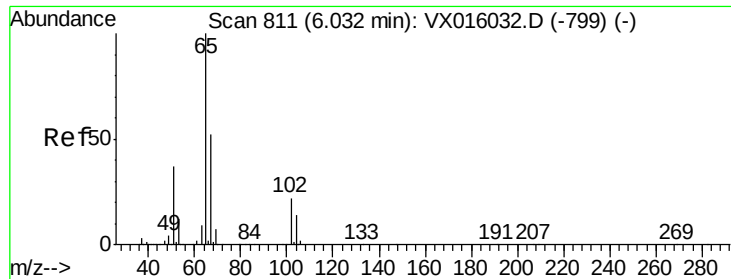
MMDadoda
5/5/2020 11:35:32 AM



#32
1,1,1-Trichloroethane
Concen: 18.242 ug/l
RT: 5.46 min Scan# 718
Delta R.T. -0.00 min
Lab File: VX016038.D
Acq: 04 May 2020 16:22

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.0	76.4
61	44.2	34.5	51.7





#33

1,2-Dichloroethane-d4

Concen: 47.014 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX016038.D

Acq: 04 May 2020 16:22

Instrument :

MSVOA_X

ClientSampleId :

VX0504WBSD01

Tot Ion: 65 Resp: 190401

Ion Ratio Lower Upper

65 100

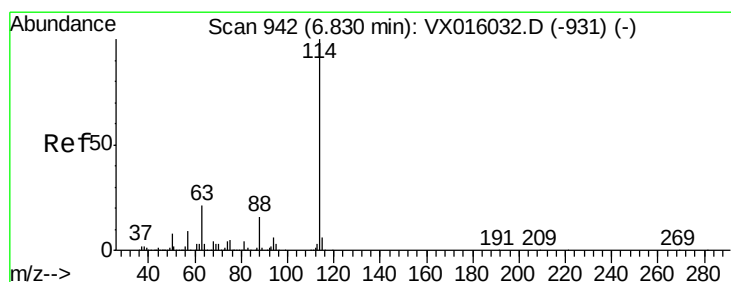
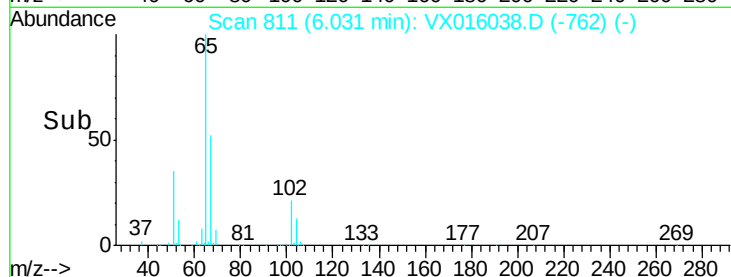
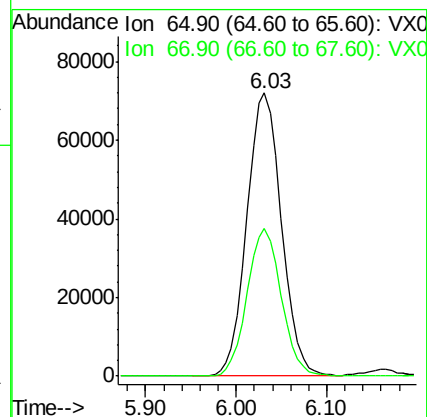
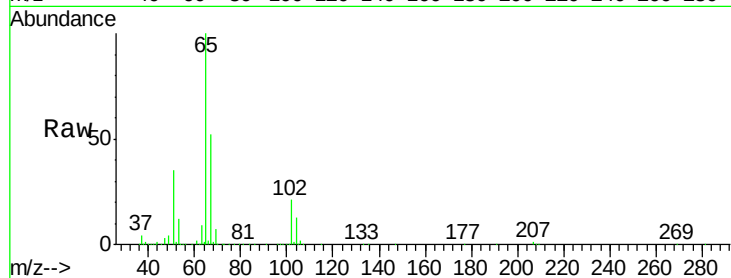
67 51.5 0.0 104.8

Manual Integrations

APPROVED

MMDadoda

5/5/2020 11:35:32 AM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX016038.D

Acq: 04 May 2020 16:22

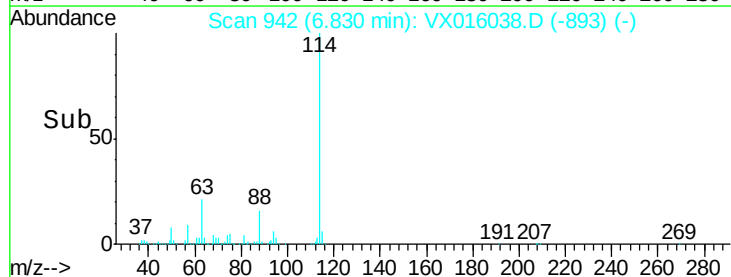
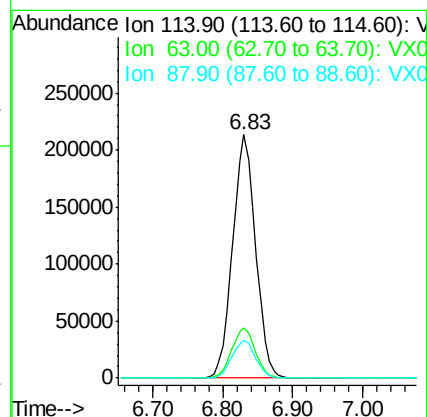
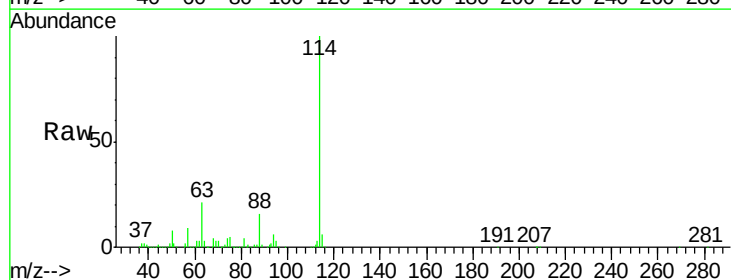
Tgt Ion: 114 Resp: 486979

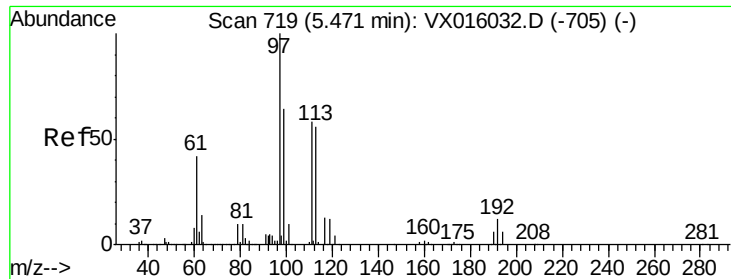
Ion Ratio Lower Upper

114 100

63 20.8 0.0 42.8

88 15.7 0.0 31.4





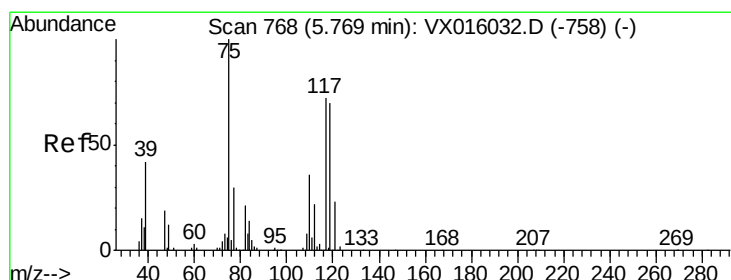
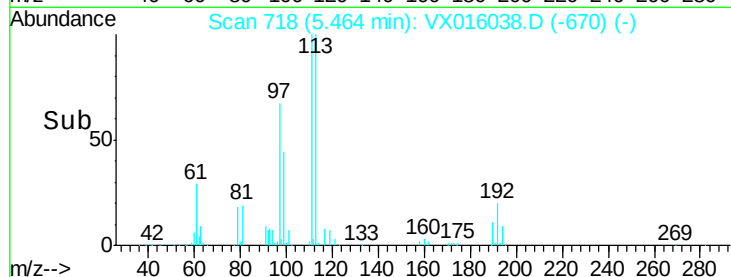
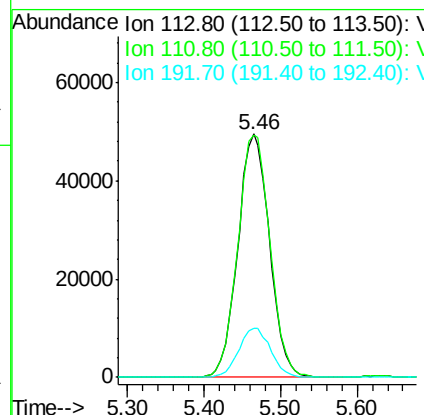
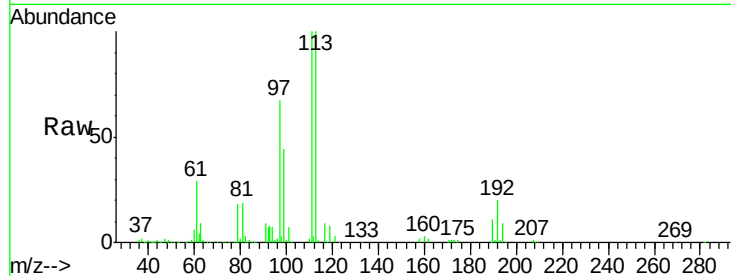
#35
 Dibromofluoromethane
 Concen: 45.984 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.01 min
 Lab File: VX016038.D
 Acq: 04 May 2020 16:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0504WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	141870		
111	101.4	81.6	122.4	
192	20.6	17.0	25.4	

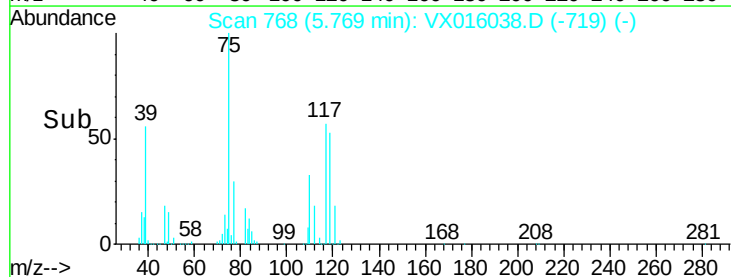
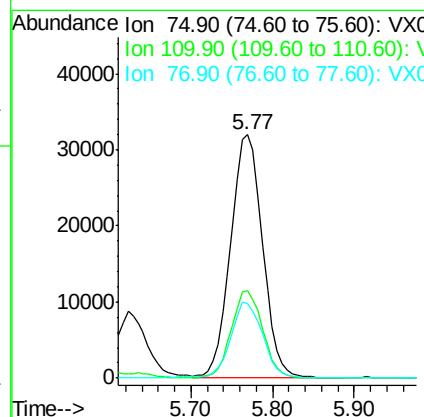
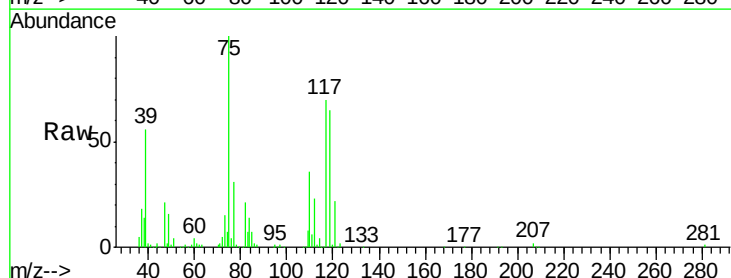
Manual Integrations
 APPROVED

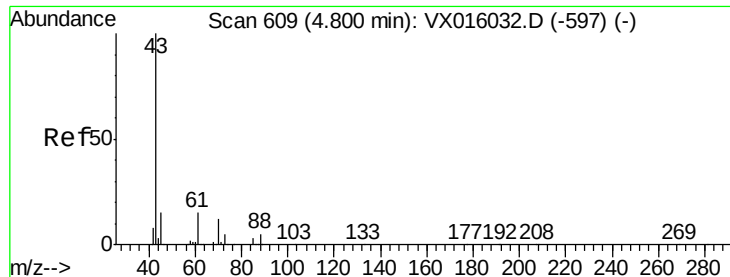
MMDadoda
 5/5/2020 11:35:32 AM



#36
 1,1-Dichloropropene
 Concen: 18.122 ug/l
 RT: 5.77 min Scan# 768
 Delta R.T. -0.00 min
 Lab File: VX016038.D
 Acq: 04 May 2020 16:22

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	86872		
110	35.1	18.1	54.1	
77	30.4	25.0	37.6	





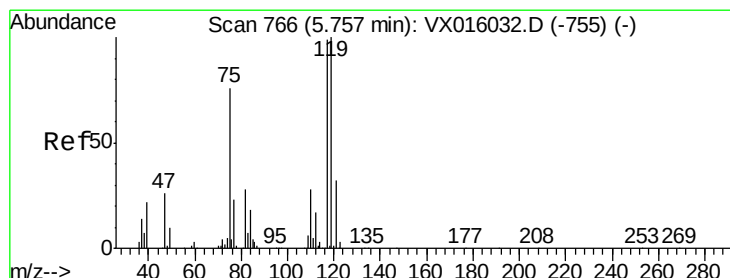
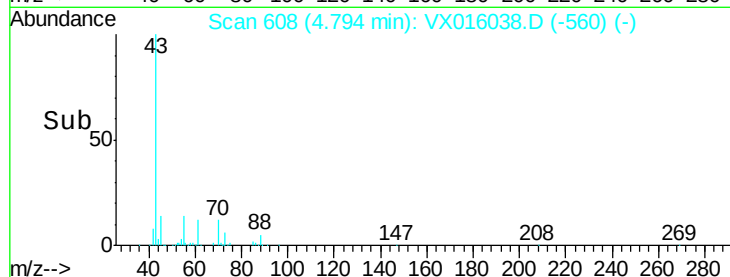
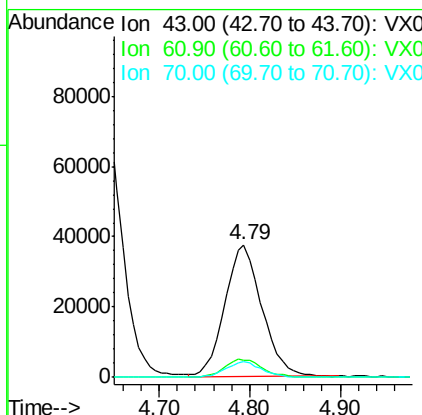
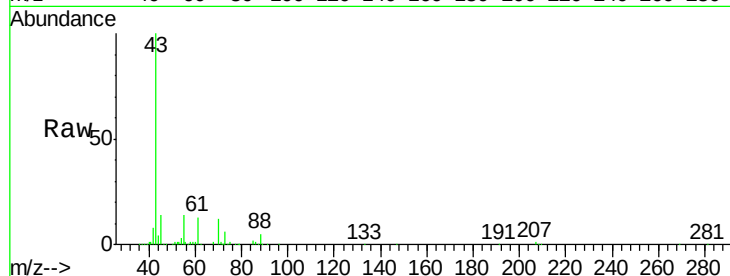
#37
Ethyl Acetate
Concen: 19.098 ug/l
RT: 4.79 min Scan# 608
Delta R.T. -0.01 min
Lab File: VX016038.D
Acq: 04 May 2020 16:22

Instrument :
MSVOA_X
ClientSampleId :
VX0504WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.7	17.5
70	11.8	9.3	13.9

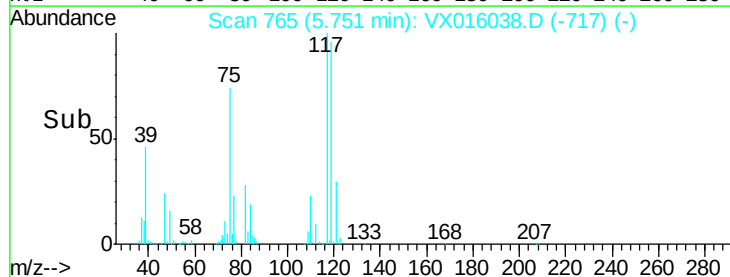
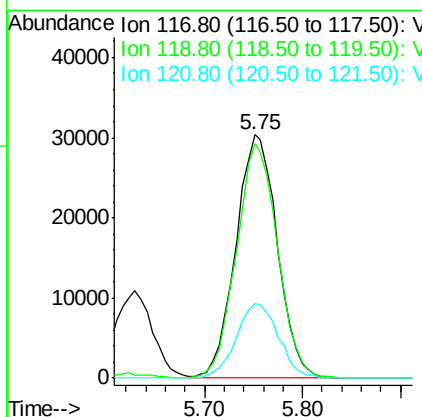
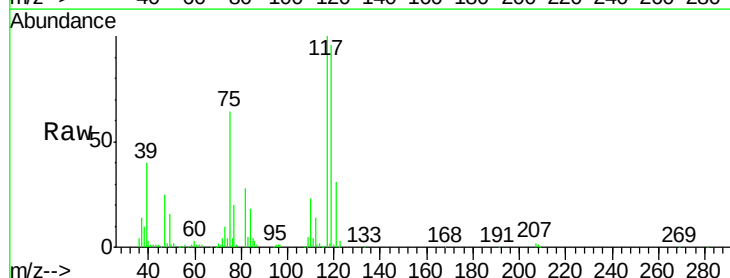
Manual Integrations
APPROVED

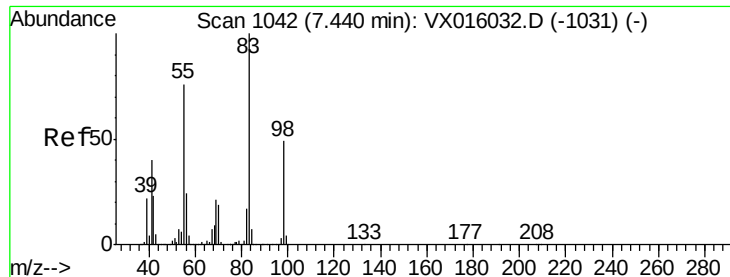
MMDadoda
5/5/2020 11:35:32 AM



#38
Carbon Tetrachloride
Concen: 18.276 ug/l
RT: 5.75 min Scan# 765
Delta R.T. -0.01 min
Lab File: VX016038.D
Acq: 04 May 2020 16:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.0	80.3	120.5
121	30.6	25.7	38.5





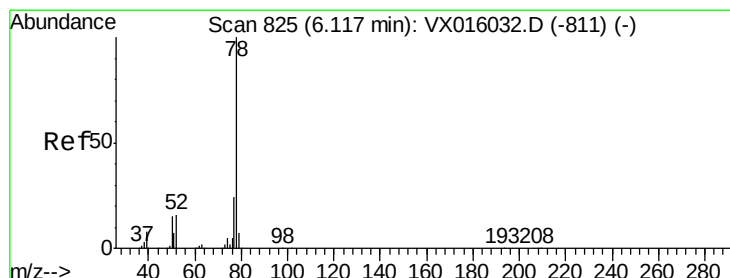
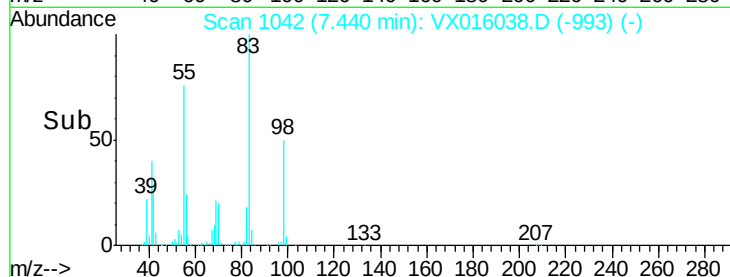
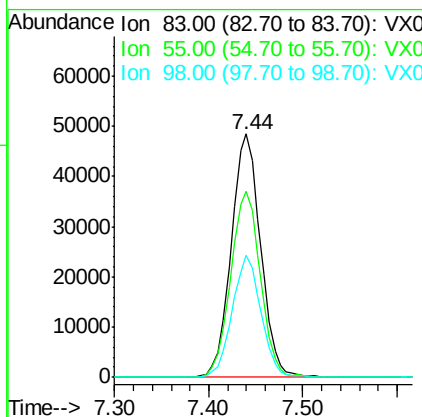
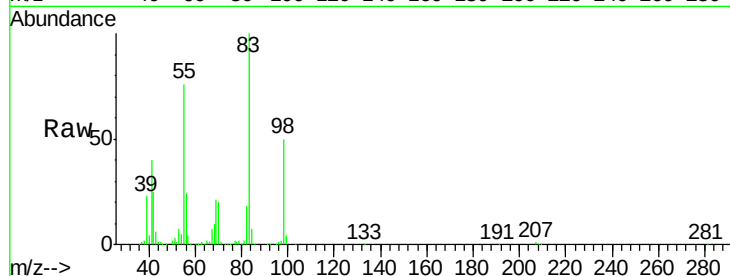
#39
Methylvlcyclohexane
Concen: 18.138 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VX016038.D
Acq: 04 May 2020 16:22

Instrument :
MSVOA_X
ClientSampleId :
VX0504WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.2	61.1	91.7
98	50.2	39.0	58.4

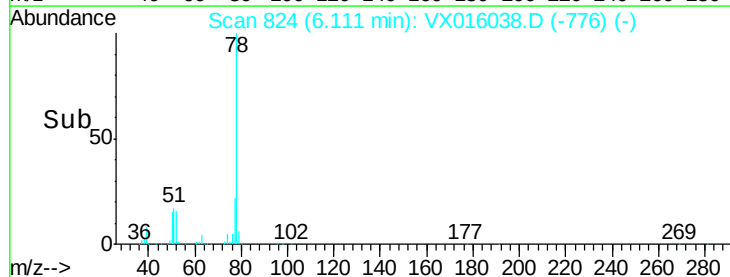
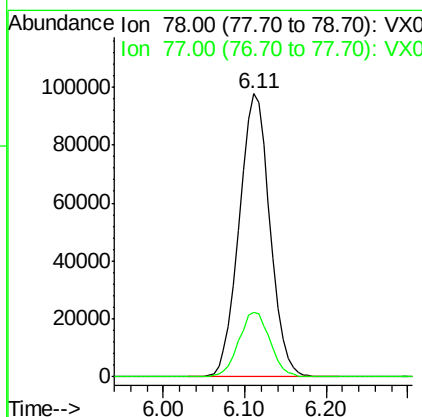
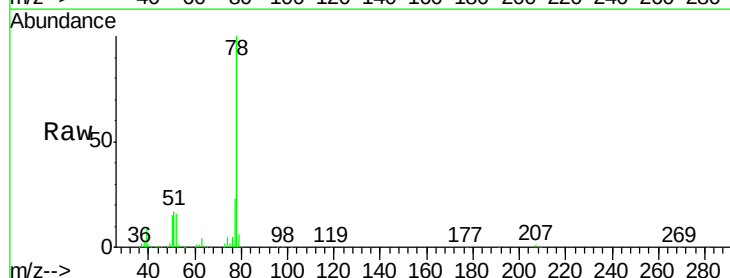
Manual Integrations
APPROVED

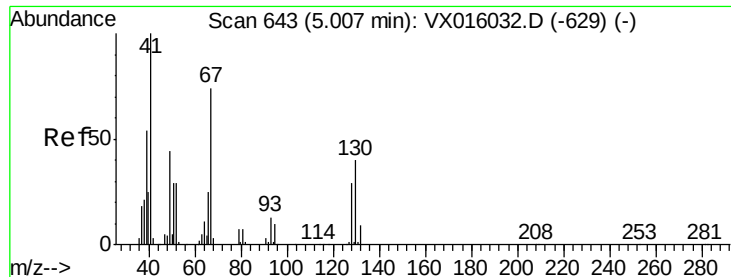
MMDadoda
5/5/2020 11:35:32 AM



#40
Benzene
Concen: 18.218 ug/l
RT: 6.11 min Scan# 824
Delta R.T. -0.01 min
Lab File: VX016038.D
Acq: 04 May 2020 16:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.6	19.0	28.4





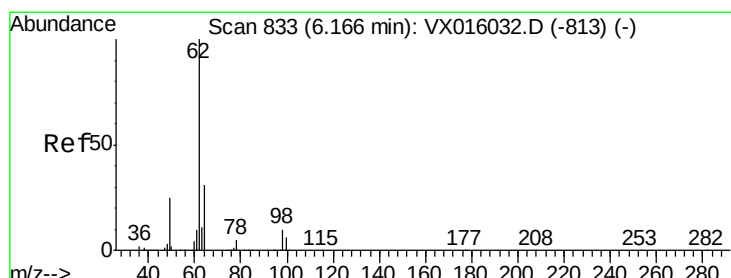
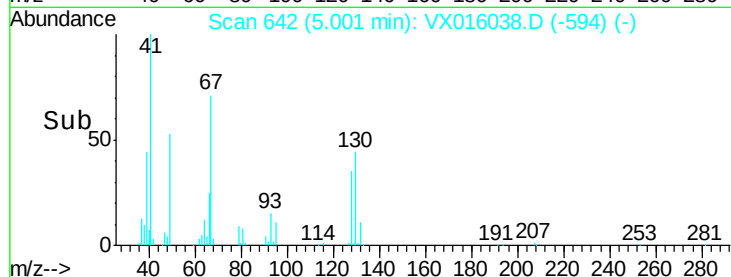
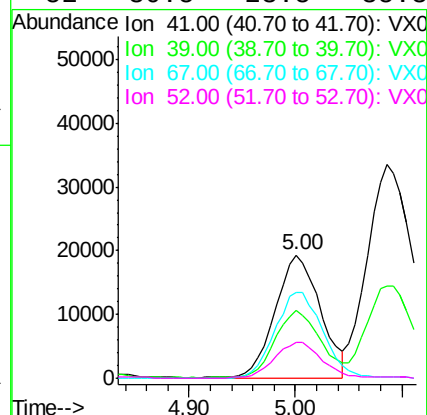
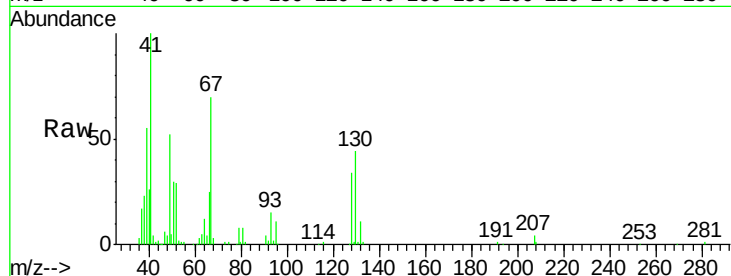
#41
Methacrylonitrile
Concen: 18.687 ug/l
RT: 5.00 min Scan# 642
Delta R.T. -0.01 min
Lab File: VX016038.D
Acq: 04 May 2020 16:22

Instrument :
MSVOA_X
ClientSampleId :
VX0504WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		56070		
39	54.7	43.2	64.8		
67	75.1	59.3	88.9		
52	30.5	23.5	35.3		

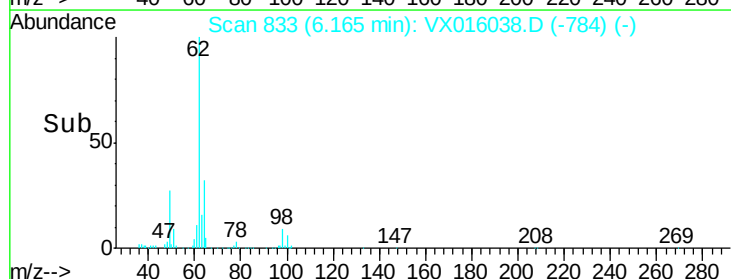
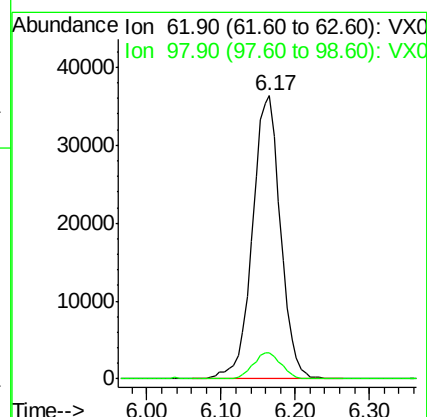
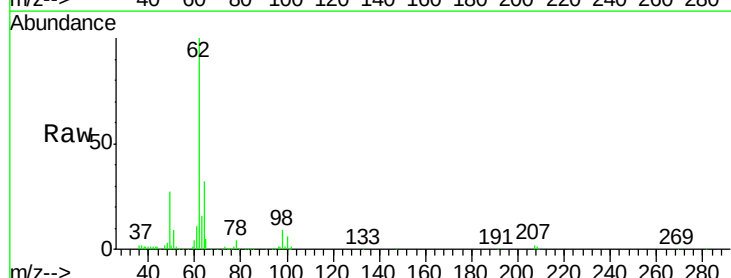
Manual Integrations
APPROVED

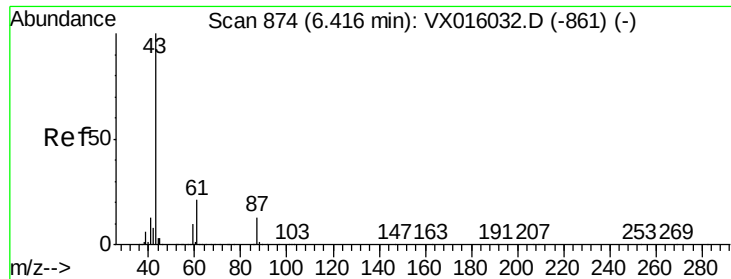
MMDadoda
5/5/2020 11:35:32 AM



#42
1,2-Dichloroethane
Concen: 19.055 ug/l
RT: 6.17 min Scan# 833
Delta R.T. -0.00 min
Lab File: VX016038.D
Acq: 04 May 2020 16:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		96277		
98	9.3	0.0	19.4		





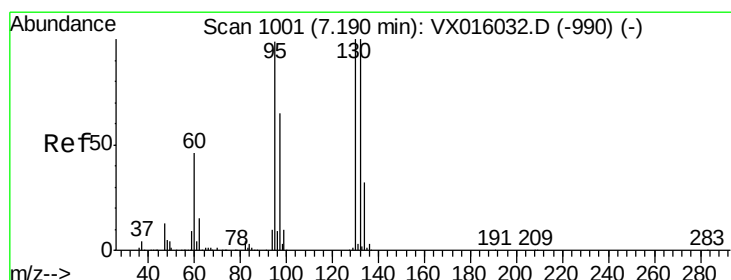
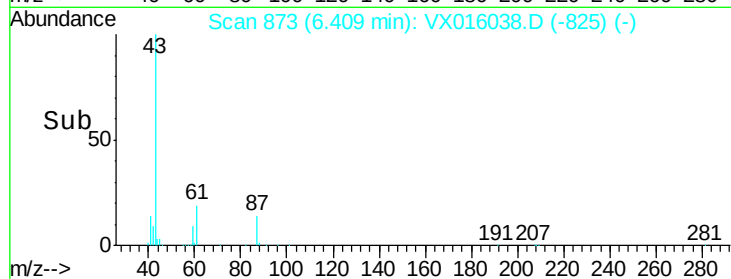
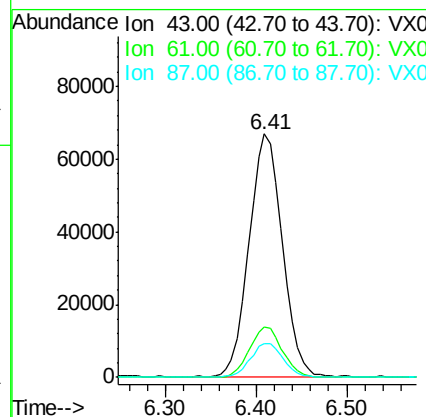
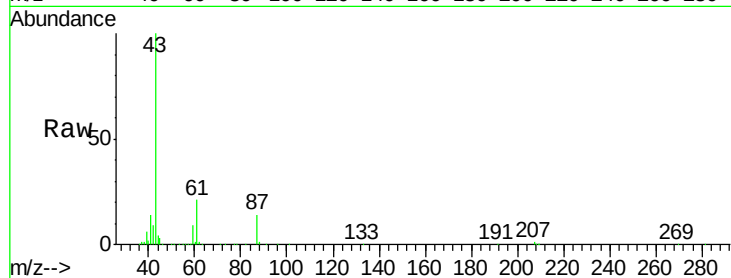
#43
Isopropyl Acetate
Concen: 19.076 ug/l
RT: 6.41 min Scan# 873
Delta R.T. -0.01 min
Lab File: VX016038.D
Acq: 04 May 2020 16:22

Instrument :
MSVOA_X
ClientSampleId :
VX0504WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.7	17.0	25.4
87	13.9	11.0	16.6

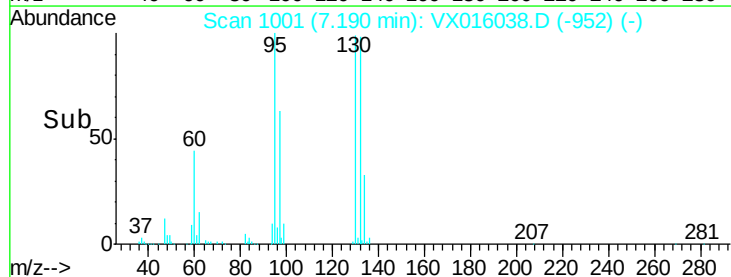
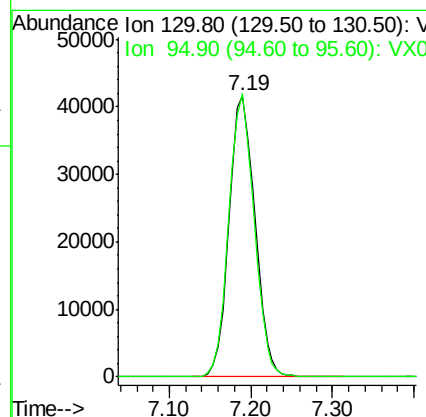
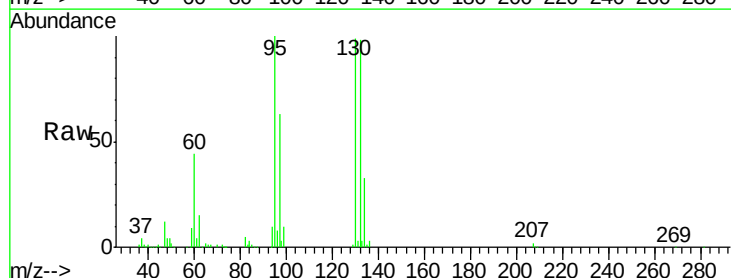
Manual Integrations
APPROVED

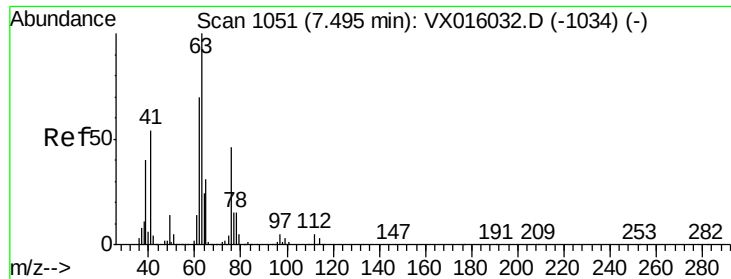
MMDadoda
5/5/2020 11:35:32 AM



#44
Trichloroethene
Concen: 18.367 ug/l
RT: 7.19 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VX016038.D
Acq: 04 May 2020 16:22

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.7	0.0	197.4





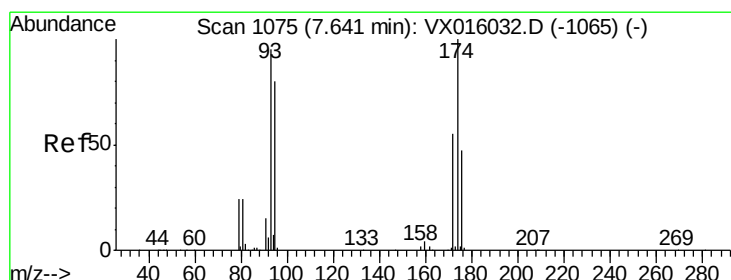
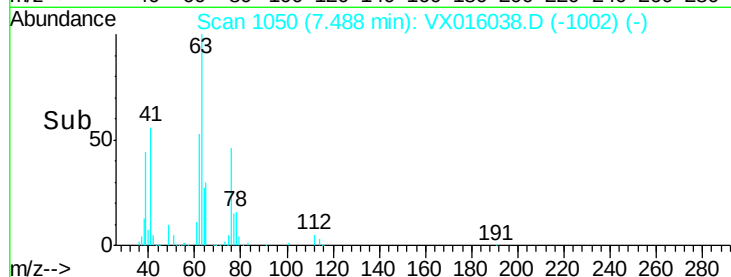
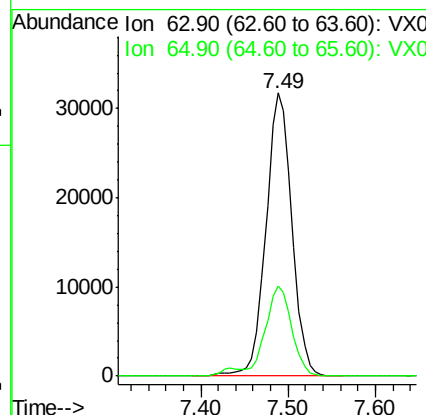
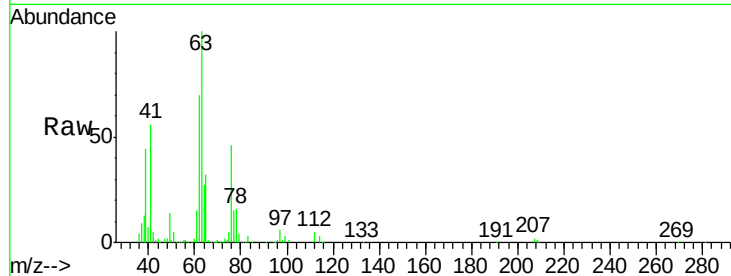
#45
 1,2-Dichloropropane
 Concen: 18.611 ug/l
 RT: 7.49 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: VX016038.D
 Acq: 04 May 2020 16:22

Instrument :
 MSVOA_X
 ClientSampled :
 VX0504WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.8	24.4	36.6

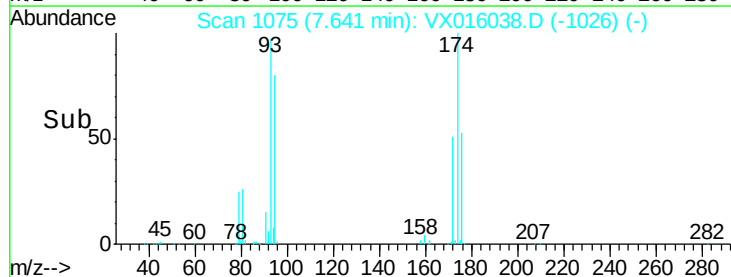
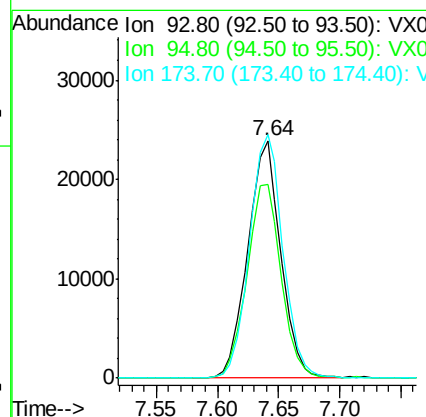
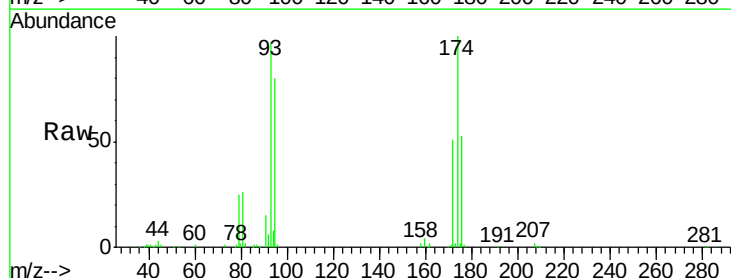
Manual Integrations
 APPROVED

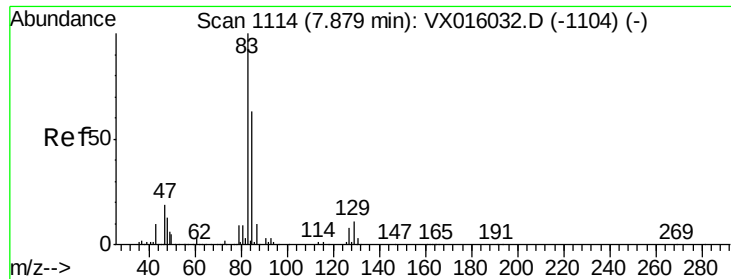
MMDadoda
 5/5/2020 11:35:32 AM



#46
 Dibromomethane
 Concen: 18.611 ug/l
 RT: 7.64 min Scan# 1075
 Delta R.T. -0.00 min
 Lab File: VX016038.D
 Acq: 04 May 2020 16:22

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.3	66.6	100.0
174	104.2	84.2	126.4





#47

Bromodichloromethane

Concen: 18.445 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VX016038.D

Acq: 04 May 2020 16:22

Instrument :

MSVOA_X

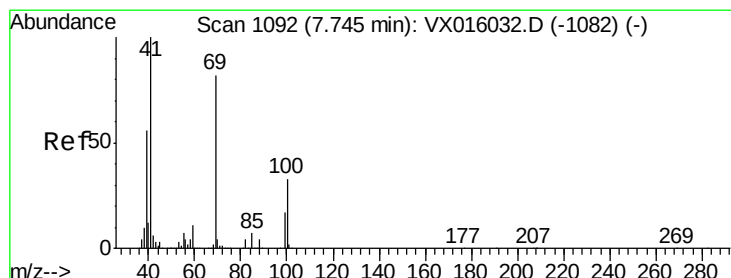
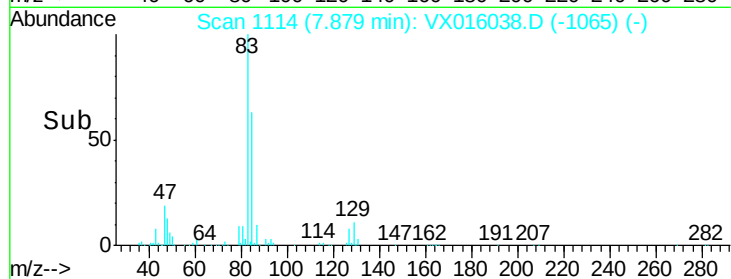
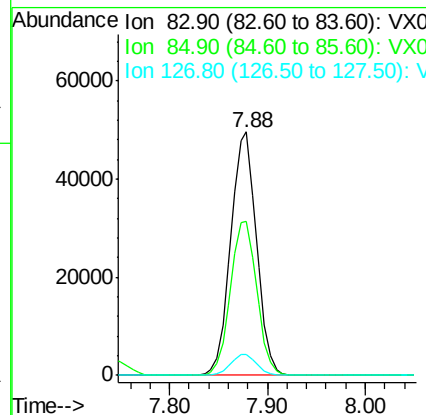
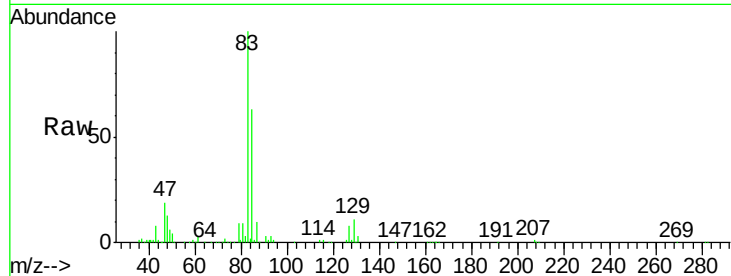
ClientSampleId :

VX0504WBSD01

Tot Ion:	83	Resp:	90602
Ion	Ratio	Lower	Upper
83	100		
85	63.2	50.5	75.7
127	8.4	6.7	10.1

Manual Integrations
APPROVED

MMDadoda
5/5/2020 11:35:32 AM



#48

Methyl methacrylate

Concen: 18.882 ug/l

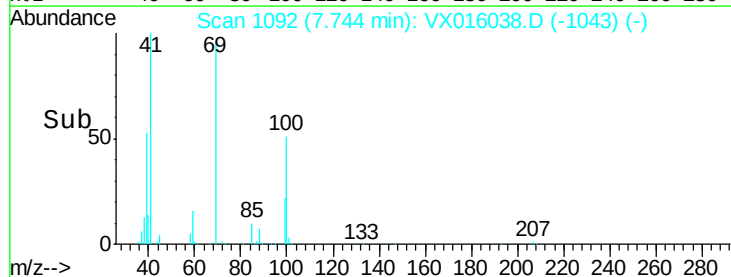
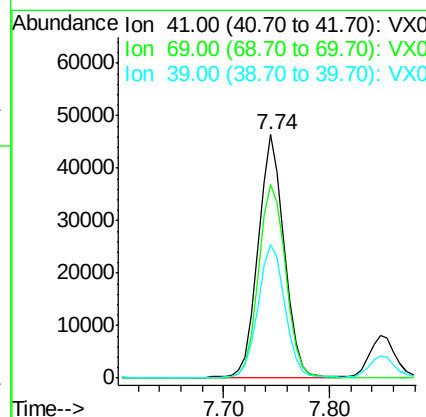
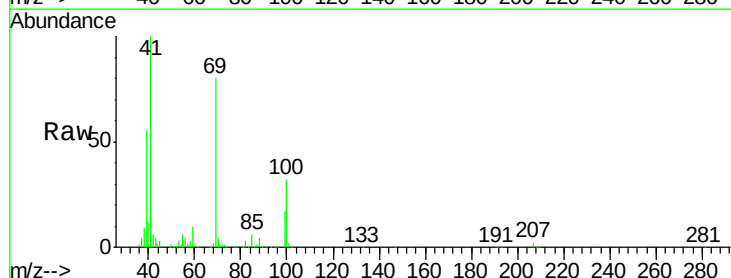
RT: 7.74 min Scan# 1092

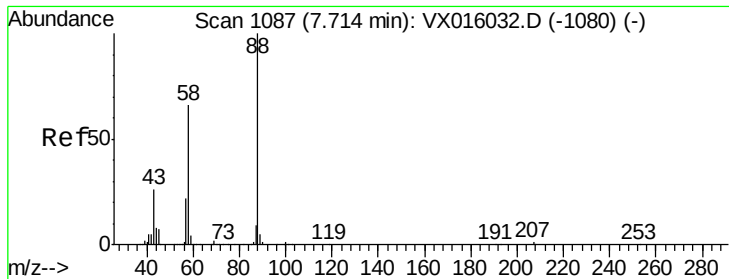
Delta R.T. -0.00 min

Lab File: VX016038.D

Acq: 04 May 2020 16:22

Tgt Ion:	41	Resp:	79316
Ion	Ratio	Lower	Upper
41	100		
69	83.5	67.8	101.6
39	57.0	44.6	67.0





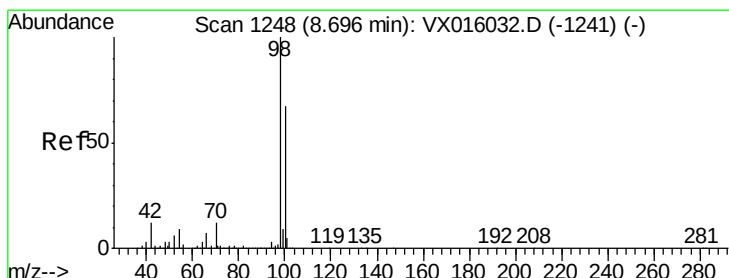
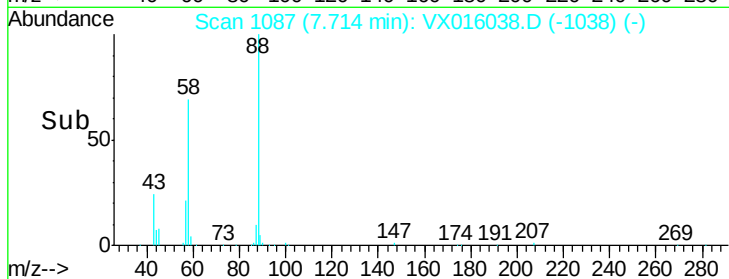
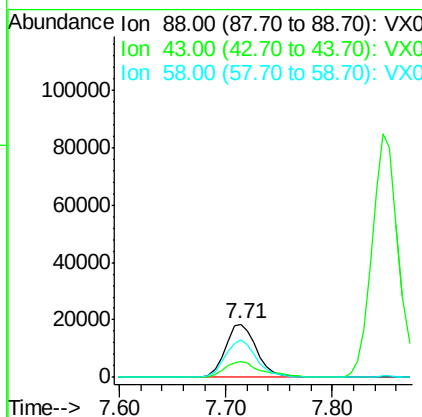
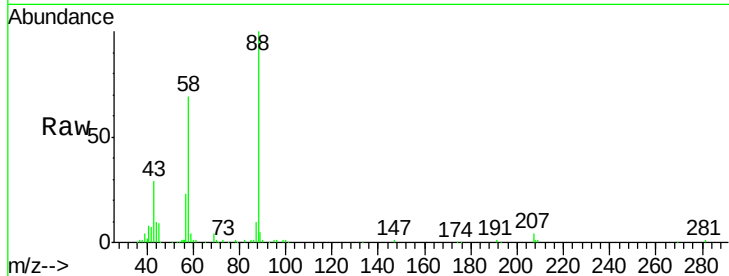
#49
1,4-Dioxane
Concen: 377.547 ug/l
RT: 7.71 min Scan# 1087
Delta R.T. -0.00 min
Lab File: VX016038.D
Acq: 04 May 2020 16:22

Instrument :
MSVOA_X
ClientSampleId :
VX0504WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.6	25.3	37.9
58	69.6	55.9	83.9

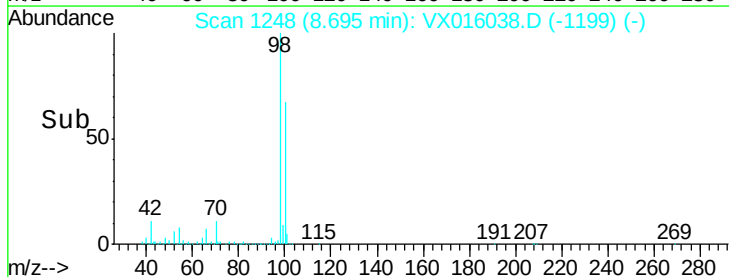
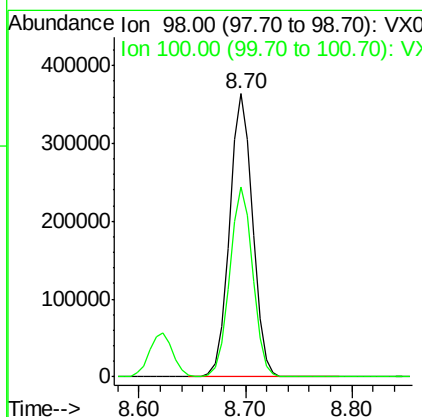
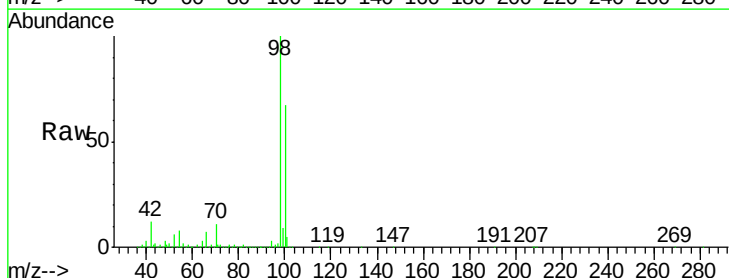
Manual Integrations
APPROVED

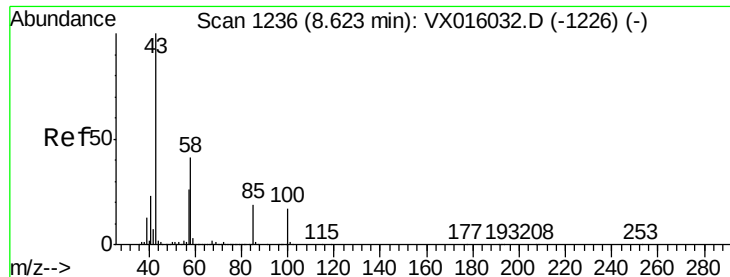
MMDadoda
5/5/2020 11:35:32 AM



#50
Toluene-d8
Concen: 46.598 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016038.D
Acq: 04 May 2020 16:22

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.8	53.7	80.5





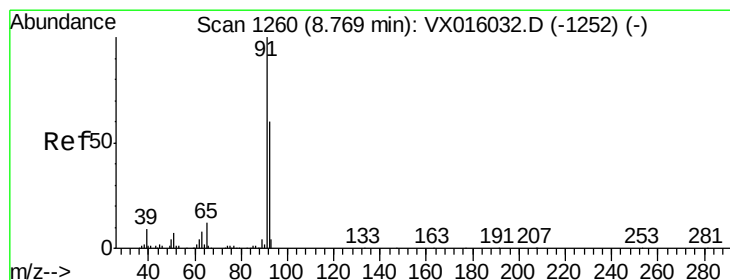
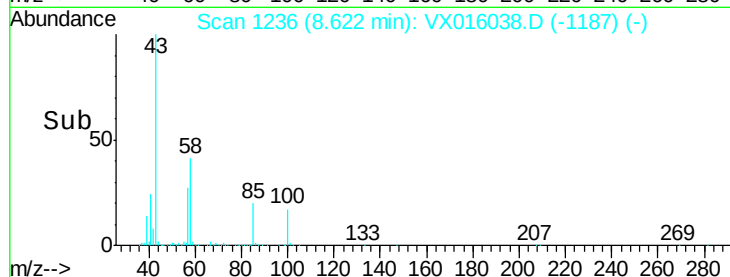
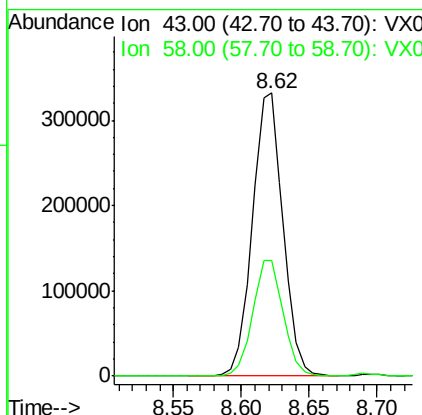
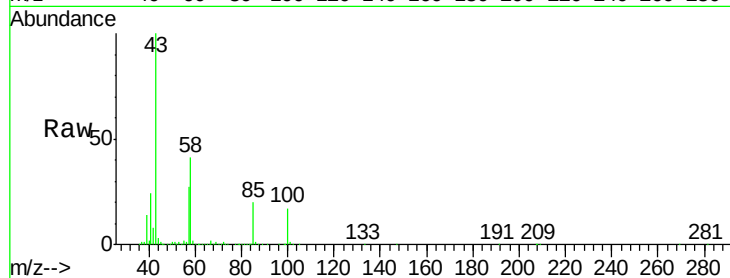
#51
4-Methyl-2-Pentanone
Concen: 96.275 ug/l
RT: 8.62 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VX016038.D
Acq: 04 May 2020 16:22

Instrument :
MSVOA_X
ClientSampleId :
VX0504WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.8	33.0	49.4

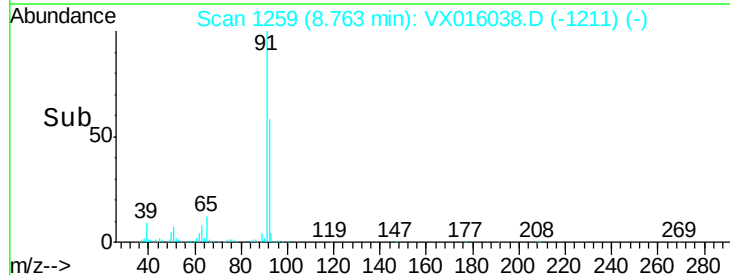
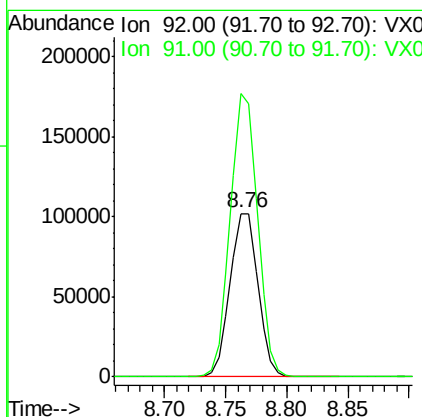
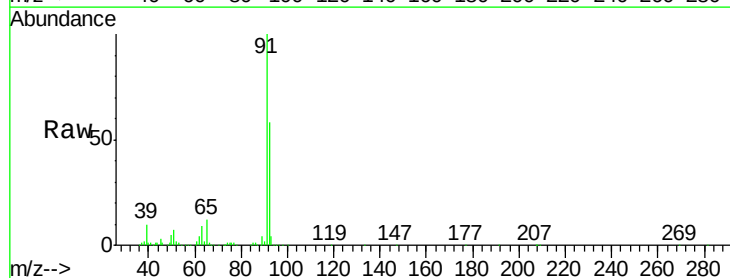
Manual Integrations
APPROVED

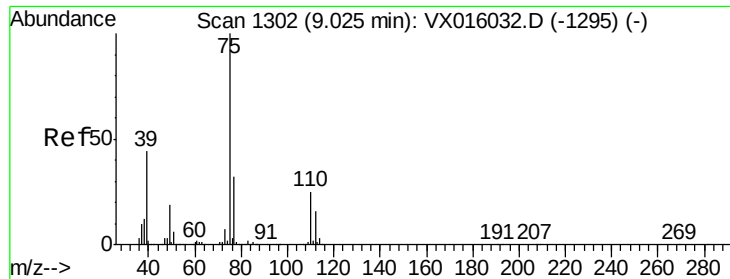
MMDadoda
5/5/2020 11:35:32 AM



#52
Toluene
Concen: 18.444 ug/l
RT: 8.76 min Scan# 1259
Delta R.T. -0.01 min
Lab File: VX016038.D
Acq: 04 May 2020 16:22

Tgt Ion	Ratio	Lower	Upper
92	100		
91	169.7	134.5	201.7





#53

t-1,3-Dichloropropene

Concen: 18.553 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VX016038.D

Acq: 04 May 2020 16:22

Instrument :

MSVOA_X

ClientSampleId :

VX0504WBSD01

Tot Ion: 75 Resp: 108658

Ion Ratio Lower Upper

75 100

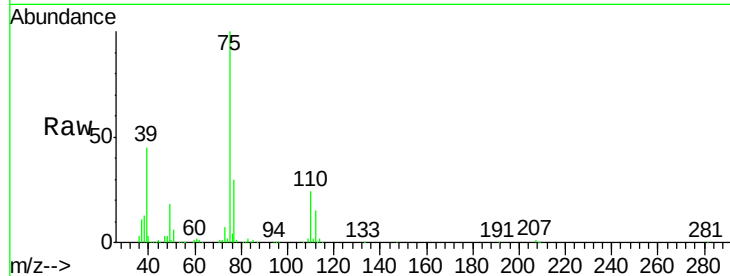
77 30.4 25.7 38.5

Manual Integrations

APPROVED

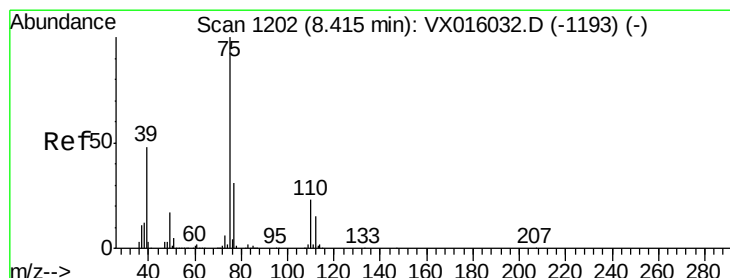
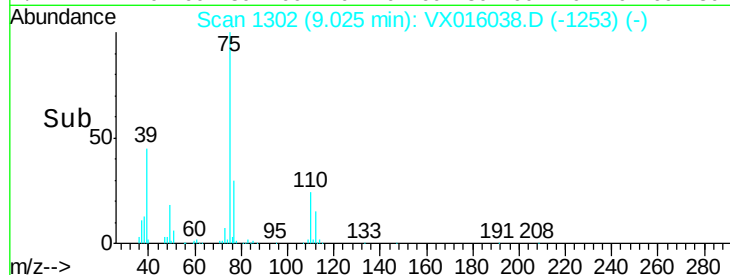
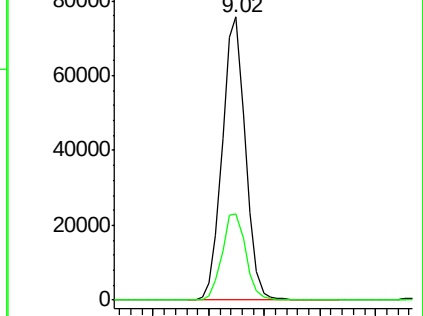
MMDadoda

5/5/2020 11:35:32 AM



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 18.370 ug/l

RT: 8.42 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VX016038.D

Acq: 04 May 2020 16:22

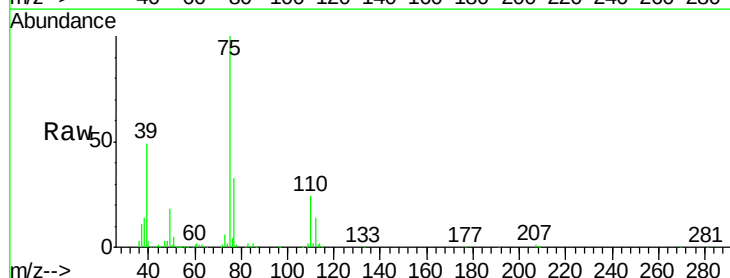
Tgt Ion: 75 Resp: 112376

Ion Ratio Lower Upper

75 100

77 32.6 24.7 37.1

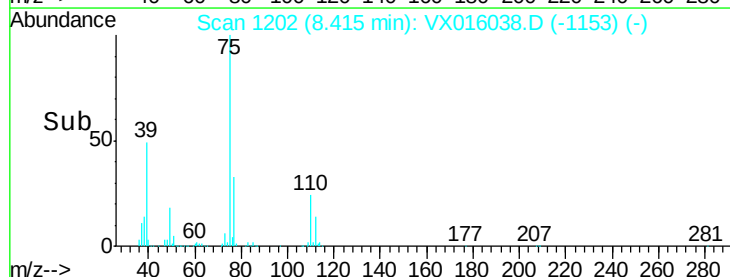
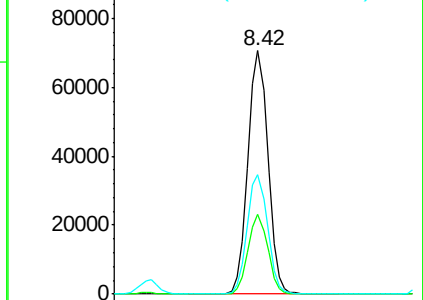
39 48.9 38.7 58.1

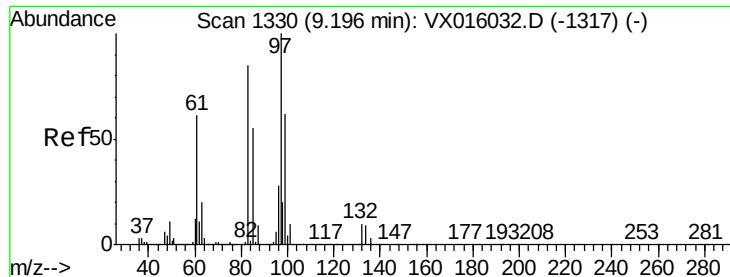


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





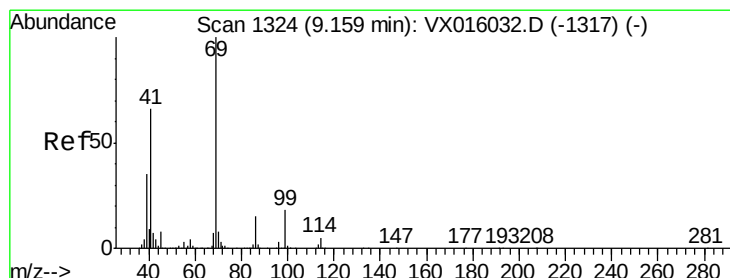
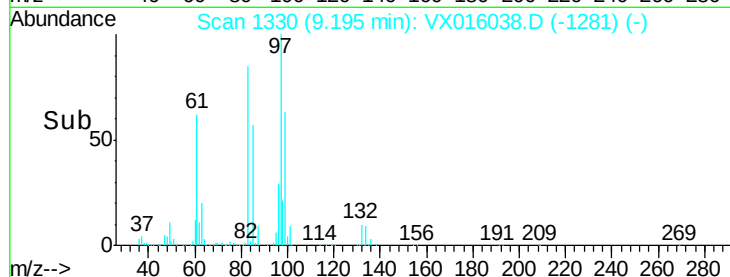
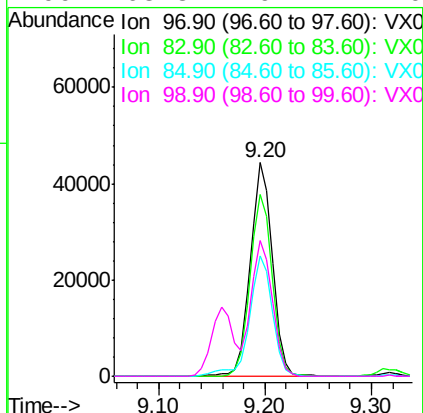
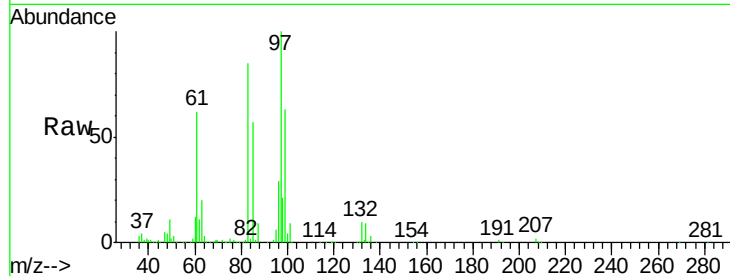
#55
 1,1,2-Trichloroethane
 Concen: 18.797 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VX016038.D
 Acq: 04 May 2020 16:22

Instrument :
 MSVOA_X
 ClientSampled :
 VX0504WBSD01

Tot Ion:	97	Resp:	64654
Ion	Ratio	Lower	Upper
97	100		
83	84.9	67.8	101.8
85	56.6	43.8	65.8
99	63.3	49.4	74.0

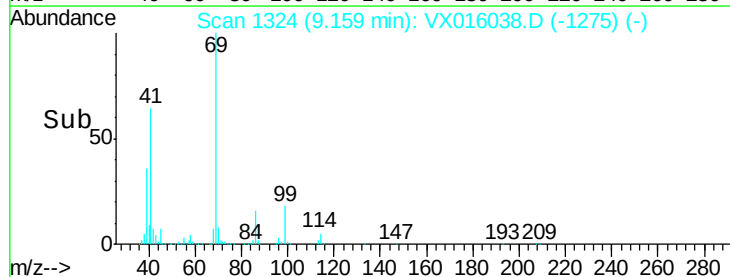
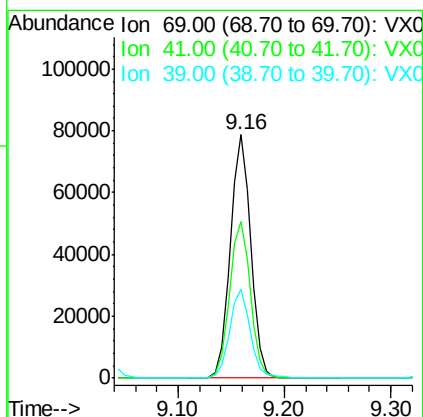
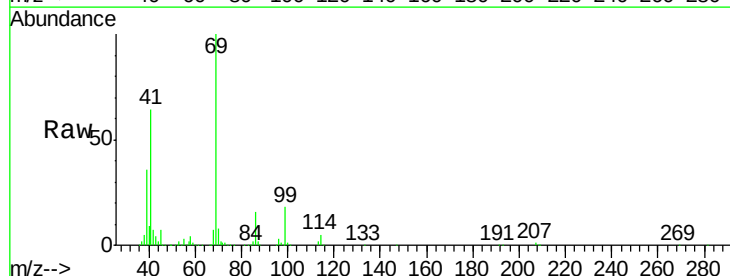
Manual Integrations
 APPROVED

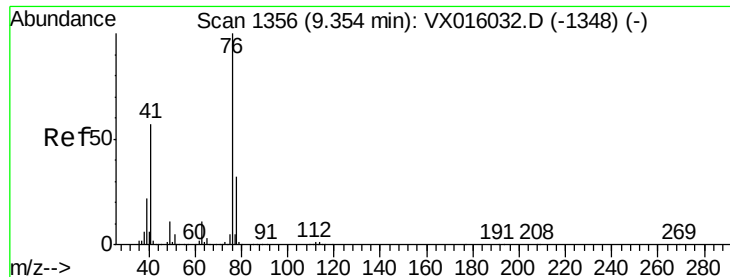
MMDadoda
 5/5/2020 11:35:32 AM



#56
 Ethyl methacrylate
 Concen: 18.971 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VX016038.D
 Acq: 04 May 2020 16:22

Tgt Ion:	69	Resp:	106514
Ion	Ratio	Lower	Upper
69	100		
41	65.3	52.2	78.4
39	36.7	28.2	42.4





#57

1,3-Dichloropropane

Concen: 18.666 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. -0.00 min

Lab File: VX016038.D

Acq: 04 May 2020 16:22

Instrument :

MSVOA_X

ClientSampleId :

VX0504WBSD01

Tot Ion: 76 Resp: 112028

Ion Ratio Lower Upper

76 100

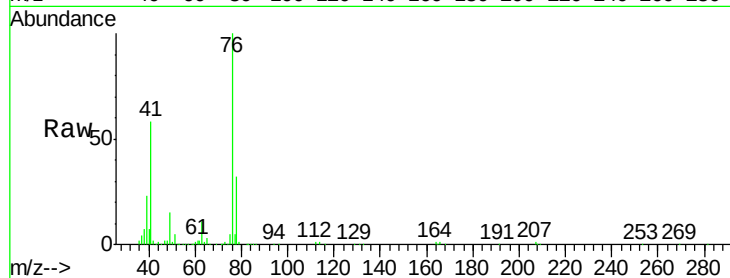
78 32.9 25.9 38.9

Manual Integrations

APPROVED

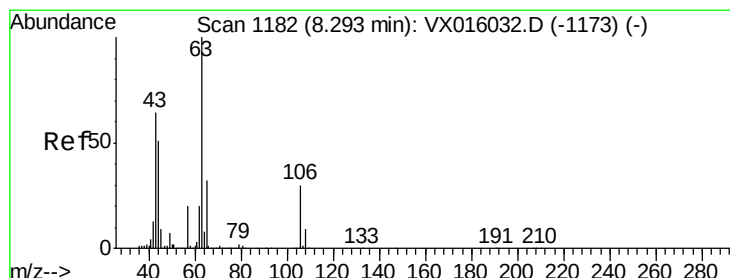
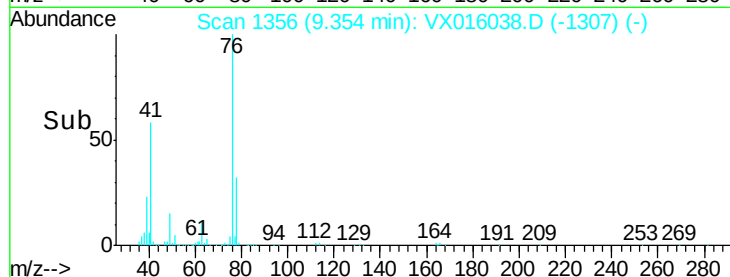
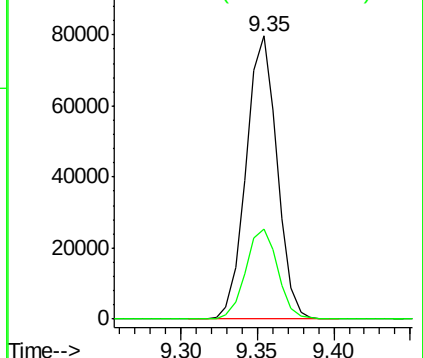
MMDadoda

5/5/2020 11:35:32 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 95.518 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VX016038.D

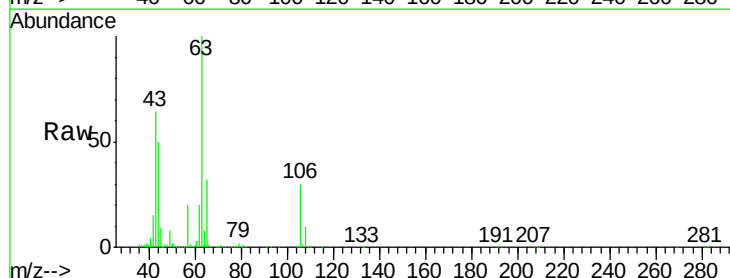
Acq: 04 May 2020 16:22

Tgt Ion: 63 Resp: 285511

Ion Ratio Lower Upper

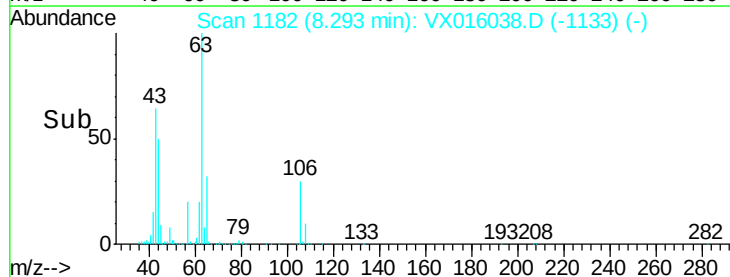
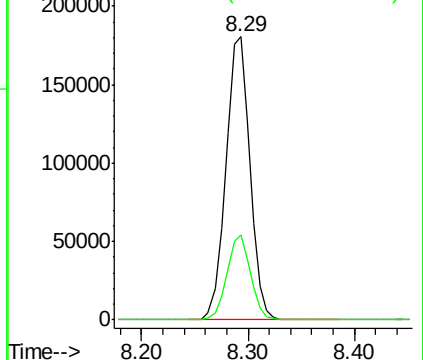
63 100

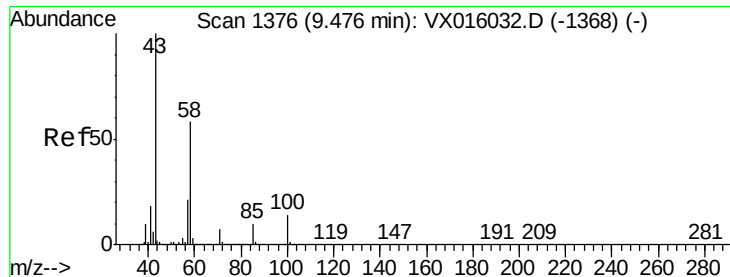
106 29.3 23.4 35.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





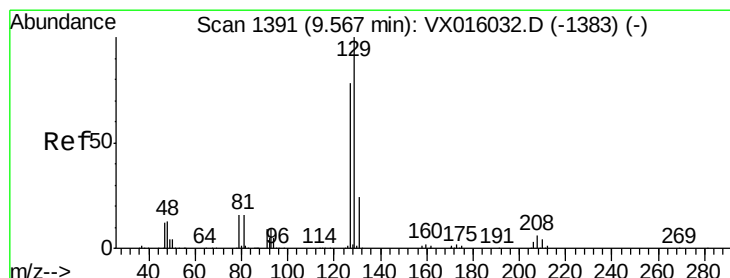
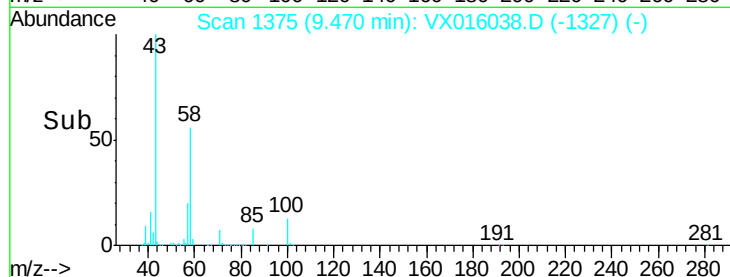
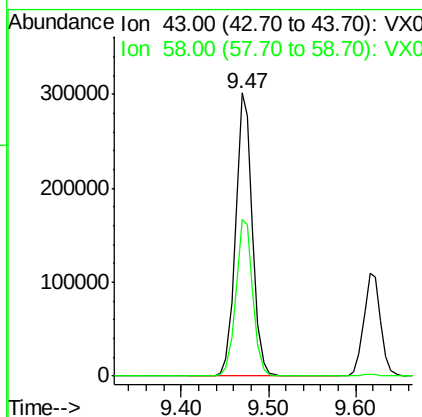
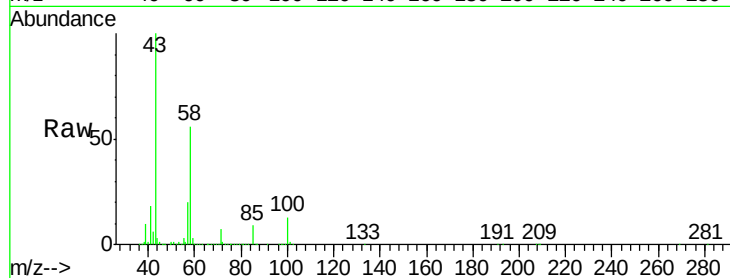
#59
2-Hexanone
Concen: 94.791 ug/l
RT: 9.47 min Scan# 1375
Delta R.T. -0.01 min
Lab File: VX016038.D
Acq: 04 May 2020 16:22

Instrument :
MSVOA_X
ClientSampleId :
VX0504WBSD01

Tot Ion: 43 Resp: 403822
Ion Ratio Lower Upper
43 100
58 56.3 28.6 85.9

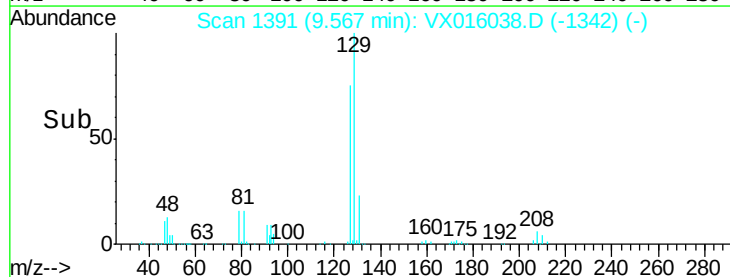
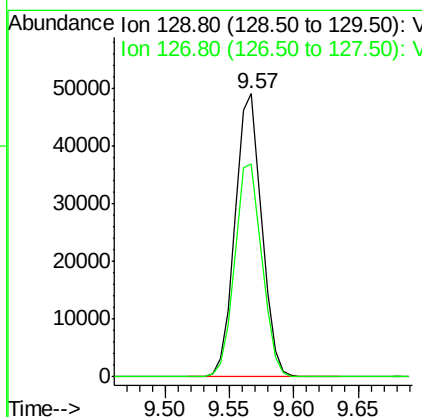
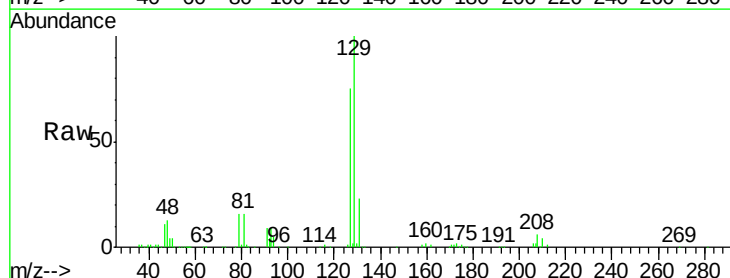
Manual Integrations
APPROVED

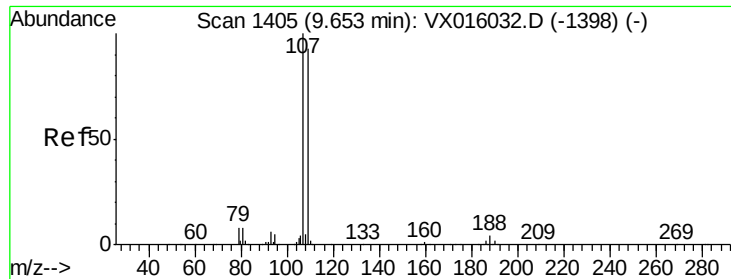
MMDadoda
5/5/2020 11:35:32 AM



#60
Dibromochloromethane
Concen: 18.650 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VX016038.D
Acq: 04 May 2020 16:22

Tgt Ion: 129 Resp: 70653
Ion Ratio Lower Upper
129 100
127 76.9 38.4 115.2





#61

1,2-Dibromoethane

Concen: 18.892 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. -0.00 min

Lab File: VX016038.D

Acq: 04 May 2020 16:22

Instrument :

MSVOA_X

ClientSampleId :

VX0504WBSD01

Tot Ion: 107 Resp: 70387

Ion Ratio Lower Upper

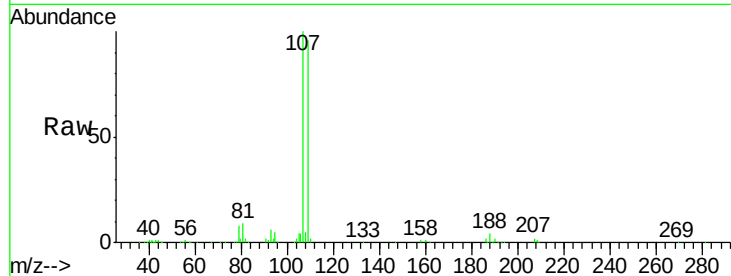
107 100

109 95.5 74.9 112.3

Manual Integrations
APPROVED

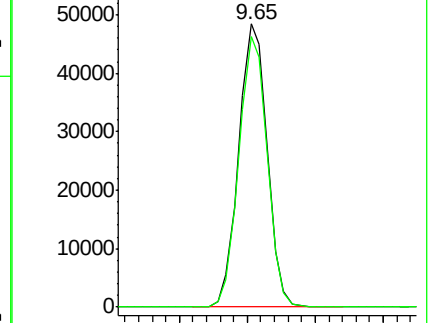
MMDadoda

5/5/2020 11:35:32 AM

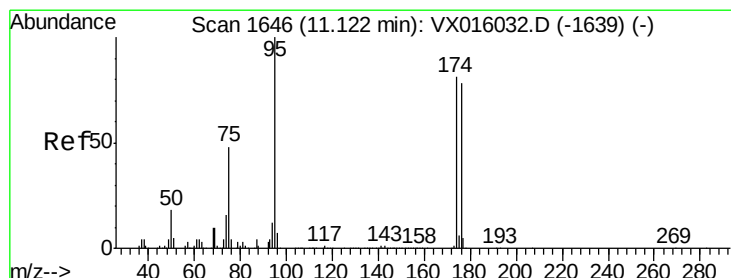
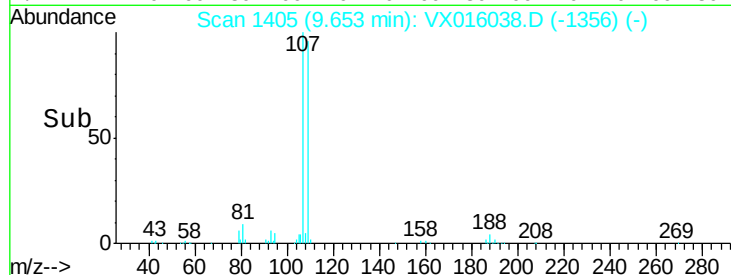


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



Time-->



#62

4-Bromofluorobenzene

Concen: 46.211 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016038.D

Acq: 04 May 2020 16:22

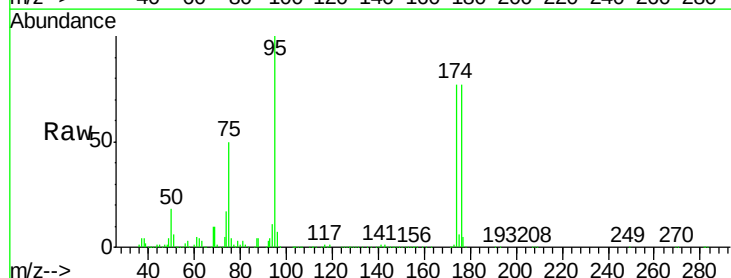
Tgt Ion: 95 Resp: 208943

Ion Ratio Lower Upper

95 100

174 80.4 0.0 159.4

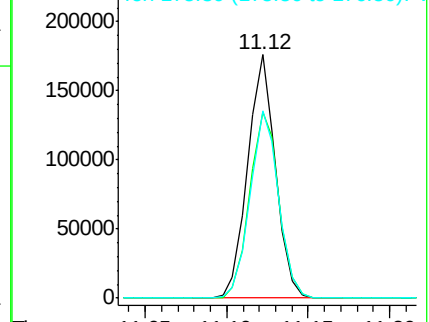
176 79.0 0.0 157.6



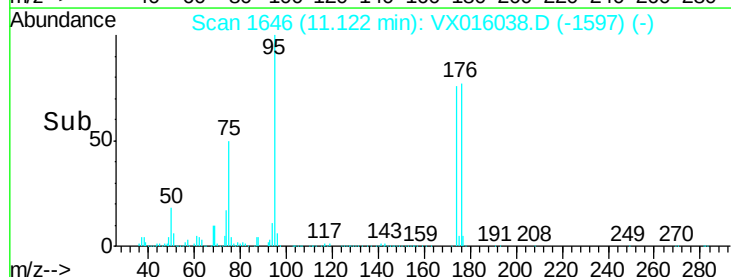
Abundance Ion 94.90 (94.60 to 95.60): VX0

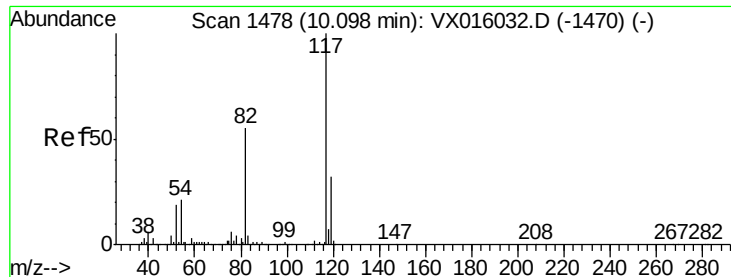
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->





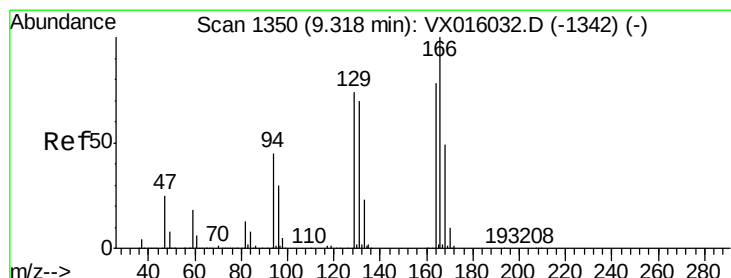
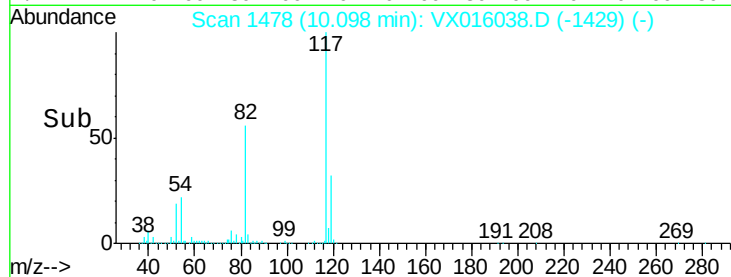
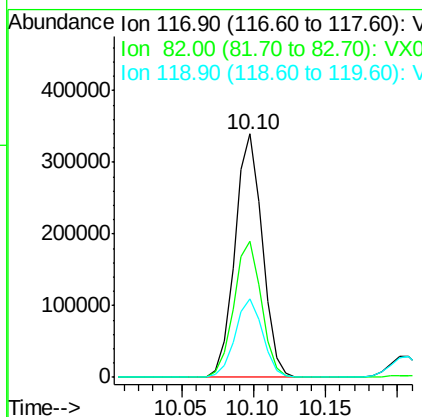
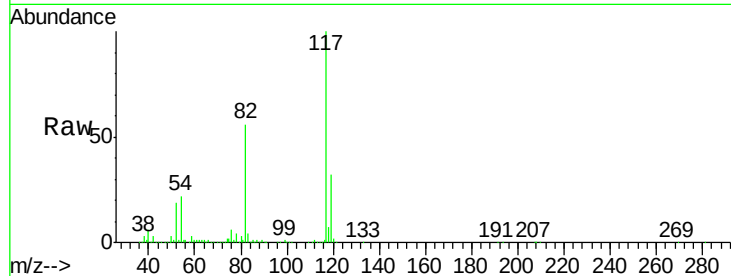
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016038.D
Acq: 04 May 2020 16:22

Instrument :
MSVOA_X
ClientSampleId :
VX0504WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	450665		
82	55.9	44.4	66.6	
119	32.4	25.5	38.3	

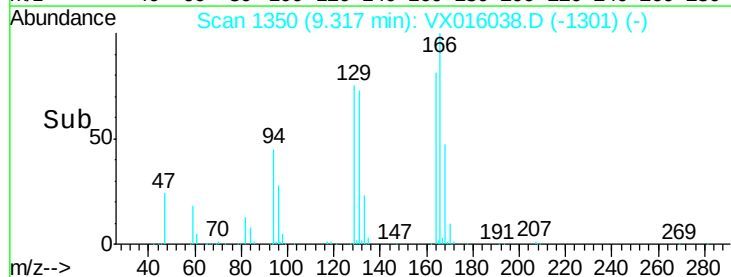
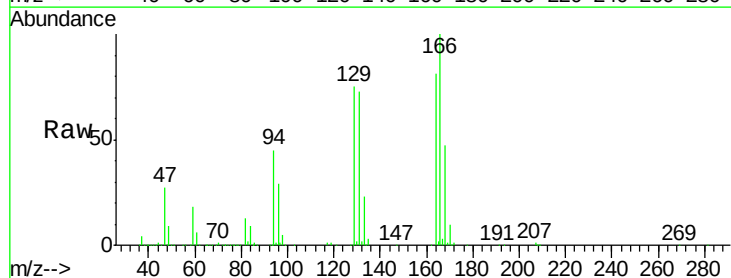
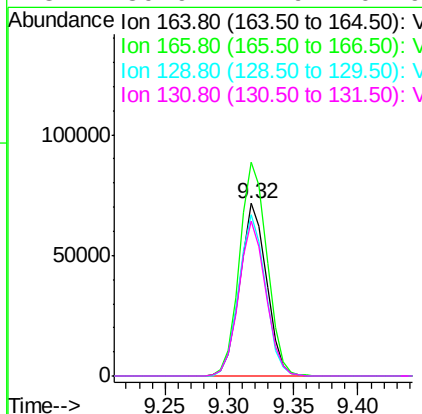
Manual Integrations
APPROVED

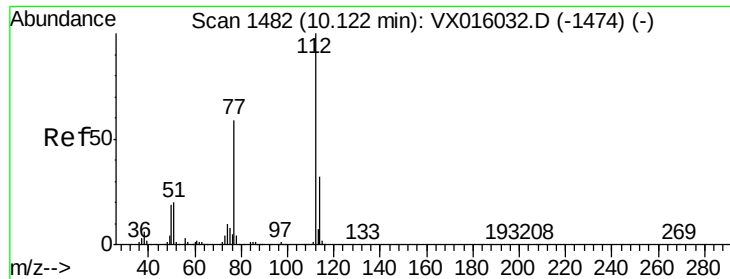
MMDadoda
5/5/2020 11:35:32 AM



#64
Tetrachloroethene
Concen: 18.506 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX016038.D
Acq: 04 May 2020 16:22

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	102382		
166	123.9	102.9	154.3	
129	93.3	76.1	114.1	
131	89.9	71.9	107.9	





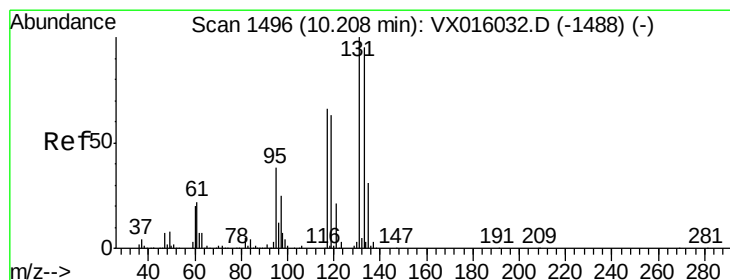
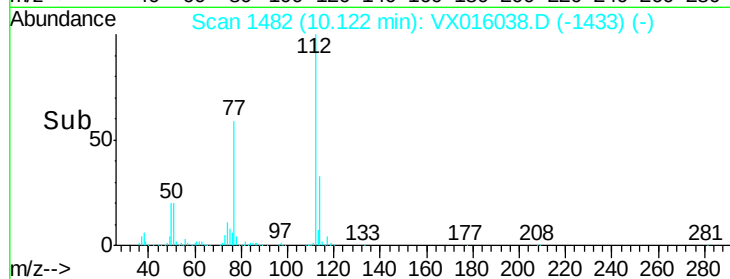
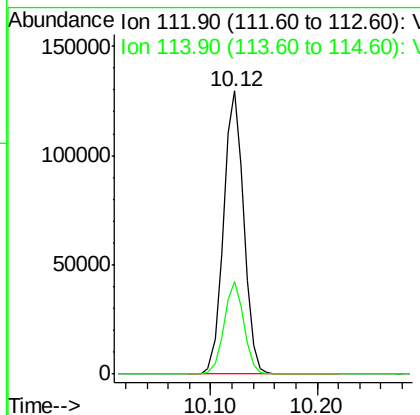
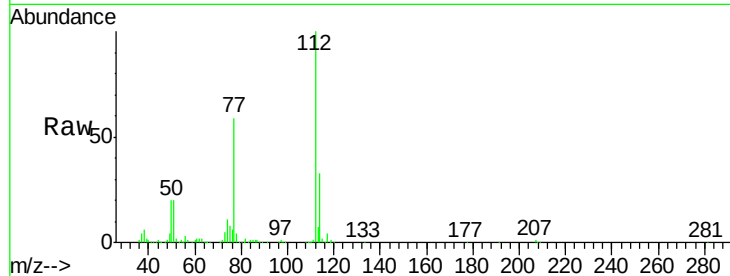
#65
Chlorobenzene
Concen: 18.190 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX016038.D
Acq: 04 May 2020 16:22

Instrument :
MSVOA_X
ClientSampleId :
VX0504WBSD01

Tot Ion:112 Resp: 171653
Ion Ratio Lower Upper
112 100
114 33.0 25.7 38.5

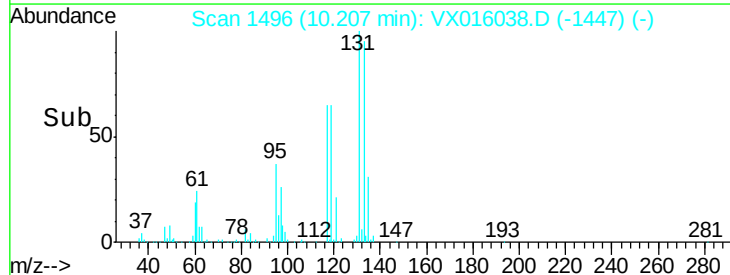
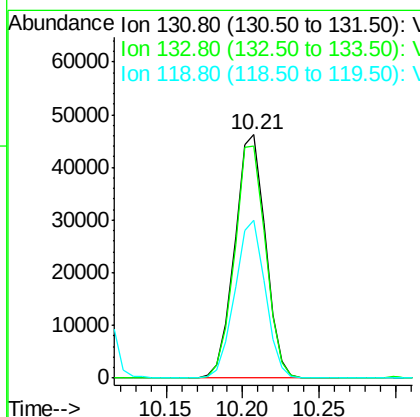
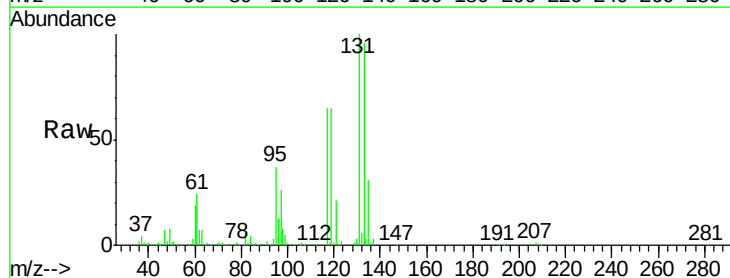
Manual Integrations
APPROVED

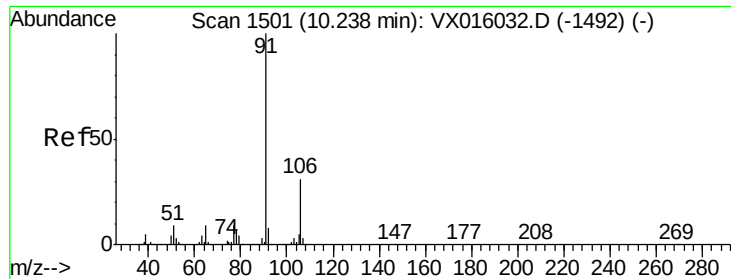
MMDadoda
5/5/2020 11:35:32 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.459 ug/l
RT: 10.21 min Scan# 1496
Delta R.T. -0.00 min
Lab File: VX016038.D
Acq: 04 May 2020 16:22

Tgt Ion:131 Resp: 64380
Ion Ratio Lower Upper
131 100
133 96.1 48.3 144.8
119 64.1 32.3 96.9





#67

Ethyl Benzene

Concen: 18.462 ug/l

RT: 10.24 min Scan# 1501

Delta R.T. -0.00 min

Lab File: VX016038.D

Acq: 04 May 2020 16:22

Instrument :

MSVOA_X

ClientSampled :

VX0504WBSD01

Tot Ion: 91 Resp: 310844

Ion Ratio Lower Upper

91 100

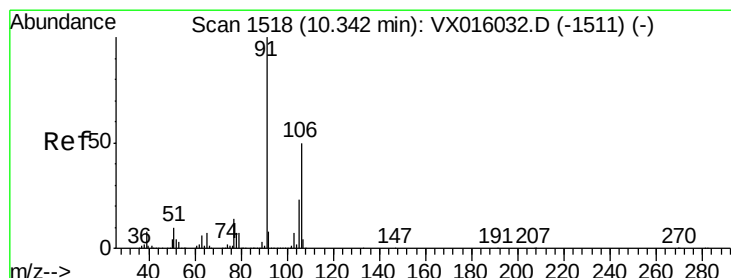
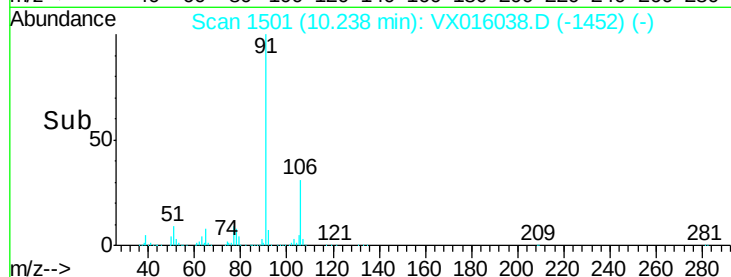
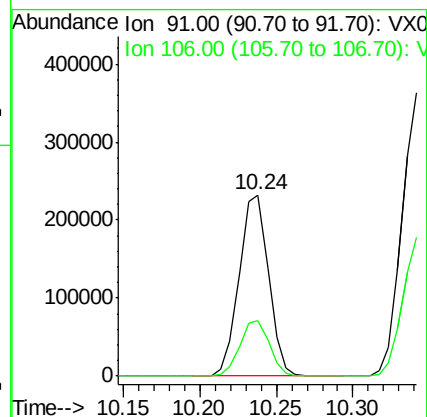
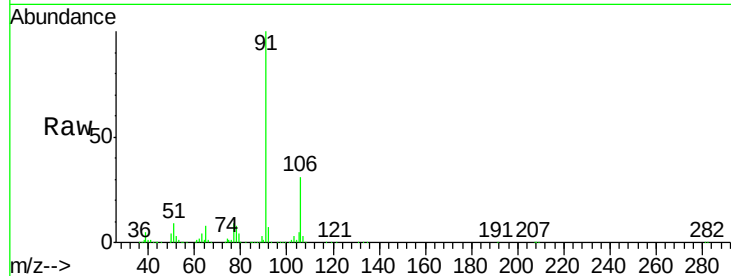
106 30.7 25.1 37.7

Manual Integrations

APPROVED

MMDadoda

5/5/2020 11:35:32 AM



#68

m/p-Xylenes

Concen: 37.111 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX016038.D

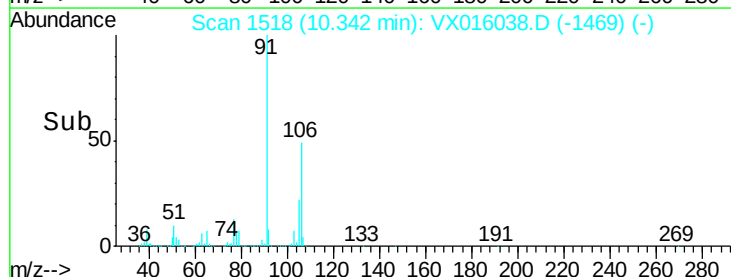
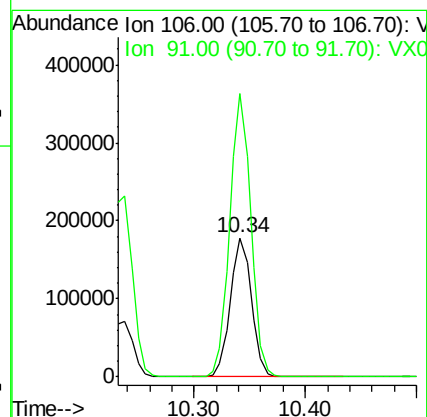
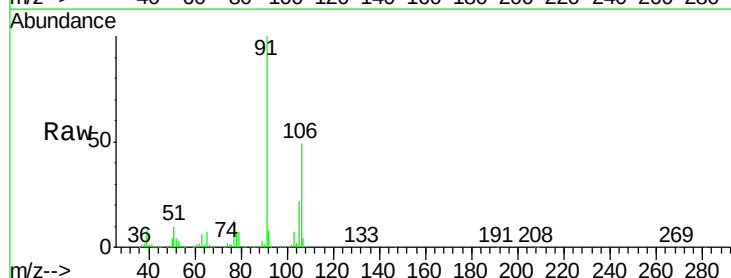
Acq: 04 May 2020 16:22

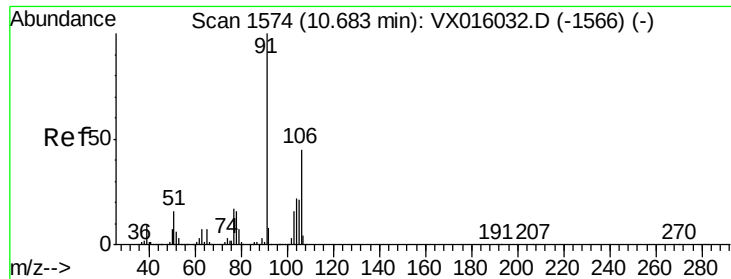
Tgt Ion: 106 Resp: 234102

Ion Ratio Lower Upper

106 100

91 202.8 161.7 242.5





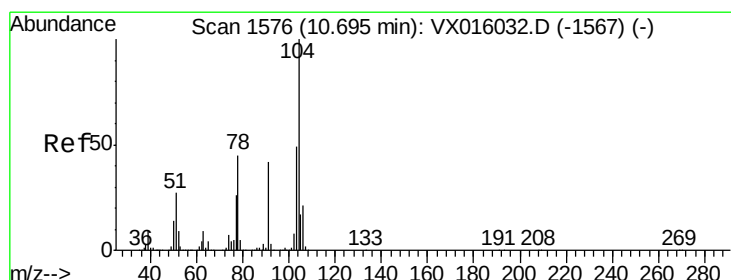
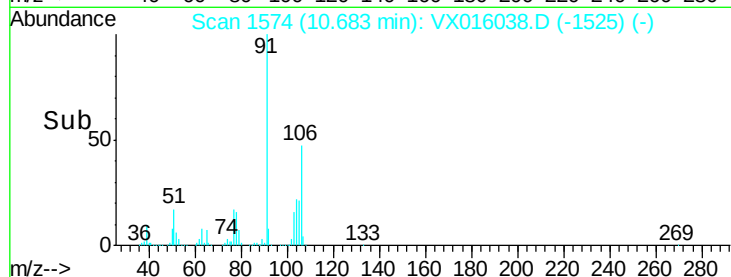
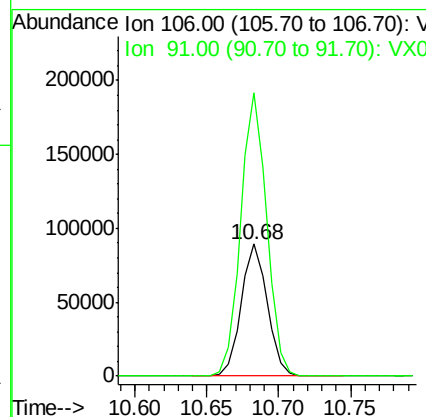
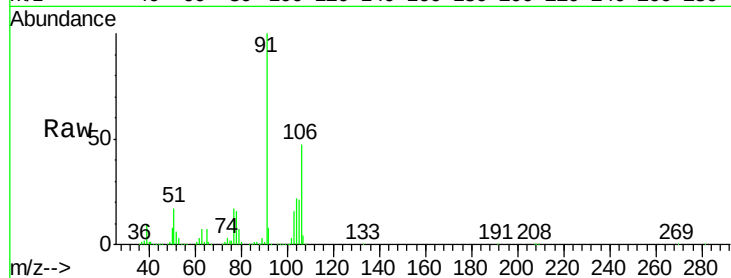
#69
o-Xylene
Concen: 18.568 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX016038.D
Acq: 04 May 2020 16:22

Instrument :
MSVOA_X
ClientSampled :
VX0504WBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	213.0	107.5	322.6

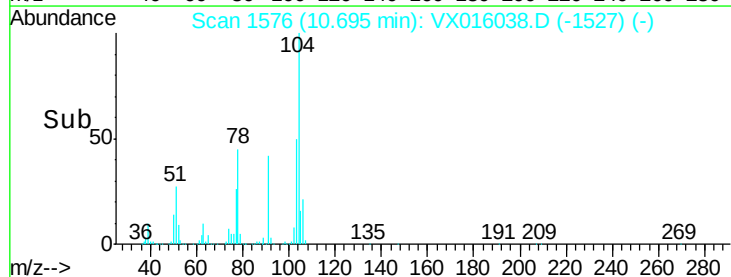
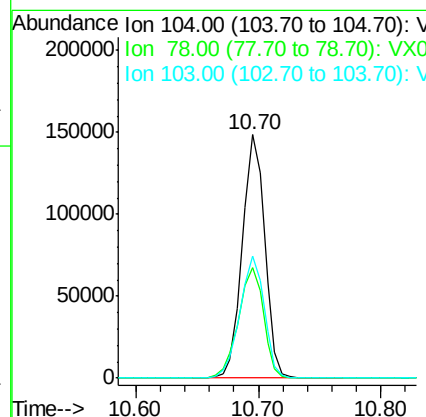
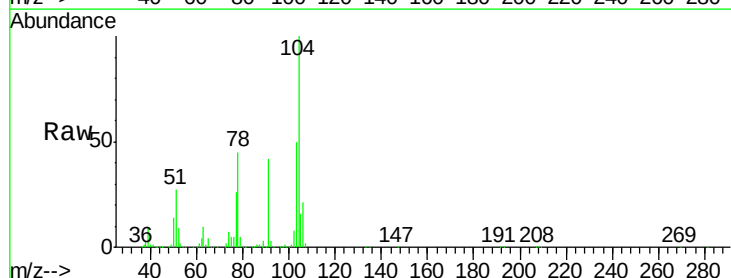
Manual Integrations
APPROVED

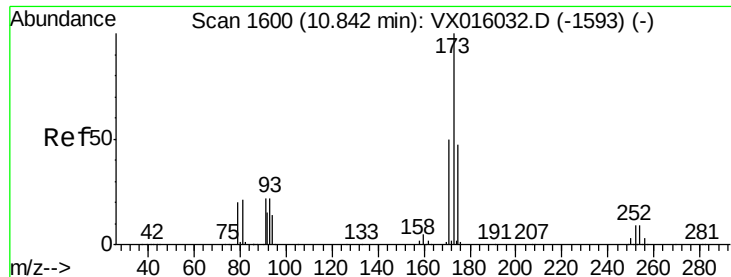
MMDadoda
5/5/2020 11:35:32 AM



#70
Styrene
Concen: 18.290 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX016038.D
Acq: 04 May 2020 16:22

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.7	40.2	60.2
103	54.4	43.0	64.6





#71

Bromoform

Concen: 18.024 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VX016038.D

Acq: 04 May 2020 16:22

Instrument :

MSVOA_X

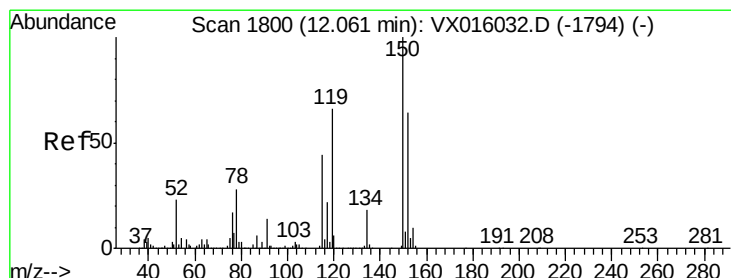
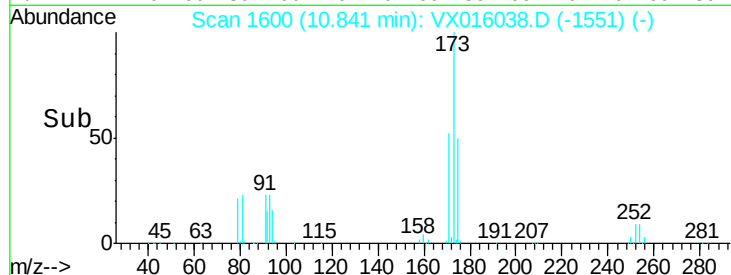
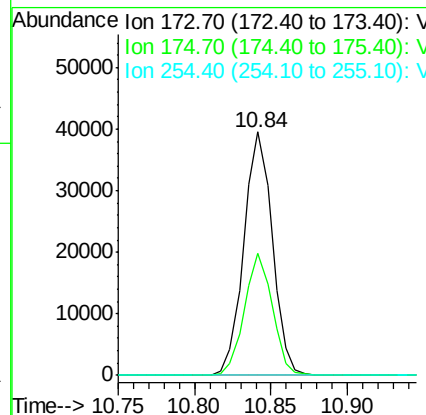
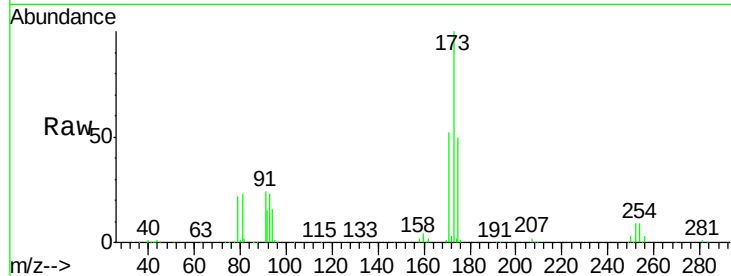
ClientSampleId :

VX0504WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.0	72.0
254	0.1	0.1	0.1

Manual Integrations
APPROVED

MMDadoda
5/5/2020 11:35:32 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

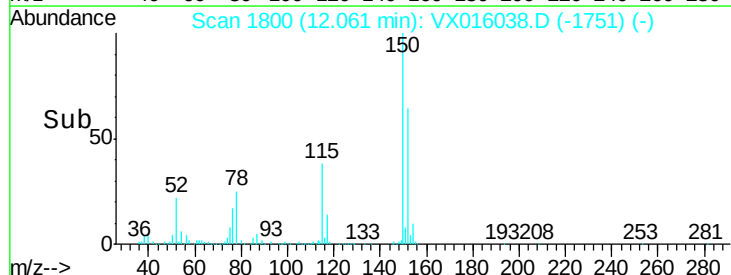
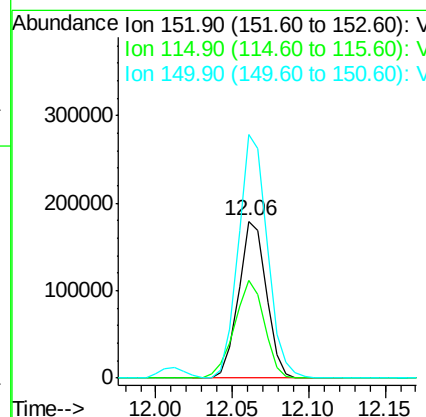
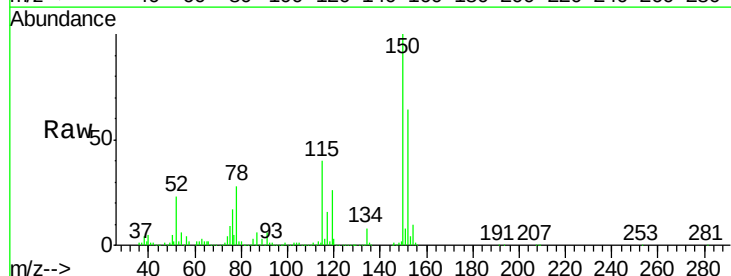
RT: 12.06 min Scan# 1800

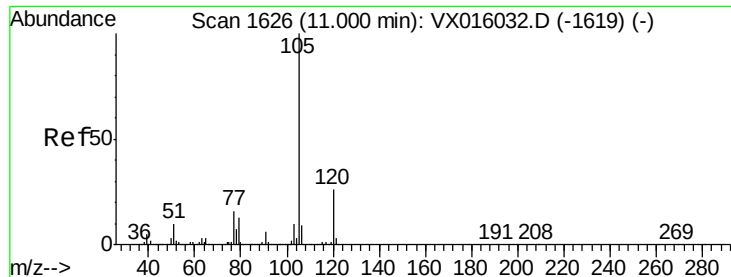
Delta R.T. -0.00 min

Lab File: VX016038.D

Acq: 04 May 2020 16:22

Tgt Ion	Ratio	Lower	Upper
152	100		
115	67.4	41.3	124.1
150	162.4	0.0	352.2





#73

Isopropylbenzene

Concen: 18.390 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX016038.D

Acq: 04 May 2020 16:22

Instrument :

MSVOA_X

ClientSampled :

VX0504WBSD01

Tot Ion:105 Resp: 301318

Ion Ratio Lower Upper

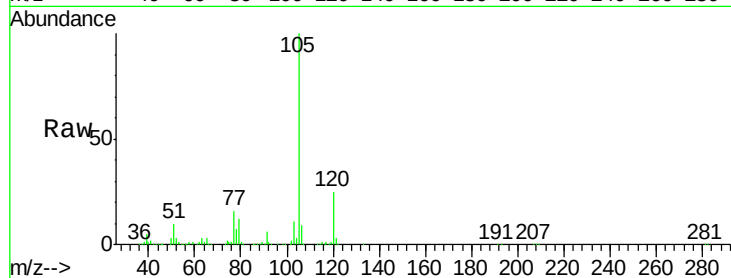
105 100

120 26.2 13.4 40.2

Manual Integrations
APPROVED

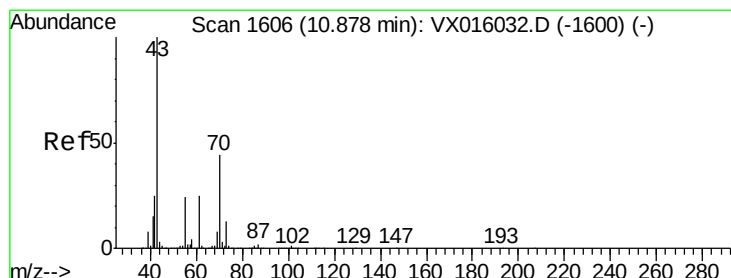
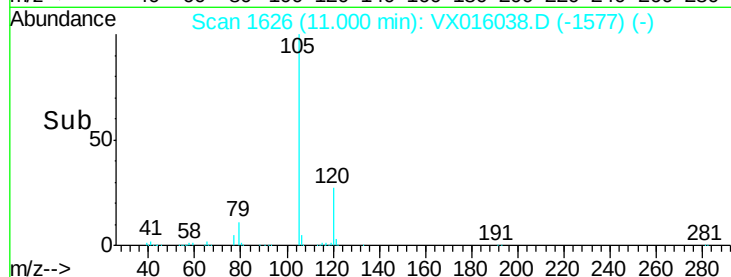
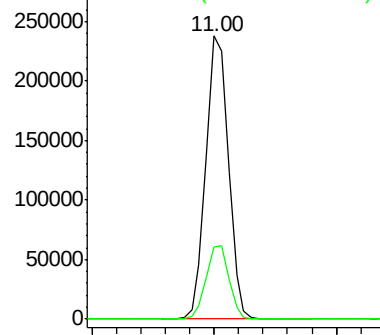
MMDadoda

5/5/2020 11:35:32 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.920 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. -0.00 min

Lab File: VX016038.D

Acq: 04 May 2020 16:22

Tgt Ion: 43 Resp: 144593

Ion Ratio Lower Upper

43 100

70 43.3 36.5 54.7

55 24.1 19.7 29.5

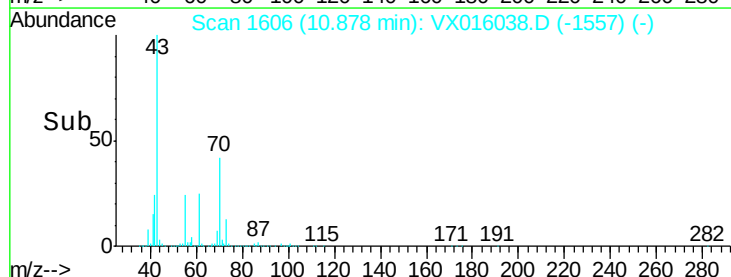
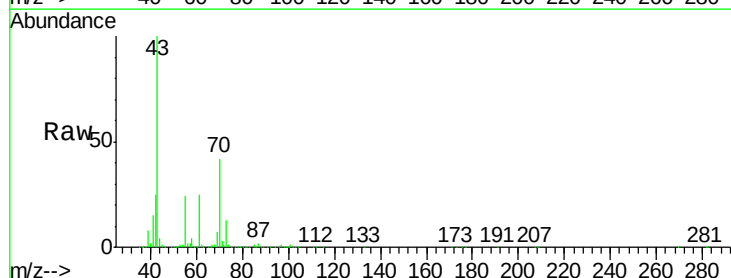
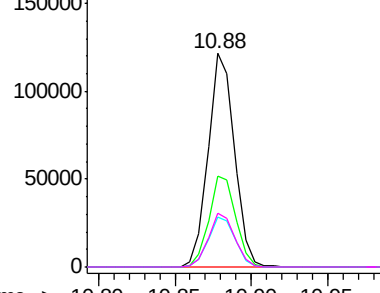
61 25.3 20.9 31.3

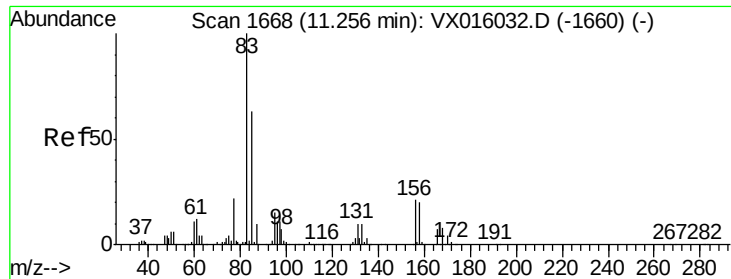
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 18.272 ug/l

RT: 11.26 min Scan# 1668

Delta R.T. 0.00 min

Lab File: VX016038.D

Acq: 04 May 2020 16:22

Instrument :

MSVOA_X

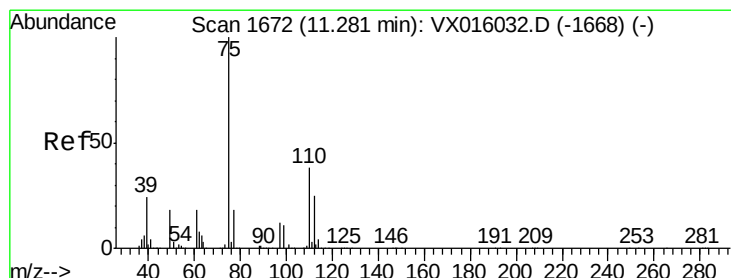
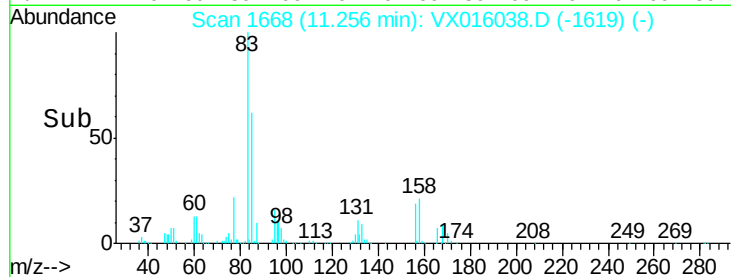
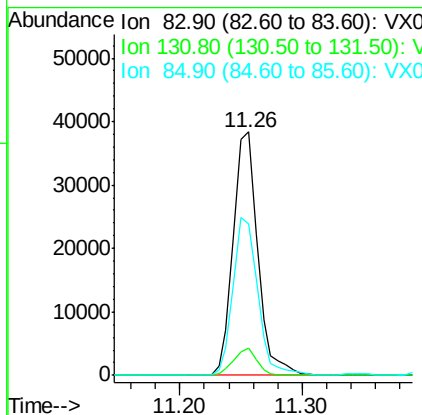
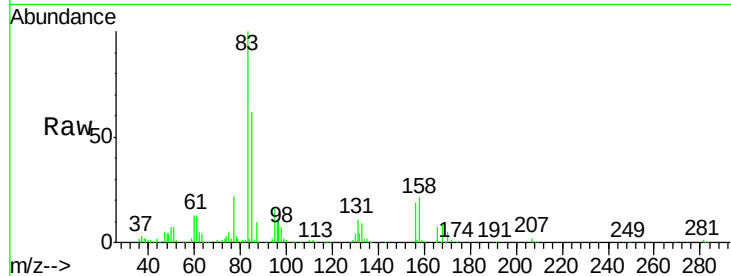
ClientSampleId :

VX0504WBSD01

Tot Ion:	83	Resp:	53121
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.1	15.4
85	65.4	32.0	96.0

Manual Integrations
APPROVED

MMDadoda
5/5/2020 11:35:32 AM



#76

1,2,3-Trichloropropane

Concen: 18.666 ug/l m

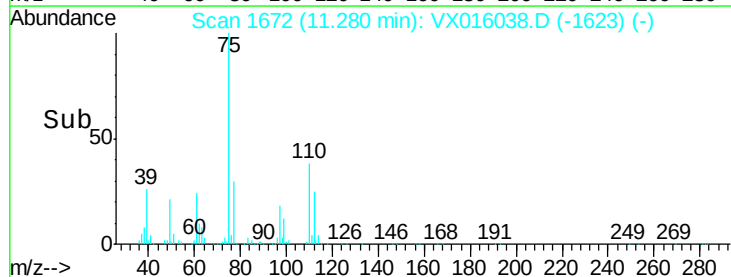
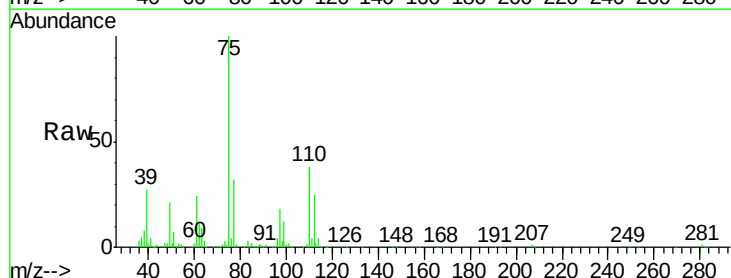
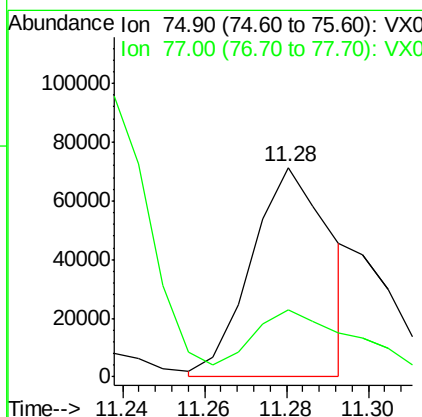
RT: 11.28 min Scan# 1672

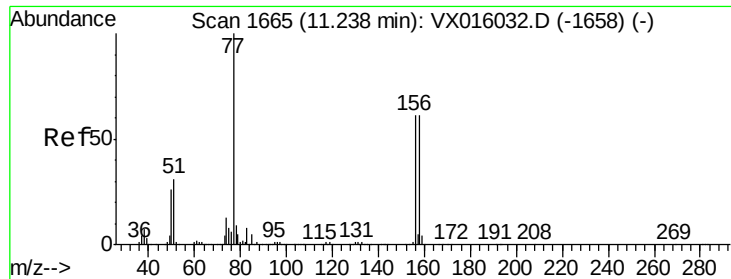
Delta R.T. -0.00 min

Lab File: VX016038.D

Acq: 04 May 2020 16:22

Tgt Ion:	75	Resp:	95420
Ion Ratio	Lower	Upper	
75	100		
77	42.8	21.2	63.6





#77

Bromobenzene

Concen: 17.769 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VX016038.D

Acq: 04 May 2020 16:22

Instrument :

MSVOA_X

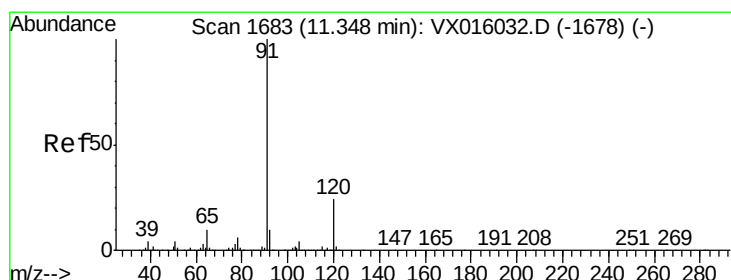
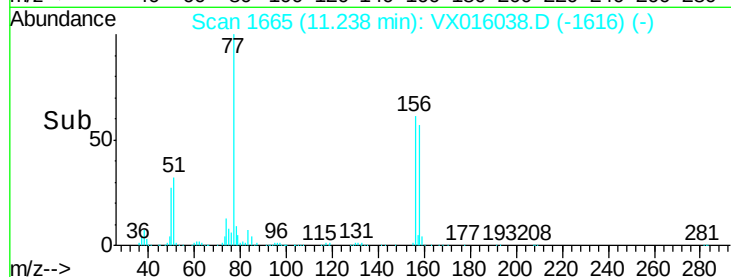
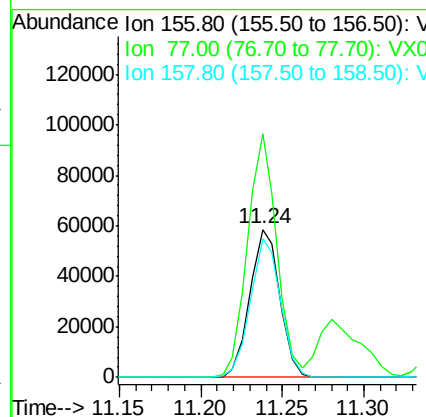
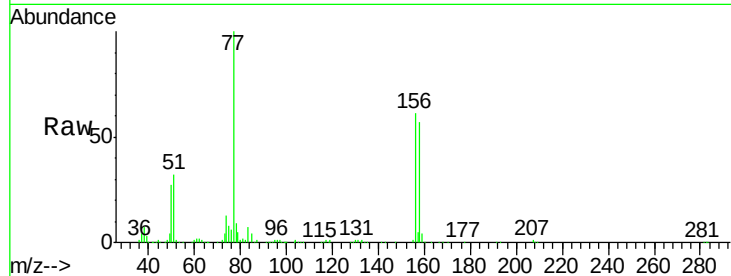
ClientSampleId :

VX0504WBSD01

Tot Ion:	156	Resp:	75147
Ion	Ratio	Lower	Upper
156	100		
77	160.2	80.1	240.3
158	94.4	49.4	148.2

Manual Integrations
APPROVED

MMDadoda
5/5/2020 11:35:32 AM



#78

n-propylbenzene

Concen: 17.995 ug/l

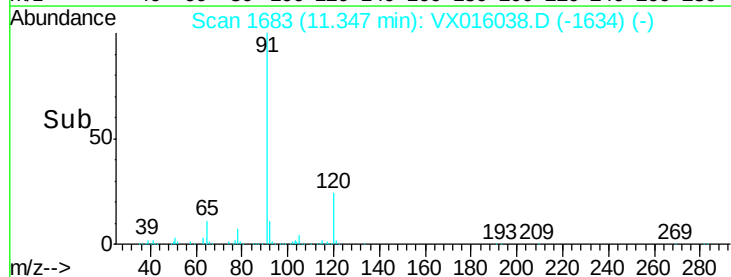
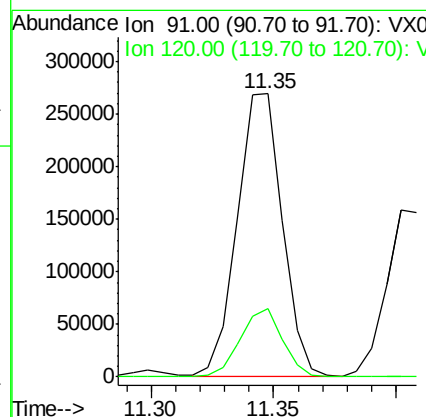
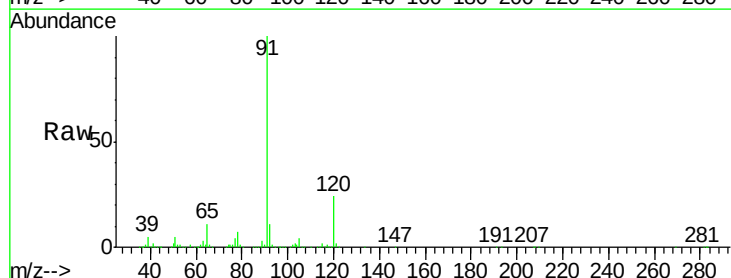
RT: 11.35 min Scan# 1683

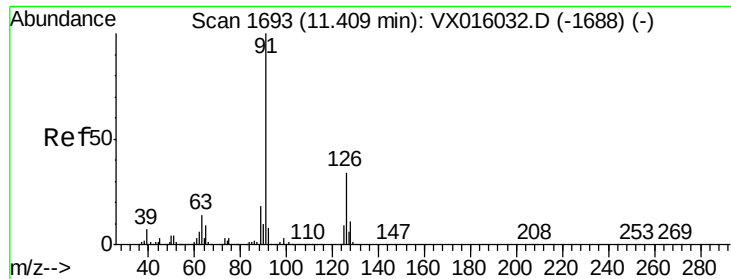
Delta R.T. -0.00 min

Lab File: VX016038.D

Acq: 04 May 2020 16:22

Tgt Ion:	91	Resp:	342998
Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.5	34.5





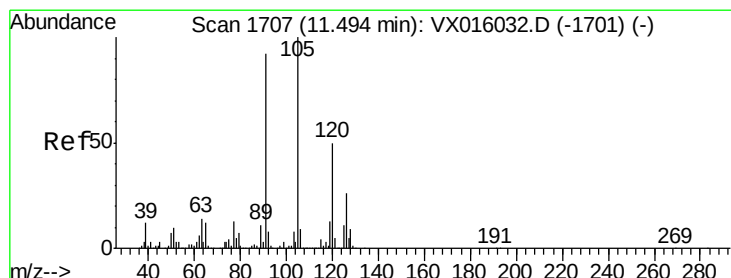
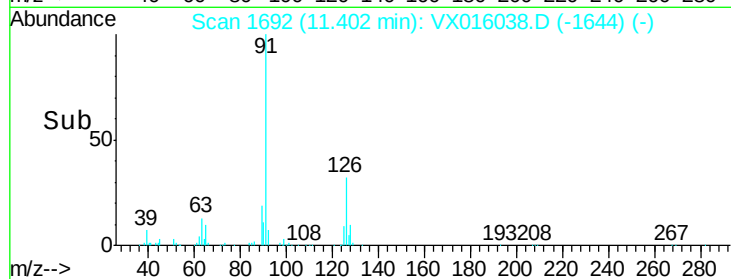
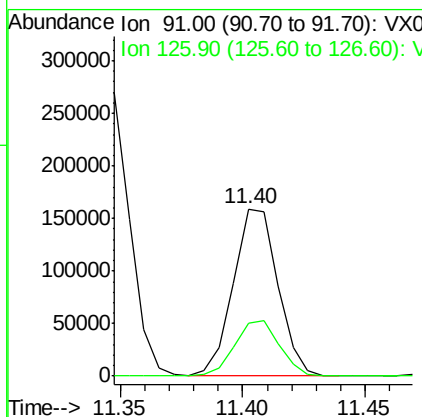
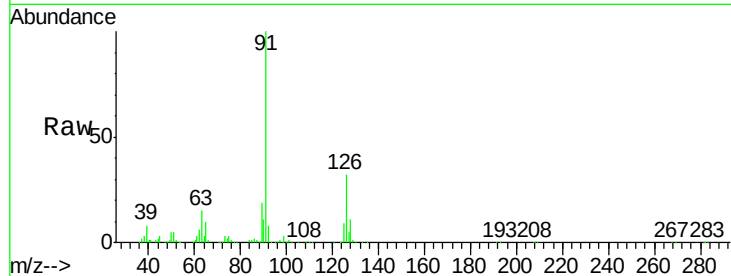
#79
 2-Chlorotoluene
 Concen: 18.007 ug/l
 RT: 11.40 min Scan# 1692
 Delta R.T. -0.01 min
 Lab File: VX016038.D
 Acq: 04 May 2020 16:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0504WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
126	33.4	16.9	50.6

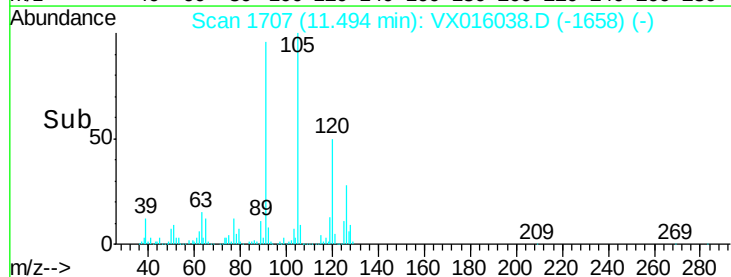
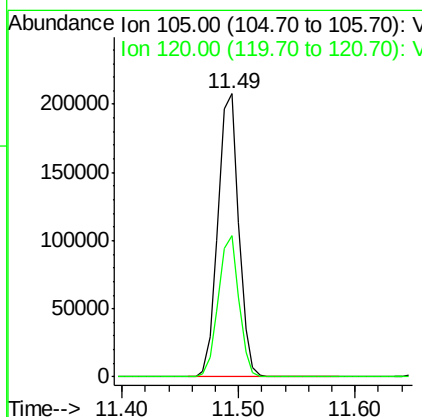
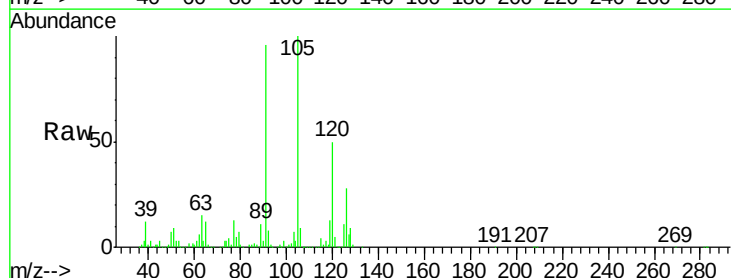
Manual Integrations
 APPROVED

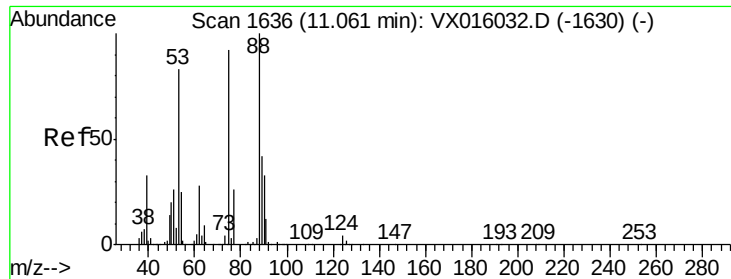
MMDadoda
 5/5/2020 11:35:32 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 18.428 ug/l
 RT: 11.49 min Scan# 1707
 Delta R.T. -0.00 min
 Lab File: VX016038.D
 Acq: 04 May 2020 16:22

Tgt Ion	Ratio	Lower	Upper
105	100		
120	49.5	24.6	74.0





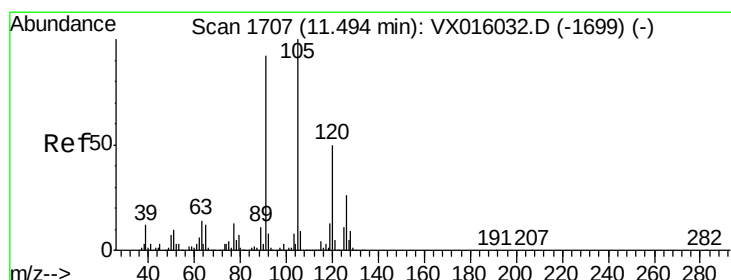
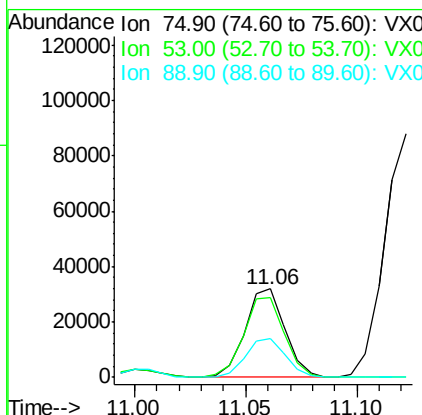
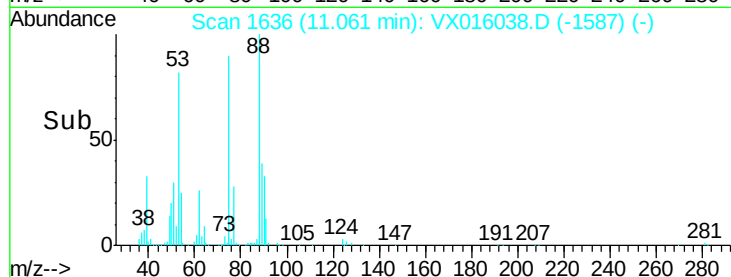
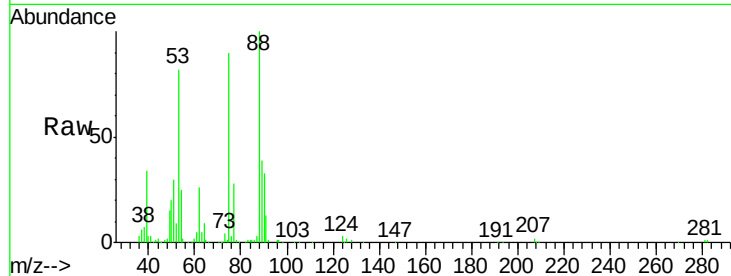
#81
trans-1,4-Dichloro-2-butene
Concen: 18.463 ug/l
RT: 11.06 min Scan# 1636
Delta R.T. -0.00 min
Lab File: VX016038.D
Acq: 04 May 2020 16:22

Instrument :
MSVOA_X
ClientSampleId :
VX0504WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.9	73.1	109.7
89	45.0	36.7	55.1

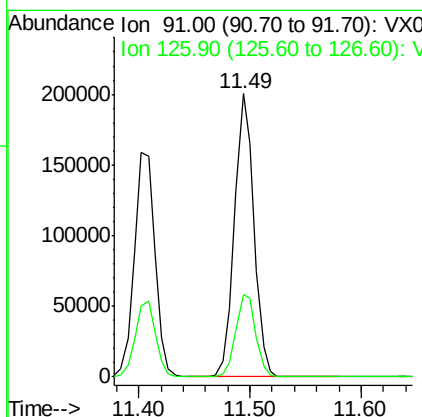
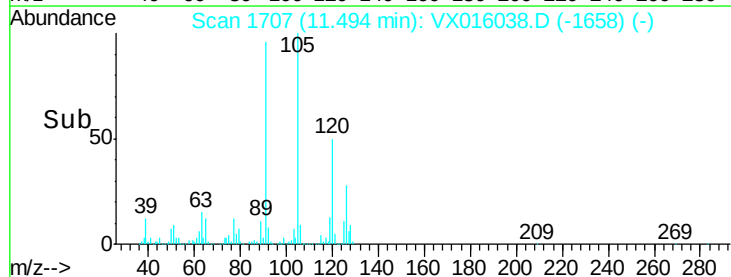
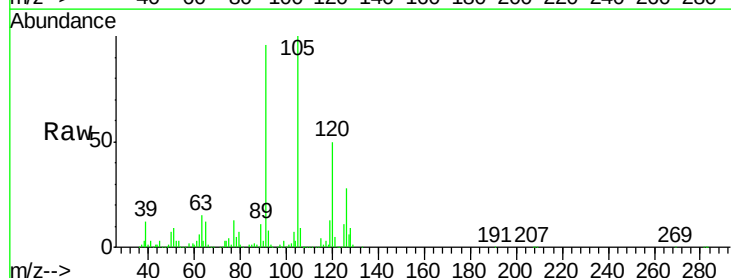
Manual Integrations
APPROVED

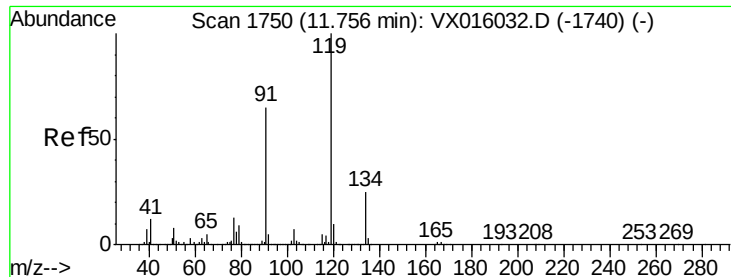
MMDadoda
5/5/2020 11:35:32 AM



#82
4-Chlorotoluene
Concen: 18.175 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VX016038.D
Acq: 04 May 2020 16:22

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.1	14.8	44.3





#83

tert-Butylbenzene

Concen: 18.014 ug/l

RT: 11.76 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX016038.D

Acq: 04 May 2020 16:22

Instrument :

MSVOA_X

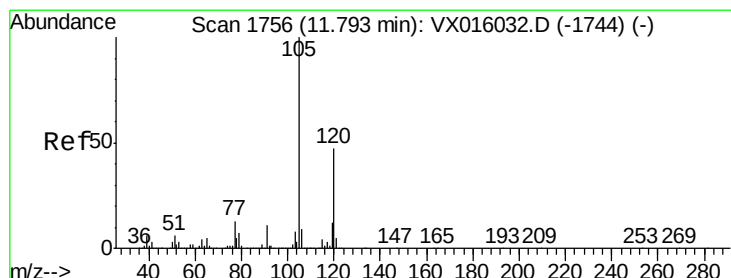
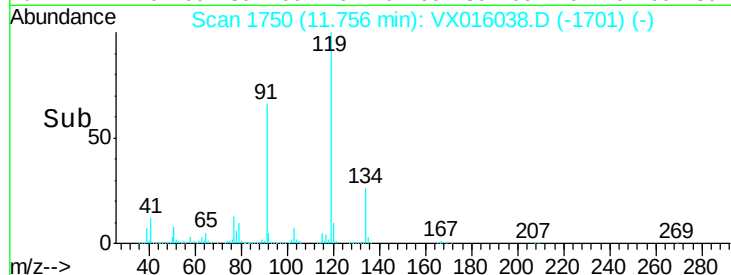
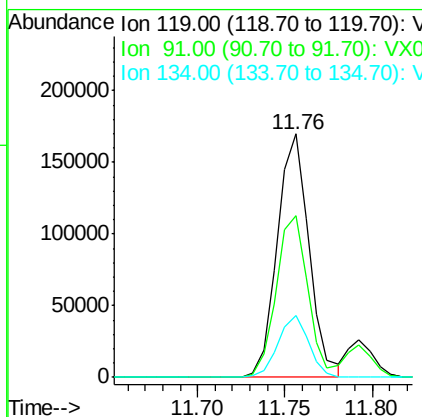
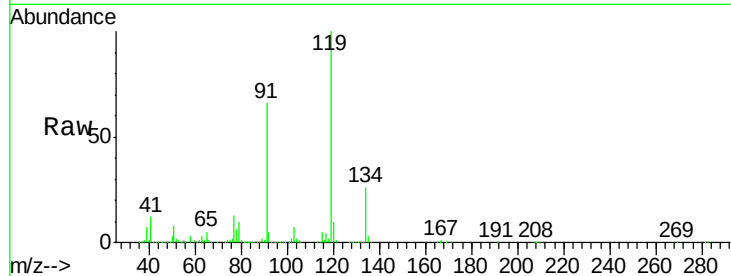
ClientSampleId :

VX0504WBSD01

Tot Ion:	119	Resp:	214770
Ion Ratio	Lower	Upper	
119	100		
91	66.0	32.8	98.4
134	24.6	12.4	37.0

Manual Integrations
APPROVED

MMDadoda
5/5/2020 11:35:32 AM



#84

1,2,4-Trimethylbenzene

Concen: 18.029 ug/l

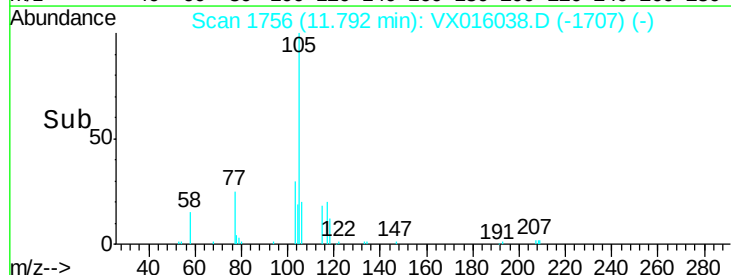
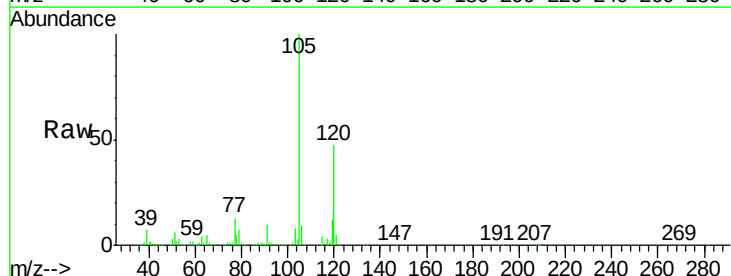
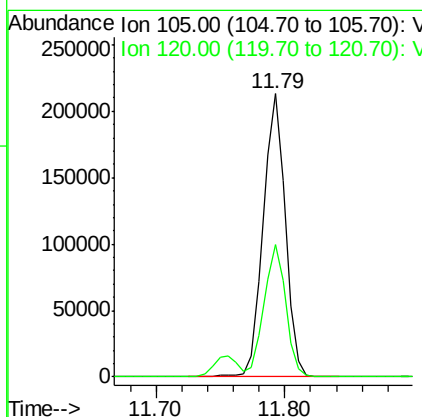
RT: 11.79 min Scan# 1756

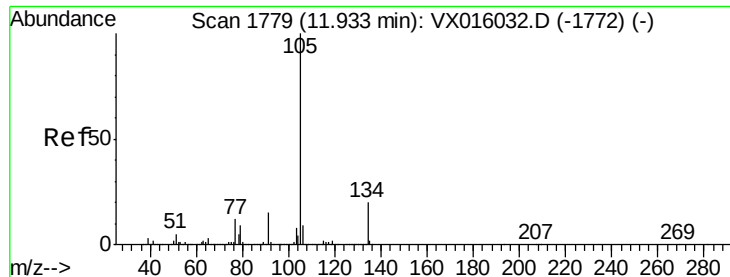
Delta R.T. -0.00 min

Lab File: VX016038.D

Acq: 04 May 2020 16:22

Tgt Ion:	105	Resp:	252150
Ion Ratio	Lower	Upper	
105	100		
120	46.1	23.0	69.0





#85

sec-Butylbenzene

Concen: 18.100 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VX016038.D

Acq: 04 May 2020 16:22

Instrument :

MSVOA_X

ClientSampled :

VX0504WBSD01

Tot Ion:105 Resp: 291361

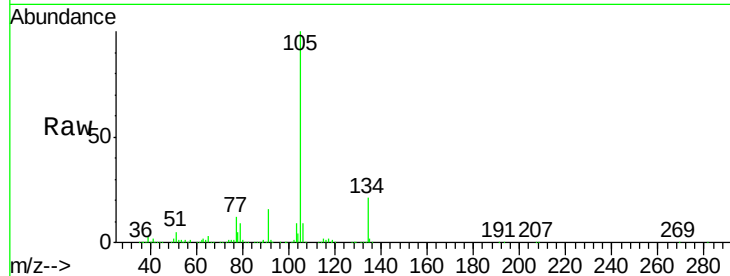
Ion Ratio Lower Upper

105 100

134 20.4 10.1 30.3

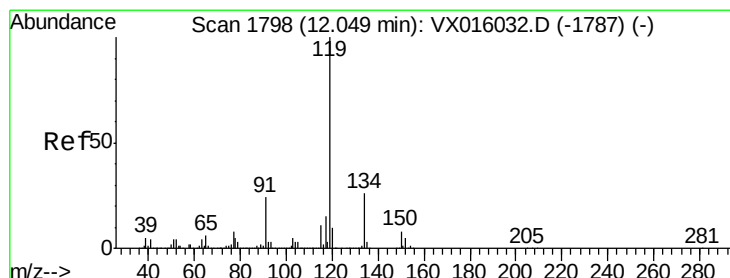
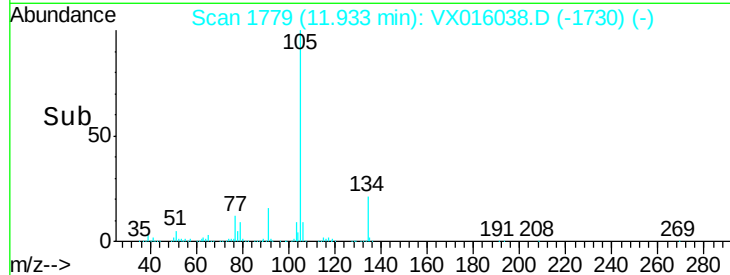
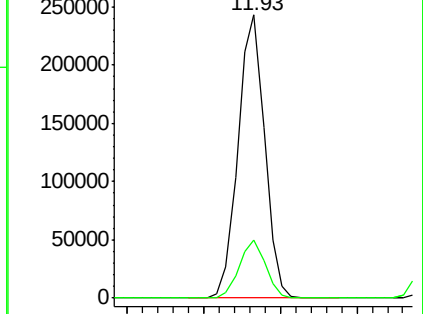
Manual Integrations
APPROVED

MMDadoda
5/5/2020 11:35:32 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 17.989 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VX016038.D

Acq: 04 May 2020 16:22

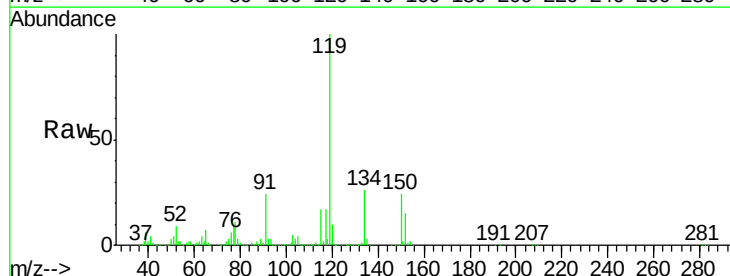
Tgt Ion:119 Resp: 268850

Ion Ratio Lower Upper

119 100

134 26.4 13.1 39.3

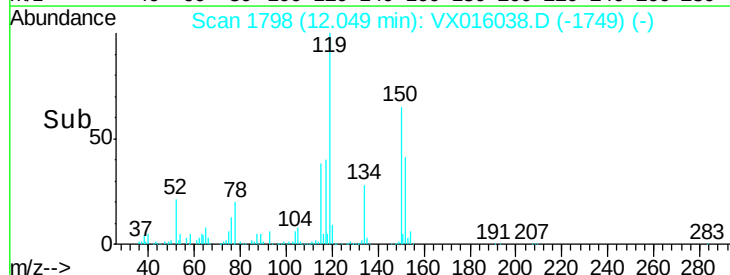
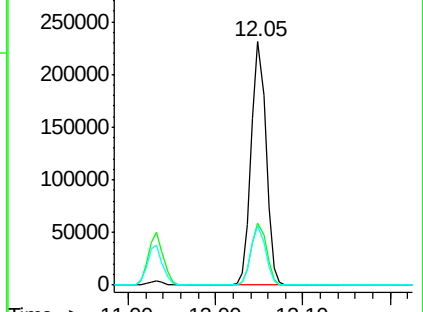
91 24.1 11.8 35.4

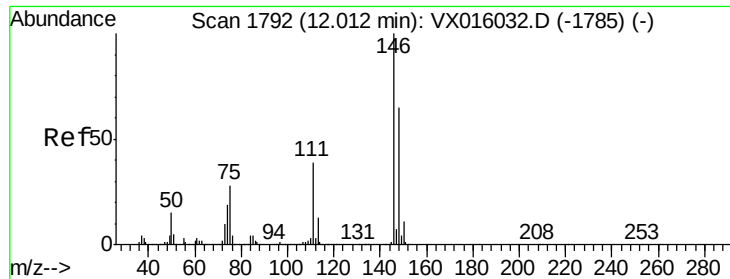


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





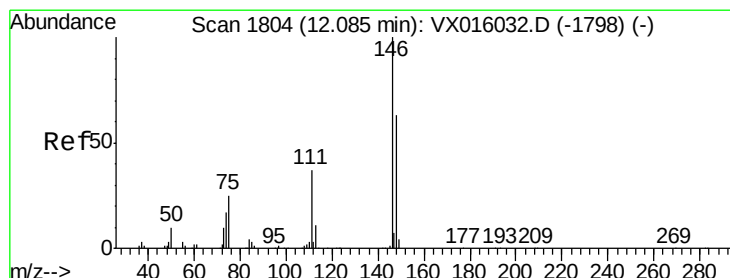
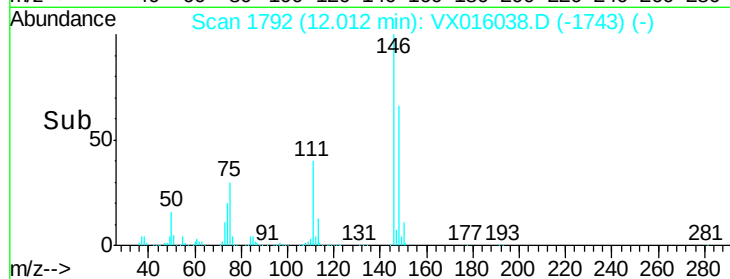
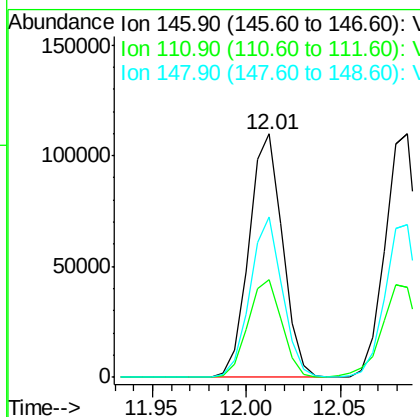
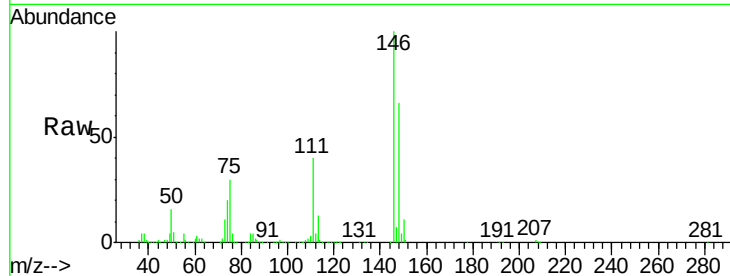
#87
 1,3-Dichlorobenzene
 Concen: 17.859 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX016038.D
 Acq: 04 May 2020 16:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0504WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	135616		
111	40.6	20.2	60.6	
148	63.5	32.1	96.3	

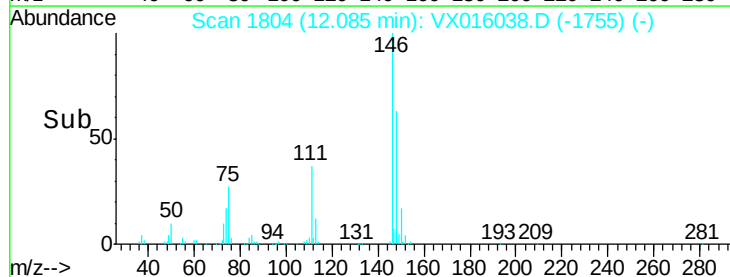
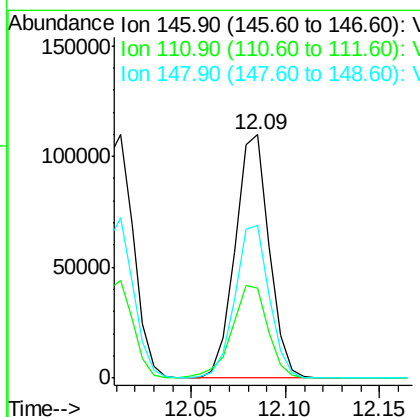
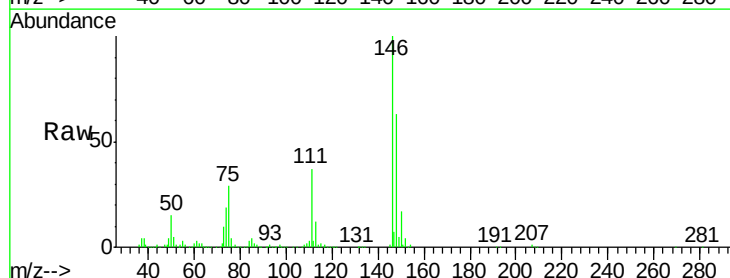
Manual Integrations
 APPROVED

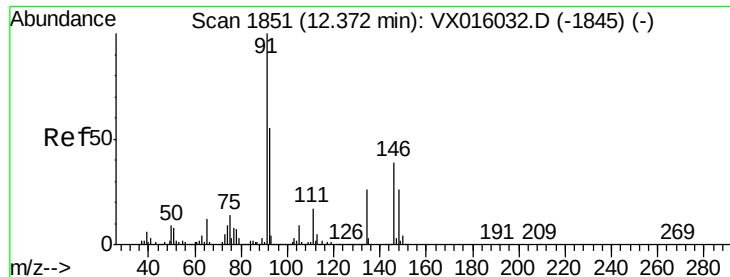
MMDadoda
 5/5/2020 11:35:32 AM



#88
 1,4-Dichlorobenzene
 Concen: 17.860 ug/l
 RT: 12.09 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VX016038.D
 Acq: 04 May 2020 16:22

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	137650		
111	40.5	19.6	58.7	
148	63.3	31.8	95.3	





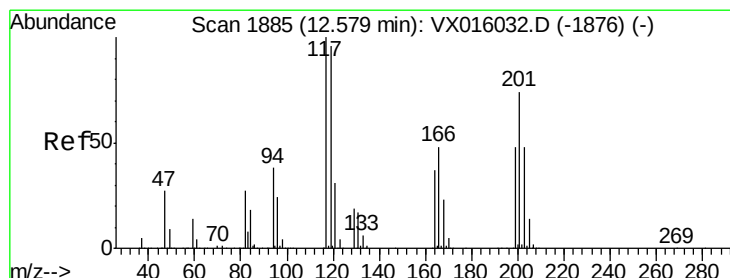
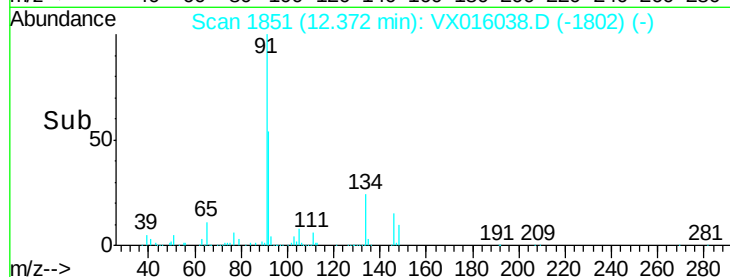
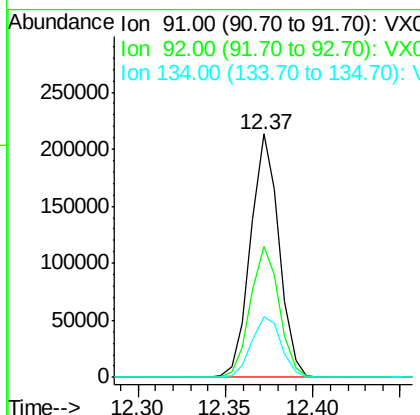
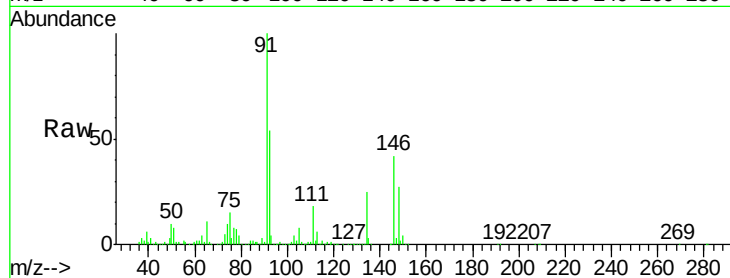
#89
n-Butylbenzene
Concen: 17.661 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX016038.D
Acq: 04 May 2020 16:22

Instrument :
MSVOA_X
ClientSampleId :
VX0504WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.2	27.6	82.7
134	26.0	13.4	40.1

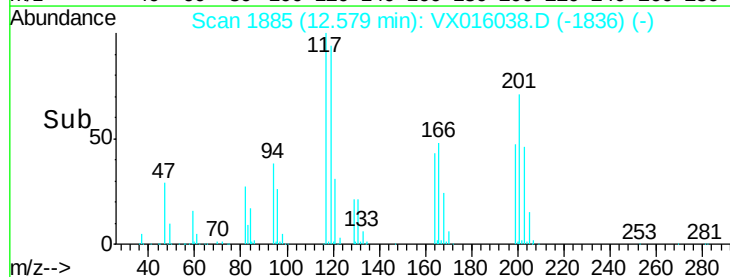
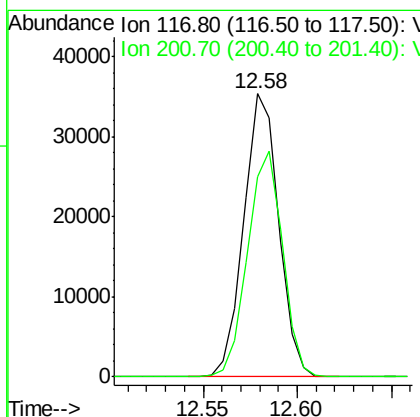
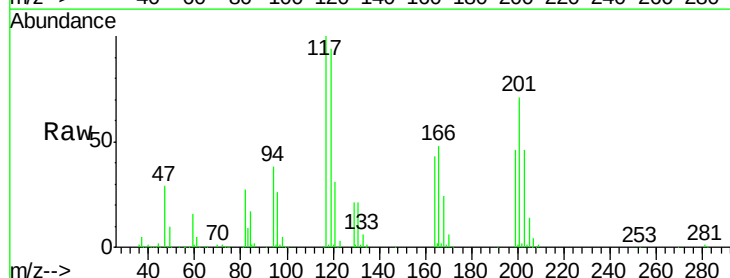
Manual Integrations
APPROVED

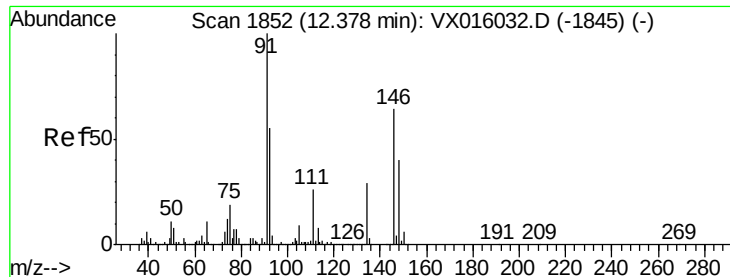
MMDadoda
5/5/2020 11:35:32 AM



#90
Hexachloroethane
Concen: 17.727 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX016038.D
Acq: 04 May 2020 16:22

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.7	39.8	119.3





#91

1,2-Dichlorobenzene

Concen: 17.871 ug/l

RT: 12.38 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VX016038.D

Acq: 04 May 2020 16:22

Instrument :

MSVOA_X

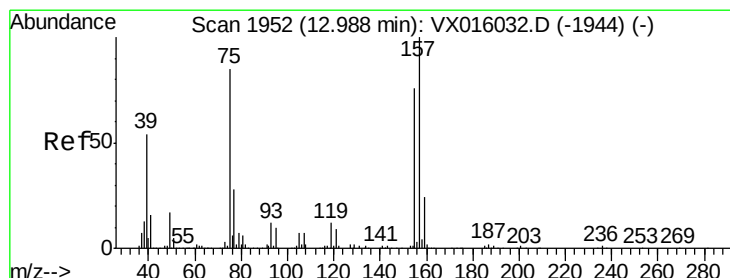
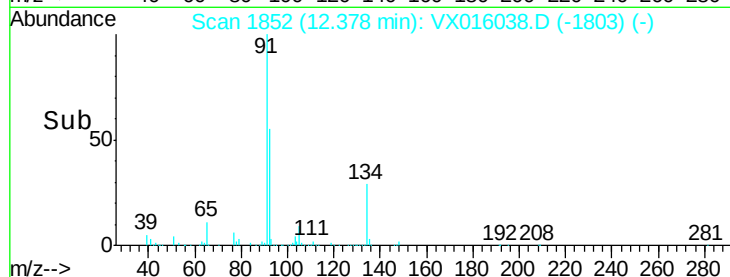
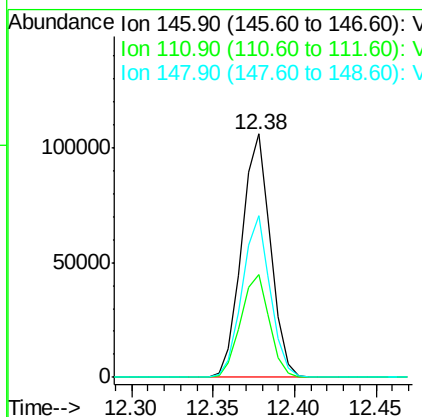
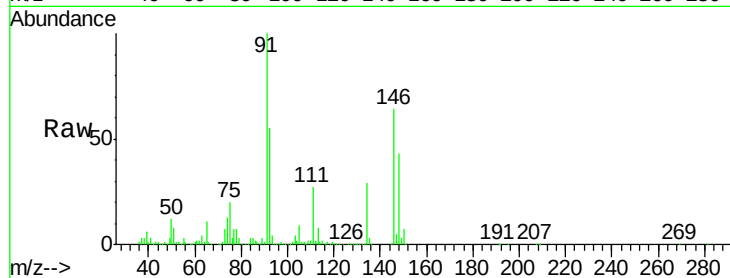
ClientSampled :

VX0504WBSD01

Tot Ion:	146	Resp:	130670
Ion Ratio	Lower	Upper	
146	100		
111	42.3	21.1	63.1
148	64.7	32.4	97.0

Manual Integrations
APPROVED

MMDadoda
5/5/2020 11:35:32 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.757 ug/l

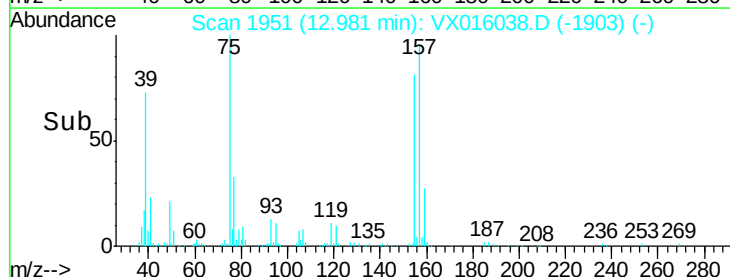
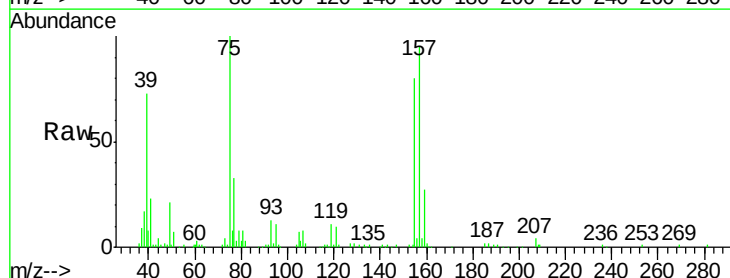
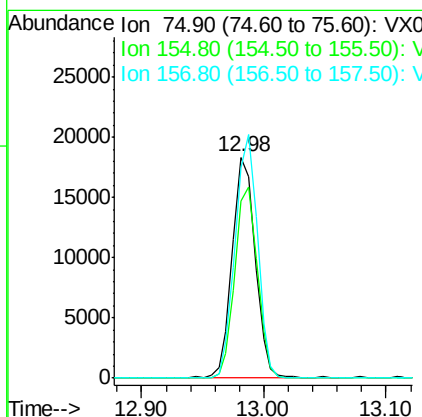
RT: 12.98 min Scan# 1951

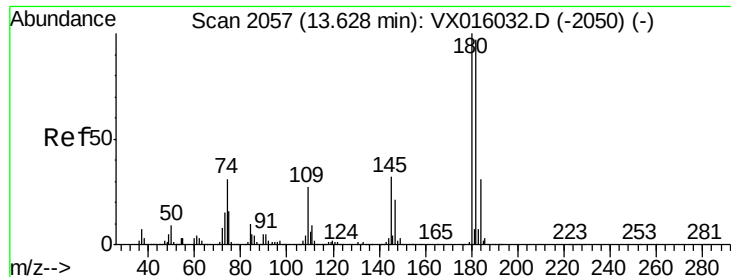
Delta R.T. -0.01 min

Lab File: VX016038.D

Acq: 04 May 2020 16:22

Tgt Ion:	75	Resp:	23924
Ion Ratio	Lower	Upper	
75	100		
155	84.3	42.5	127.5
157	106.4	55.3	165.8





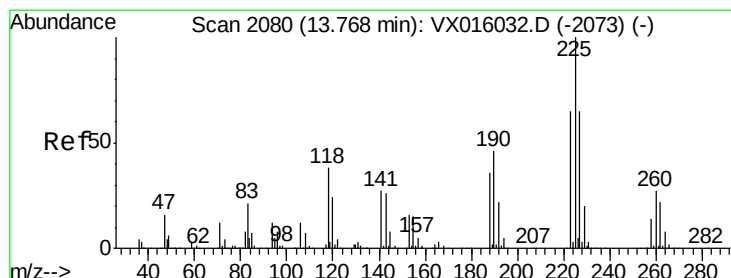
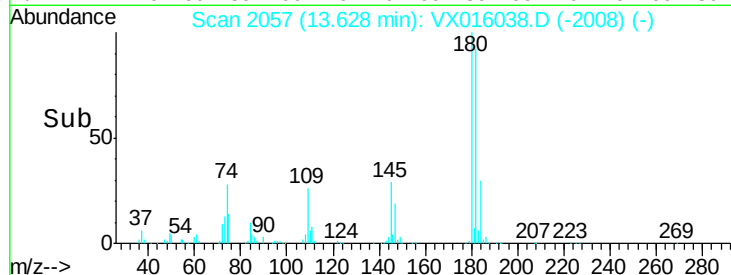
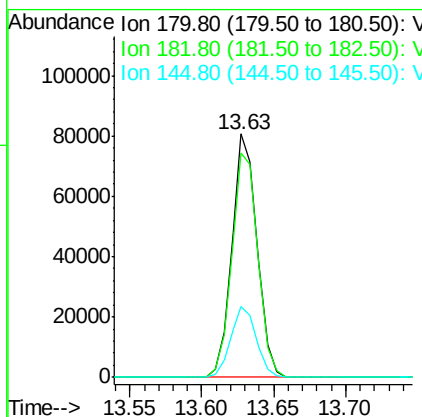
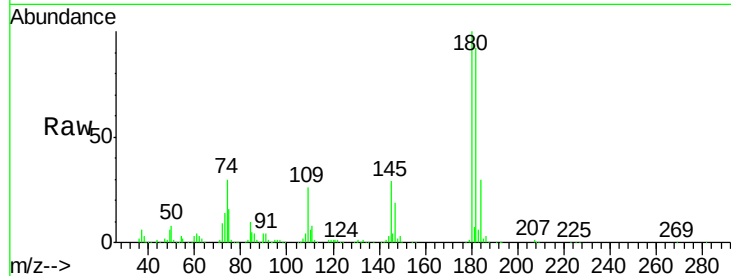
#93
 1,2,4-Trichlorobenzene
 Concen: 18.194 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX016038.D
 Acq: 04 May 2020 16:22

Instrument :
 MSVOA_X
 ClientSampled :
 VX0504WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	98493		
182	95.3	48.7	146.1	
145	30.0	15.7	47.1	

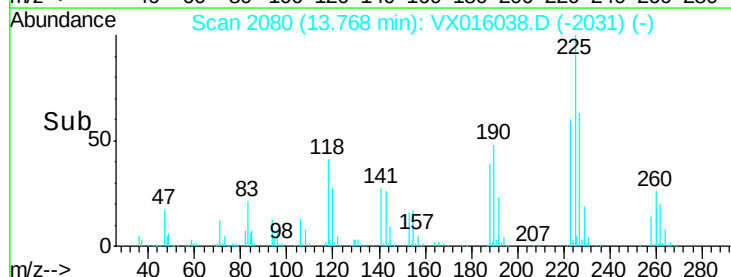
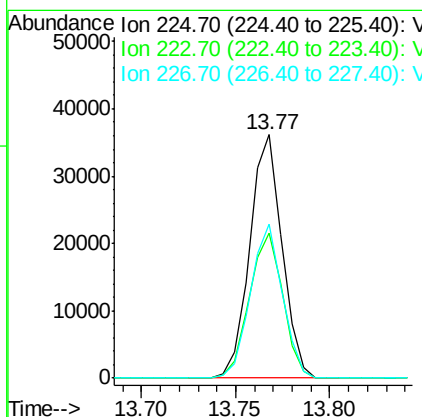
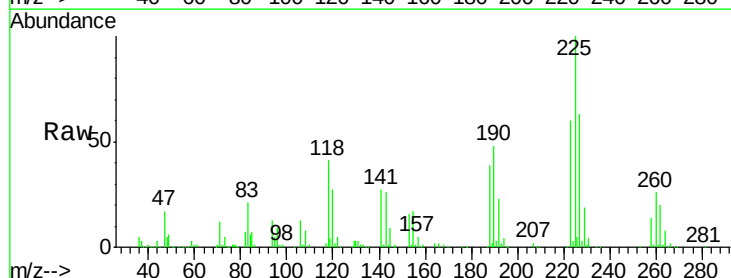
Manual Integrations
 APPROVED

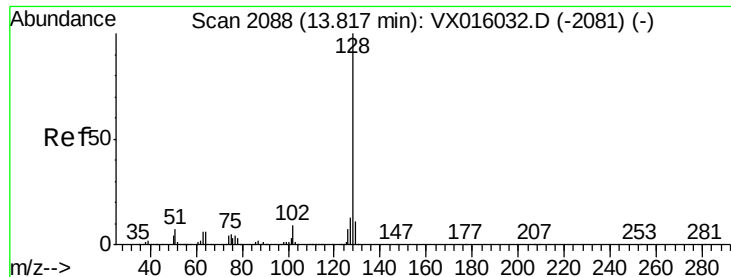
MMDadoda
 5/5/2020 11:35:32 AM



#94
 Hexachlorobutadiene
 Concen: 18.726 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX016038.D
 Acq: 04 May 2020 16:22

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	42880		
223	61.9	32.3	96.9	
227	62.7	31.8	95.4	





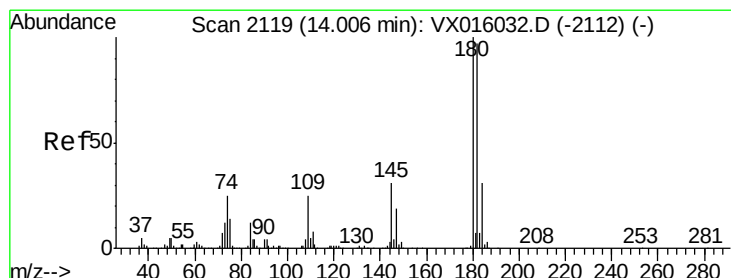
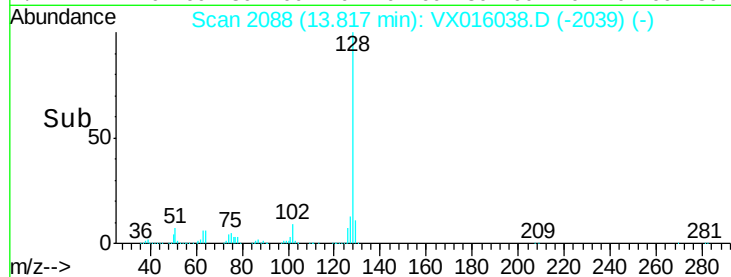
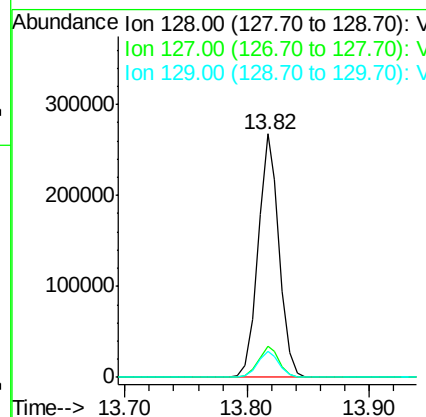
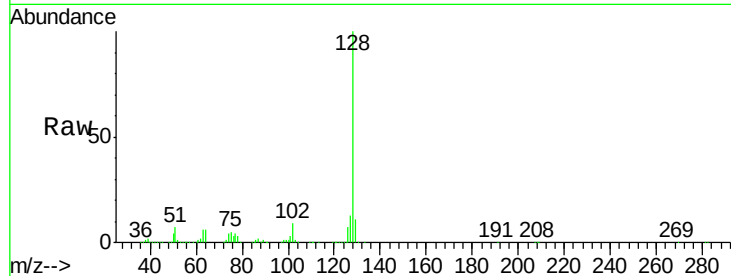
#95
Naphthalene
Concen: 18.215 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. -0.00 min
Lab File: VX016038.D
Acq: 04 May 2020 16:22

Instrument :
MSVOA_X
ClientSampled :
VX0504WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	319291		
127	12.9		10.2	15.4
129	10.9		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
5/5/2020 11:35:32 AM



#96
1,2,3-Trichlorobenzene
Concen: 17.773 ug/l
RT: 14.01 min Scan# 2119
Delta R.T. -0.00 min
Lab File: VX016038.D
Acq: 04 May 2020 16:22

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	94030		
182	97.6		48.4	145.0
145	33.3		16.4	49.1

