

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX051420\
 Data File : VX016267.D
 Acq On : 15 May 2020 05:59
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/15/2020 10:10:49 AM

Quant Time: May 15 07:18:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 06:43:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	203252	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	368664	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	357754	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	180573	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	151929	56.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.60%	
35) Dibromofluoromethane	5.47	113	119442	51.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.28%	
50) Toluene-d8	8.70	98	447051	49.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.36%	
62) 4-Bromofluorobenzene	11.12	95	177962	51.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	83312	38.725	ug/l	98
3) Chloromethane	1.31	50	129557	51.855	ug/l	98
4) Vinyl Chloride	1.39	62	123418	46.300	ug/l	100
5) Bromomethane	1.62	94	61661	45.884	ug/l	96
6) Chloroethane	1.70	64	81618	50.323	ug/l	100
7) Trichlorofluoromethane	1.91	101	140910	40.266	ug/l	99
8) Diethyl Ether	2.17	74	83121	56.372	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.36	101	73545	36.426	ug/l	97
10) Methyl Iodide	2.49	142	113556	41.872	ug/l	98
11) Tert butyl alcohol	3.02	59	194316	287.307	ug/l	100
12) 1,1-Dichloroethene	2.36	96	95310	45.110	ug/l	98
13) Acrolein	2.27	56	135913	321.135	ug/l	99
14) Allyl chloride	2.70	41	193143	49.857	ug/l	95
15) Acrylonitrile	3.12	53	422561	301.171	ug/l	99
16) Acetone	2.42	43	342250	286.791	ug/l	97
17) Carbon Disulfide	2.55	76	266444	41.960	ug/l	98
18) Methyl Acetate	2.75	43	194556	66.306	ug/l	99
19) Methyl tert-butyl Ether	3.17	73	439195	60.300	ug/l	99
20) Methylene Chloride	2.84	84	133988	54.464	ug/l	95
21) trans-1,2-Dichloroethene	3.14	96	116189	49.348	ug/l	99
22) Diisopropyl ether	3.82	45	416666	57.011	ug/l	97
23) Vinyl Acetate	3.79	43	1841040	286.325	ug/l	98
24) 1,1-Dichloroethane	3.67	63	226180	55.323	ug/l	99
25) 2-Butanone	4.64	43	583660	303.513	ug/l	98
26) 2,2-Dichloropropane	4.55	77	125142	33.517	ug/l	96
27) cis-1,2-Dichloroethene	4.57	96	142774	55.467	ug/l	94
28) Bromochloromethane	4.98	49	110932	59.506	ug/l	97
29) Tetrahydrofuran	5.09	42	382182	299.941	ug/l	98
30) Chloroform	5.18	83	231507	56.873	ug/l	99
31) Cyclohexane	5.55	56	142683	38.402	ug/l	99
32) 1,1,1-Trichloroethane	5.46	97	185569	50.152	ug/l	98
36) 1,1-Dichloropropene	5.77	75	146751	40.439	ug/l	99
37) Ethyl Acetate	4.79	43	217102	51.616	ug/l	99
38) Carbon Tetrachloride	5.76	117	154062	41.767	ug/l	96

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MMDadoda
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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	137324	31.422	ug/l	99
40) Benzene	6.12	78	515602	48.558	ug/l	100
41) Methacrylonitrile	5.01	41	116887	51.458	ug/l	97
42) 1,2-Dichloroethane	6.17	62	189590	49.566	ug/l	99
43) Isopropyl Acetate	6.42	43	344797	51.378	ug/l	98
44) Trichloroethene	7.19	130	156045	41.366	ug/l	99
45) 1,2-Dichloropropane	7.49	63	138745	51.640	ug/l	99
46) Dibromomethane	7.64	93	92922	50.892	ug/l	100
47) Bromodichloromethane	7.88	83	193425	52.015	ug/l	97
48) Methyl methacrylate	7.74	41	163381	51.378	ug/l	95
49) 1,4-Dioxane	7.72	88	74689	979.318	ug/l	99
51) 4-Methyl-2-Pentanone	8.62	43	1118776	272.426	ug/l	98
52) Toluene	8.77	92	321814	48.623	ug/l	99
53) t-1,3-Dichloropropene	9.02	75	210657	47.512	ug/l	99
54) cis-1,3-Dichloropropene	8.42	75	221319	47.790	ug/l	95
55) 1,1,2-Trichloroethane	9.20	97	140487	53.951	ug/l	99
56) Ethyl methacrylate	9.16	69	235046	55.299	ug/l	94
57) 1,3-Dichloropropane	9.35	76	241319	53.111	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.29	63	624450	275.957	ug/l	100
59) 2-Hexanone	9.48	43	866316	268.617	ug/l	97
60) Dibromochloromethane	9.57	129	156097	54.429	ug/l	100
61) 1,2-Dibromoethane	9.65	107	148949	52.808	ug/l	99
64) Tetrachloroethene	9.32	164	175008	39.848	ug/l	98
65) Chlorobenzene	10.12	112	349077	46.600	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	137658	49.719	ug/l	100
67) Ethyl Benzene	10.24	91	598222	44.758	ug/l	99
68) m/p-Xylenes	10.34	106	457808	91.422	ug/l	100
69) o-Xylene	10.68	106	226451	47.045	ug/l	99
70) Styrene	10.70	104	401939	49.220	ug/l	99
71) Bromoform	10.84	173	123250	54.638	ug/l #	98
73) Isopropylbenzene	11.00	105	562926	42.861	ug/l	99
74) N-amyl acetate	10.88	43	295772	48.280	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	174138	65.038	ug/l	100
76) 1,2,3-Trichloropropane	11.28	75	203647m	49.699	ug/l	
77) Bromobenzene	11.24	156	158237	46.677	ug/l	99
78) n-propylbenzene	11.35	91	634560	41.531	ug/l	99
79) 2-Chlorotoluene	11.40	91	407500	45.183	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	491184	44.294	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.06	75	76632	44.567	ug/l	96
82) 4-Chlorotoluene	11.49	91	480732	45.138	ug/l	100
83) tert-Butylbenzene	11.76	119	421618	44.118	ug/l	97
84) 1,2,4-Trimethylbenzene	11.79	105	508133	45.324	ug/l	99
85) sec-Butylbenzene	11.93	105	516533	40.031	ug/l	99
86) p-Isopropyltoluene	12.05	119	492495	41.110	ug/l	99
87) 1,3-Dichlorobenzene	12.01	146	273205	44.883	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	274228	44.387	ug/l	99
89) n-Butylbenzene	12.37	91	413527	37.784	ug/l	100
90) Hexachloroethane	12.58	117	88410	42.970	ug/l	98
91) 1,2-Dichlorobenzene	12.38	146	270667	46.180	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.98	75	53545	49.581	ug/l	96

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	186842	43.057	ug/l	96
94) Hexachlorobutadiene	13.77	225	65816	35.378	ug/l	99
95) Naphthalene	13.82	128	678714	48.304	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	188166	44.369	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX016267.D

Acq: 15 May 2020 05:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 203252

Ion Ratio Lower Upper

168 100

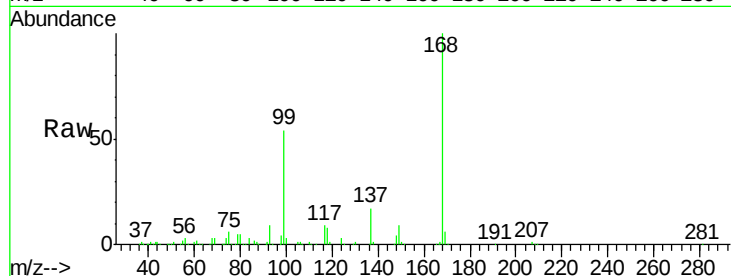
99 54.1 45.0 67.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

80000

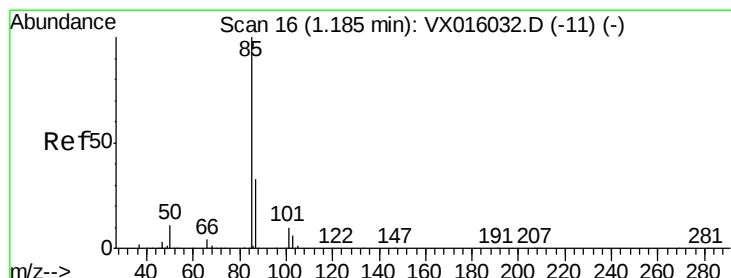
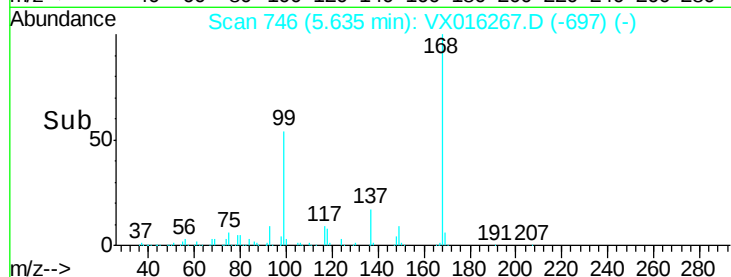
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 38.725 ug/l

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX016267.D

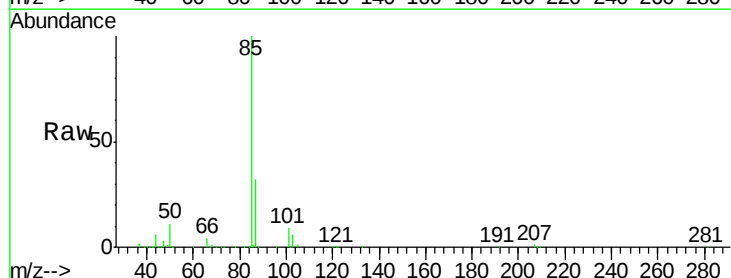
Acq: 15 May 2020 05:59

Tgt Ion: 85 Resp: 83312

Ion Ratio Lower Upper

85 100

87 31.7 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

100000

80000

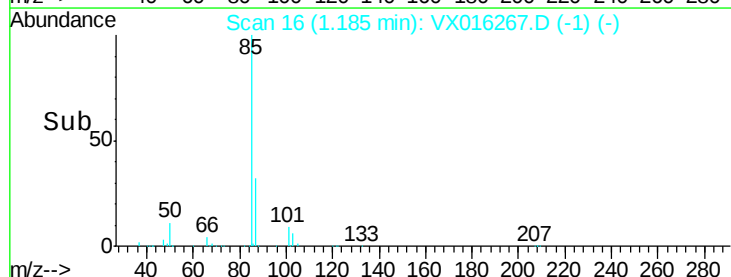
60000

40000

20000

0

Time-->





#3

Chloromethane

Concen: 51.855 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016267.D

Acq: 15 May 2020 05:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 129557

Ion Ratio Lower Upper

50 100

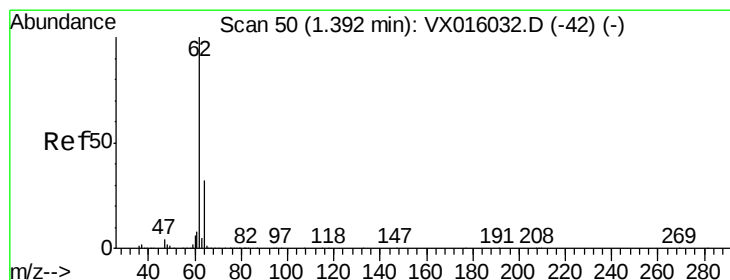
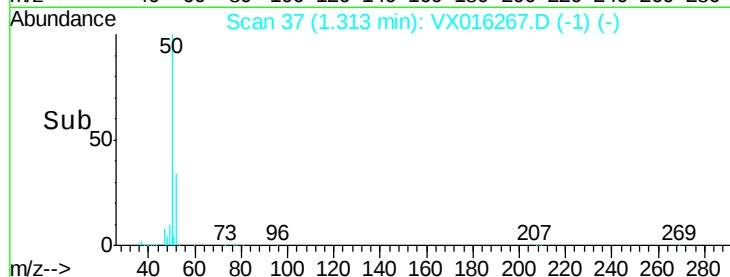
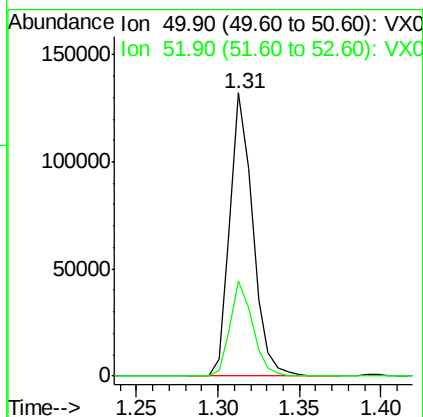
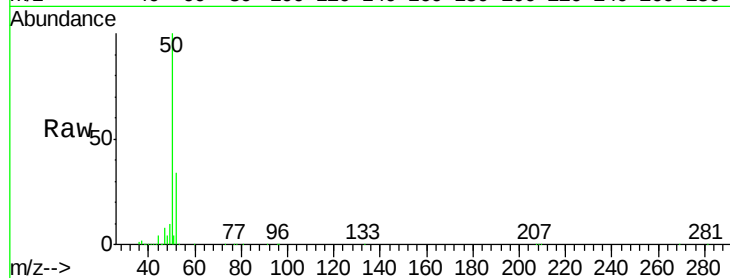
52 33.8 26.1 39.1

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#4

Vinyl Chloride

Concen: 46.300 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016267.D

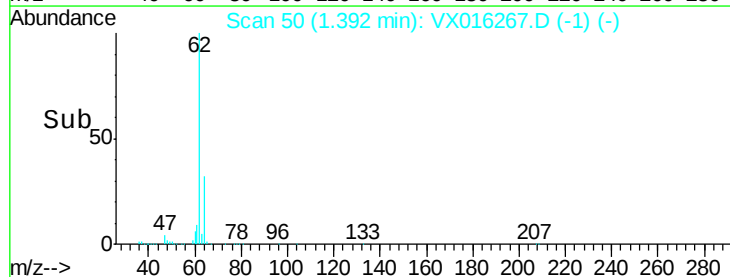
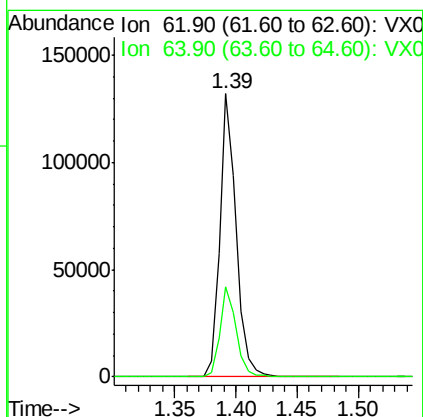
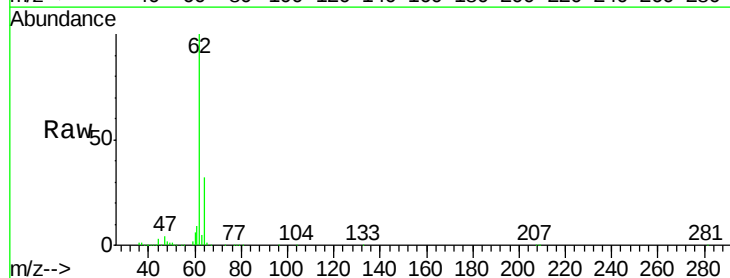
Acq: 15 May 2020 05:59

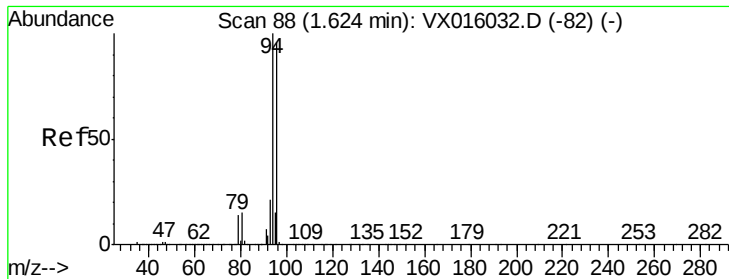
Tgt Ion: 62 Resp: 123418

Ion Ratio Lower Upper

62 100

64 32.0 25.7 38.5





#5

Bromomethane

Concen: 45.884 ug/l

RT: 1.62 min Scan# 88

Delta R.T. -0.00 min

Lab File: VX016267.D

Acq: 15 May 2020 05:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 61661

Ion Ratio Lower Upper

94 100

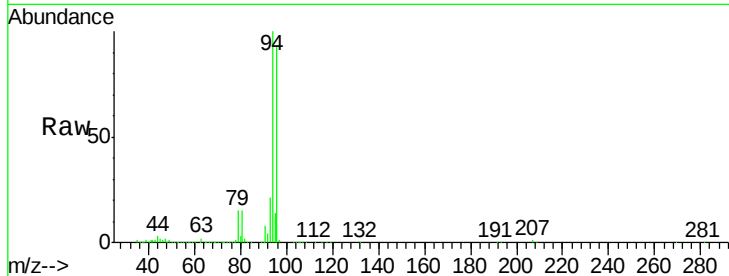
96 92.5 76.9 115.3

Manual Integrations

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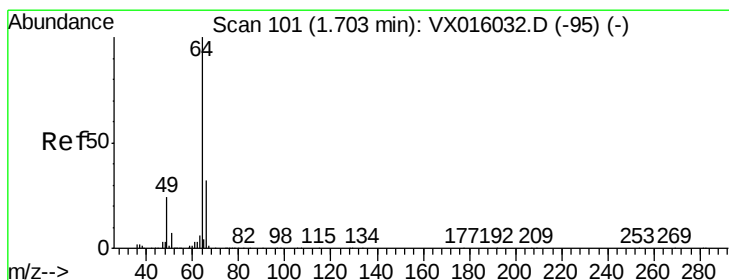
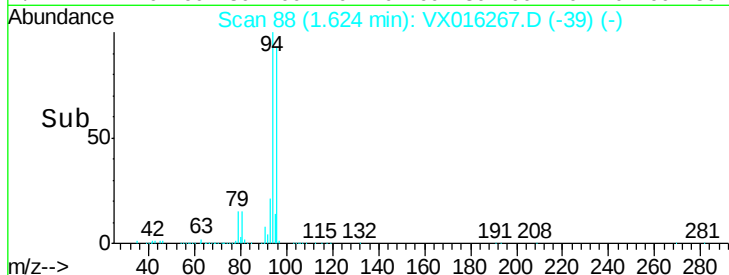
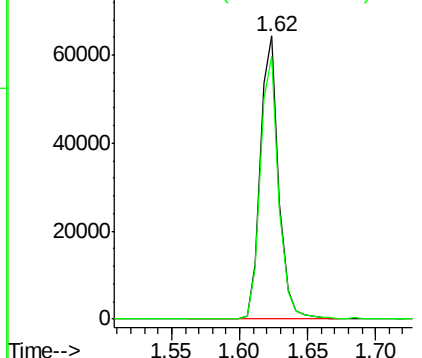
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 50.323 ug/l

RT: 1.70 min Scan# 101

Delta R.T. -0.00 min

Lab File: VX016267.D

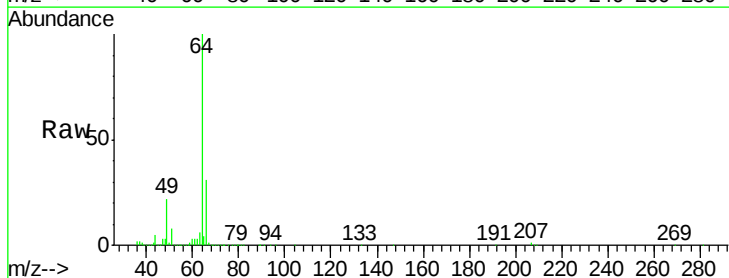
Acq: 15 May 2020 05:59

Tgt Ion: 64 Resp: 81618

Ion Ratio Lower Upper

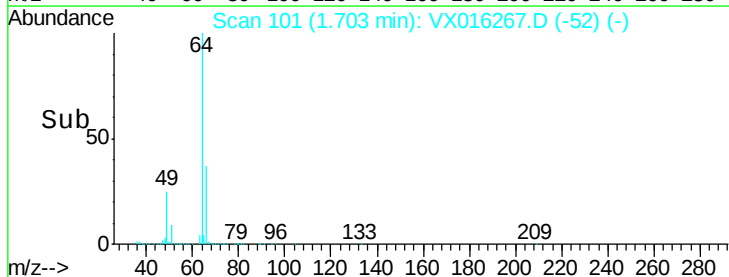
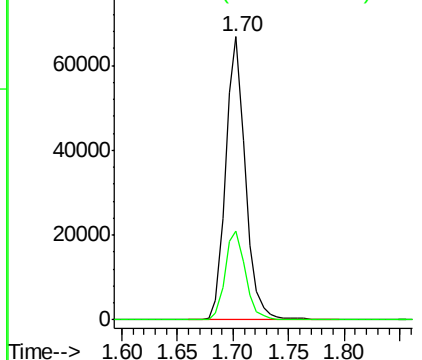
64 100

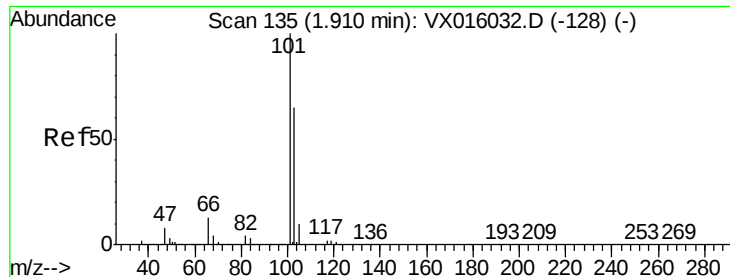
66 31.5 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

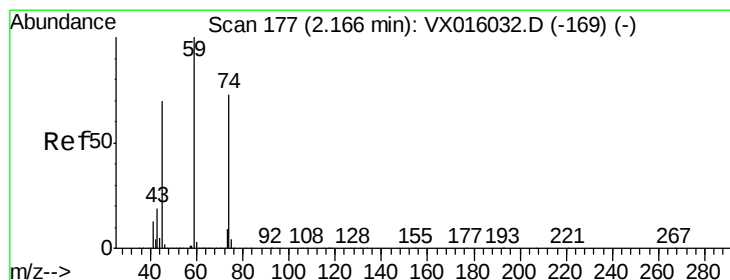
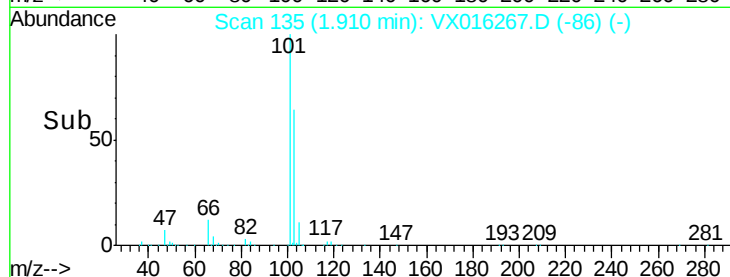
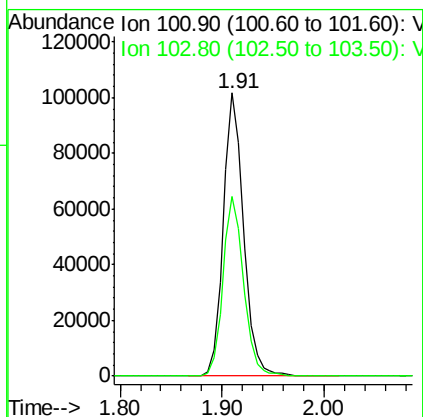
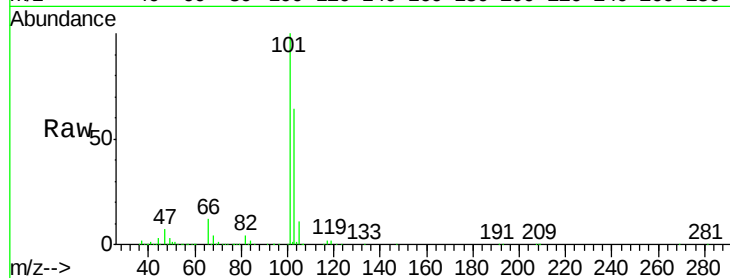
Trichlorofluoromethane
 Concen: 40.266 ug/l
 RT: 1.91 min Scan# 135
 Delta R.T. -0.00 min
 Lab File: VX016267.D
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		140910		
103	63.5	51.8	77.6		

Manual Integrations
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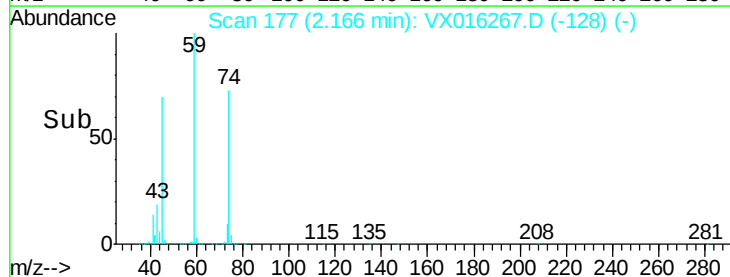
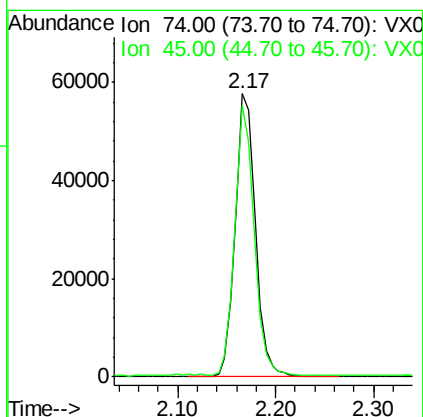
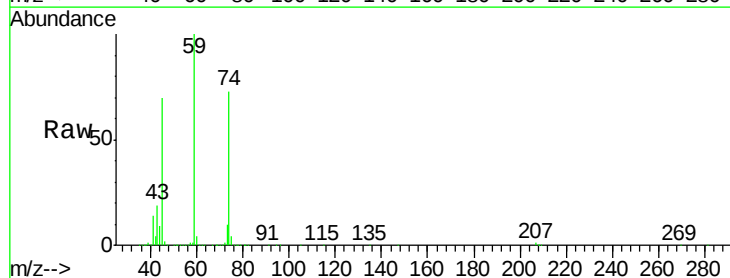
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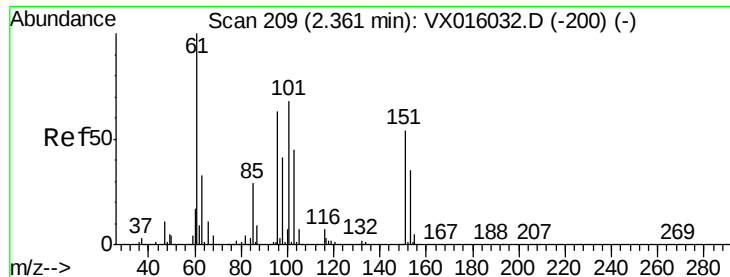


#8

Diethyl Ether
 Concen: 56.372 ug/l
 RT: 2.17 min Scan# 177
 Delta R.T. -0.00 min
 Lab File: VX016267.D
 Acq: 15 May 2020 05:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		83121		
45	91.7	47.3	142.0		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 36.426 ug/l

RT: 2.36 min Scan# 209

Delta R.T. -0.00 min

Lab File: VX016267.D

Acq: 15 May 2020 05:59

Instrument :

MSVOA_X

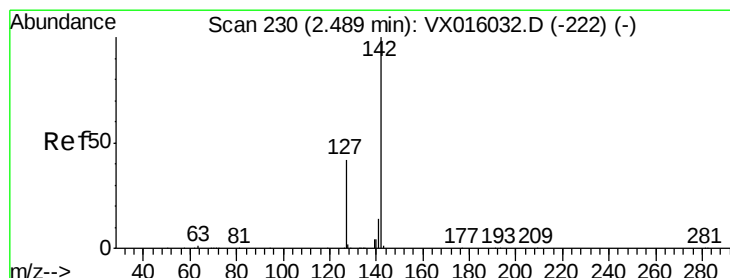
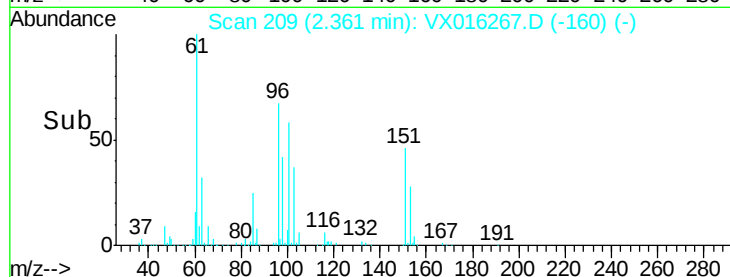
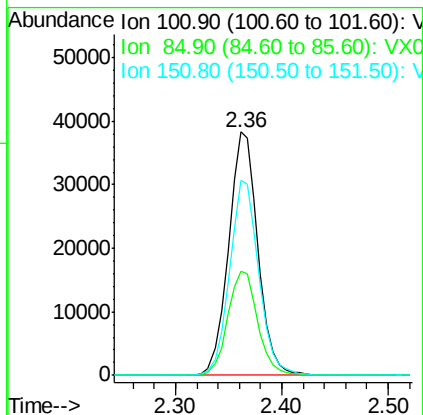
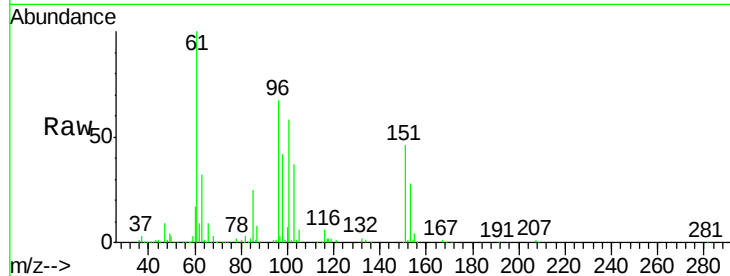
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	73545
Ion Ratio	Lower	Upper	
101	100		
85	44.0	34.2	51.4
151	80.2	62.1	93.1

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#10

Methyl Iodide

Concen: 41.872 ug/l

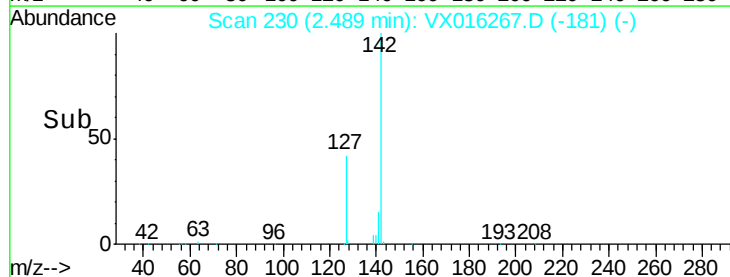
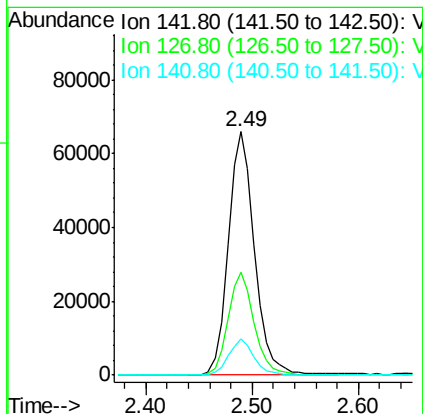
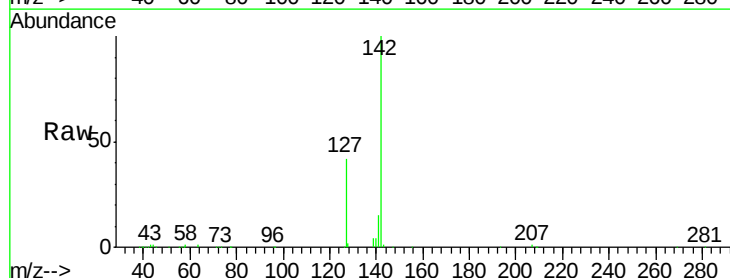
RT: 2.49 min Scan# 230

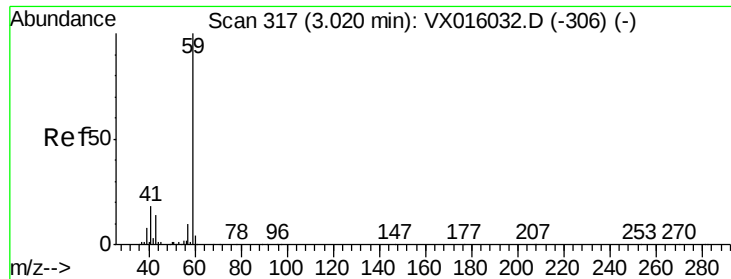
Delta R.T. -0.00 min

Lab File: VX016267.D

Acq: 15 May 2020 05:59

Tgt Ion:	142	Resp:	113556
Ion Ratio	Lower	Upper	
142	100		
127	41.8	34.6	52.0
141	14.2	11.3	16.9





#11

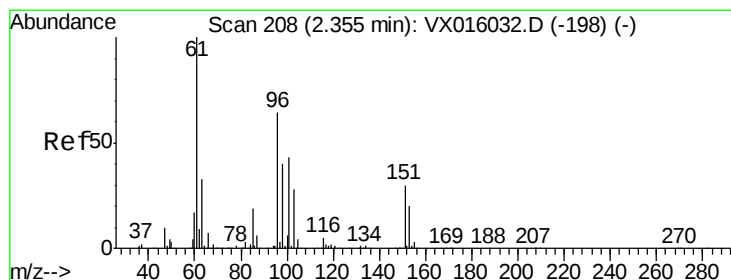
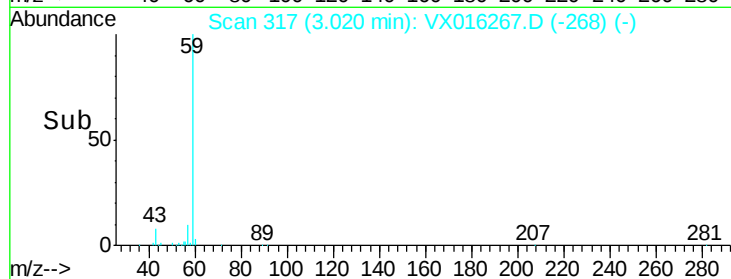
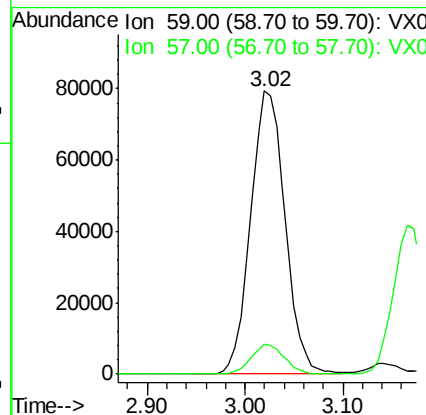
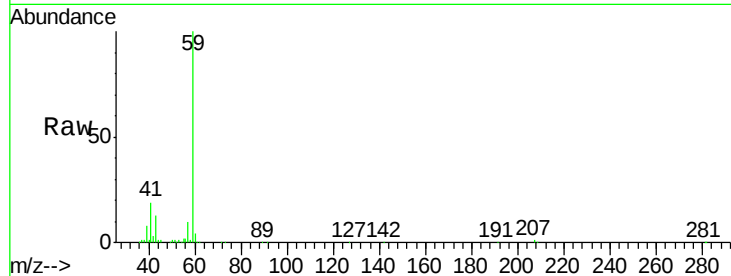
Tert butyl alcohol
Concen: 287.307 ug/l
RT: 3.02 min Scan# 317
Delta R.T. -0.00 min
Lab File: VX016267.D
Acq: 15 May 2020 05:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.2	12.4

Manual Integrations
APPROVED

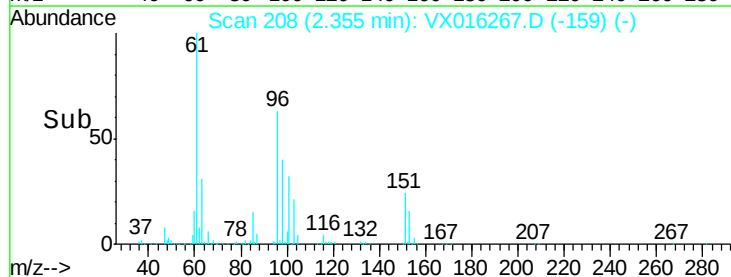
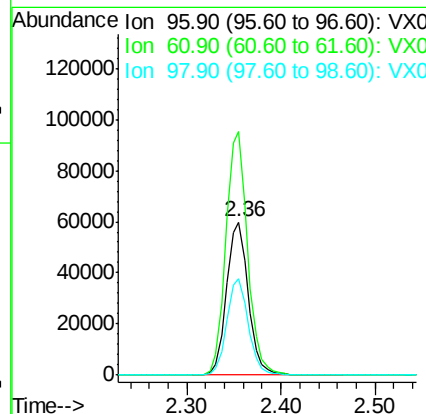
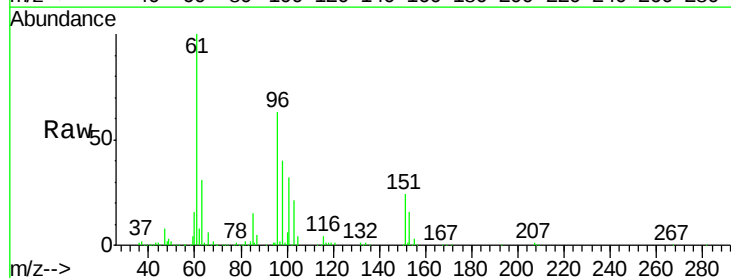
MMDadoda
5/15/2020 10:10:49 AM



#12

1,1-Dichloroethene
Concen: 45.110 ug/l
RT: 2.36 min Scan# 208
Delta R.T. -0.00 min
Lab File: VX016267.D
Acq: 15 May 2020 05:59

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.6	124.8	187.2
98	63.4	49.7	74.5





#13

Acrolein

Concen: 321.135 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX016267.D

Acq: 15 May 2020 05:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 135913

Ion Ratio Lower Upper

56 100

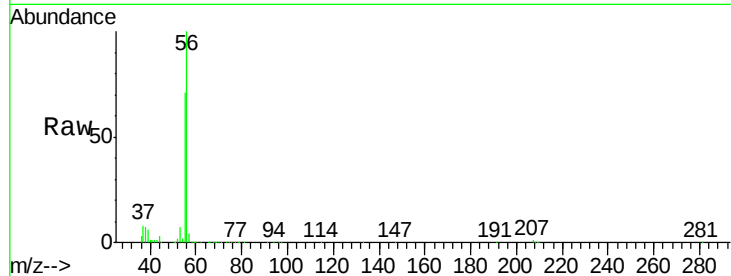
55 71.1 56.5 84.7

Manual Integrations

APPROVED

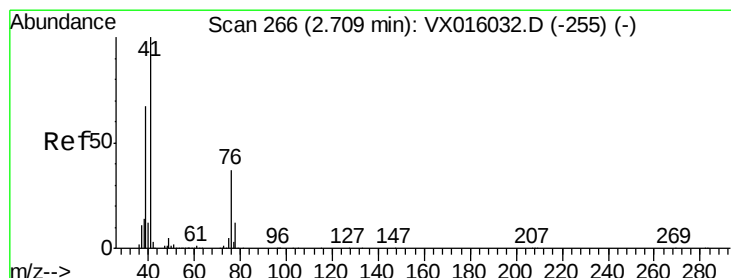
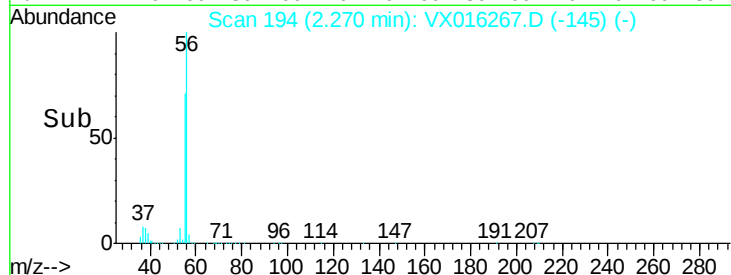
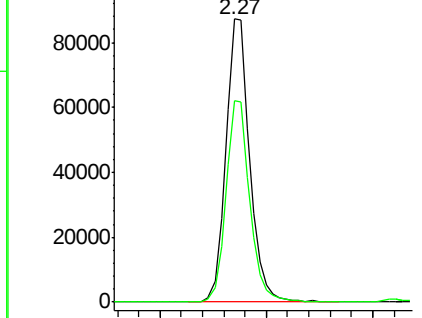
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 49.857 ug/l

RT: 2.70 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX016267.D

Acq: 15 May 2020 05:59

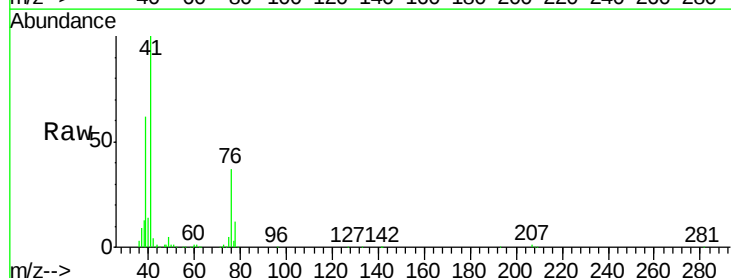
Tgt Ion: 41 Resp: 193143

Ion Ratio Lower Upper

41 100

39 57.2 50.5 75.7

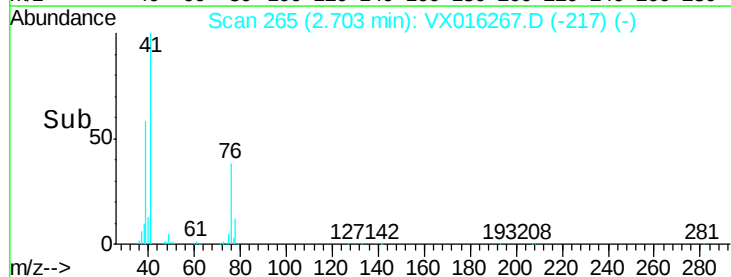
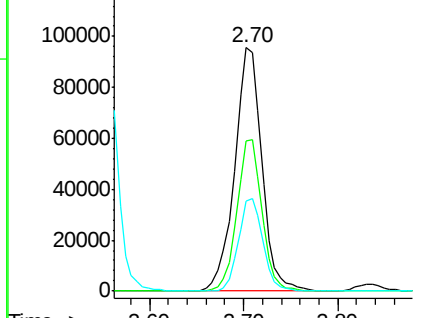
76 33.9 26.6 40.0

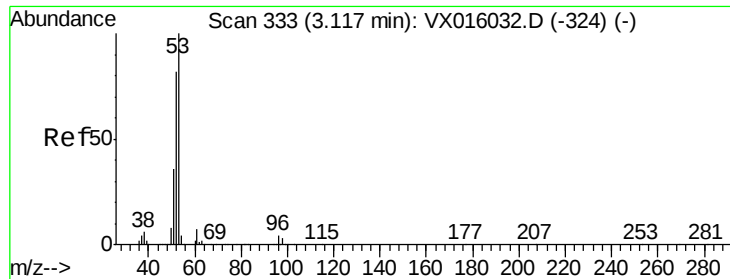


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 301.171 ug/l

RT: 3.12 min Scan# 333

Delta R.T. -0.00 min

Lab File: VX016267.D

Acq: 15 May 2020 05:59

Instrument :

MSVOA_X

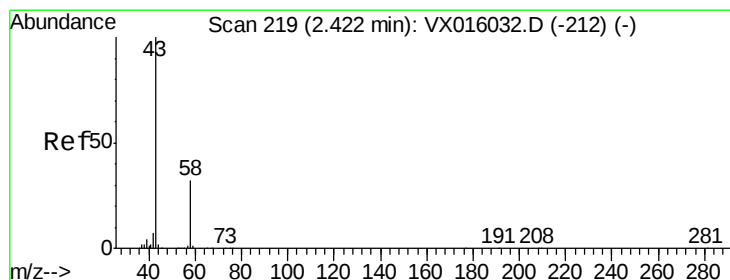
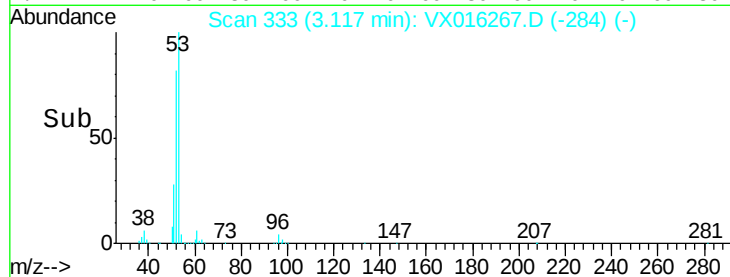
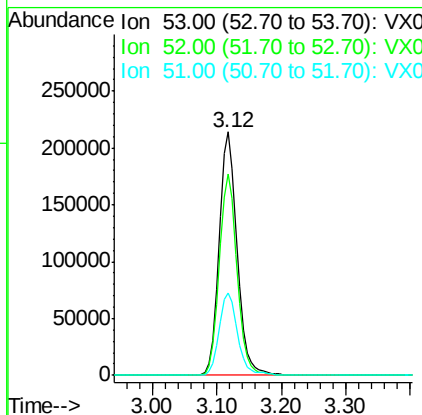
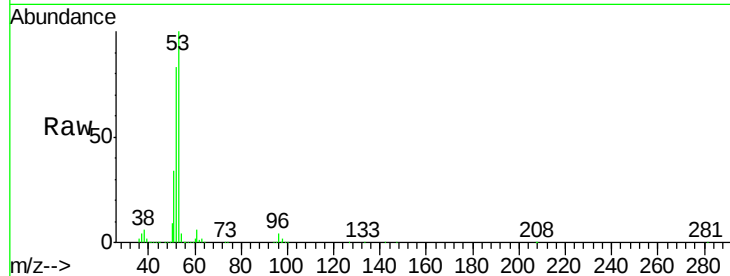
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	422561
Ion Ratio	Lower	Upper	
53	100		
52	82.3	66.1	99.1
51	35.1	28.8	43.2

Manual Integrations
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#16

Acetone

Concen: 286.791 ug/l

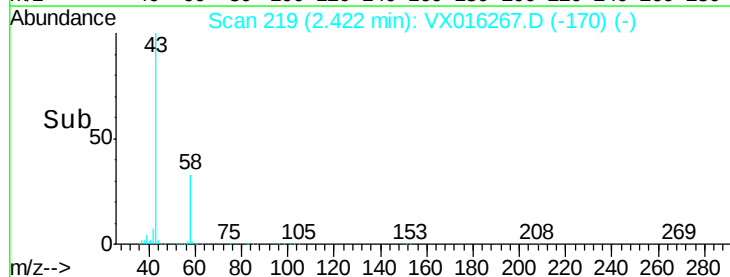
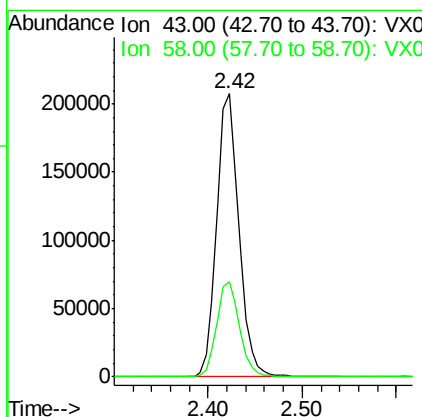
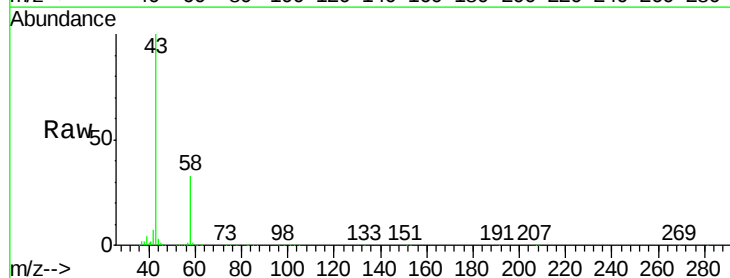
RT: 2.42 min Scan# 219

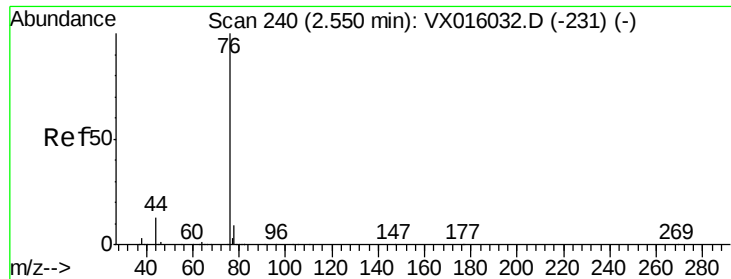
Delta R.T. -0.00 min

Lab File: VX016267.D

Acq: 15 May 2020 05:59

Tgt Ion:	43	Resp:	342250
Ion Ratio	Lower	Upper	
43	100		
58	33.4	25.4	38.0





#17

Carbon Disulfide

Concen: 41.960 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX016267.D

Acq: 15 May 2020 05:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 266444

Ion Ratio Lower Upper

76 100

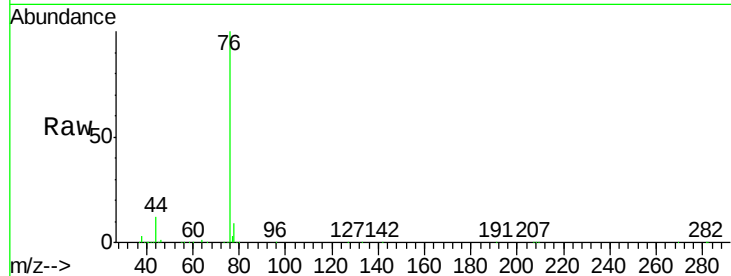
78 8.8 7.5 11.3

Manual Integrations

APPROVED

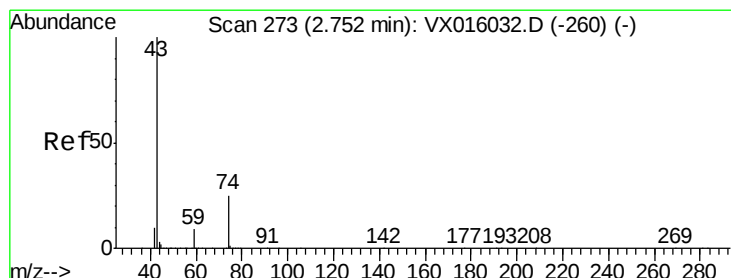
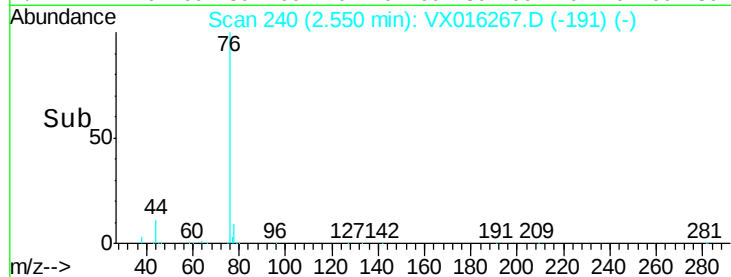
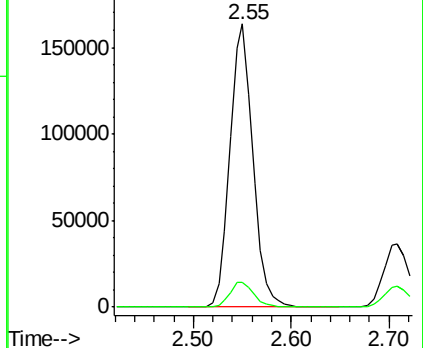
MMDadoda

5/15/2020 10:10:49 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 66.306 ug/l

RT: 2.75 min Scan# 273

Delta R.T. -0.00 min

Lab File: VX016267.D

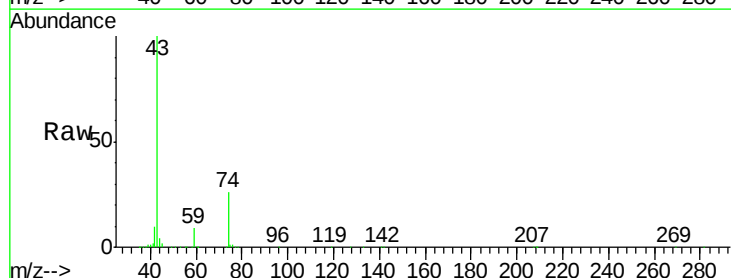
Acq: 15 May 2020 05:59

Tgt Ion: 43 Resp: 194556

Ion Ratio Lower Upper

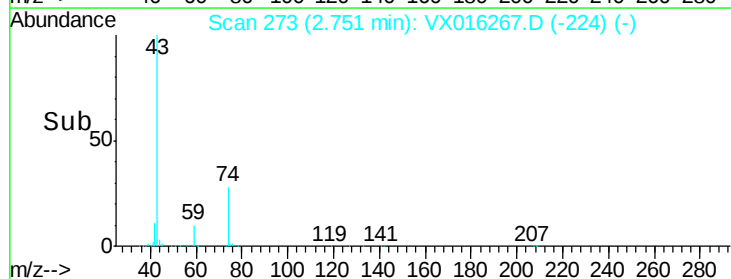
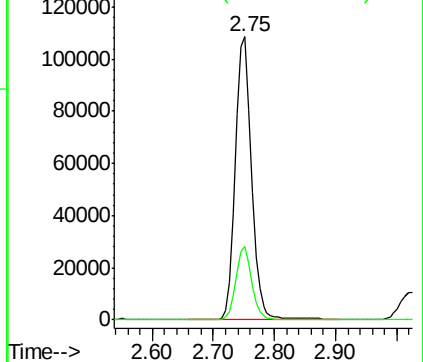
43 100

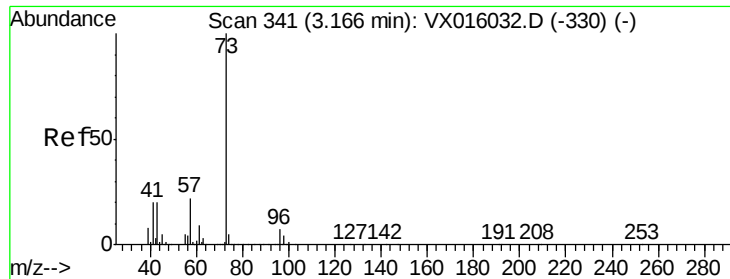
74 25.6 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#19

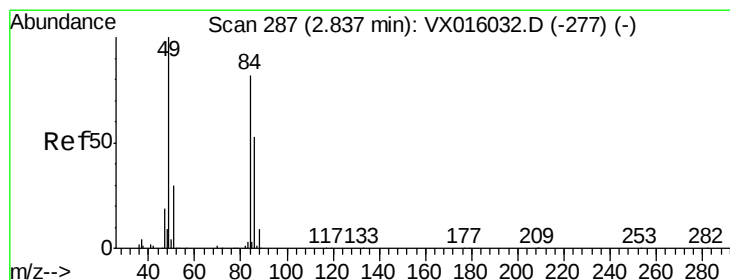
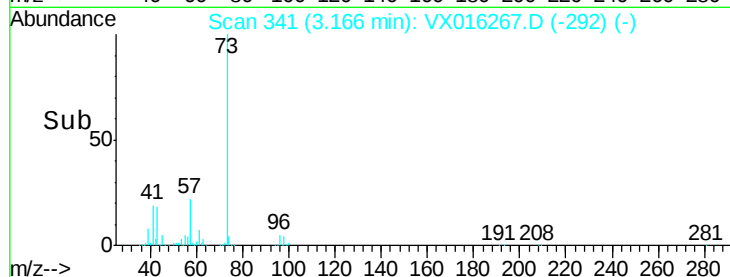
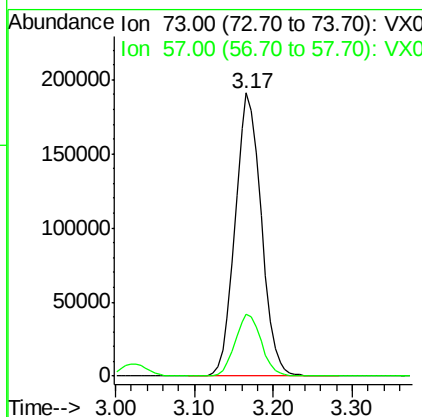
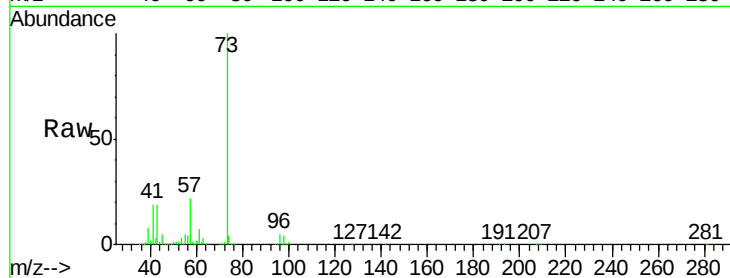
Methyl tert-butyl Ether
 Concen: 60.300 ug/l
 RT: 3.17 min Scan# 341
 Delta R.T. -0.00 min
 Lab File: VX016267.D
 Acq: 15 May 2020 05:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.8	26.6

Manual Integrations
 APPROVED

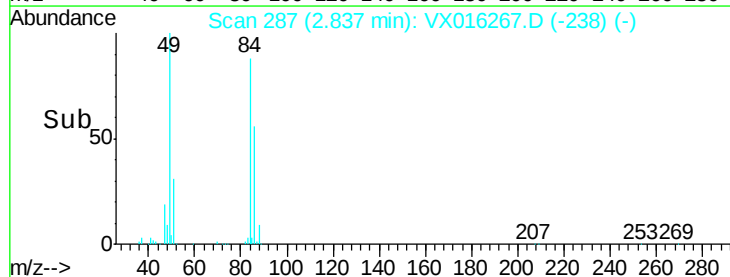
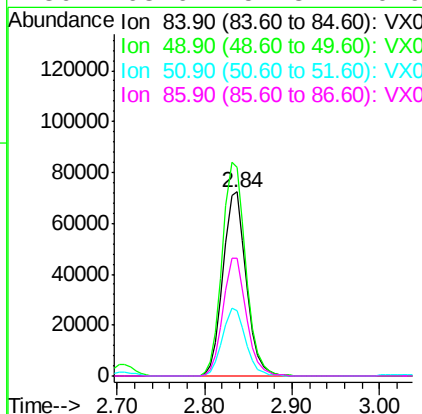
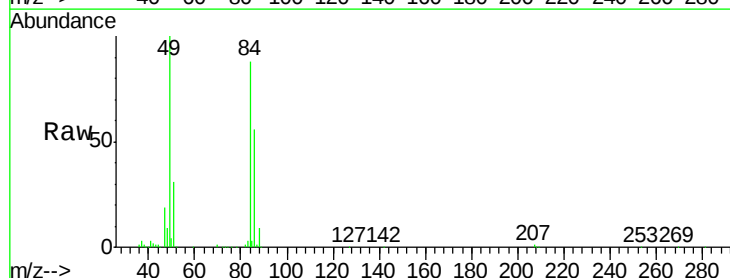
MMDadoda
 5/15/2020 10:10:49 AM



#20

Methylene Chloride
 Concen: 54.464 ug/l
 RT: 2.84 min Scan# 287
 Delta R.T. -0.00 min
 Lab File: VX016267.D
 Acq: 15 May 2020 05:59

Tgt Ion	Ratio	Lower	Upper
84	100		
49	113.3	97.3	145.9
51	35.4	29.3	43.9
86	63.6	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 49.348 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX016267.D

Acq: 15 May 2020 05:59

Instrument :

MSVOA_X

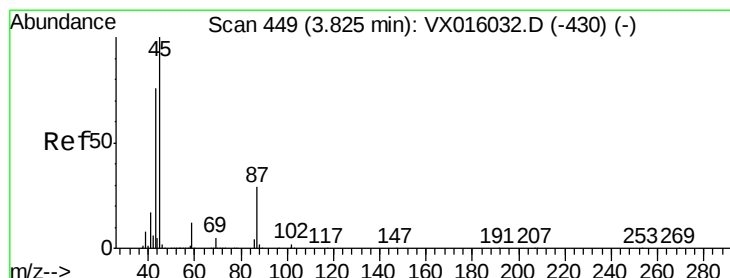
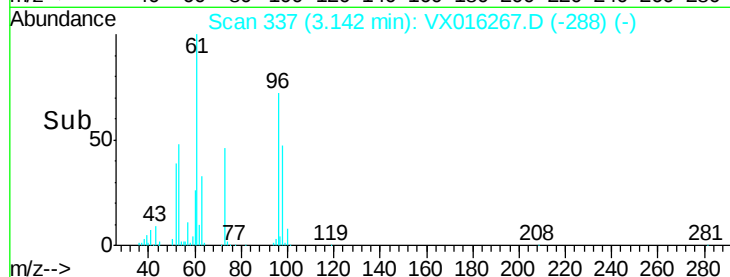
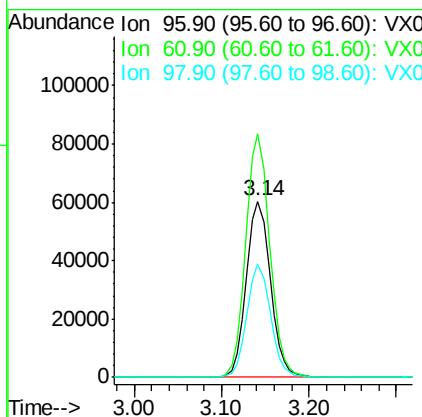
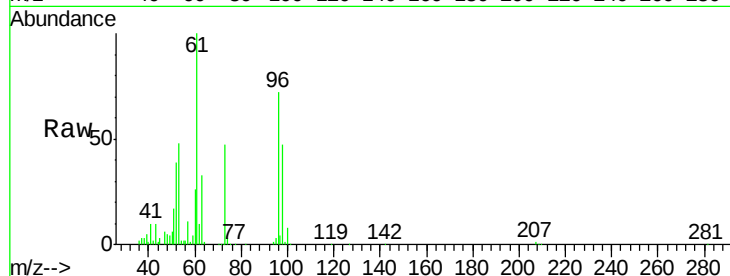
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	116189
Ion	Ratio	Lower	Upper
96	100		
61	138.3	111.2	166.8
98	64.3	50.2	75.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 57.011 ug/l

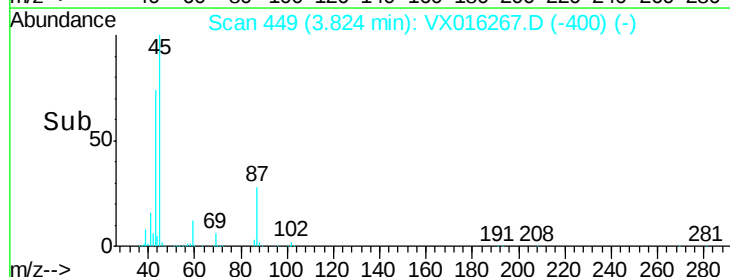
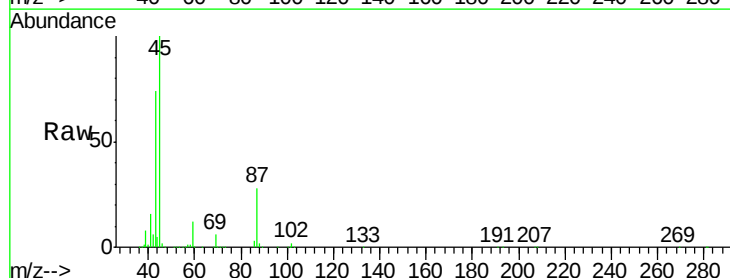
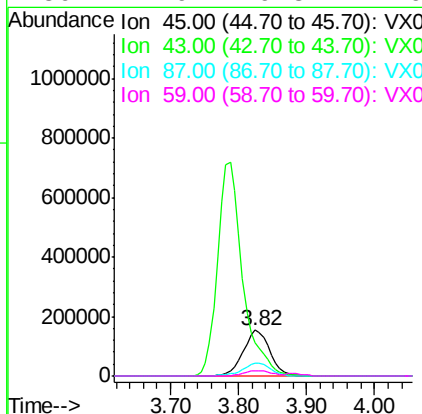
RT: 3.82 min Scan# 449

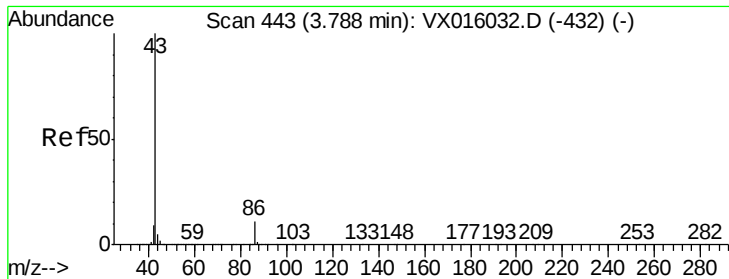
Delta R.T. -0.00 min

Lab File: VX016267.D

Acq: 15 May 2020 05:59

Tgt Ion:	45	Resp:	416666
Ion	Ratio	Lower	Upper
45	100		
43	73.5	61.1	91.7
87	28.2	23.0	34.6
59	11.9	9.8	14.6





#23

Vinyl Acetate

Concen: 286.325 ug/l

RT: 3.79 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX016267.D

Acq: 15 May 2020 05:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1841040

Ion Ratio Lower Upper

43 100

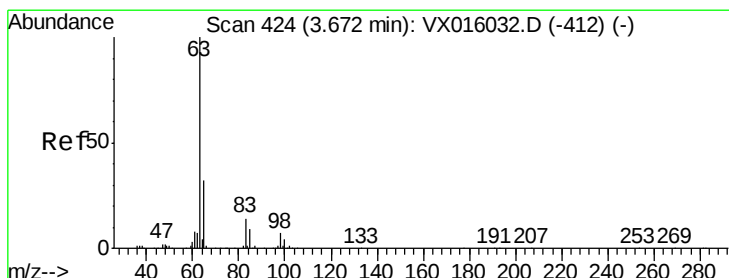
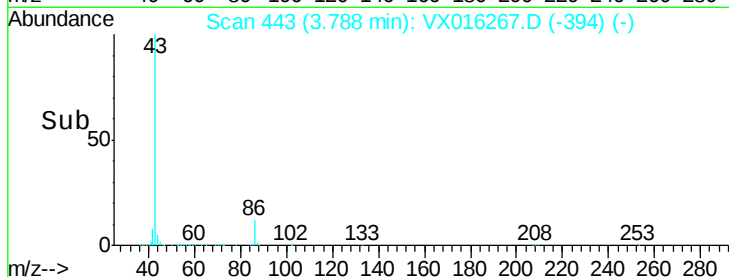
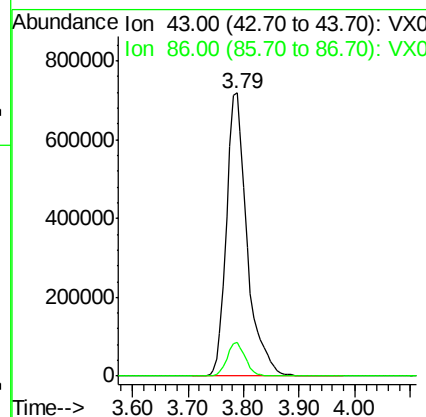
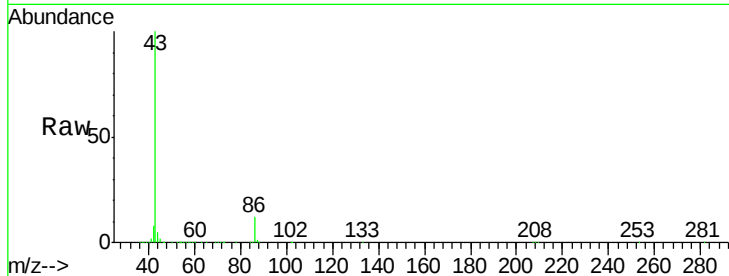
86 11.9 9.0 13.4

Manual Integrations

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MMDadoda

5/15/2020 10:10:49 AM



#24

1,1-Dichloroethane

Concen: 55.323 ug/l

RT: 3.67 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX016267.D

Acq: 15 May 2020 05:59

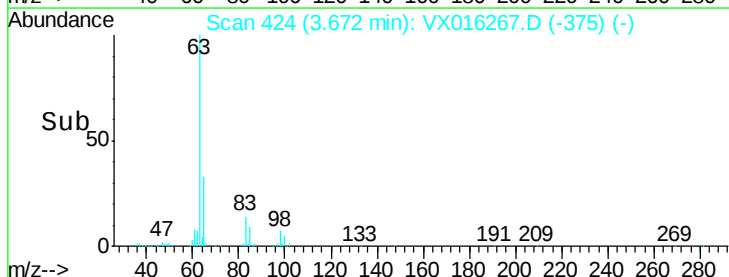
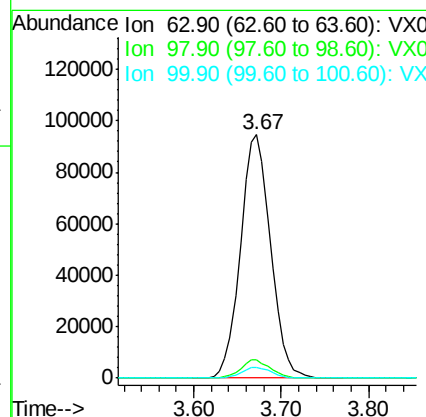
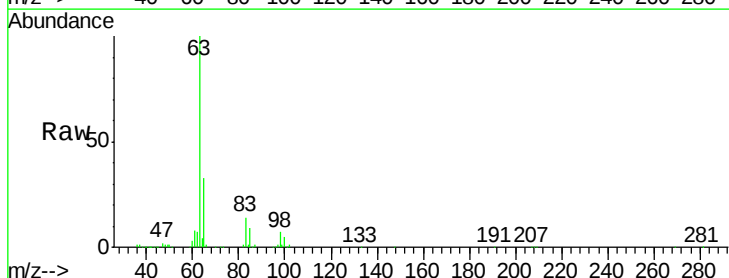
Tgt Ion: 63 Resp: 226180

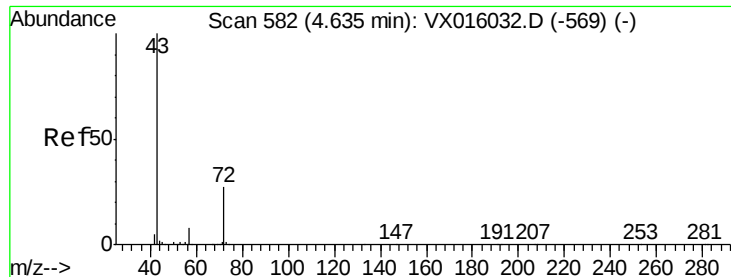
Ion Ratio Lower Upper

63 100

98 7.5 3.5 10.5

100 4.6 2.1 6.5





#25

2-Butanone

Concen: 303.513 ug/l

RT: 4.64 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX016267.D

Acq: 15 May 2020 05:59

Tot Ion: 43 Resp: 583660

Ion Ratio Lower Upper

43 100

72 28.2 21.8 32.8

Instrument :

MSVOA_X

ClientSampleId :

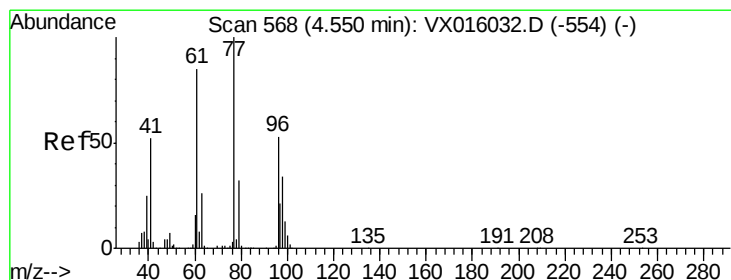
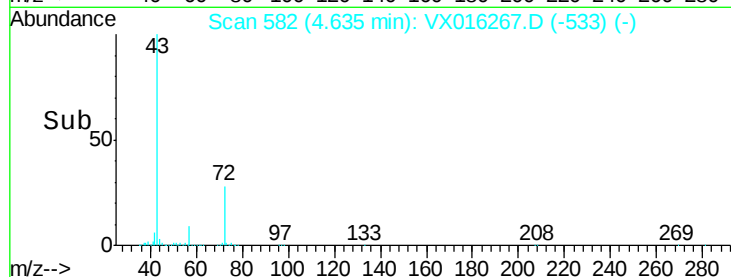
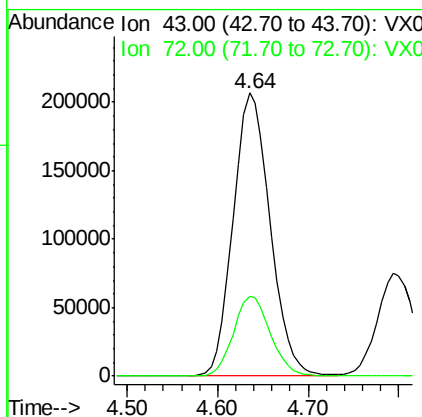
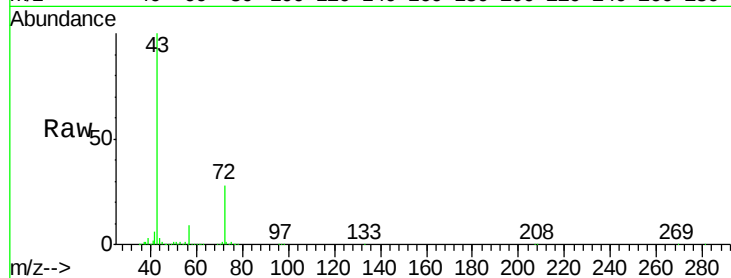
VSTDCCC050EC

Manual Integrations

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MMDadoda

5/15/2020 10:10:49 AM



#26

2,2-Dichloropropane

Concen: 33.517 ug/l

RT: 4.55 min Scan# 568

Delta R.T. -0.00 min

Lab File: VX016267.D

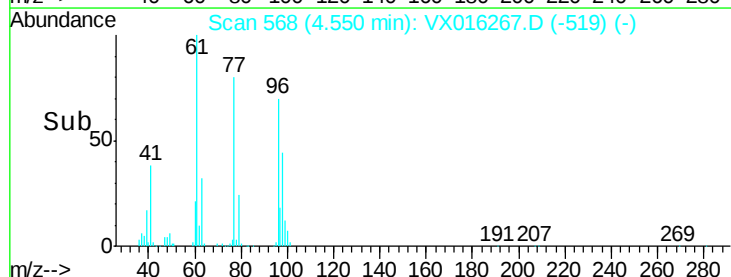
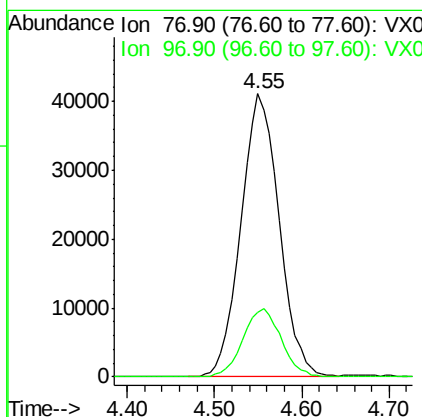
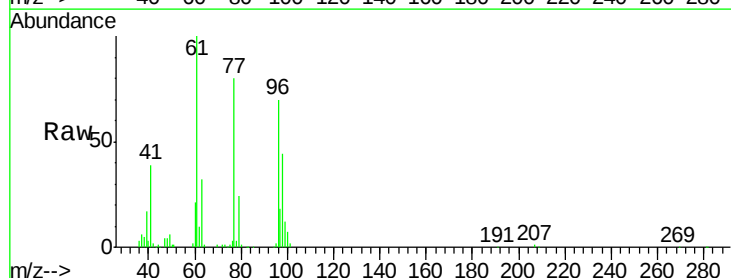
Acq: 15 May 2020 05:59

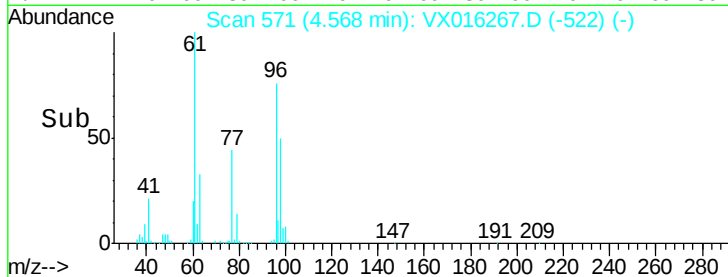
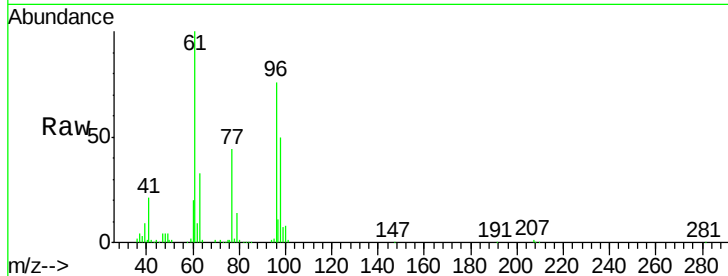
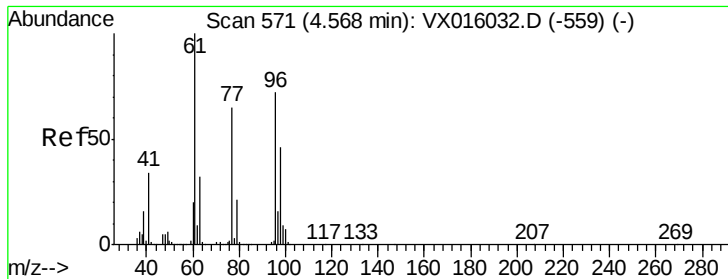
Tgt Ion: 77 Resp: 125142

Ion Ratio Lower Upper

77 100

97 24.2 11.2 33.6





#27

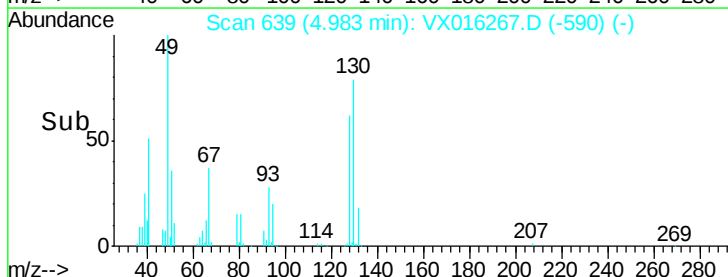
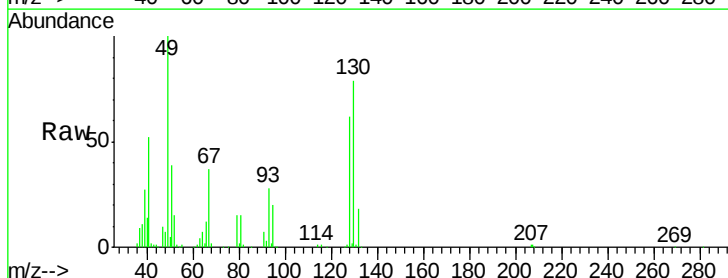
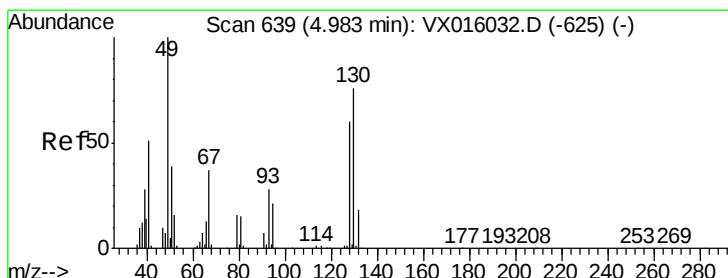
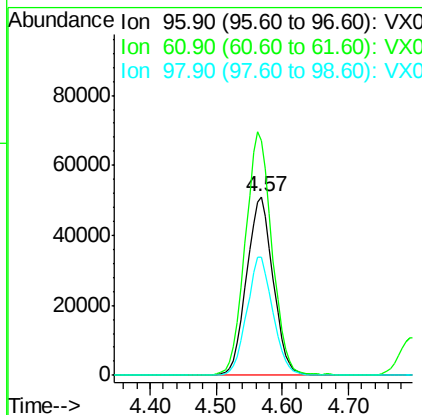
cis-1,2-Dichloroethene
Concen: 55.467 ug/l
RT: 4.57 min Scan# 571
Delta R.T. -0.00 min
Lab File: VX016267.D
Acq: 15 May 2020 05:59

Tot Ion	Ratio	Resp	Lower	Upper
96	100	142774		
61	137.0		0.0	296.2
98	65.1		0.0	129.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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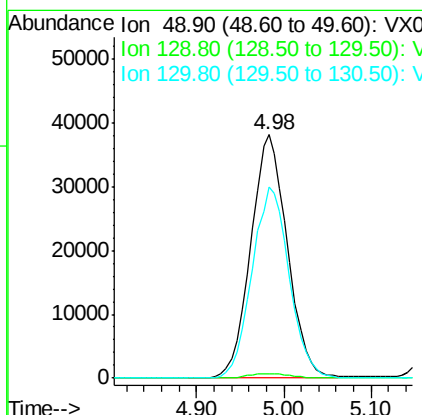
MMDadoda
5/15/2020 10:10:49 AM

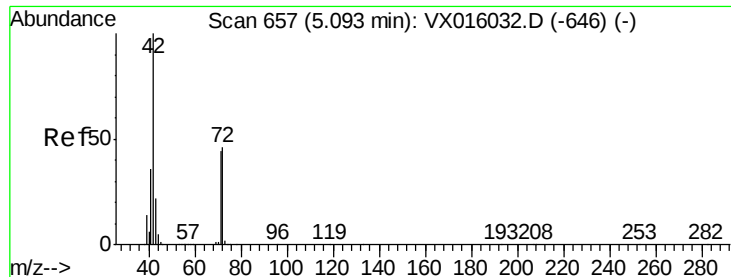


#28

Bromochloromethane
Concen: 59.506 ug/l
RT: 4.98 min Scan# 639
Delta R.T. -0.00 min
Lab File: VX016267.D
Acq: 15 May 2020 05:59

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	110932		
129	2.1		0.0	4.0
130	80.3		62.4	93.6





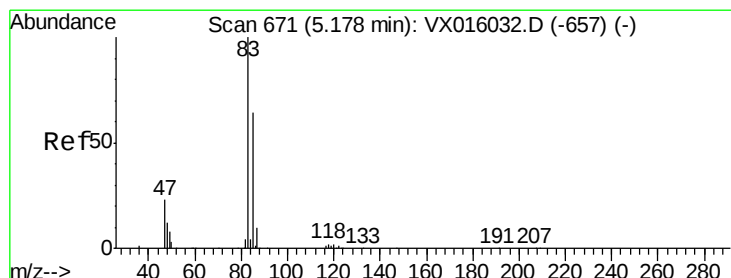
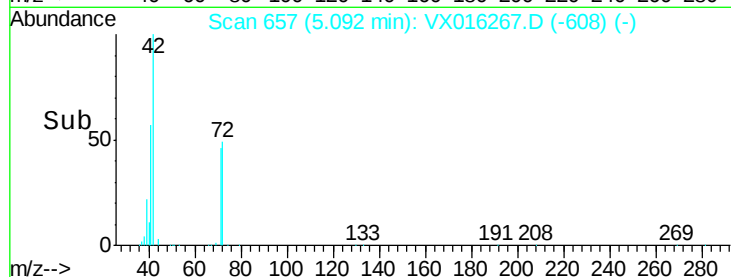
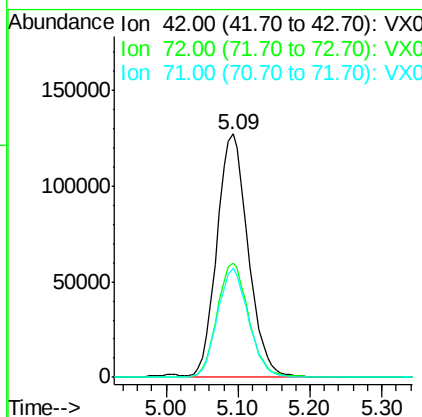
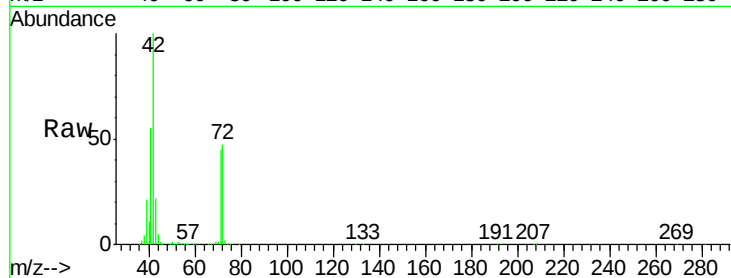
#29
Tetrahydrofuran
Concen: 299.941 ug/l
RT: 5.09 min Scan# 657
Delta R.T. -0.00 min
Lab File: VX016267.D
Acq: 15 May 2020 05:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:	42	Resp:	382182
Ion Ratio		Lower	Upper
42	100		
72	48.1	37.1	55.7
71	44.6	34.5	51.7

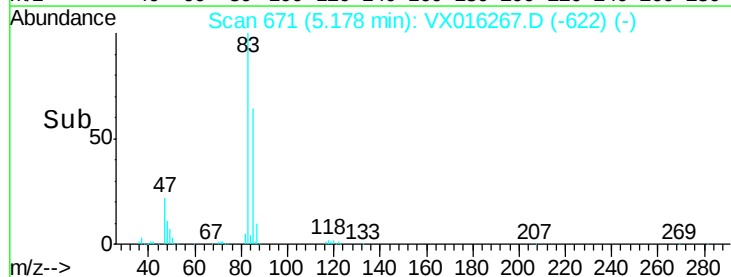
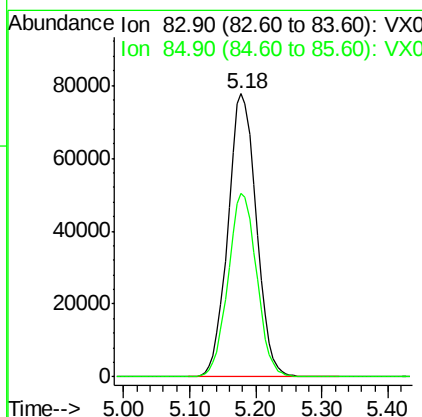
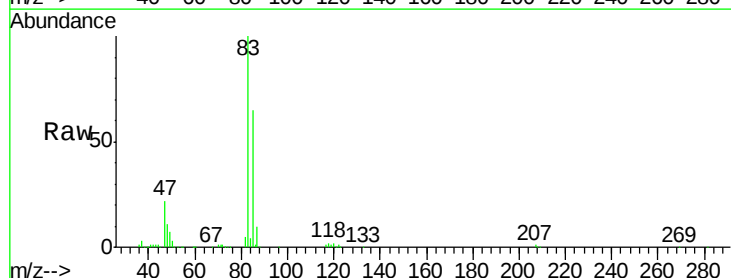
Manual Integrations
APPROVED

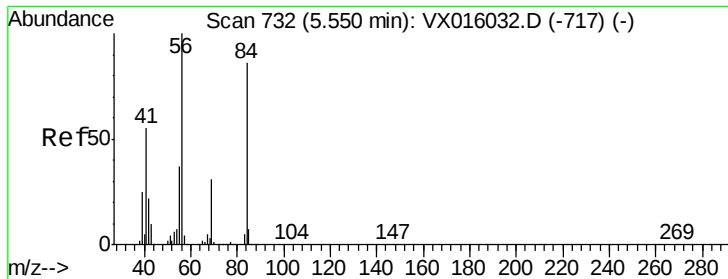
MMDadoda
5/15/2020 10:10:49 AM



#30
Chloroform
Concen: 56.873 ug/l
RT: 5.18 min Scan# 671
Delta R.T. -0.00 min
Lab File: VX016267.D
Acq: 15 May 2020 05:59

Tgt Ion:	83	Resp:	231507
Ion Ratio		Lower	Upper
83	100		
85	64.9	51.6	77.4





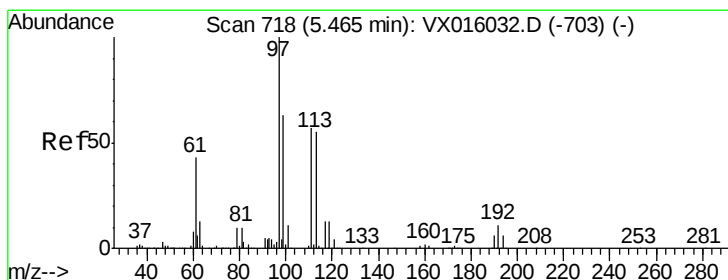
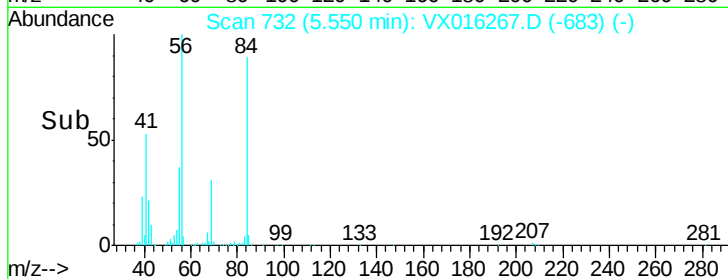
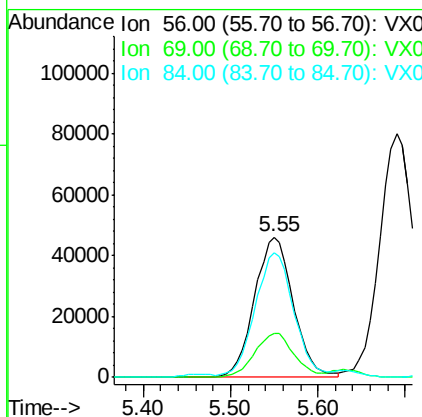
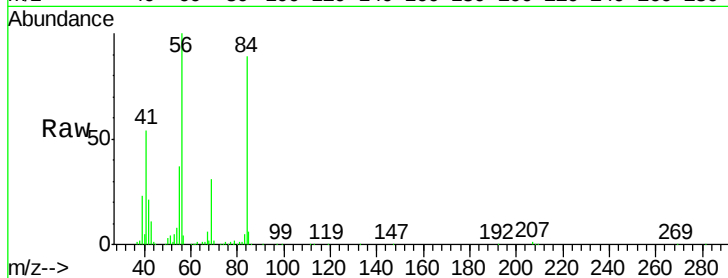
#31
Cyclohexane
Concen: 38.402 ug/l
RT: 5.55 min Scan# 732
Delta R.T. -0.00 min
Lab File: VX016267.D
Acq: 15 May 2020 05:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	31.3	25.0	37.6	
84	87.4	69.0	103.6	

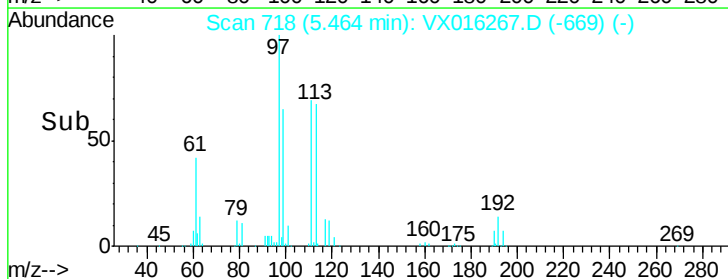
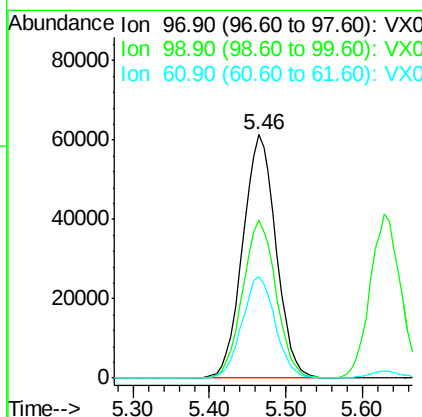
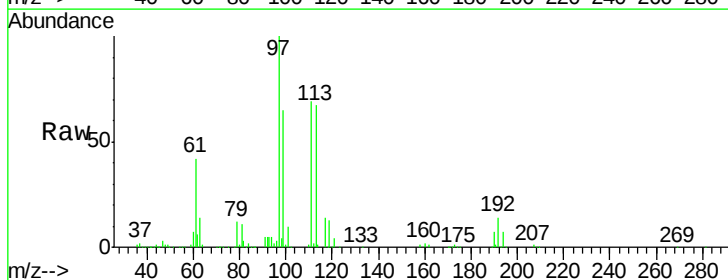
Manual Integrations
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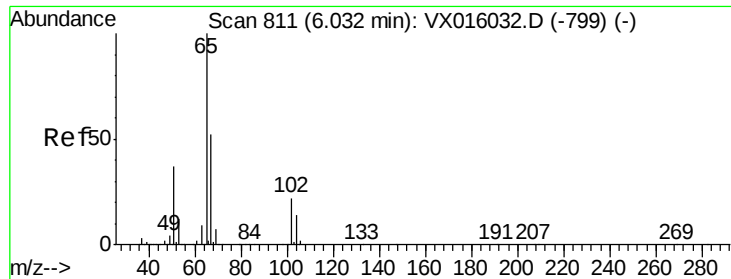
MMDadoda
5/15/2020 10:10:49 AM



#32
1,1,1-Trichloroethane
Concen: 50.152 ug/l
RT: 5.46 min Scan# 718
Delta R.T. -0.00 min
Lab File: VX016267.D
Acq: 15 May 2020 05:59

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	65.0	51.0	76.4	
61	41.6	34.5	51.7	





#33

1,2-Dichloroethane-d4

Concen: 56.805 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX016267.D

Acq: 15 May 2020 05:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 151929

Ion Ratio Lower Upper

65 100

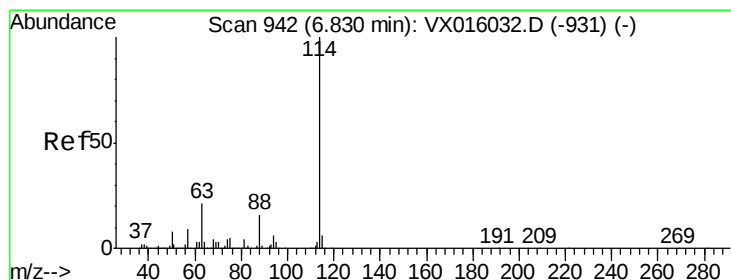
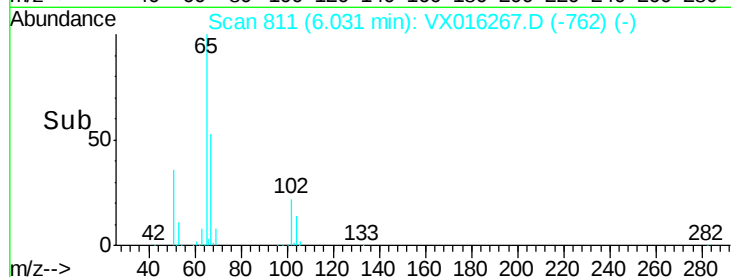
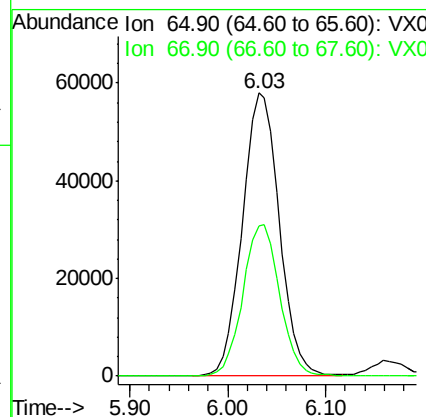
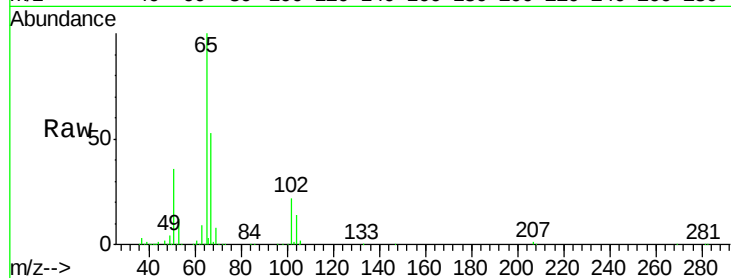
67 53.5 0.0 104.8

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX016267.D

Acq: 15 May 2020 05:59

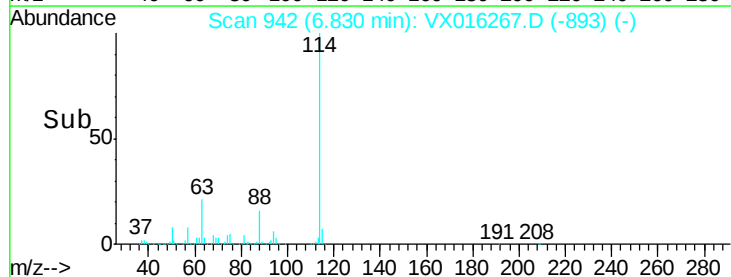
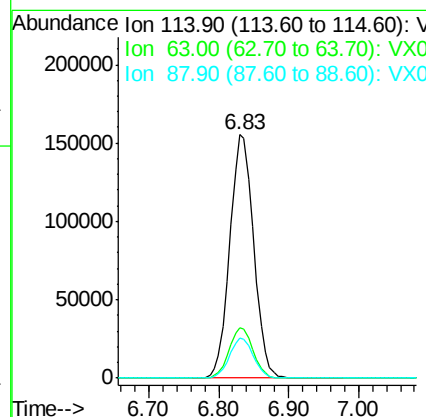
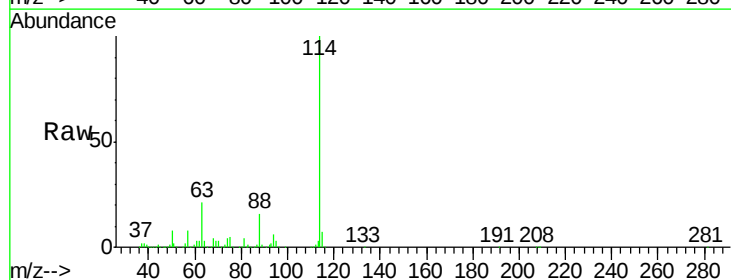
Tgt Ion: 114 Resp: 368664

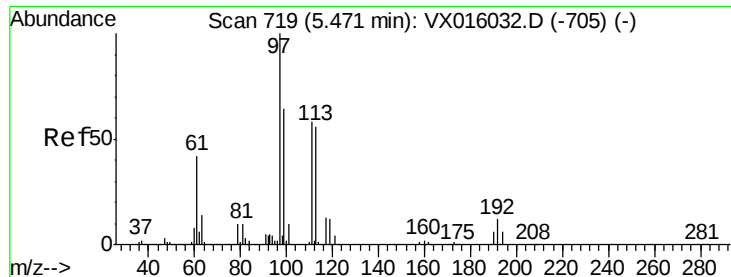
Ion Ratio Lower Upper

114 100

63 20.7 0.0 42.8

88 16.3 0.0 31.4





#35

Dibromofluoromethane

Concen: 51.139 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX016267.D

Acq: 15 May 2020 05:59

Instrument :

MSVOA_X

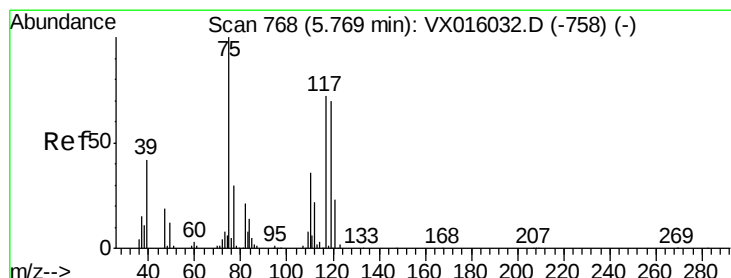
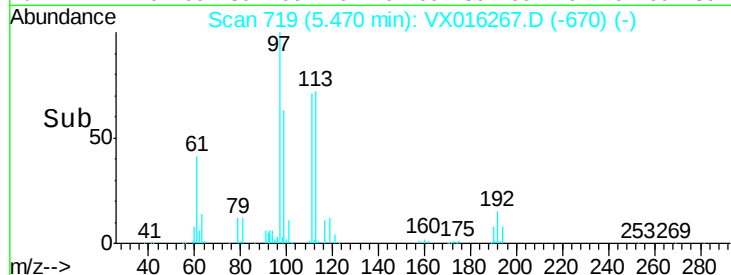
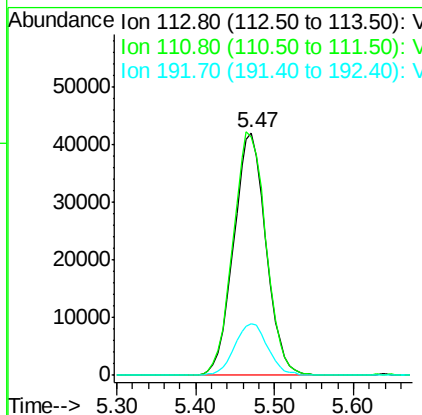
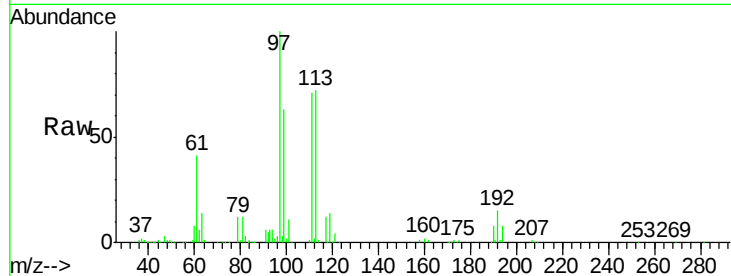
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.6	122.4
192	22.0	17.0	25.4

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#36

1,1-Dichloropropene

Concen: 40.439 ug/l

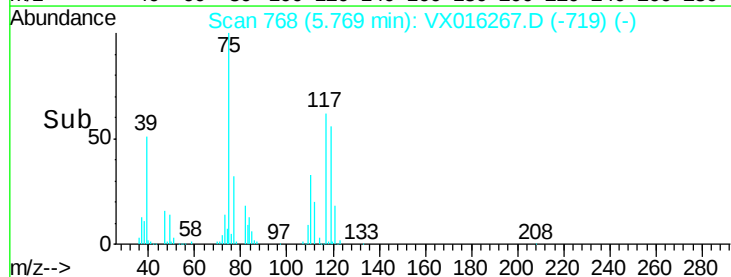
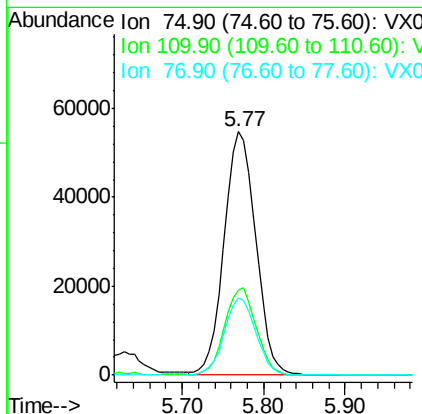
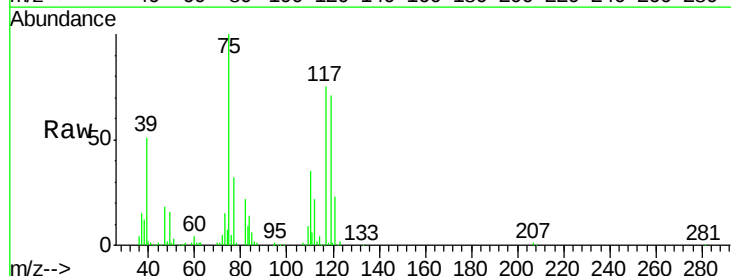
RT: 5.77 min Scan# 768

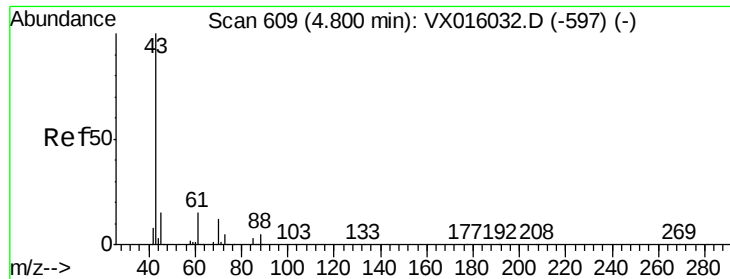
Delta R.T. -0.00 min

Lab File: VX016267.D

Acq: 15 May 2020 05:59

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.8	18.1	54.1
77	31.7	25.0	37.6





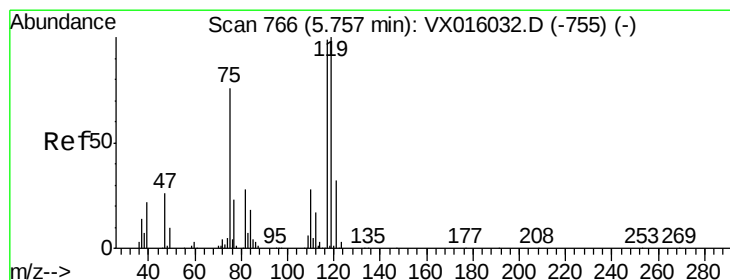
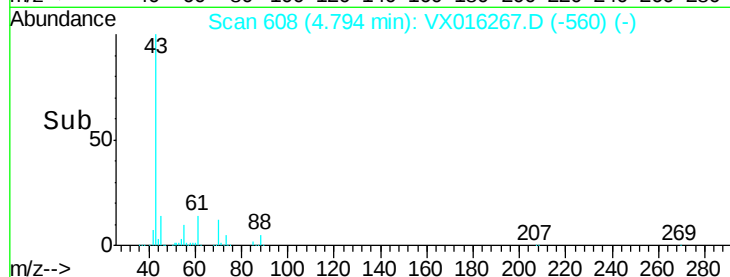
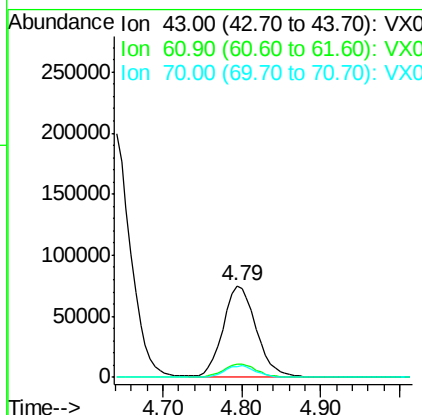
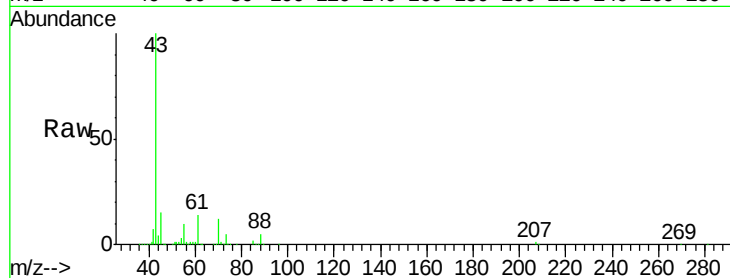
#37
Ethyl Acetate
Concen: 51.616 ug/l
RT: 4.79 min Scan# 608
Delta R.T. -0.01 min
Lab File: VX016267.D
Acq: 15 May 2020 05:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:	43	Resp:	217102
Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.7	17.5
70	12.3	9.3	13.9

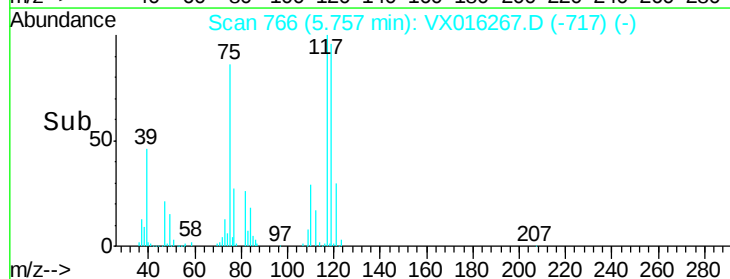
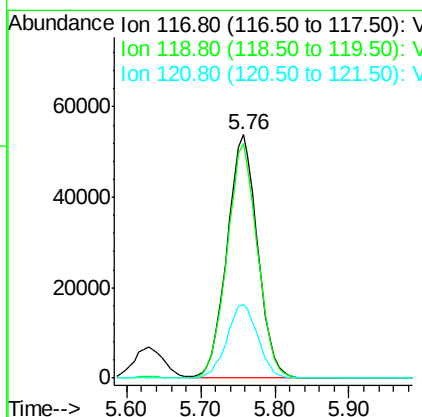
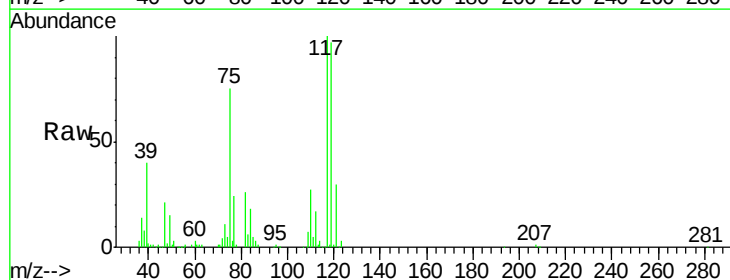
Manual Integrations
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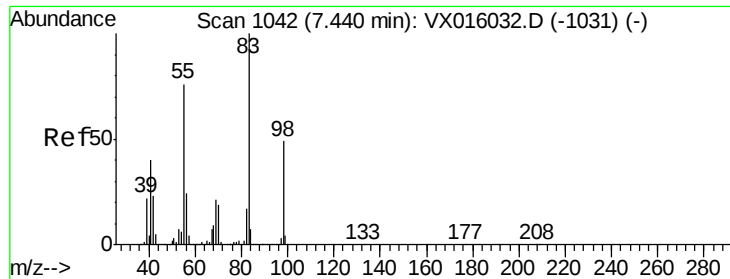
MMDadoda
5/15/2020 10:10:49 AM



#38
Carbon Tetrachloride
Concen: 41.767 ug/l
RT: 5.76 min Scan# 766
Delta R.T. -0.00 min
Lab File: VX016267.D
Acq: 15 May 2020 05:59

Tgt Ion:	117	Resp:	154062
Ion	Ratio	Lower	Upper
117	100		
119	96.4	80.3	120.5
121	30.1	25.7	38.5





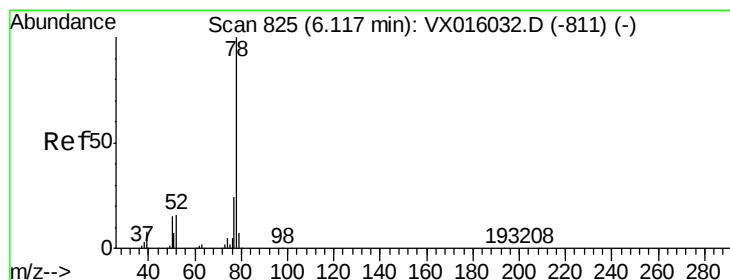
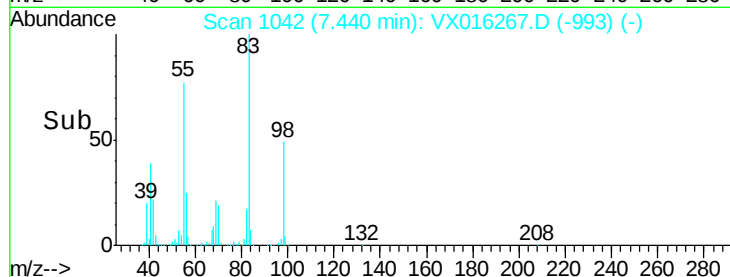
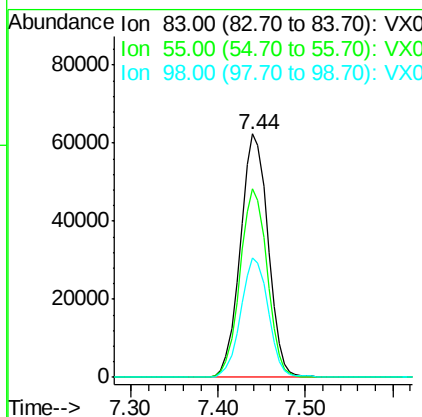
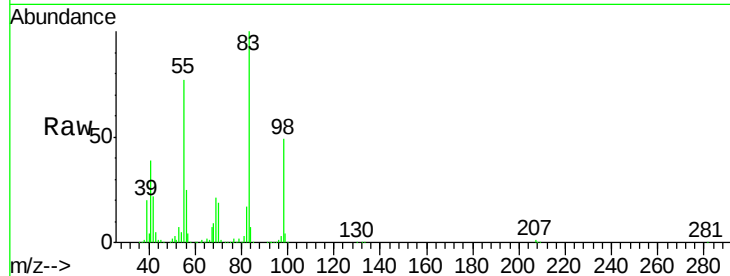
#39
Methvlcvclohexane
Concen: 31.422 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VX016267.D
Acq: 15 May 2020 05:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.3	61.1	91.7
98	49.2	39.0	58.4

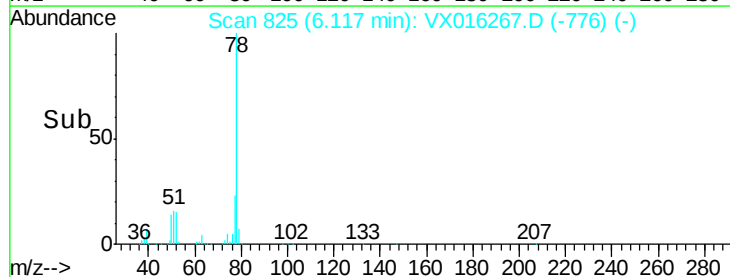
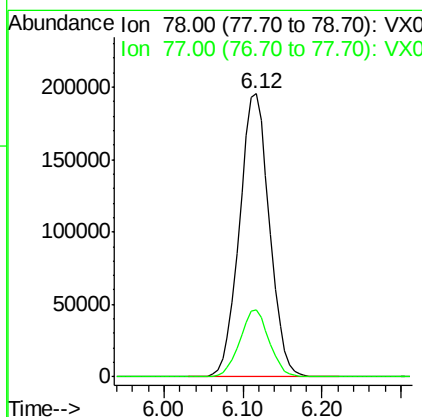
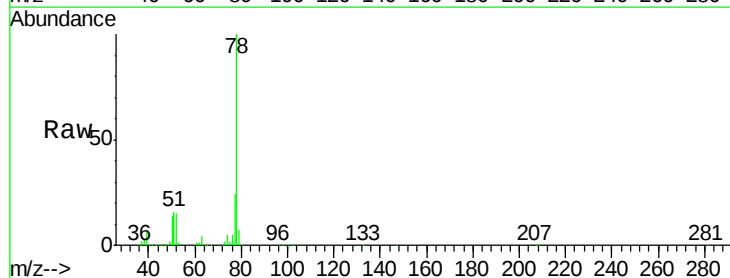
Manual Integrations
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5/15/2020 10:10:49 AM



#40
Benzene
Concen: 48.558 ug/l
RT: 6.12 min Scan# 825
Delta R.T. -0.00 min
Lab File: VX016267.D
Acq: 15 May 2020 05:59

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.0	28.4





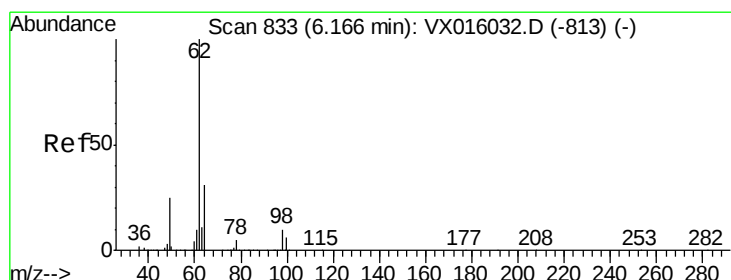
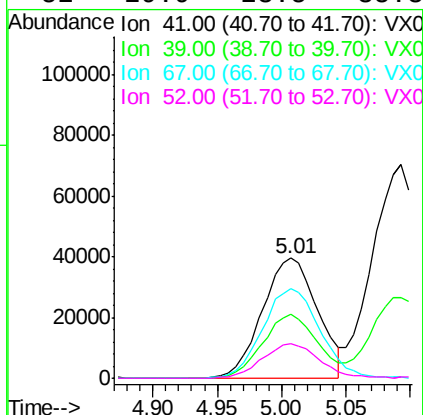
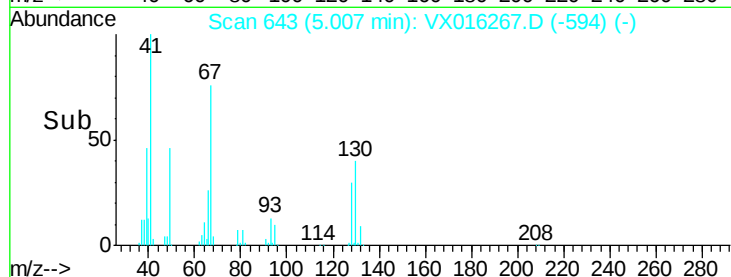
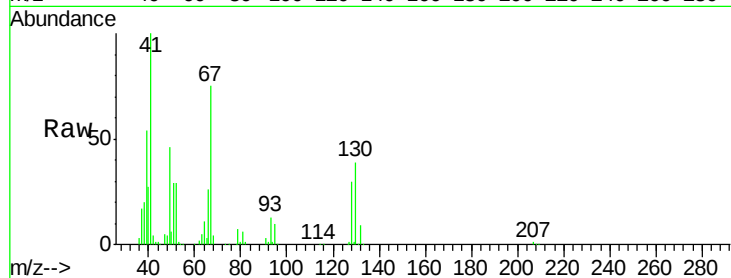
#41
Methacrylonitrile
Concen: 51.458 ug/l
RT: 5.01 min Scan# 643
Delta R.T. -0.00 min
Lab File: VX016267.D
Acq: 15 May 2020 05:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.6	43.2	64.8	
67	78.3	59.3	88.9	
52	29.9	23.5	35.3	

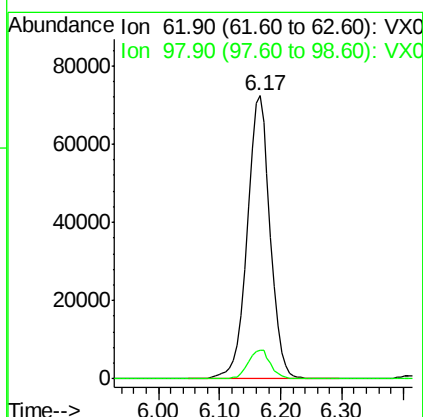
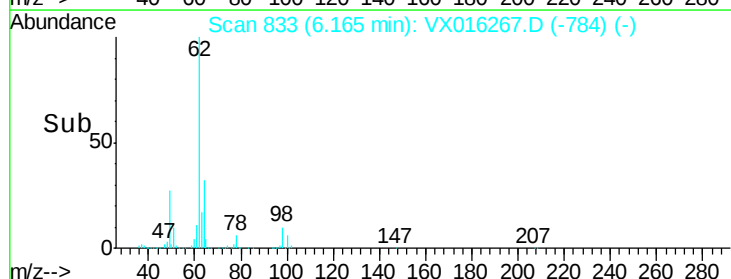
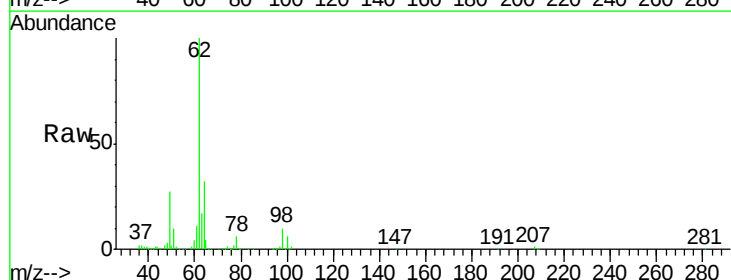
Manual Integrations
APPROVED

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5/15/2020 10:10:49 AM



#42
1,2-Dichloroethane
Concen: 49.566 ug/l
RT: 6.17 min Scan# 833
Delta R.T. -0.00 min
Lab File: VX016267.D
Acq: 15 May 2020 05:59

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.1	0.0	19.4	





#43

Isopropyl Acetate

Concen: 51.378 ug/l

RT: 6.42 min Scan# 874

Delta R.T. -0.00 min

Lab File: VX016267.D

Acq: 15 May 2020 05:59

Instrument :

MSVOA_X

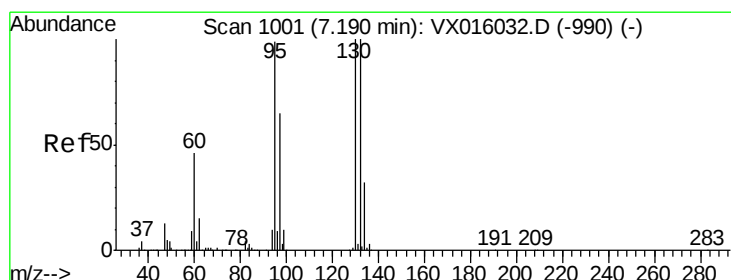
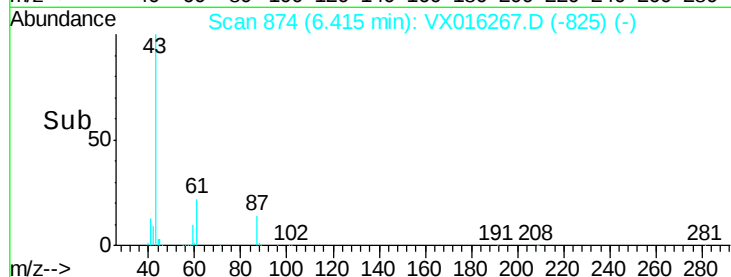
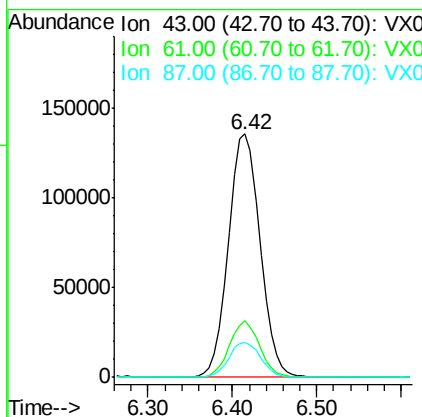
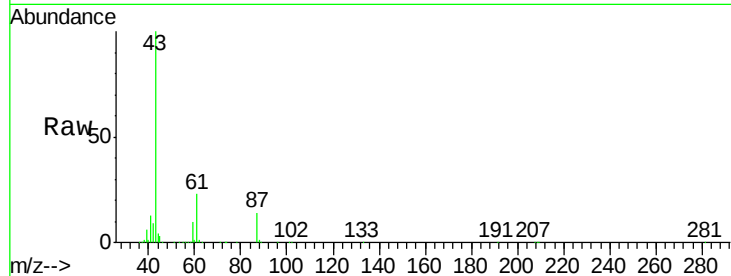
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	344797
Ion	Ratio	Lower	Upper
43	100		
61	22.1	17.0	25.4
87	14.5	11.0	16.6

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#44

Trichloroethene

Concen: 41.366 ug/l

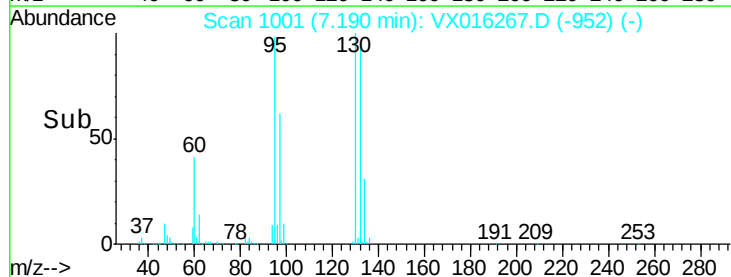
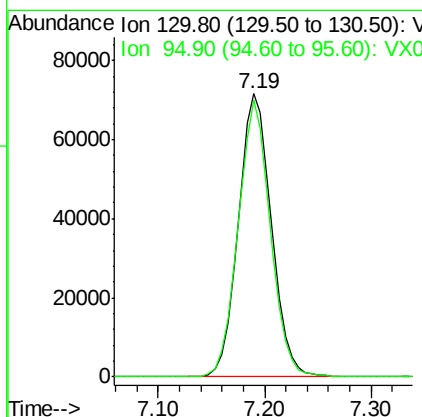
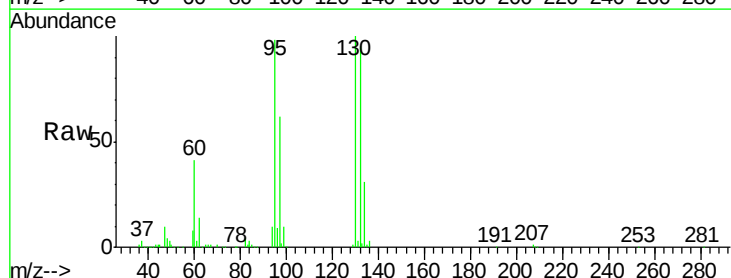
RT: 7.19 min Scan# 1001

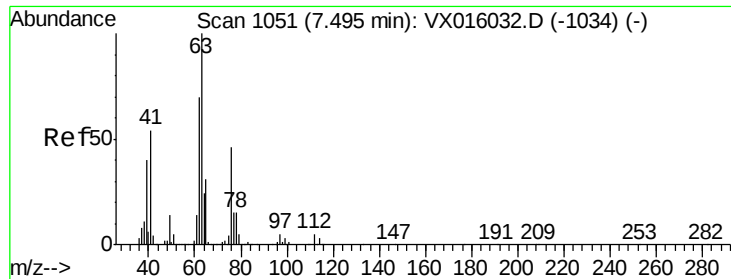
Delta R.T. -0.00 min

Lab File: VX016267.D

Acq: 15 May 2020 05:59

Tgt Ion:	130	Resp:	156045
Ion	Ratio	Lower	Upper
130	100		
95	97.9	0.0	197.4





#45

1,2-Dichloropropane

Concen: 51.640 ug/l

RT: 7.49 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VX016267.D

Acq: 15 May 2020 05:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 138745

Ion Ratio Lower Upper

63 100

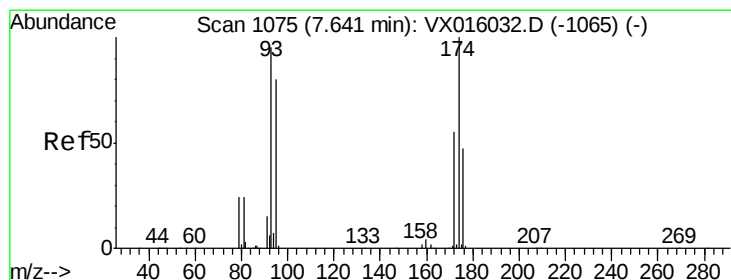
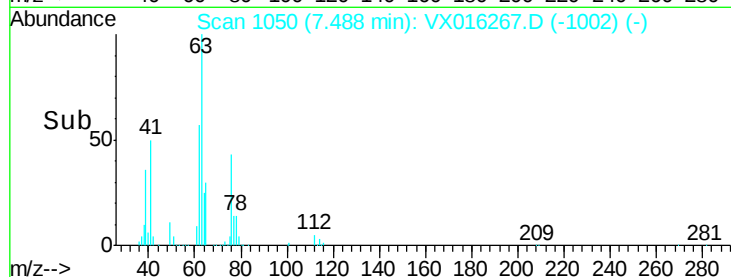
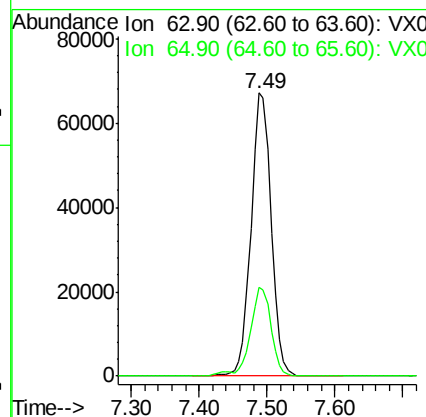
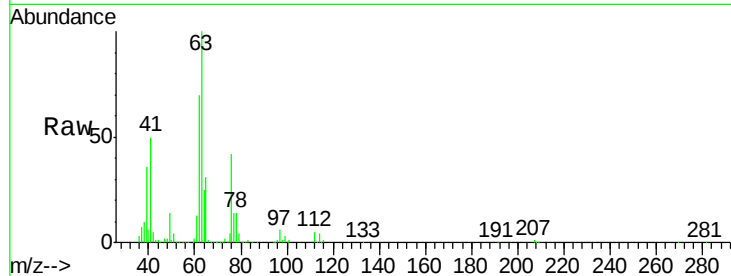
65 31.2 24.4 36.6

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#46

Dibromomethane

Concen: 50.892 ug/l

RT: 7.64 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VX016267.D

Acq: 15 May 2020 05:59

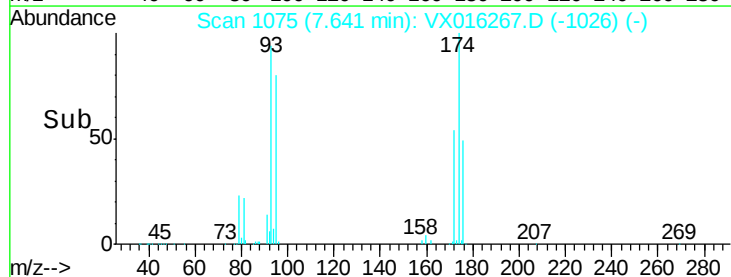
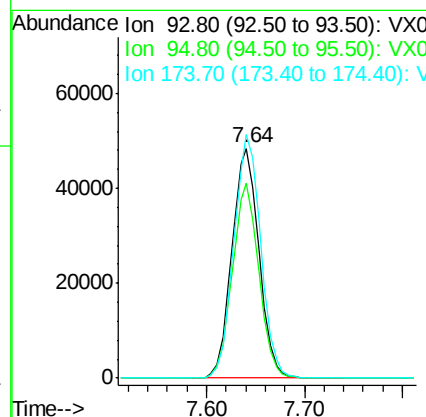
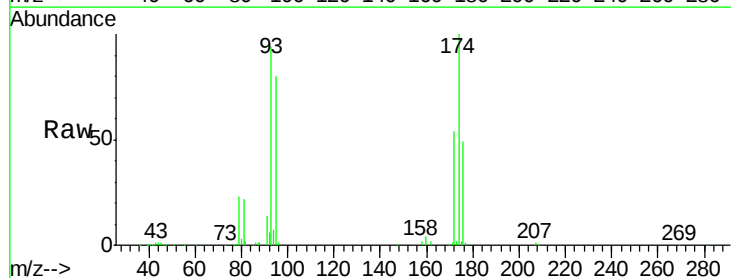
Tgt Ion: 93 Resp: 92922

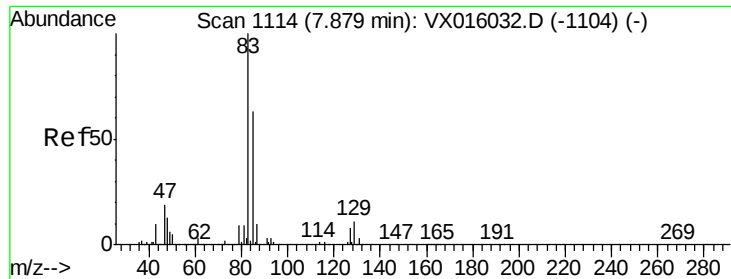
Ion Ratio Lower Upper

93 100

95 83.2 66.6 100.0

174 105.4 84.2 126.4





#47

Bromodichloromethane

Concen: 52.015 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VX016267.D

Acq: 15 May 2020 05:59

Instrument :

MSVOA_X

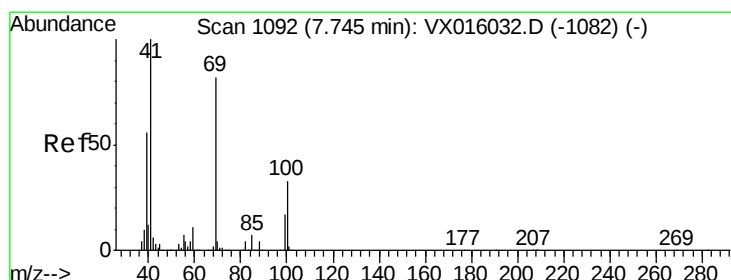
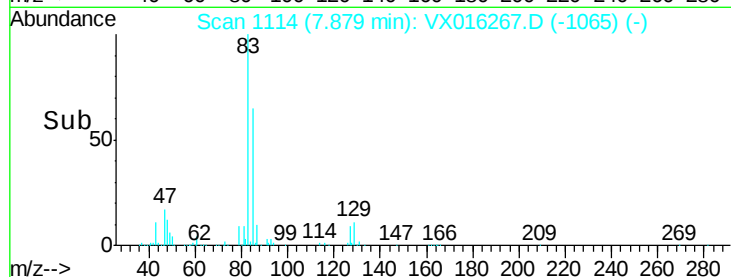
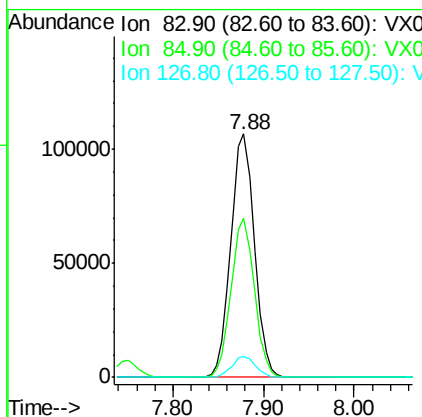
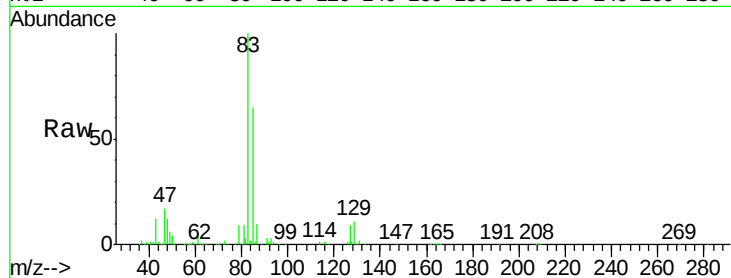
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	193425
Ion Ratio	Lower	Upper	
83	100		
85	65.2	50.5	75.7
127	8.8	6.7	10.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 51.378 ug/l

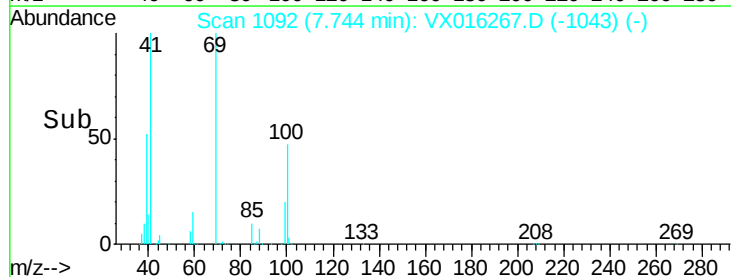
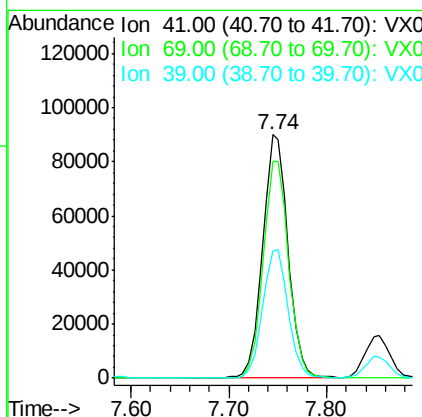
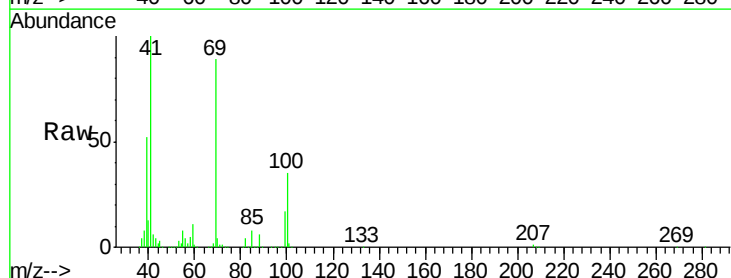
RT: 7.74 min Scan# 1092

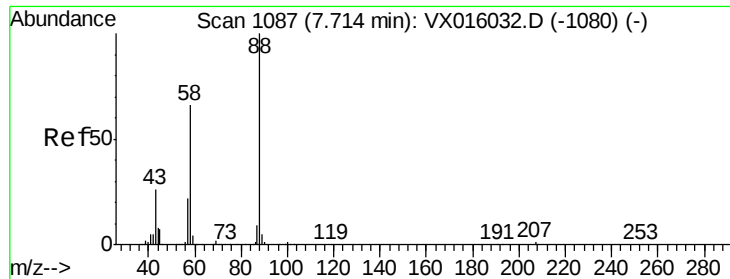
Delta R.T. -0.00 min

Lab File: VX016267.D

Acq: 15 May 2020 05:59

Tgt Ion:	41	Resp:	163381
Ion Ratio	Lower	Upper	
41	100		
69	89.8	67.8	101.6
39	53.0	44.6	67.0





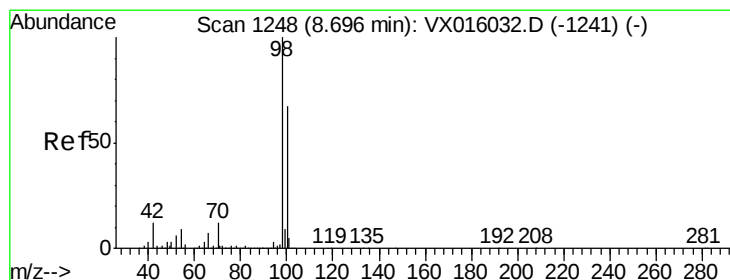
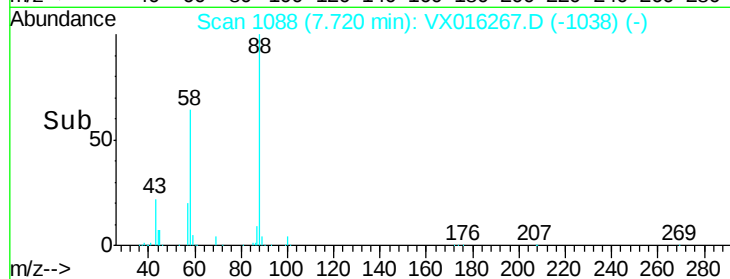
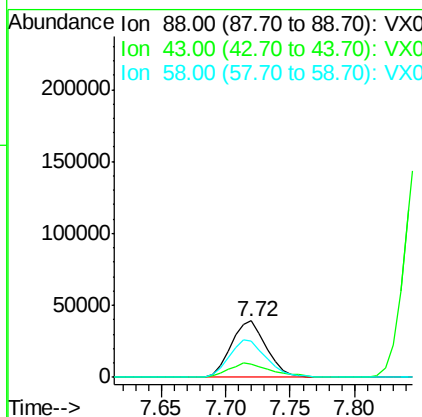
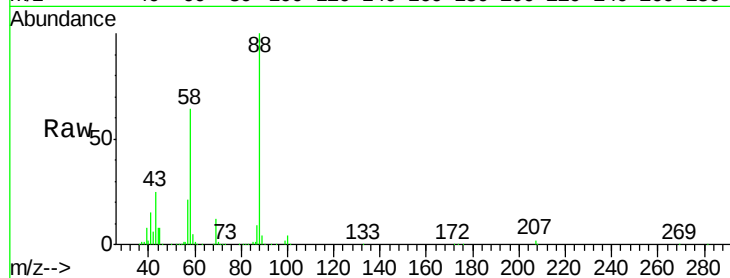
#49
1,4-Dioxane
Concen: 979.318 ug/l
RT: 7.72 min Scan# 1088
Delta R.T. 0.01 min
Lab File: VX016267.D
Acq: 15 May 2020 05:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.3	25.3	37.9
58	70.2	55.9	83.9

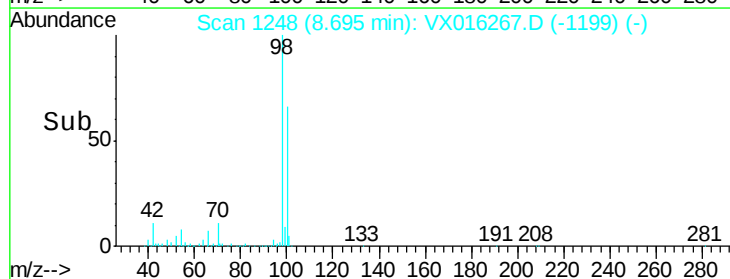
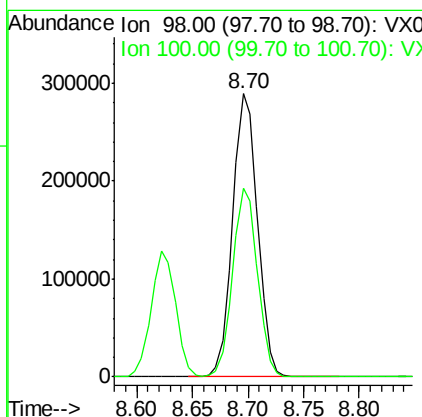
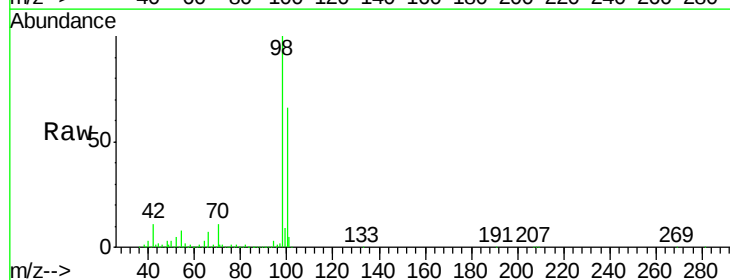
Manual Integrations
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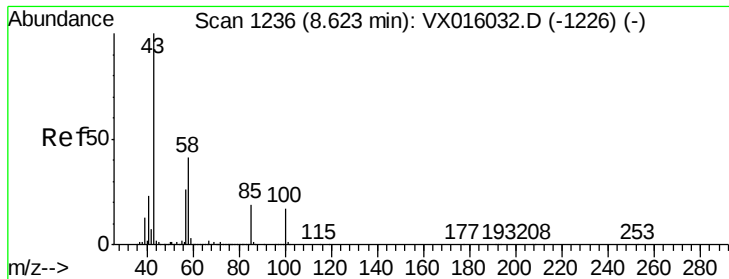
MMDadoda
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#50
Toluene-d8
Concen: 49.676 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016267.D
Acq: 15 May 2020 05:59

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.6	53.7	80.5





#51

4-Methyl-2-Pentanone

Concen: 272.426 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VX016267.D

Acq: 15 May 2020 05:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1118776

Ion Ratio Lower Upper

43 100

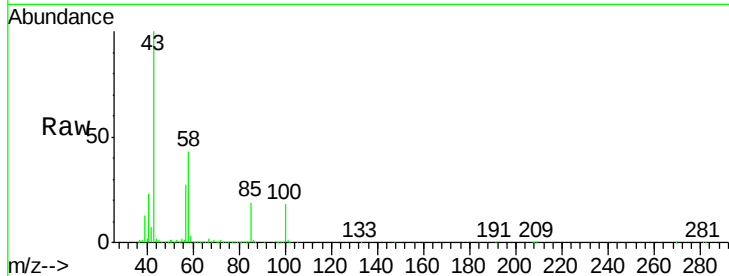
58 42.5 33.0 49.4

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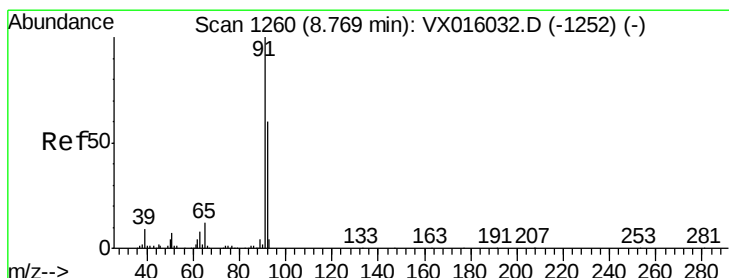
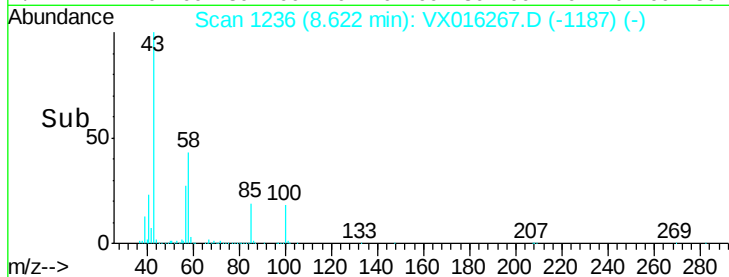
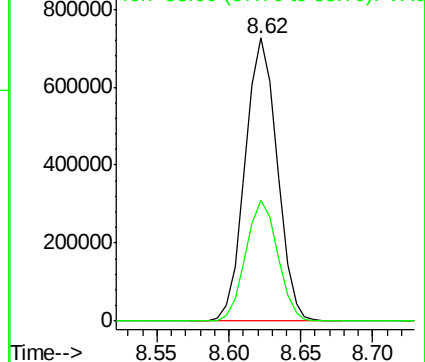
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 48.623 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VX016267.D

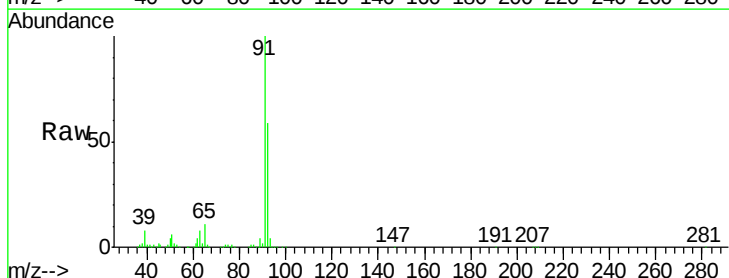
Acq: 15 May 2020 05:59

Tgt Ion: 92 Resp: 321814

Ion Ratio Lower Upper

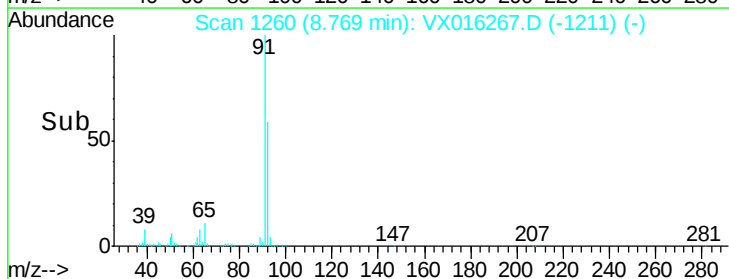
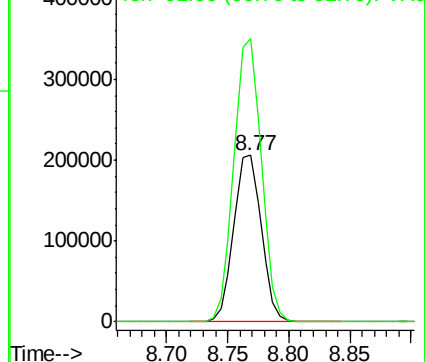
92 100

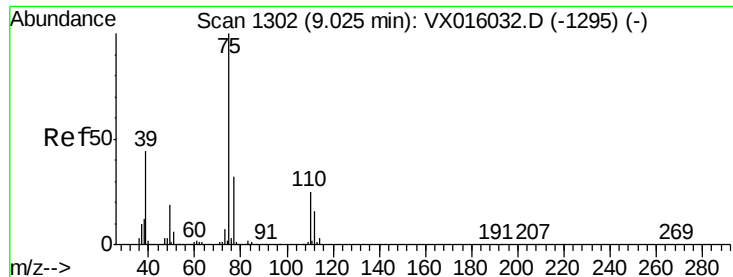
91 169.2 134.5 201.7



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 47.512 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VX016267.D

Acq: 15 May 2020 05:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 210657

Ion Ratio Lower Upper

75 100

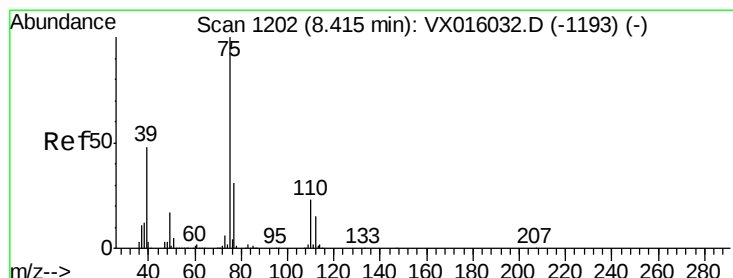
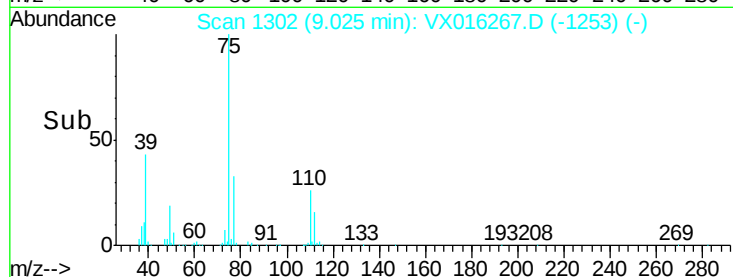
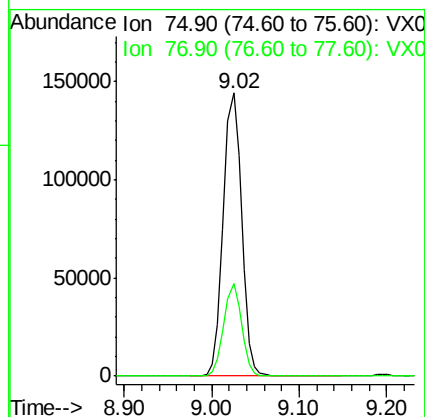
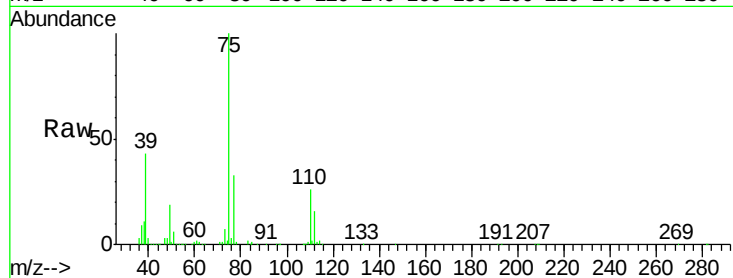
77 32.6 25.7 38.5

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#54

cis-1,3-Dichloropropene

Concen: 47.790 ug/l

RT: 8.42 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VX016267.D

Acq: 15 May 2020 05:59

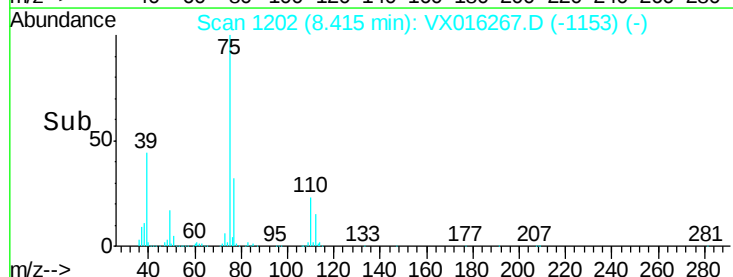
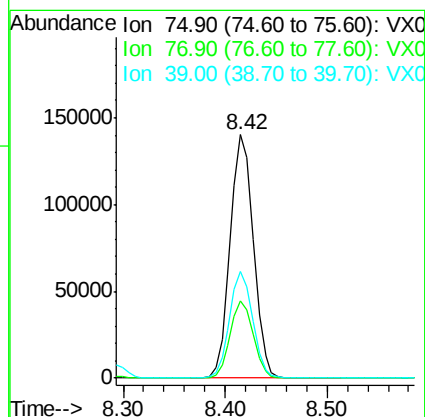
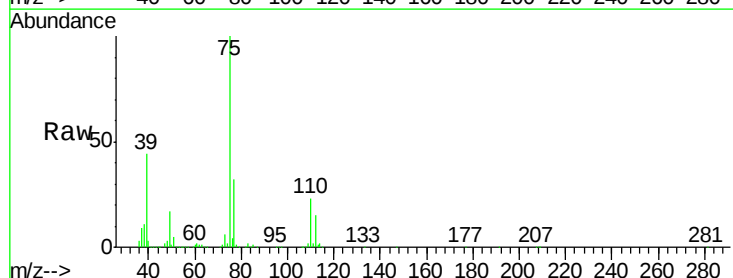
Tgt Ion: 75 Resp: 221319

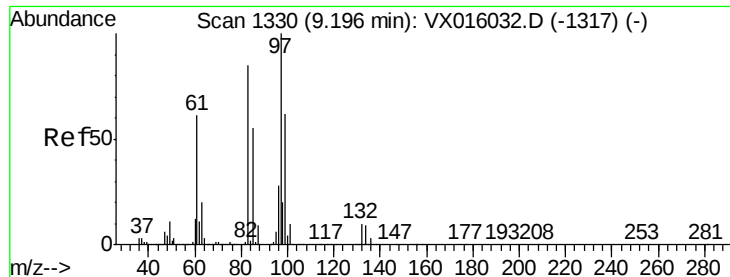
Ion Ratio Lower Upper

75 100

77 31.6 24.7 37.1

39 43.6 38.7 58.1





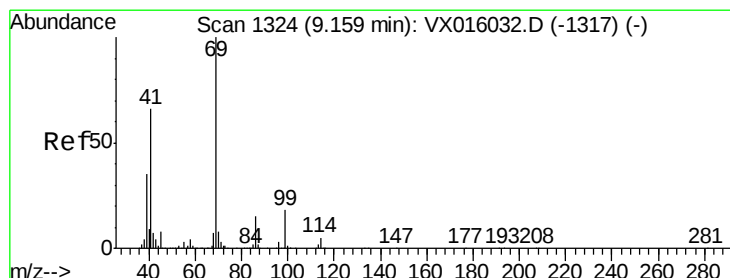
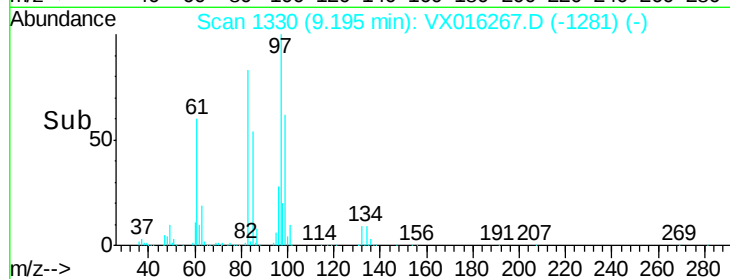
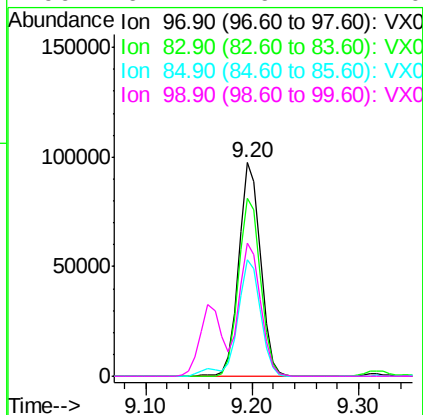
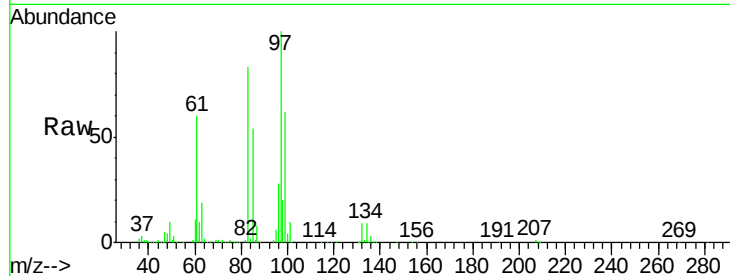
#55
 1,1,2-Trichloroethane
 Concen: 53.951 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VX016267.D
 Acq: 15 May 2020 05:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	83.5	67.8	101.8	
85	54.4	43.8	65.8	
99	62.1	49.4	74.0	

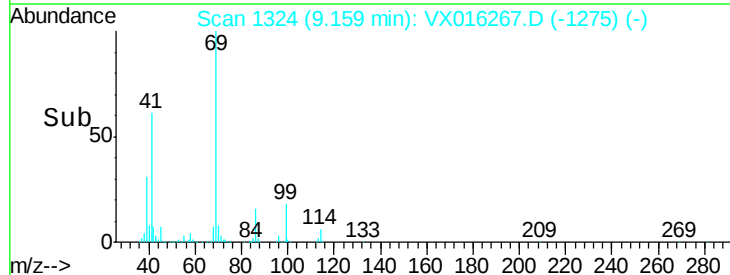
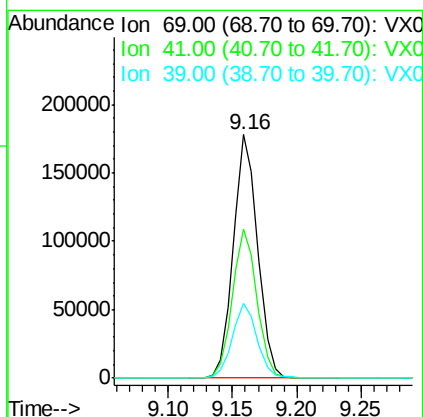
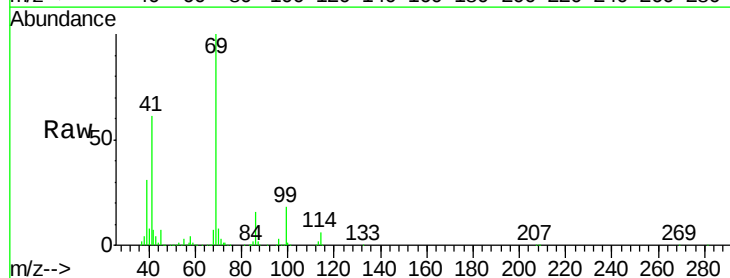
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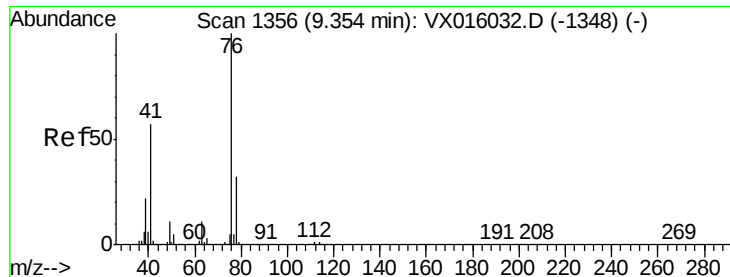
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 5/15/2020 10:10:49 AM



#56
 Ethyl methacrylate
 Concen: 55.299 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VX016267.D
 Acq: 15 May 2020 05:59

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	61.5	52.2	78.4	
39	31.0	28.2	42.4	





#57

1,3-Dichloropropane

Concen: 53.111 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. -0.00 min

Lab File: VX016267.D

Acq: 15 May 2020 05:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 241319

Ion Ratio Lower Upper

76 100

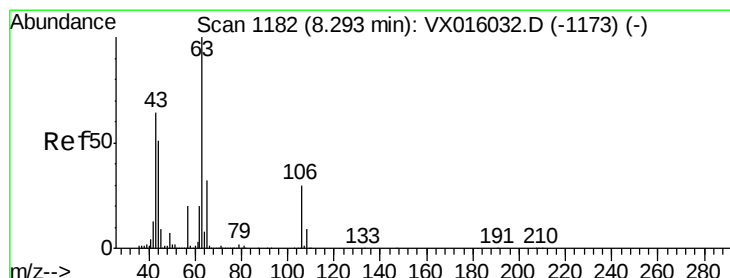
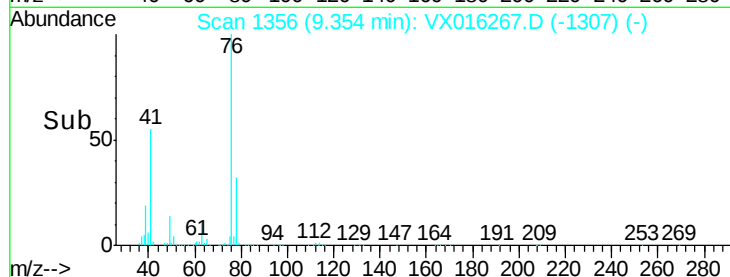
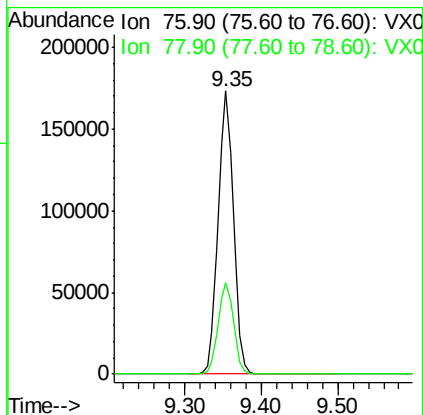
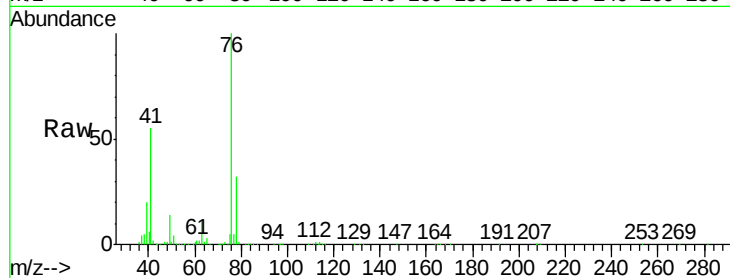
78 32.6 25.9 38.9

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 275.957 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VX016267.D

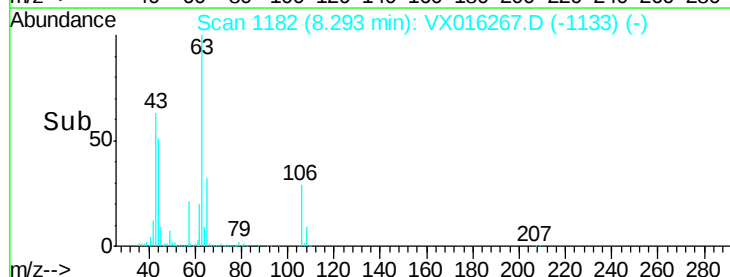
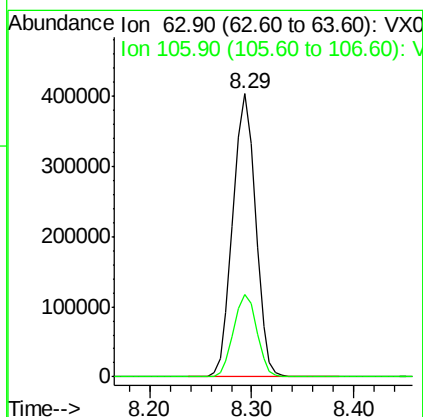
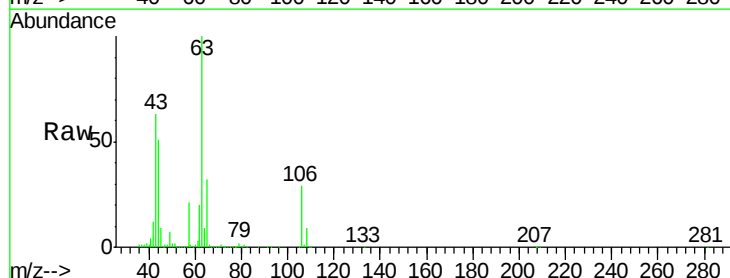
Acq: 15 May 2020 05:59

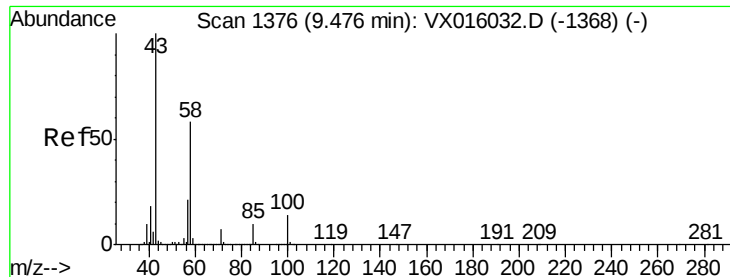
Tgt Ion: 63 Resp: 624450

Ion Ratio Lower Upper

63 100

106 29.6 23.4 35.2





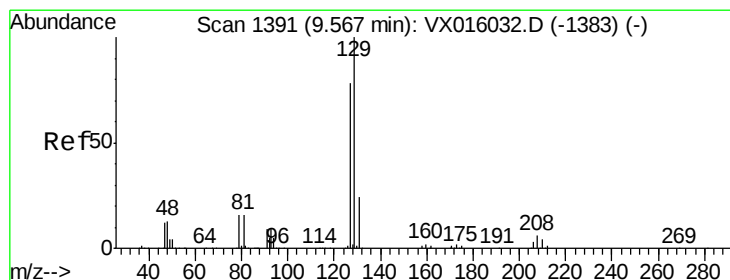
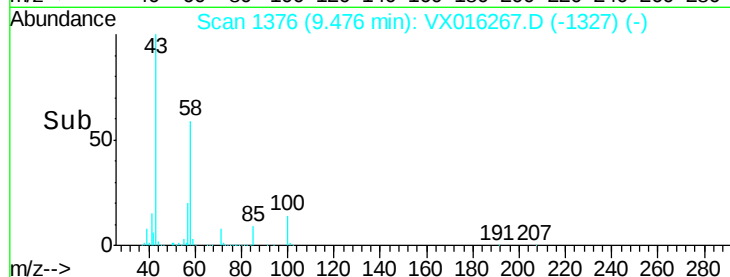
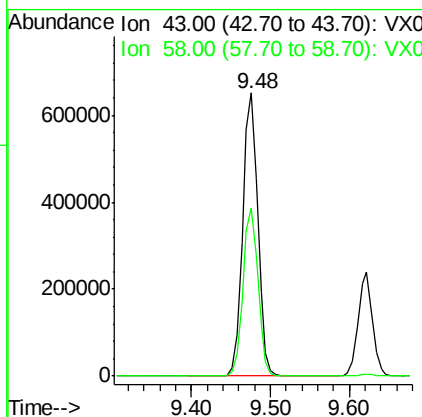
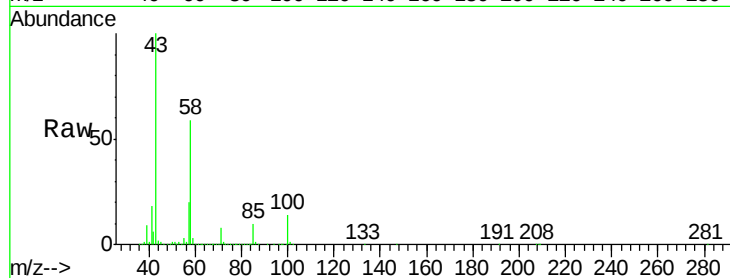
#59
2-Hexanone
Concen: 268.617 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. -0.00 min
Lab File: VX016267.D
Acq: 15 May 2020 05:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 866316
Ion Ratio Lower Upper
43 100
58 59.3 28.6 85.9

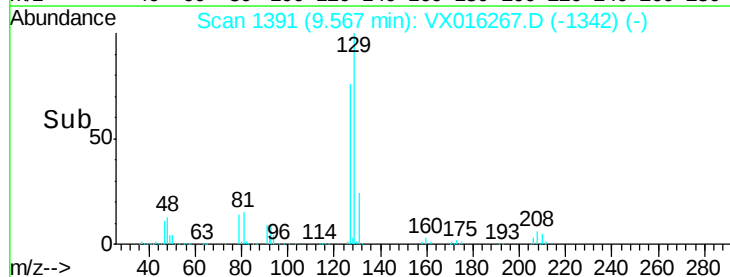
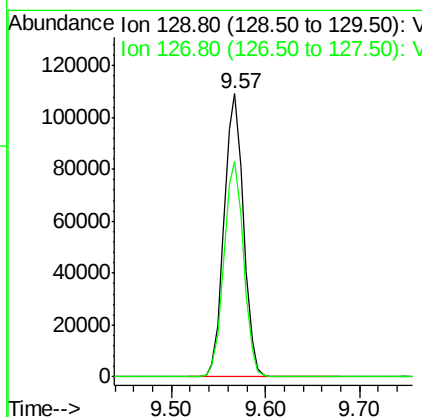
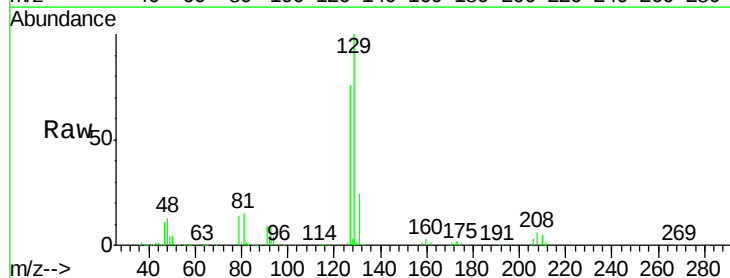
Manual Integrations
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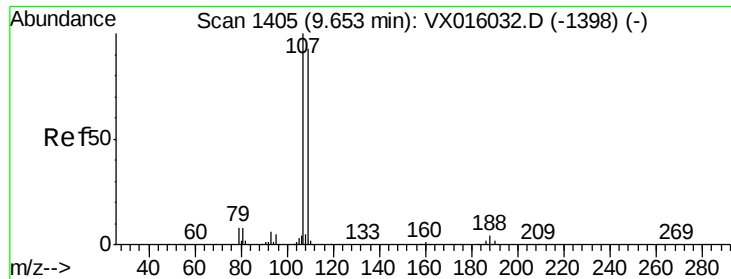
MMDadoda
5/15/2020 10:10:49 AM



#60
Dibromochloromethane
Concen: 54.429 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VX016267.D
Acq: 15 May 2020 05:59

Tgt Ion: 129 Resp: 156097
Ion Ratio Lower Upper
129 100
127 77.0 38.4 115.2





#61

1,2-Dibromoethane

Concen: 52.808 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. -0.00 min

Lab File: VX016267.D

Acq: 15 May 2020 05:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 148949

Ion Ratio Lower Upper

107 100

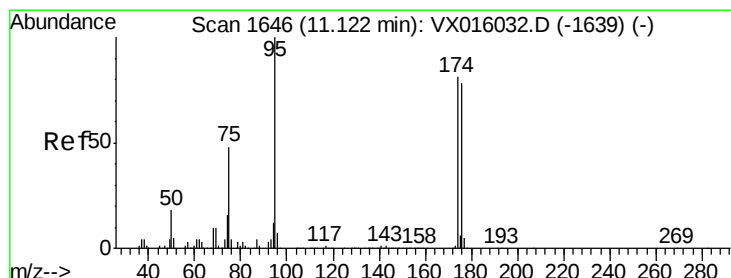
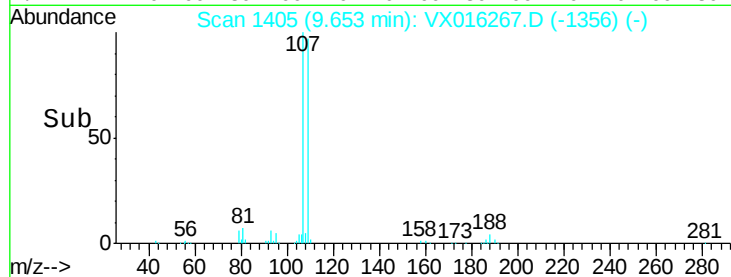
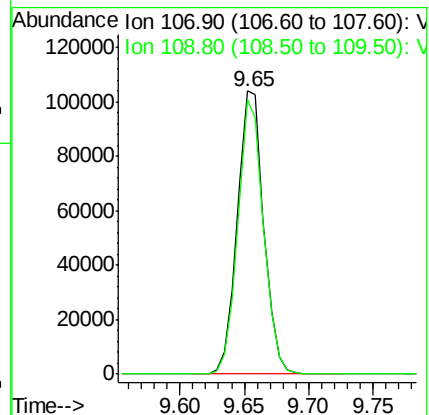
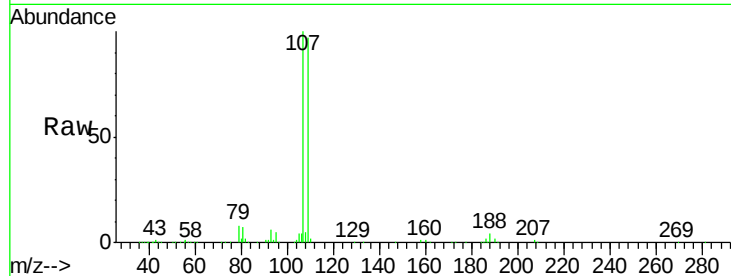
109 94.2 74.9 112.3

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5/15/2020 10:10:49 AM



#62

4-Bromofluorobenzene

Concen: 51.991 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016267.D

Acq: 15 May 2020 05:59

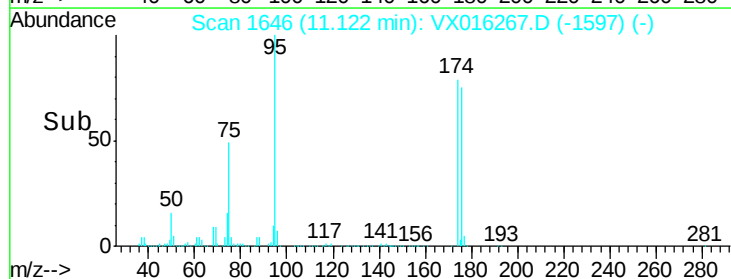
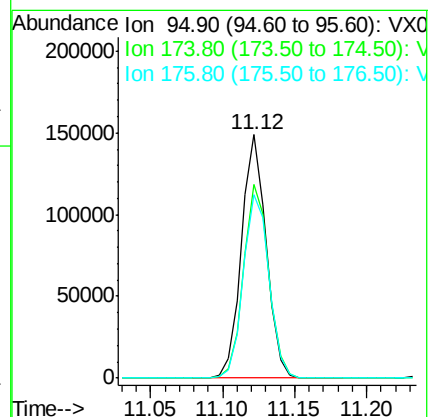
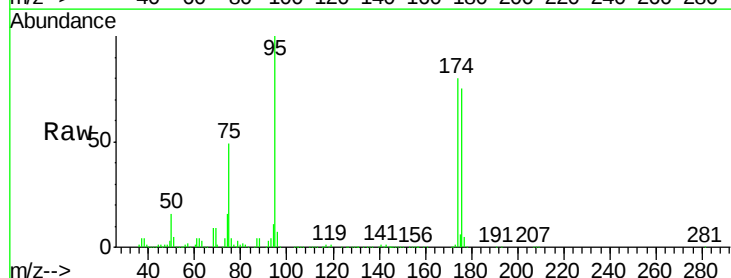
Tgt Ion: 95 Resp: 177962

Ion Ratio Lower Upper

95 100

174 80.6 0.0 159.4

176 78.2 0.0 157.6





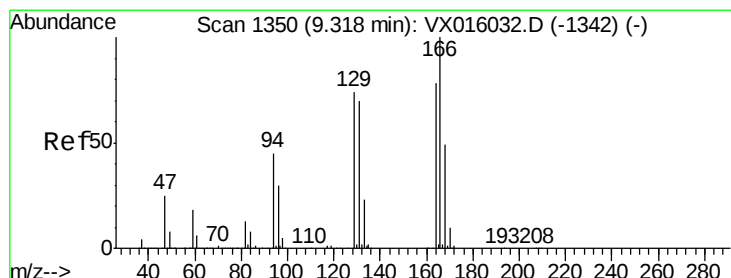
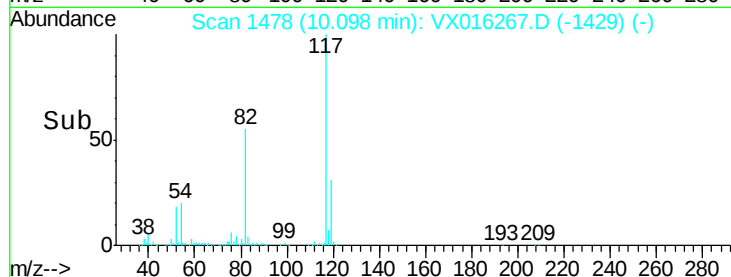
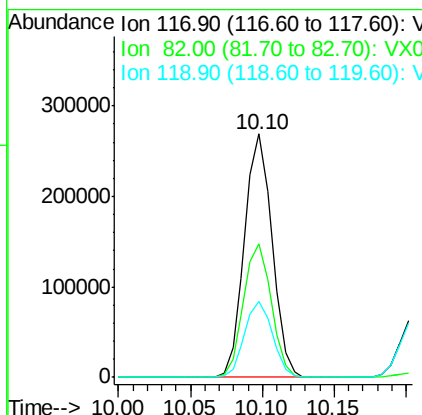
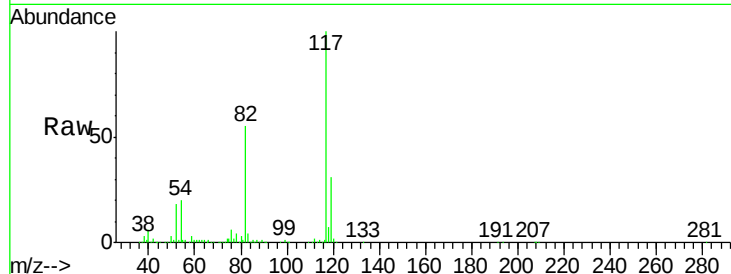
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016267.D
Acq: 15 May 2020 05:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	357754		
82	54.8		44.4	66.6
119	31.1		25.5	38.3

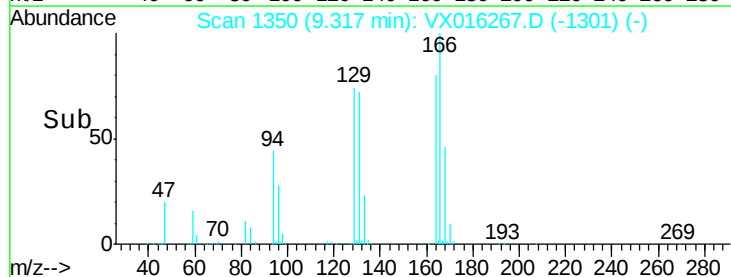
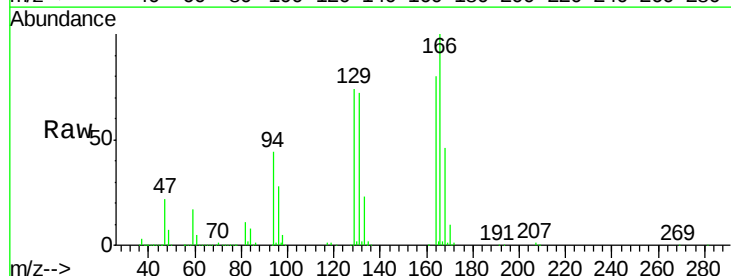
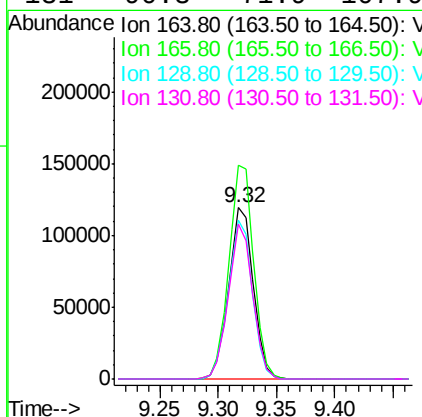
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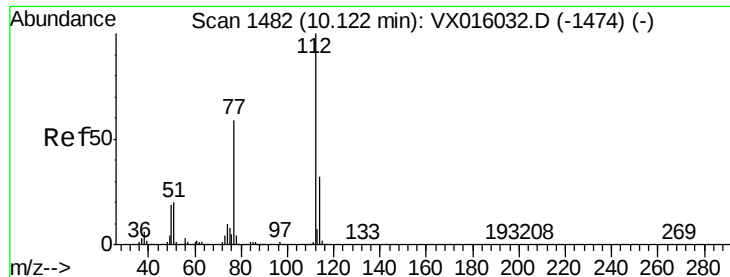
MMDadoda
5/15/2020 10:10:49 AM



#64
Tetrachloroethene
Concen: 39.848 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX016267.D
Acq: 15 May 2020 05:59

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	175008		
166	124.5		102.9	154.3
129	92.6		76.1	114.1
131	90.3		71.9	107.9





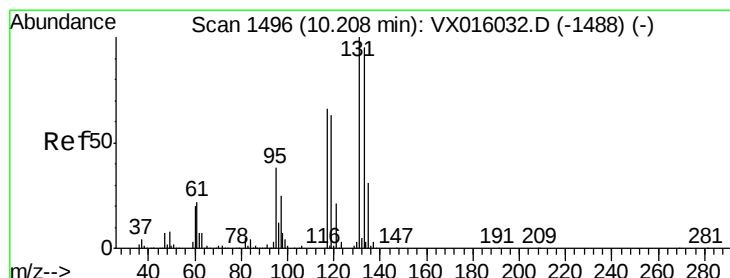
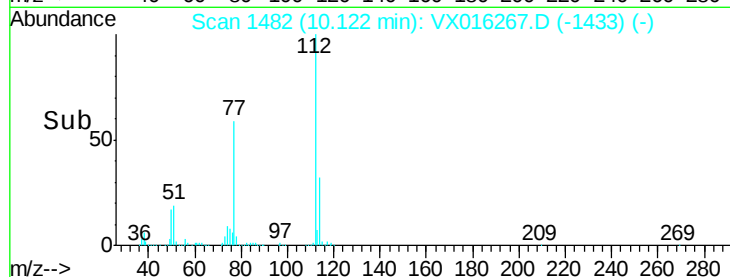
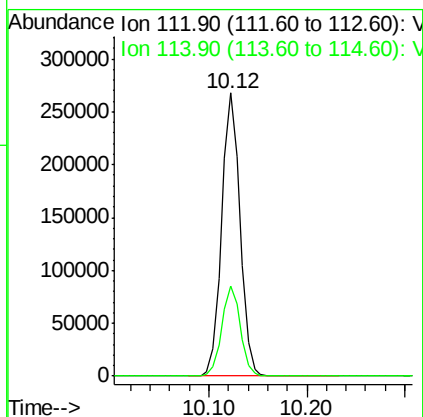
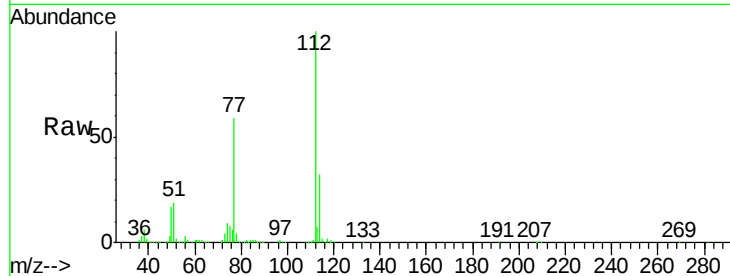
#65
Chlorobenzene
Concen: 46.600 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX016267.D
Acq: 15 May 2020 05:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 349077
Ion Ratio Lower Upper
112 100
114 32.0 25.7 38.5

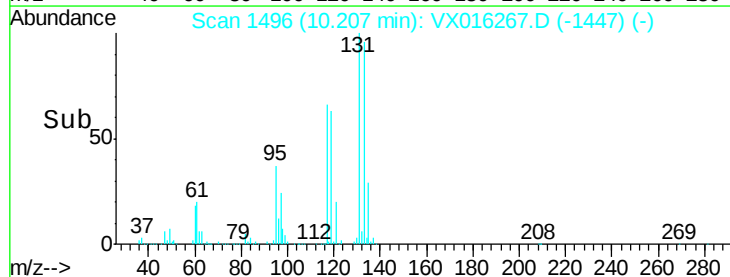
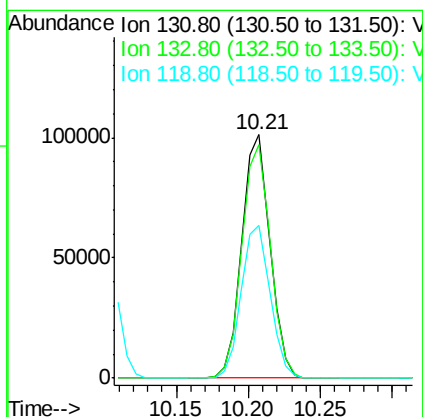
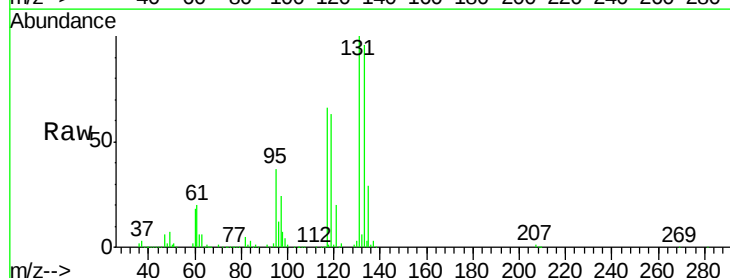
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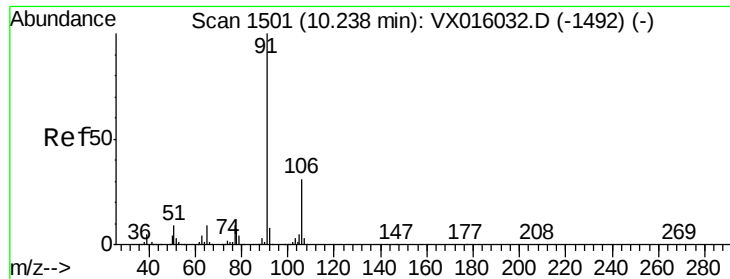
MMDadoda
5/15/2020 10:10:49 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.719 ug/l
RT: 10.21 min Scan# 1496
Delta R.T. -0.00 min
Lab File: VX016267.D
Acq: 15 May 2020 05:59

Tgt Ion:131 Resp: 137658
Ion Ratio Lower Upper
131 100
133 97.0 48.3 144.8
119 64.4 32.3 96.9





#67

Ethyl Benzene

Concen: 44.758 ug/l

RT: 10.24 min Scan# 1501

Delta R.T. -0.00 min

Lab File: VX016267.D

Acq: 15 May 2020 05:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 598222

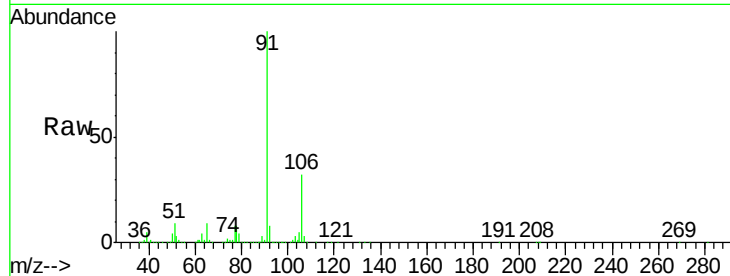
Ion Ratio Lower Upper

91 100

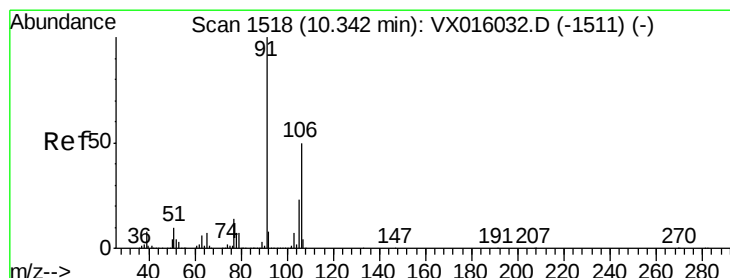
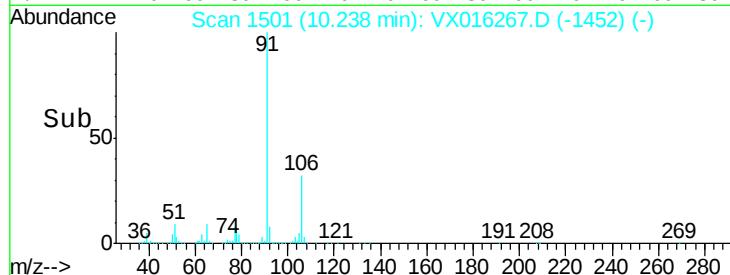
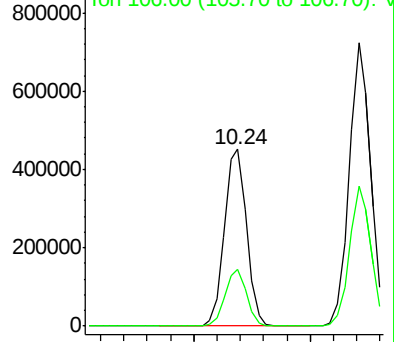
106 31.9 25.1 37.7

Manual Integrations
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MMDadoda
5/15/2020 10:10:49 AM



Abundance Ion 91.00 (90.70 to 91.70): VX016267.D (-1452) (-)



#68

m/p-Xylenes

Concen: 91.422 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX016267.D

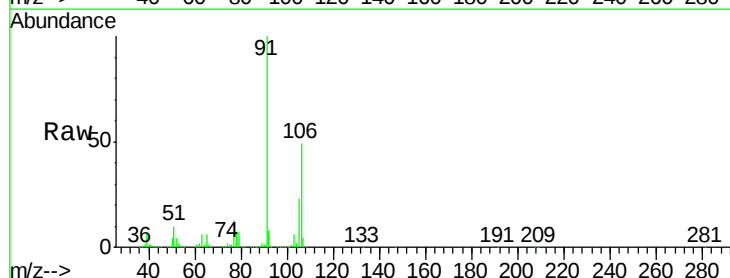
Acq: 15 May 2020 05:59

Tgt Ion: 106 Resp: 457808

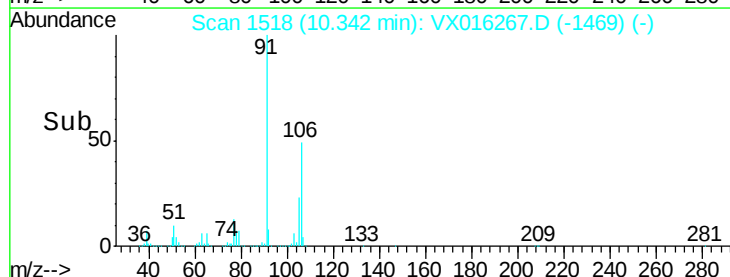
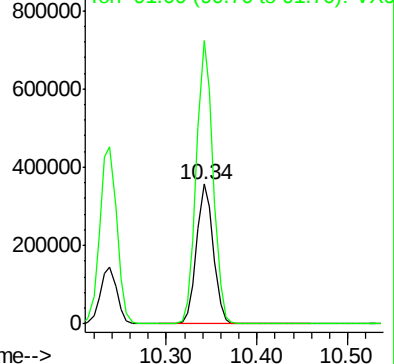
Ion Ratio Lower Upper

106 100

91 202.1 161.7 242.5



Abundance Ion 106.00 (105.70 to 106.70): VX016267.D (-1469) (-)





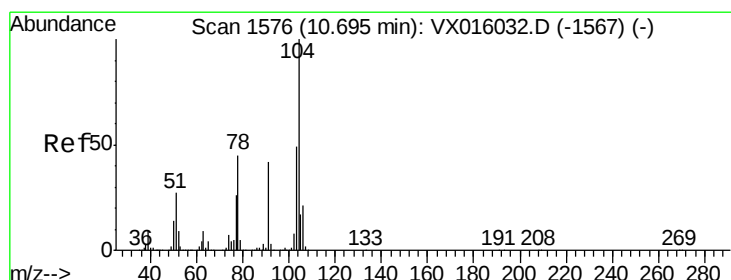
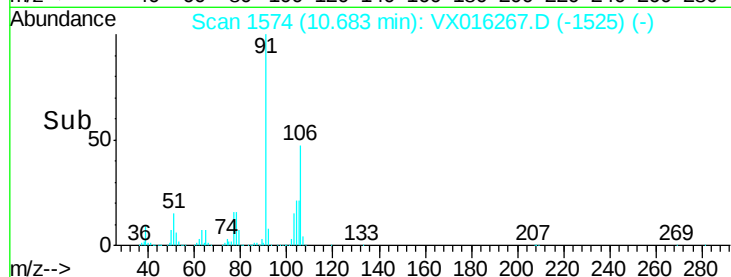
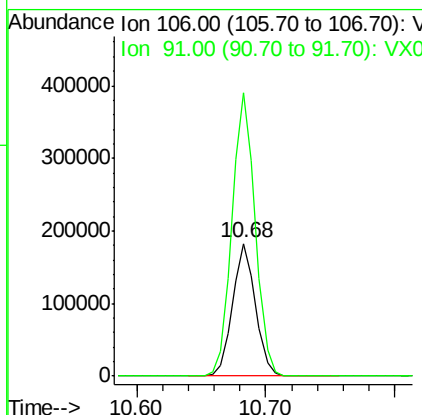
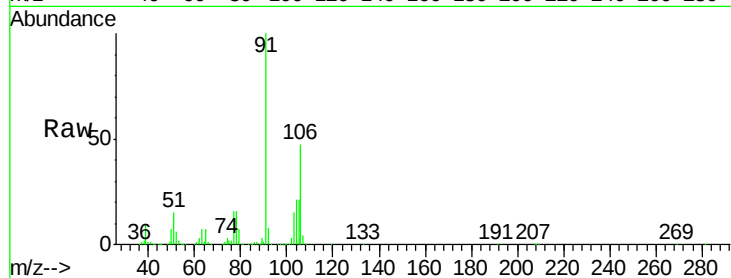
#69
o-Xylene
Concen: 47.045 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX016267.D
Acq: 15 May 2020 05:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		226451		
91	216.7	107.5	322.6		

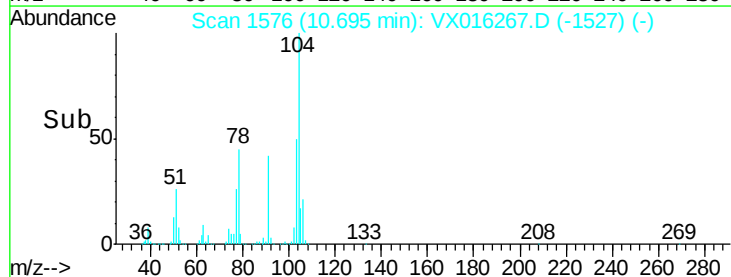
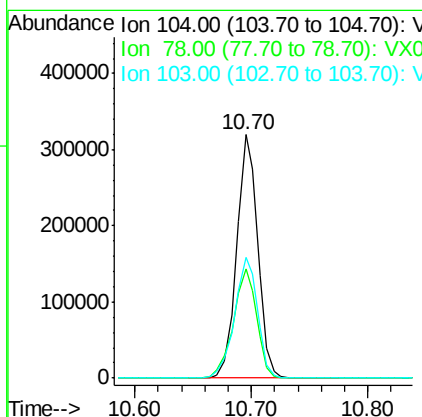
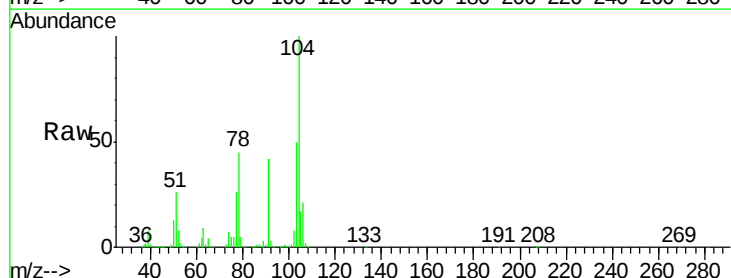
Manual Integrations
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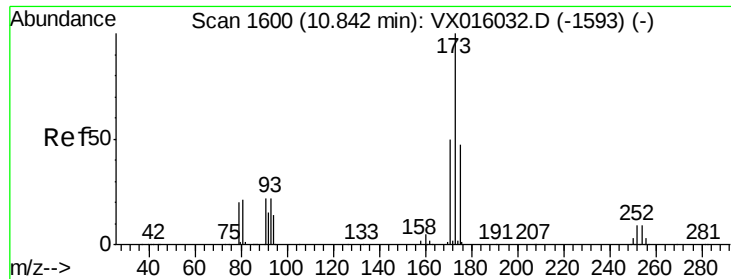
MMDadoda
5/15/2020 10:10:49 AM



#70
Styrene
Concen: 49.220 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX016267.D
Acq: 15 May 2020 05:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		401939		
78	49.6	40.2	60.2		
103	54.2	43.0	64.6		





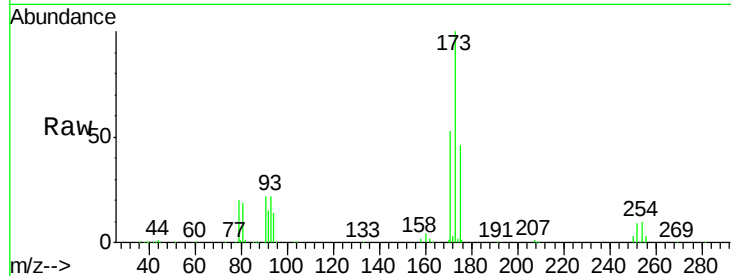
#71
Bromoform
Concen: 54.638 ug/l
RT: 10.84 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VX016267.D
Acq: 15 May 2020 05:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.0	24.0	72.0
254	0.1	0.1	0.1

Manual Integrations
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5/15/2020 10:10:49 AM

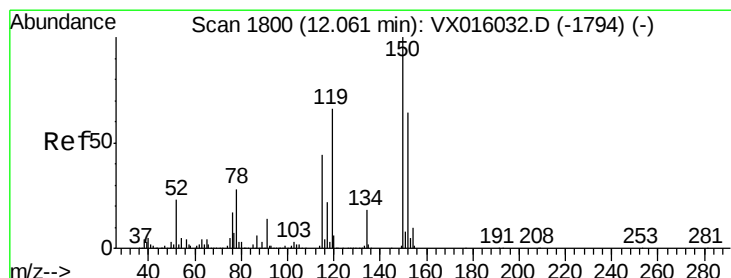
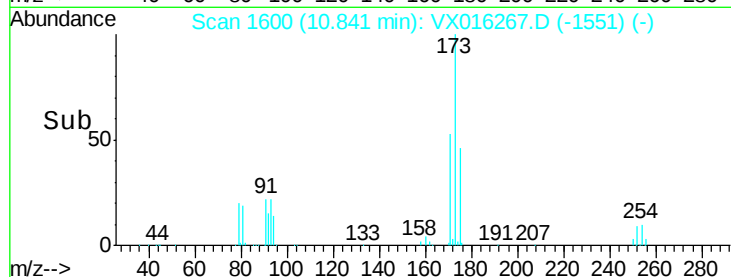
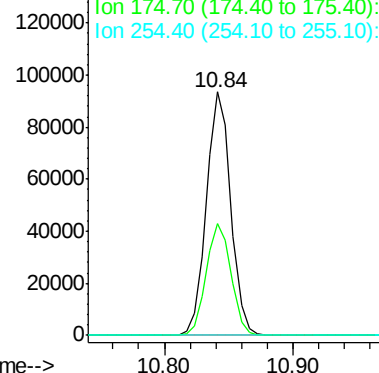


Abundance

Ion 172.70 (172.40 to 173.40): V

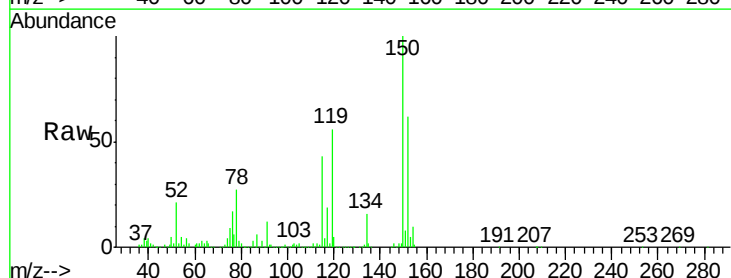
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX016267.D
Acq: 15 May 2020 05:59

Tgt Ion	Ratio	Lower	Upper
152	100		
115	79.1	41.3	124.1
150	171.3	0.0	352.2

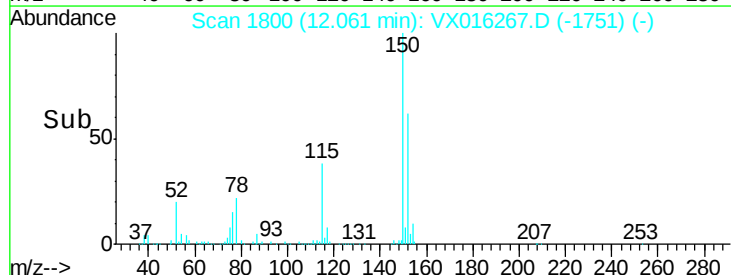
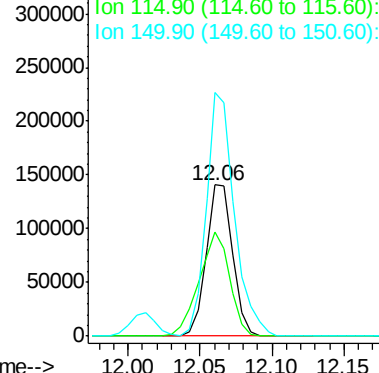


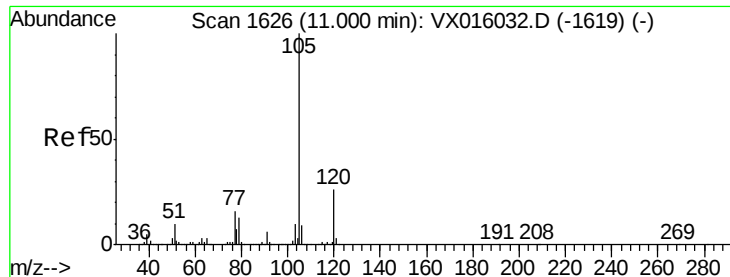
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 42.861 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX016267.D

Acq: 15 May 2020 05:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 562926

Ion Ratio Lower Upper

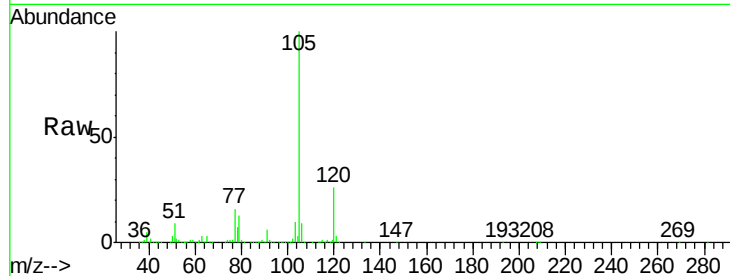
105 100

120 26.4 13.4 40.2

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5/15/2020 10:10:49 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

500000

400000

300000

200000

100000

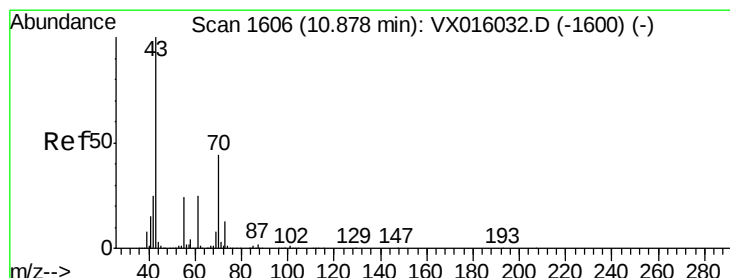
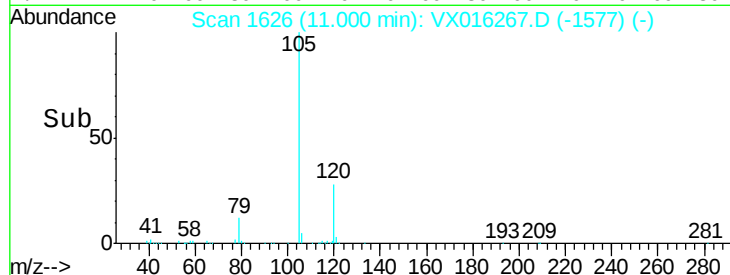
0

11.00

10.90

11.10

Time-->



#74

N-ethyl acetate

Concen: 48.280 ug/l

RT: 10.88 min Scan# 1607

Delta R.T. 0.01 min

Lab File: VX016267.D

Acq: 15 May 2020 05:59

Tgt Ion: 43 Resp: 295772

Ion Ratio Lower Upper

43 100

70 46.5 36.5 54.7

55 25.7 19.7 29.5

61 26.6 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

300000

200000

100000

0

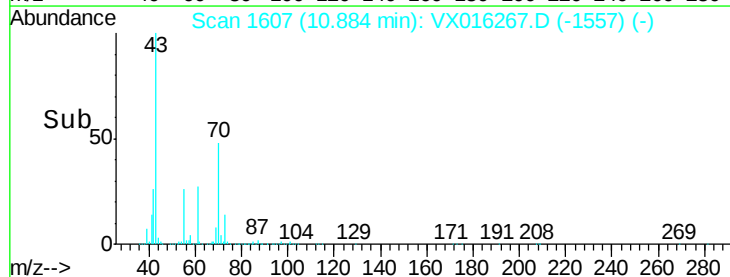
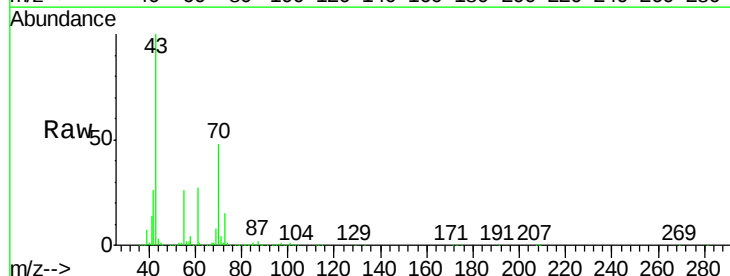
10.88

10.80

10.90

11.00

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 65.038 ug/l

RT: 11.26 min Scan# 1668

Delta R.T. -0.00 min

Lab File: VX016267.D

Acq: 15 May 2020 05:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 174138

Ion Ratio Lower Upper

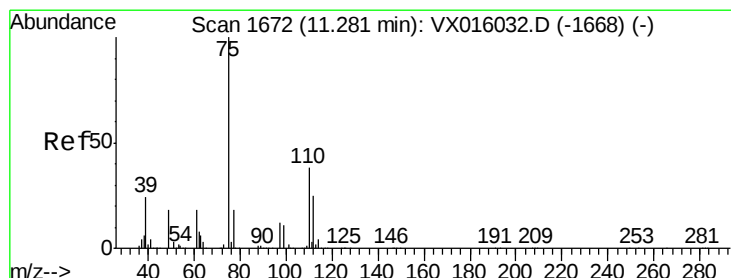
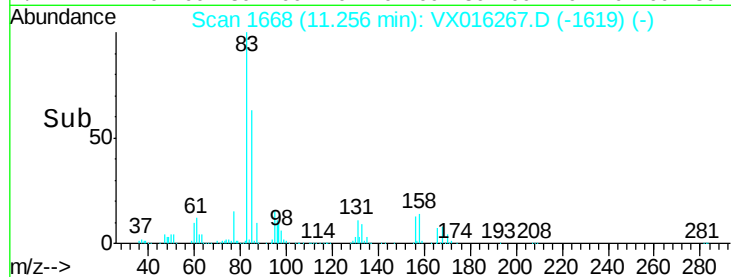
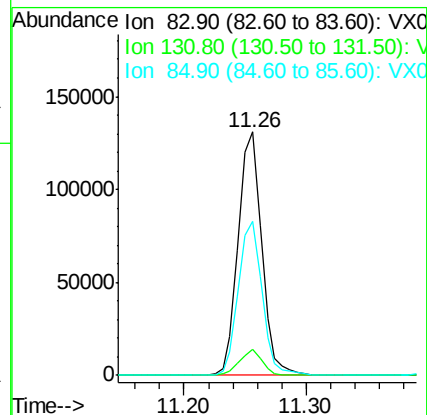
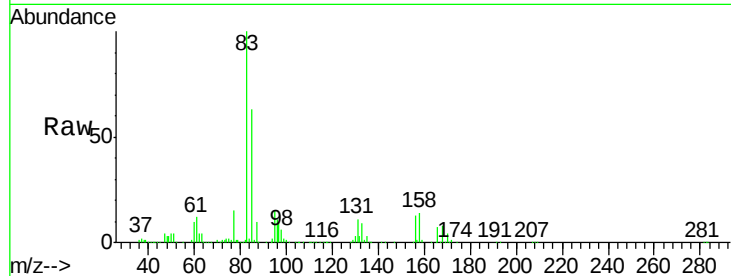
83 100

131 10.3 5.1 15.4

85 63.7 32.0 96.0

Manual Integrations
APPROVED

MMDadoda
5/15/2020 10:10:49 AM



#76

1,2,3-Trichloropropane

Concen: 49.699 ug/l m

RT: 11.28 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VX016267.D

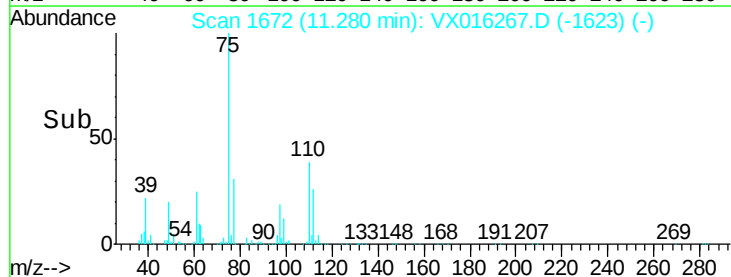
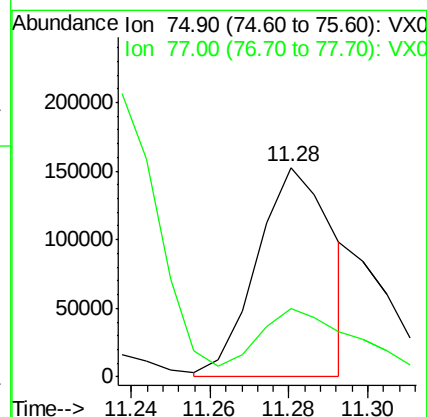
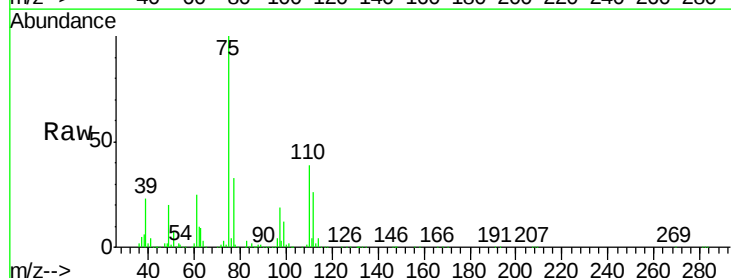
Acq: 15 May 2020 05:59

Tgt Ion: 75 Resp: 203647

Ion Ratio Lower Upper

75 100

77 42.6 21.2 63.6





#77

Bromobenzene

Concen: 46.677 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VX016267.D

Acq: 15 May 2020 05:59

Instrument :

MSVOA_X

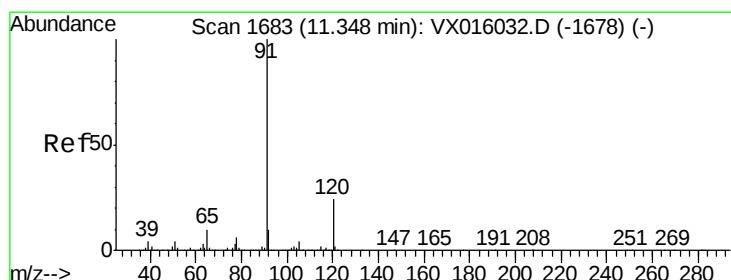
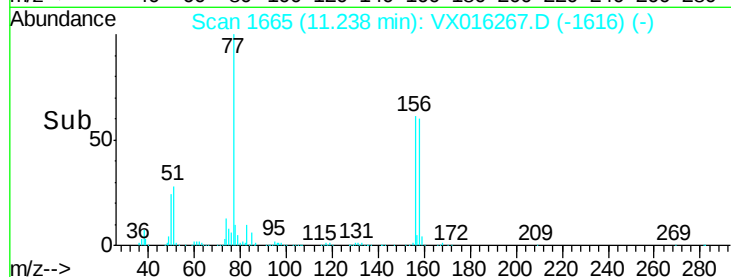
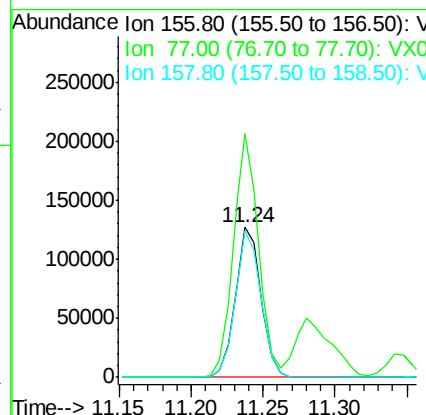
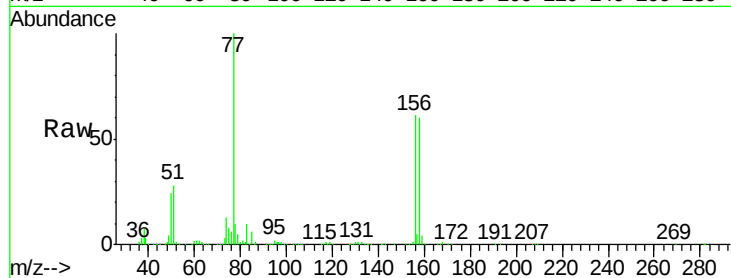
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	158237
Ion Ratio	Lower	Upper	
156	100		
77	159.9	80.1	240.3
158	97.6	49.4	148.2

Manual Integrations
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5/15/2020 10:10:49 AM



#78

n-propylbenzene

Concen: 41.531 ug/l

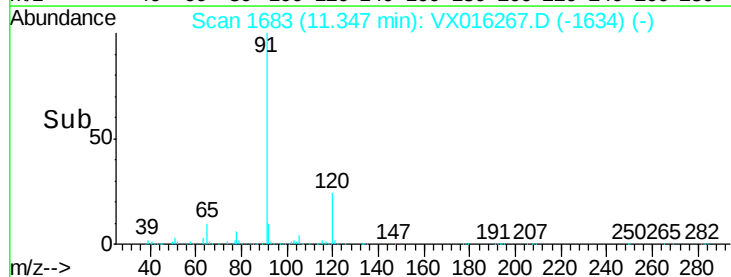
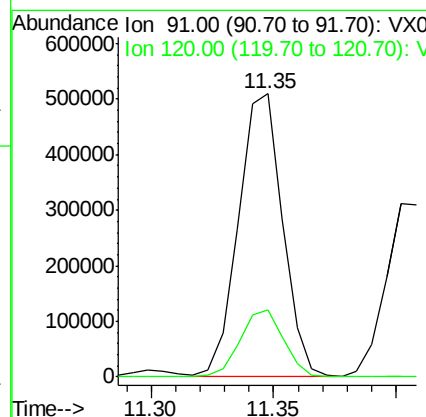
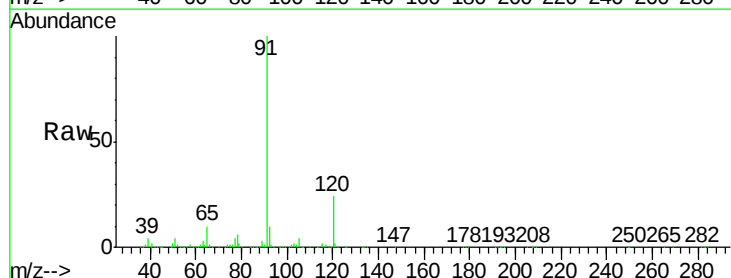
RT: 11.35 min Scan# 1683

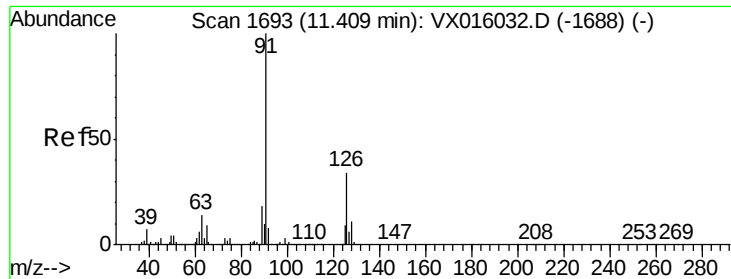
Delta R.T. -0.00 min

Lab File: VX016267.D

Acq: 15 May 2020 05:59

Tgt Ion:	91	Resp:	634560
Ion Ratio	Lower	Upper	
91	100		
120	23.5	11.5	34.5





#79

2-Chlorotoluene

Concen: 45.183 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. -0.01 min

Lab File: VX016267.D

Acq: 15 May 2020 05:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 407500

Ion Ratio Lower Upper

91 100

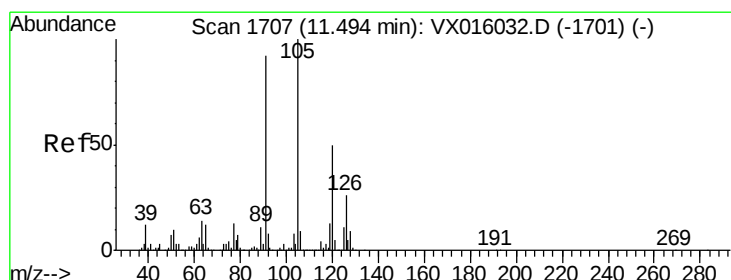
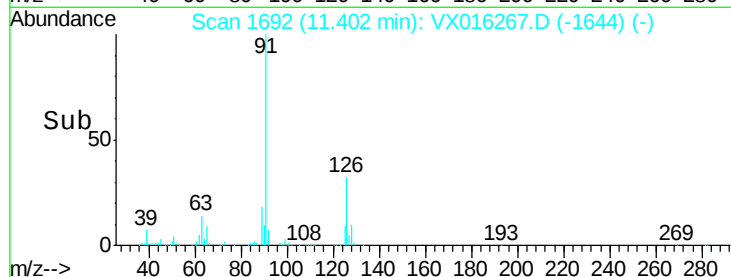
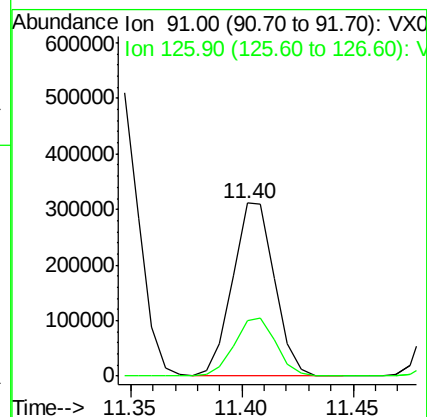
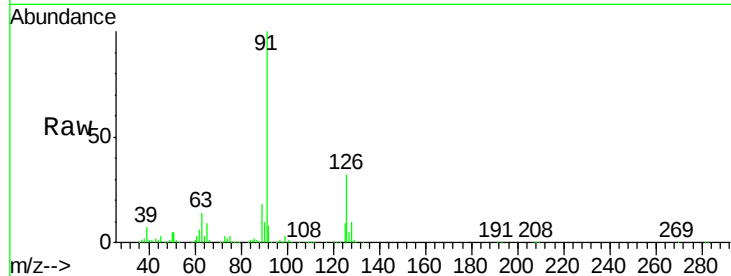
126 33.3 16.9 50.6

Manual Integrations

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5/15/2020 10:10:49 AM



#80

1,3,5-Trimethylbenzene

Concen: 44.294 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX016267.D

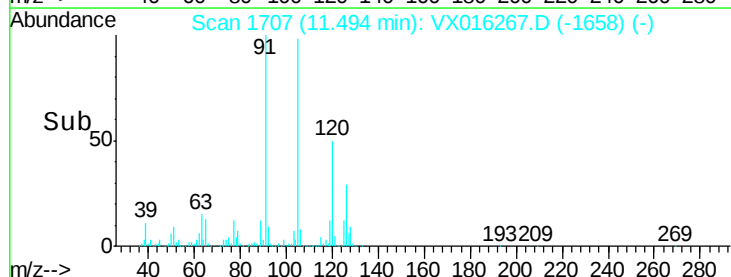
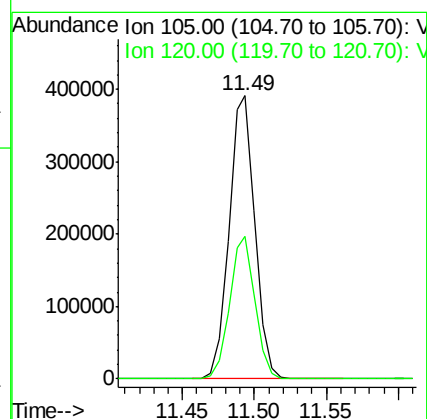
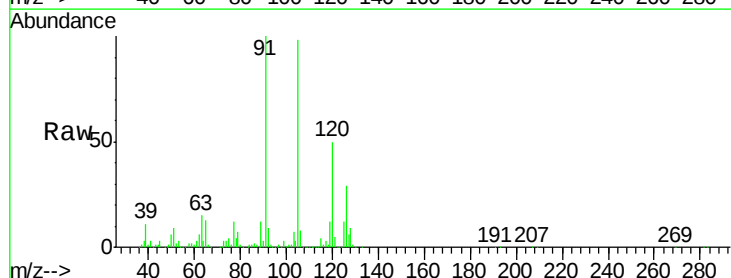
Acq: 15 May 2020 05:59

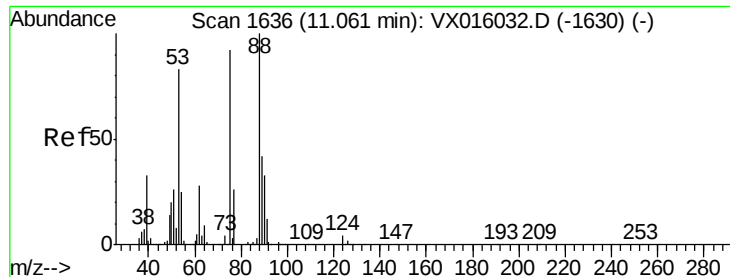
Tgt Ion: 105 Resp: 491184

Ion Ratio Lower Upper

105 100

120 49.5 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 44.567 ug/l

RT: 11.06 min Scan# 1636

Delta R.T. -0.00 min

Lab File: VX016267.D

Acq: 15 May 2020 05:59

Instrument :

MSVOA_X

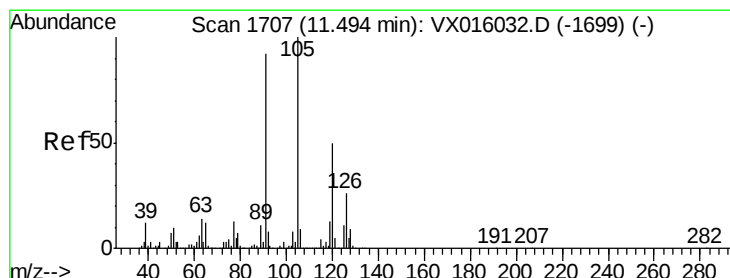
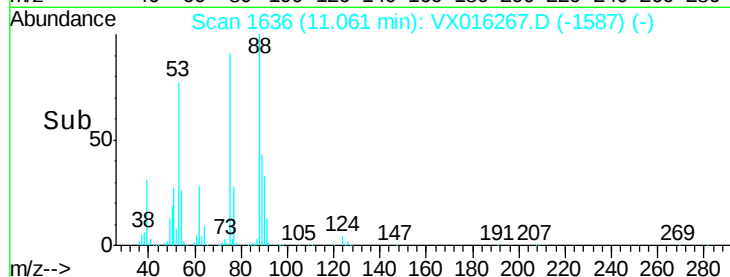
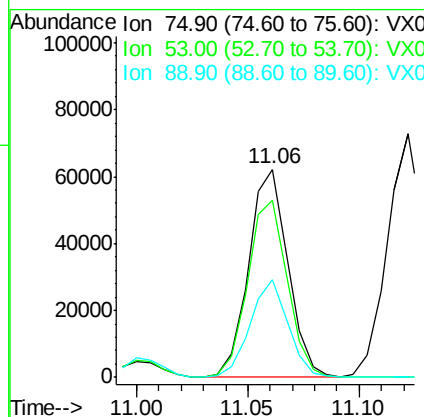
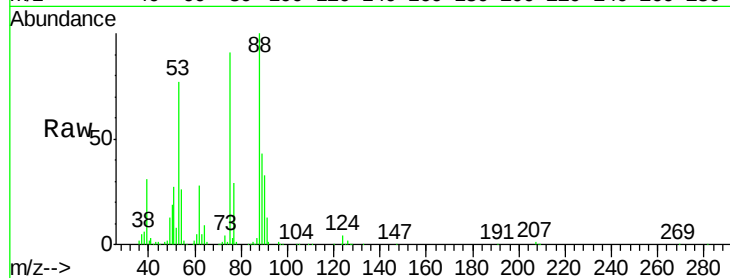
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	76632
Ion Ratio	Lower	Upper	
75	100		
53	85.8	73.1	109.7
89	45.3	36.7	55.1

Manual Integrations
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#82

4-Chlorotoluene

Concen: 45.138 ug/l

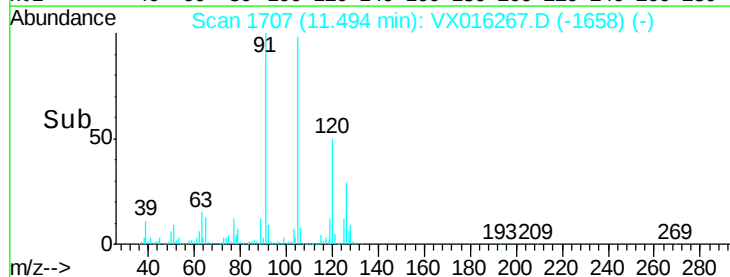
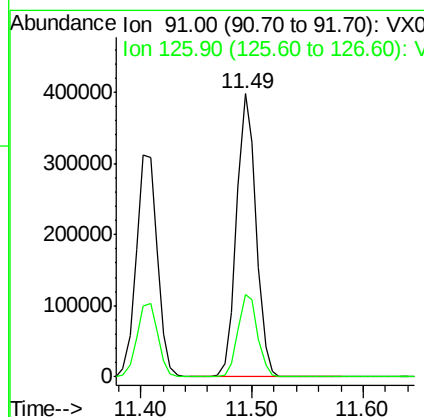
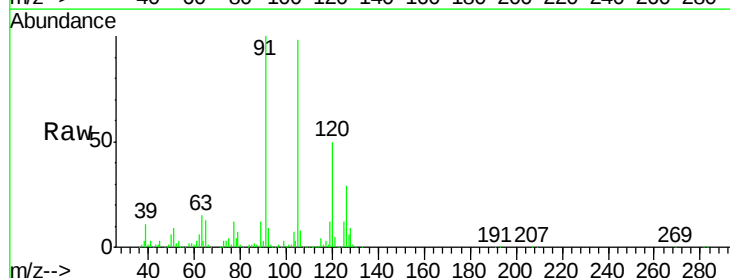
RT: 11.49 min Scan# 1707

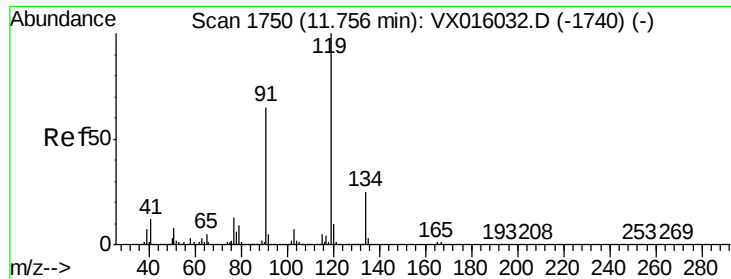
Delta R.T. -0.00 min

Lab File: VX016267.D

Acq: 15 May 2020 05:59

Tgt Ion:	91	Resp:	480732
Ion Ratio	Lower	Upper	
91	100		
126	29.5	14.8	44.3





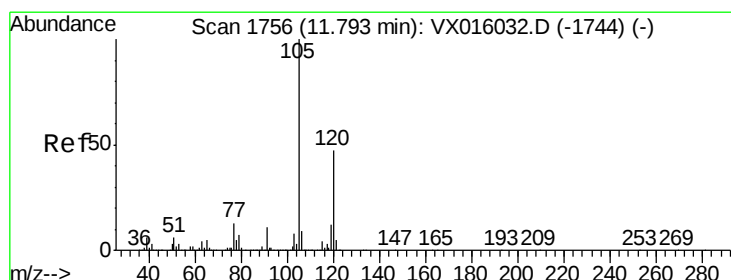
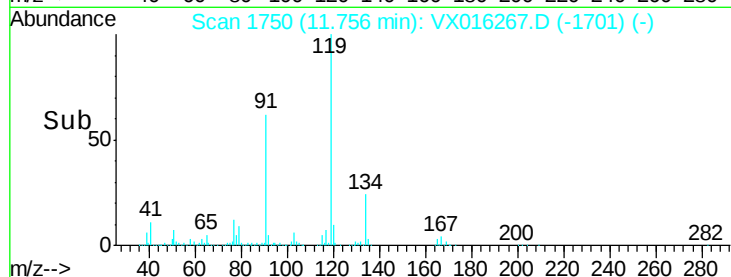
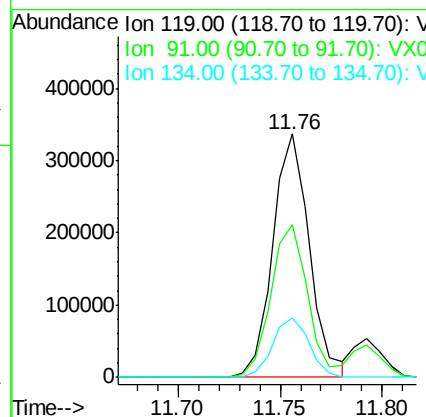
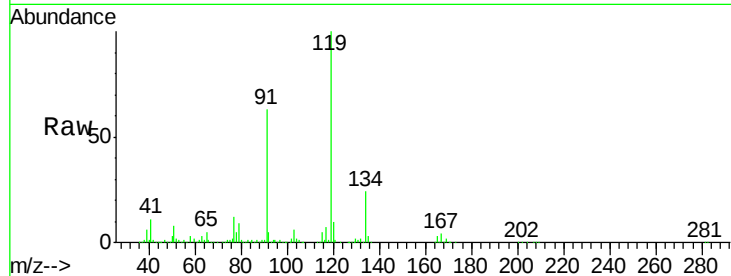
#83
tert-Butylbenzene
Concen: 44.118 ug/l
RT: 11.76 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VX016267.D
Acq: 15 May 2020 05:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	421618		
91	62.2		32.8	98.4
134	24.4		12.4	37.0

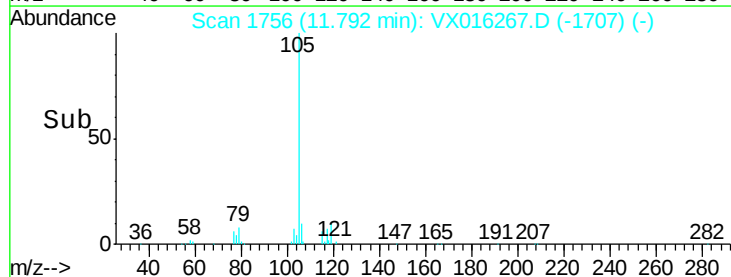
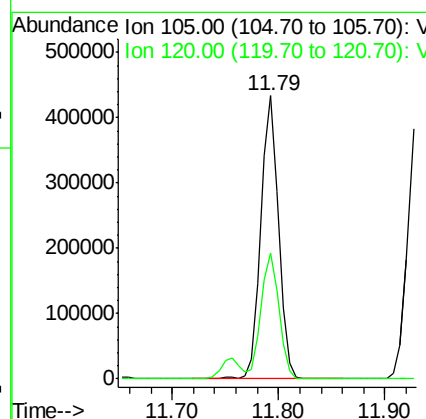
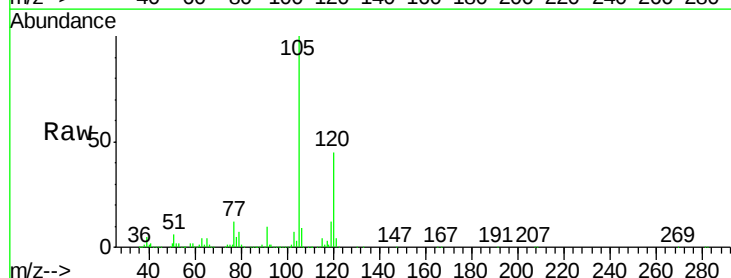
Manual Integrations
APPROVED

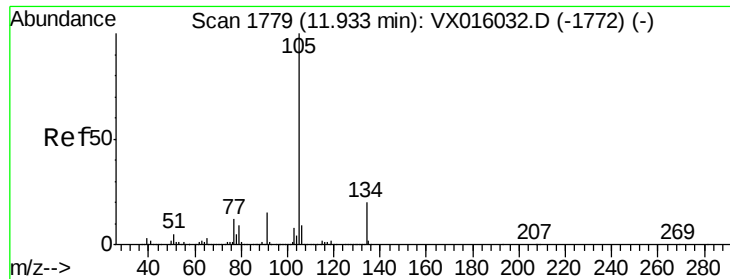
MMDadoda
5/15/2020 10:10:49 AM



#84
1,2,4-Trimethylbenzene
Concen: 45.324 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. -0.00 min
Lab File: VX016267.D
Acq: 15 May 2020 05:59

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	508133		
120	45.4		23.0	69.0





#85

sec-Butylbenzene

Concen: 40.031 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VX016267.D

Acq: 15 May 2020 05:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 516533

Ion Ratio Lower Upper

105 100

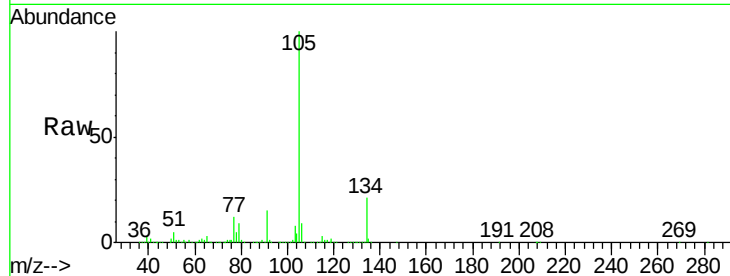
134 20.5 10.1 30.3

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.93

400000

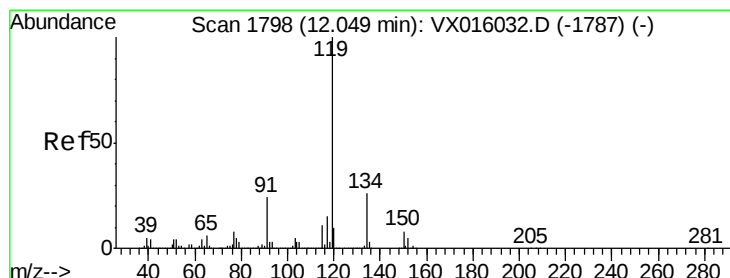
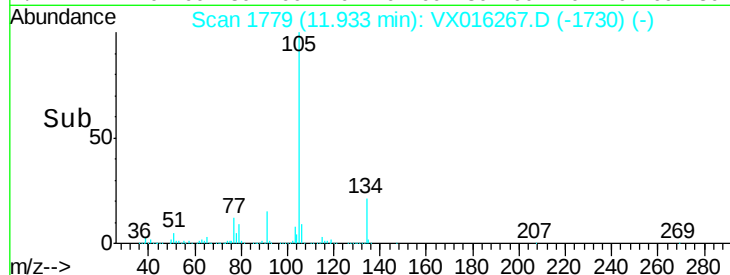
300000

200000

100000

0

Time--> 11.85 11.90 11.95 12.00



#86

p-Isopropyltoluene

Concen: 41.110 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VX016267.D

Acq: 15 May 2020 05:59

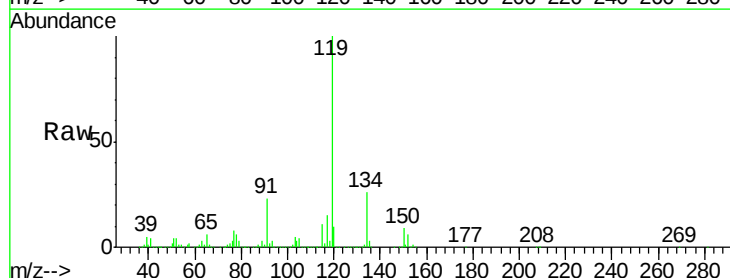
Tgt Ion:119 Resp: 492495

Ion Ratio Lower Upper

119 100

134 26.0 13.1 39.3

91 23.2 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

12.05

600000

500000

400000

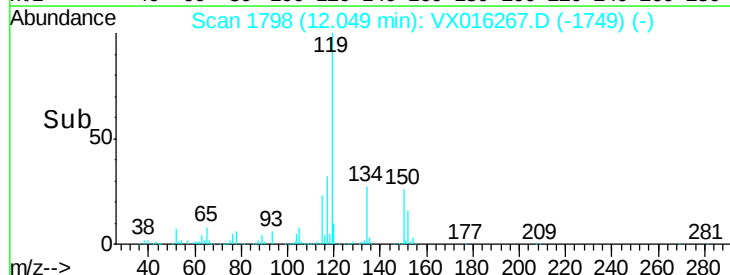
300000

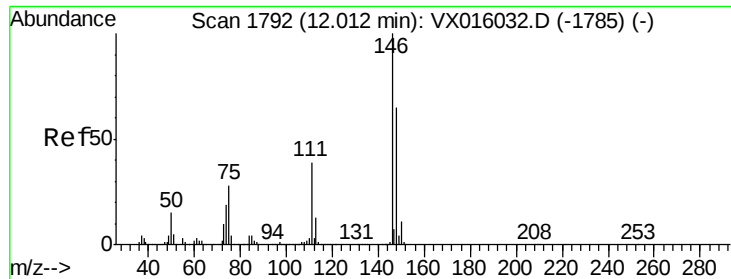
200000

100000

0

Time--> 12.00 12.10





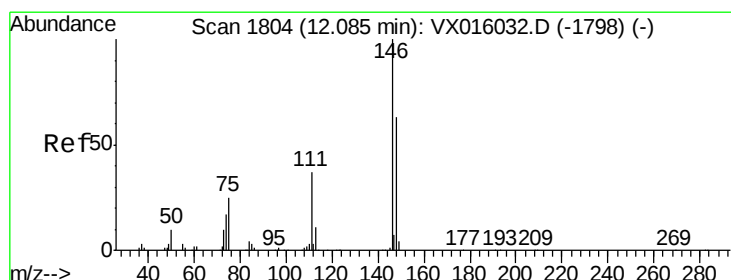
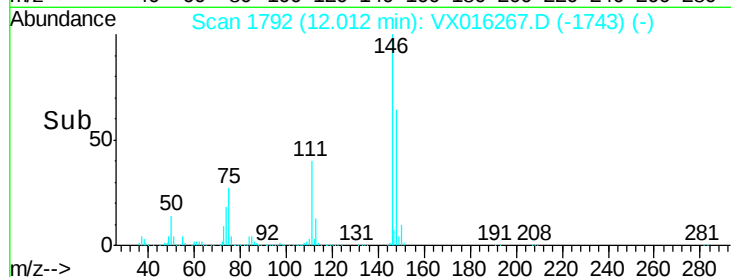
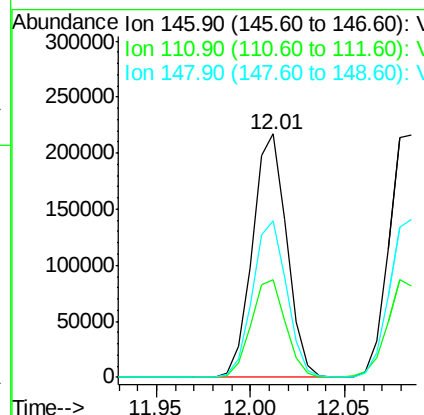
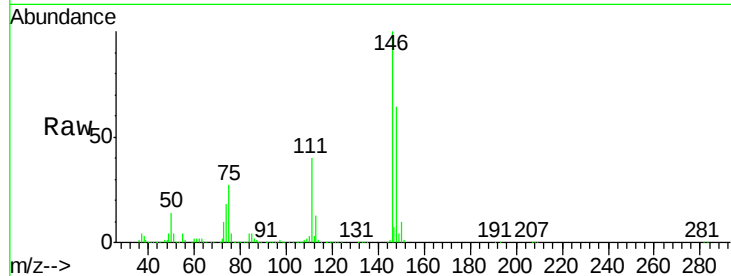
#87
 1,3-Dichlorobenzene
 Concen: 44.883 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX016267.D
 Acq: 15 May 2020 05:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.2	60.6
148	64.2	32.1	96.3

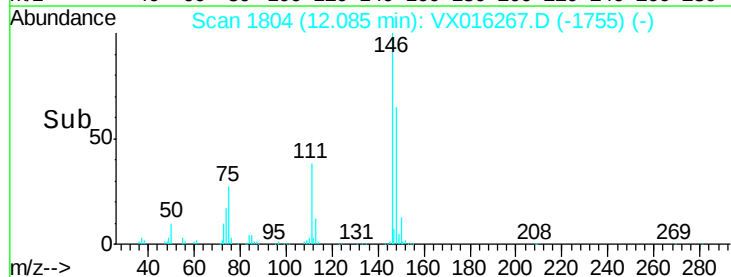
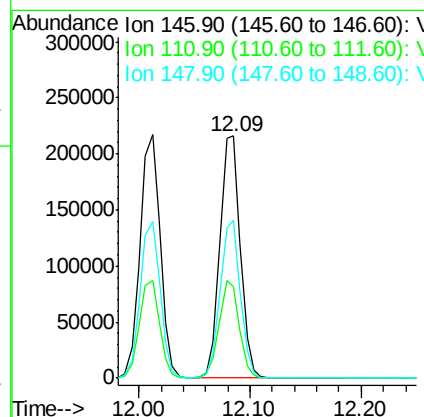
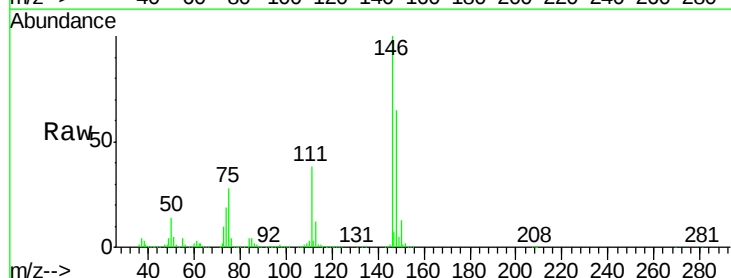
Manual Integrations
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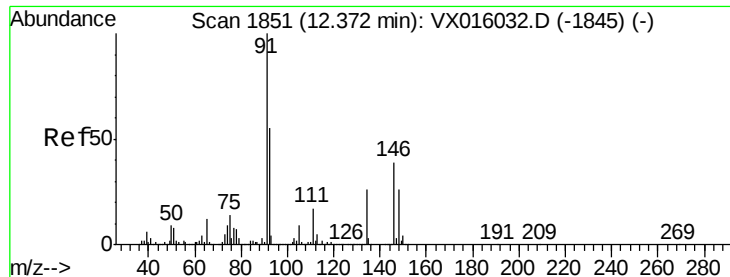
MMDadoda
 5/15/2020 10:10:49 AM



#88
 1,4-Dichlorobenzene
 Concen: 44.387 ug/l
 RT: 12.09 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VX016267.D
 Acq: 15 May 2020 05:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.6	58.7
148	64.2	31.8	95.3





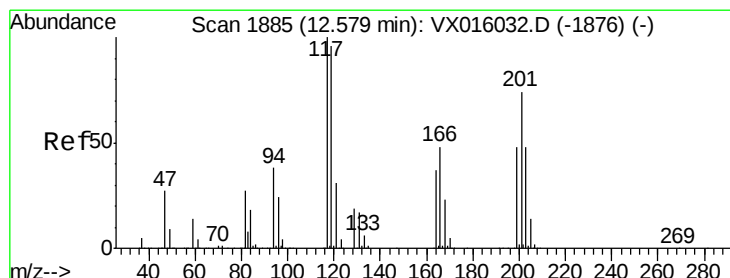
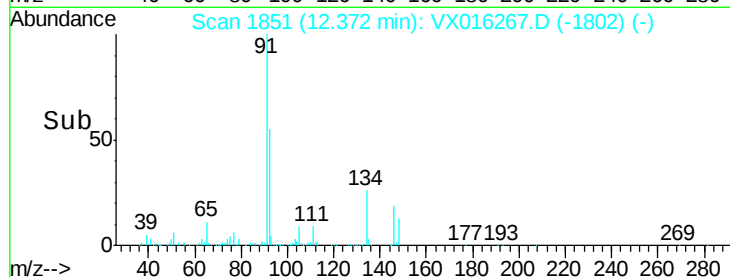
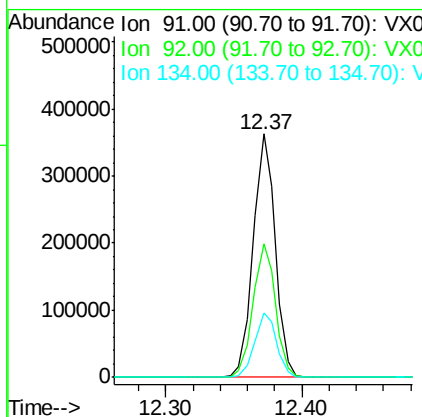
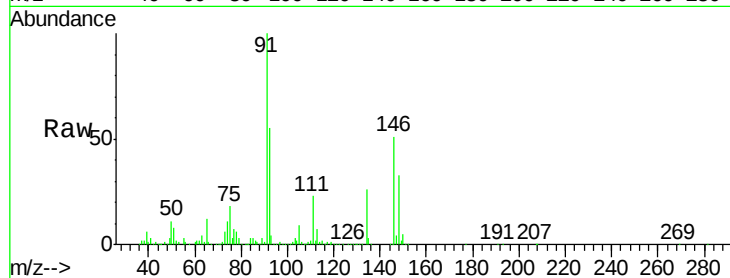
#89
n-Butylbenzene
Concen: 37.784 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX016267.D
Acq: 15 May 2020 05:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.3	27.6	82.7
134	26.6	13.4	40.1

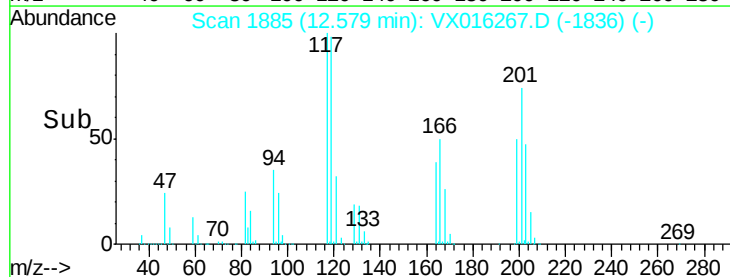
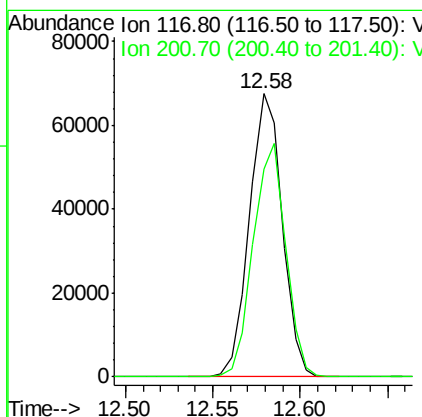
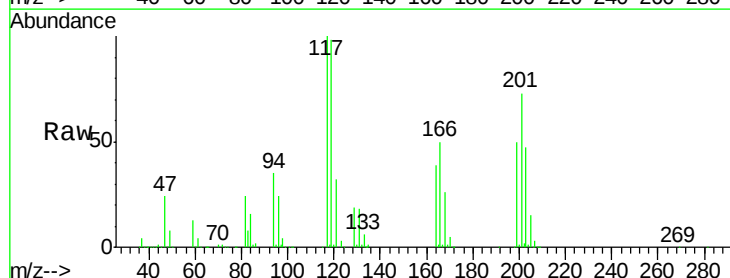
Manual Integrations
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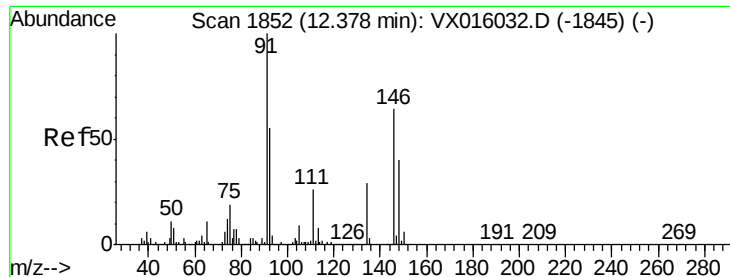
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#90
Hexachloroethane
Concen: 42.970 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX016267.D
Acq: 15 May 2020 05:59

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.4	39.8	119.3





#91

1,2-Dichlorobenzene

Concen: 46.180 ug/l

RT: 12.38 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VX016267.D

Acq: 15 May 2020 05:59

Instrument :

MSVOA_X

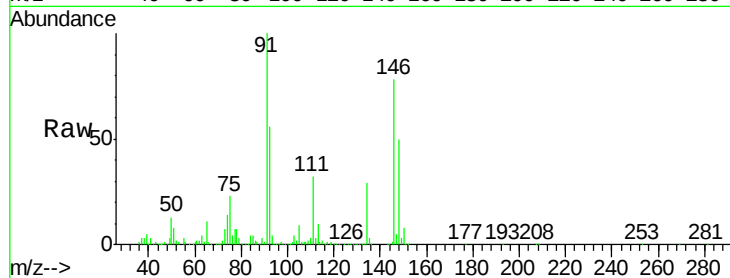
ClientSampleId :

VSTDCCC050EC

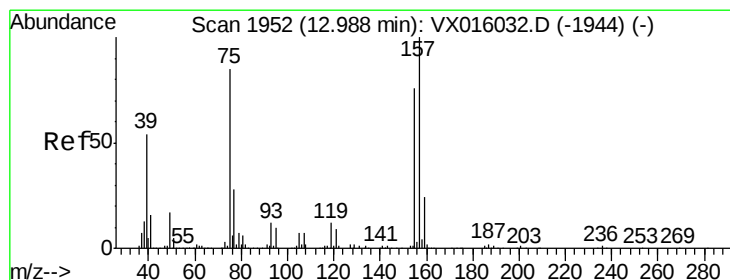
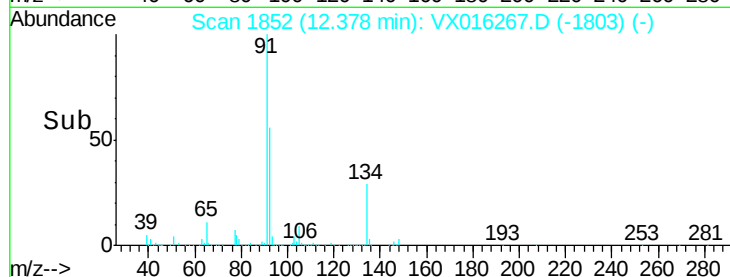
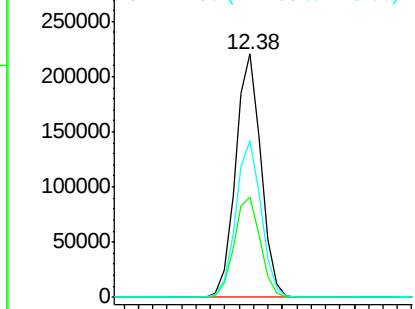
Tot Ion:	146	Resp:	270667
Ion Ratio	Lower	Upper	
146	100		
111	42.3	21.1	63.1
148	64.5	32.4	97.0

Manual Integrations
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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 49.581 ug/l

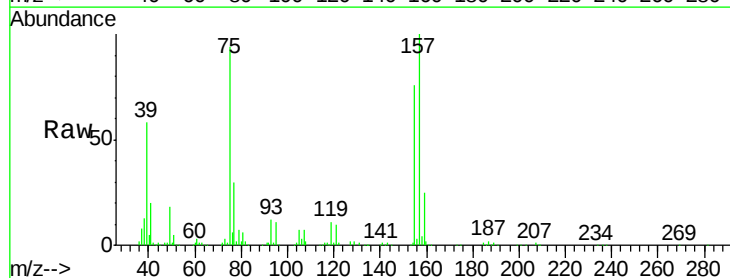
RT: 12.98 min Scan# 1951

Delta R.T. -0.01 min

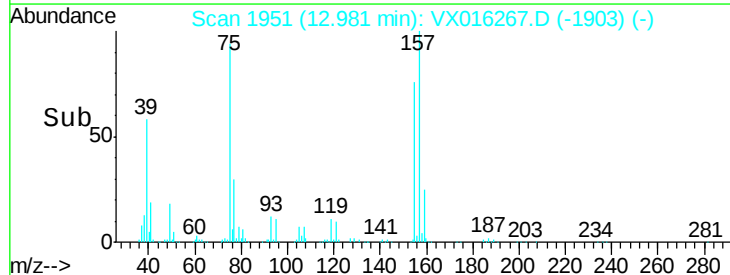
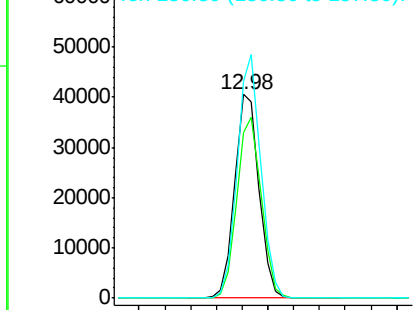
Lab File: VX016267.D

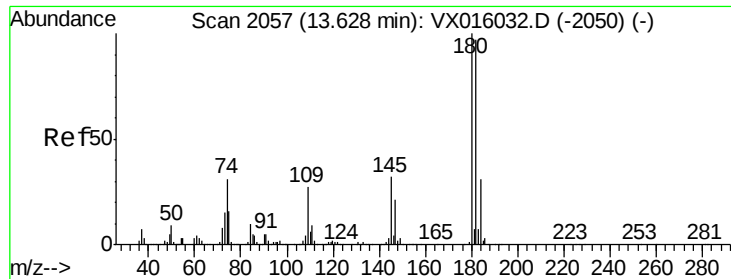
Acq: 15 May 2020 05:59

Tgt Ion:	75	Resp:	53545
Ion Ratio	Lower	Upper	
75	100		
155	88.6	42.5	127.5
157	114.8	55.3	165.8



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





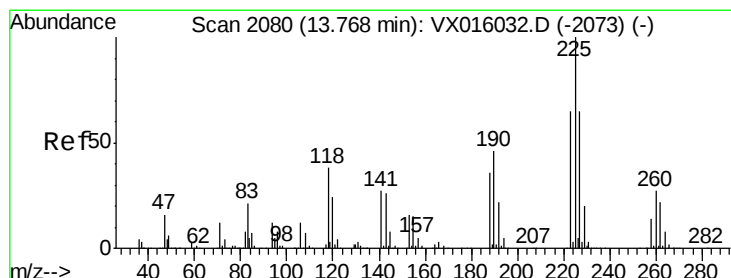
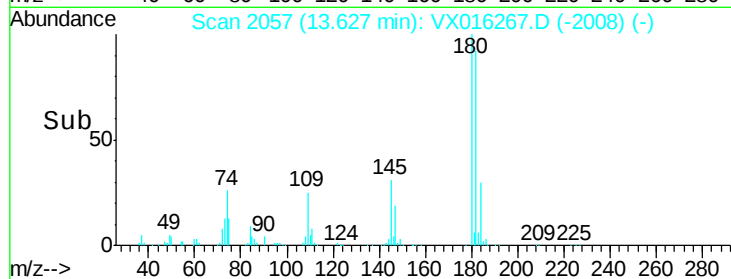
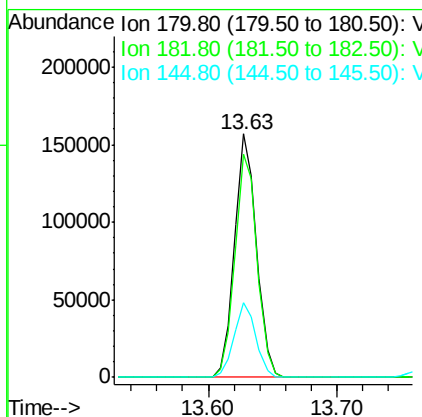
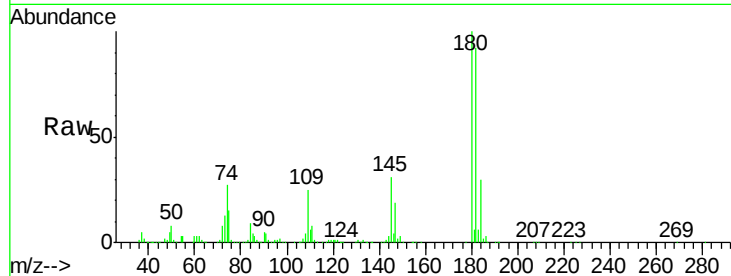
#93
 1,2,4-Trichlorobenzene
 Concen: 43.057 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX016267.D
 Acq: 15 May 2020 05:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	186842		
182	92.5	48.7	146.1	
145	30.5	15.7	47.1	

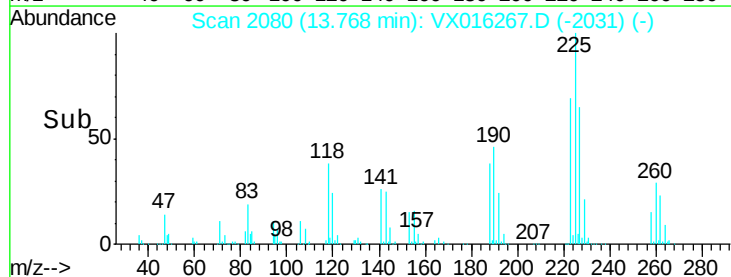
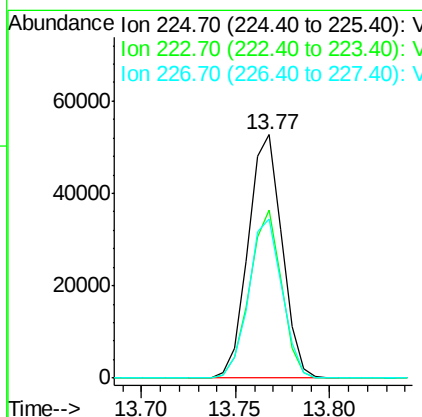
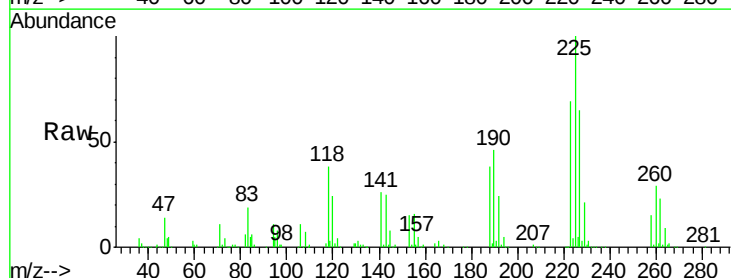
Manual Integrations
 APPROVED

MMDadoda
 5/15/2020 10:10:49 AM



#94
 Hexachlorobutadiene
 Concen: 35.378 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX016267.D
 Acq: 15 May 2020 05:59

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	65816		
223	65.1	32.3	96.9	
227	64.3	31.8	95.4	





#95

Naphthalene

Concen: 48.304 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX016267.D

Acq: 15 May 2020 05:59

Instrument :

MSVOA_X

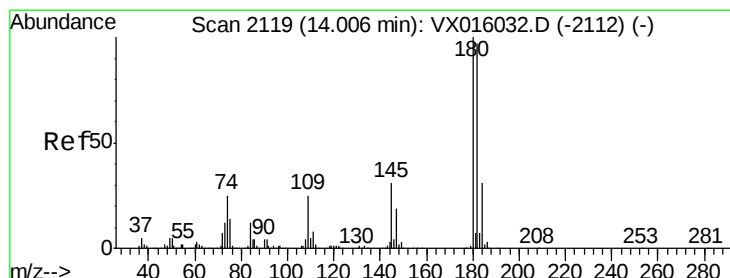
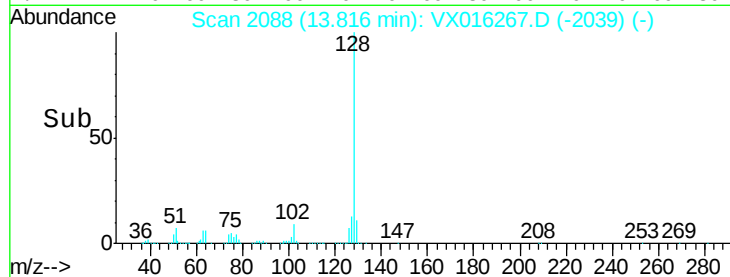
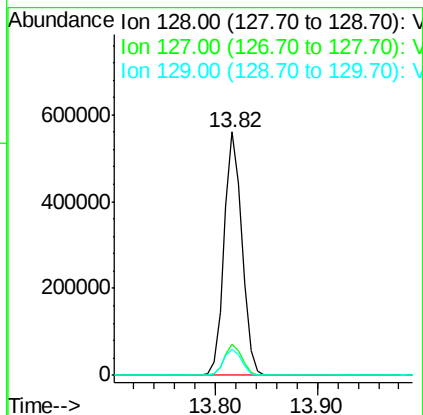
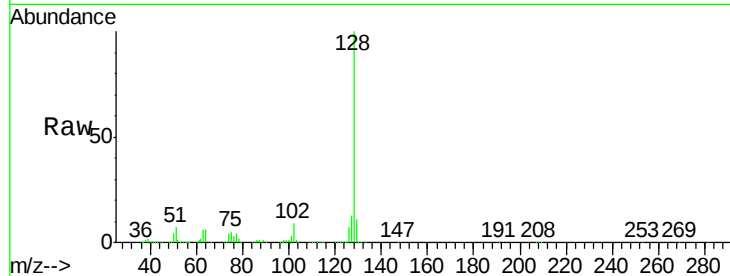
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	678714
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.2	15.4
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
5/15/2020 10:10:49 AM



#96

1,2,3-Trichlorobenzene

Concen: 44.369 ug/l

RT: 14.01 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VX016267.D

Acq: 15 May 2020 05:59

Tgt Ion:	180	Resp:	188166
Ion Ratio	Lower	Upper	
180	100		
182	96.8	48.4	145.0
145	32.5	16.4	49.1

