

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061820\
 Data File : VX016847.D
 Acq On : 18 Jun 2020 18:37
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/19/2020 12:50:15 PM

Quant Time: Jun 19 12:23:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061820W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 19 12:07:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	282055	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	455222	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	373905	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	222801	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	175637	51.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.56%	
35) Dibromofluoromethane	5.46	113	125336	43.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.08%	
50) Toluene-d8	8.70	98	513558	44.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.16%	
62) 4-Bromofluorobenzene	11.12	95	184658	41.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	210885	60.925	ug/l	98
3) Chloromethane	1.31	50	196730	56.051	ug/l	100
4) Vinyl Chloride	1.39	62	209658	53.001	ug/l	97
5) Bromomethane	1.62	94	119646	50.232	ug/l	99
6) Chloroethane	1.71	64	120622	49.510	ug/l	99
7) Trichlorofluoromethane	1.92	101	278145	50.262	ug/l	100
8) Diethyl Ether	2.17	74	104105	48.385	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.36	101	128055	43.443	ug/l	98
10) Methyl Iodide	2.49	142	149793	53.380	ug/l	98
11) Tert butyl alcohol	3.01	59	151627	264.408	ug/l	99
12) 1,1-Dichloroethene	2.36	96	127242	42.215	ug/l	100
13) Acrolein	2.27	56	81911	235.590	ug/l	100
14) Allyl chloride	2.71	41	200594	50.313	ug/l	98
15) Acrylonitrile	3.12	53	339328	258.215	ug/l	99
16) Acetone	2.42	43	268452	218.000	ug/l	99
17) Carbon Disulfide	2.55	76	363239	46.632	ug/l	99
18) Methyl Acetate	2.75	43	165462	52.840	ug/l	100
19) Methyl tert-butyl Ether	3.17	73	436417	50.806	ug/l	100
20) Methylene Chloride	2.84	84	140259	47.496	ug/l	98
21) trans-1,2-Dichloroethene	3.14	96	137406	48.294	ug/l	99
22) Diisopropyl ether	3.82	45	386010	50.533	ug/l	98
23) Vinyl Acetate	3.78	43	1624779	257.948	ug/l	100
24) 1,1-Dichloroethane	3.67	63	235969	49.453	ug/l	99
25) 2-Butanone	4.64	43	438595	258.794	ug/l	99
26) 2,2-Dichloropropane	4.55	77	214279	47.933	ug/l	100
27) cis-1,2-Dichloroethene	4.56	96	155683	48.683	ug/l	99
28) Bromochloromethane	4.98	49	93439	47.182	ug/l	96
29) Tetrahydrofuran	5.09	42	284238	266.300	ug/l	99
30) Chloroform	5.18	83	245106	48.657	ug/l	100
31) Cyclohexane	5.54	56	231876	55.275	ug/l	99
32) 1,1,1-Trichloroethane	5.46	97	233556	48.986	ug/l	100
36) 1,1-Dichloropropene	5.77	75	217697	51.793	ug/l	98
37) Ethyl Acetate	4.79	43	175290	47.200	ug/l	99
38) Carbon Tetrachloride	5.75	117	228629	48.477	ug/l	99

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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	285789	58.477	ug/l	99
40) Benzene	6.11	78	651671	51.671	ug/l	98
41) Methacrylonitrile	5.01	41	96401	47.814	ug/l	99
42) 1,2-Dichloroethane	6.16	62	212769	47.409	ug/l	100
43) Isopropyl Acetate	6.41	43	333624	51.443	ug/l	100
44) Trichloroethene	7.19	130	202643	52.464	ug/l	100
45) 1,2-Dichloropropane	7.49	63	176875	55.787	ug/l	96
46) Dibromomethane	7.64	93	114707	53.349	ug/l	98
47) Bromodichloromethane	7.87	83	229606	50.210	ug/l	98
48) Methyl methacrylate	7.74	41	177801	58.222	ug/l	99
49) 1,4-Dioxane	7.71	88	84338	1233.717	ug/l	97
51) 4-Methyl-2-Pentanone	8.62	43	1039089	266.389	ug/l	100
52) Toluene	8.77	92	366409	43.794	ug/l	98
53) t-1,3-Dichloropropene	9.02	75	225254	44.806	ug/l	98
54) cis-1,3-Dichloropropene	8.42	75	259470	48.245	ug/l	99
55) 1,1,2-Trichloroethane	9.20	97	140674	44.532	ug/l	99
56) Ethyl methacrylate	9.16	69	217846	47.637	ug/l	99
57) 1,3-Dichloropropane	9.35	76	235377	43.953	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.29	63	585580	275.196	ug/l	98
59) 2-Hexanone	9.48	43	668652	236.714	ug/l	100
60) Dibromochloromethane	9.57	129	168799	44.544	ug/l	100
61) 1,2-Dibromoethane	9.65	107	152184	44.392	ug/l	100
64) Tetrachloroethene	9.32	164	175085	50.567	ug/l	96
65) Chlorobenzene	10.12	112	392692	51.864	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	152432	51.946	ug/l	99
67) Ethyl Benzene	10.24	91	680379	53.259	ug/l	100
68) m/p-Xylenes	10.34	106	528279	106.269	ug/l	100
69) o-Xylene	10.68	106	252121	54.850	ug/l	99
70) Styrene	10.70	104	446774	57.205	ug/l	99
71) Bromoform	10.84	173	137026	55.541	ug/l #	99
73) Isopropylbenzene	11.00	105	686069	47.826	ug/l	100
74) N-amyl acetate	10.88	43	261366	52.177	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.25	83	187468	46.281	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	194969m	47.915	ug/l	
77) Bromobenzene	11.24	156	184368	47.126	ug/l	99
78) n-propylbenzene	11.34	91	763105	47.666	ug/l	99
79) 2-Chlorotoluene	11.40	91	467012	47.677	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	595715	48.131	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.05	75	75601	45.498	ug/l	99
82) 4-Chlorotoluene	11.49	91	552676	47.031	ug/l	99
83) tert-Butylbenzene	11.76	119	613184	50.072	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	661584	51.891	ug/l	99
85) sec-Butylbenzene	11.93	105	758534	53.333	ug/l	100
86) p-Isopropyltoluene	12.05	119	749452	57.513	ug/l	99
87) 1,3-Dichlorobenzene	12.01	146	381093	53.318	ug/l	99
88) 1,4-Dichlorobenzene	12.08	146	365533	50.568	ug/l	98
89) n-Butylbenzene	12.37	91	622198	55.680	ug/l	100
90) Hexachloroethane	12.58	117	125527	53.476	ug/l	97
91) 1,2-Dichlorobenzene	12.38	146	354603	51.391	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.98	75	45536	47.412	ug/l	97

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Quant Title : SW846 8260
QLast Update : Fri Jun 19 12:07:48 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	212291	45.817	ug/l	96
94) Hexachlorobutadiene	13.77	225	100313	47.978	ug/l	97
95) Naphthalene	13.82	128	694660	51.066	ug/l	100
96) 1,2,3-Trichlorobenzene	14.00	180	218760	47.343	ug/l	99

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

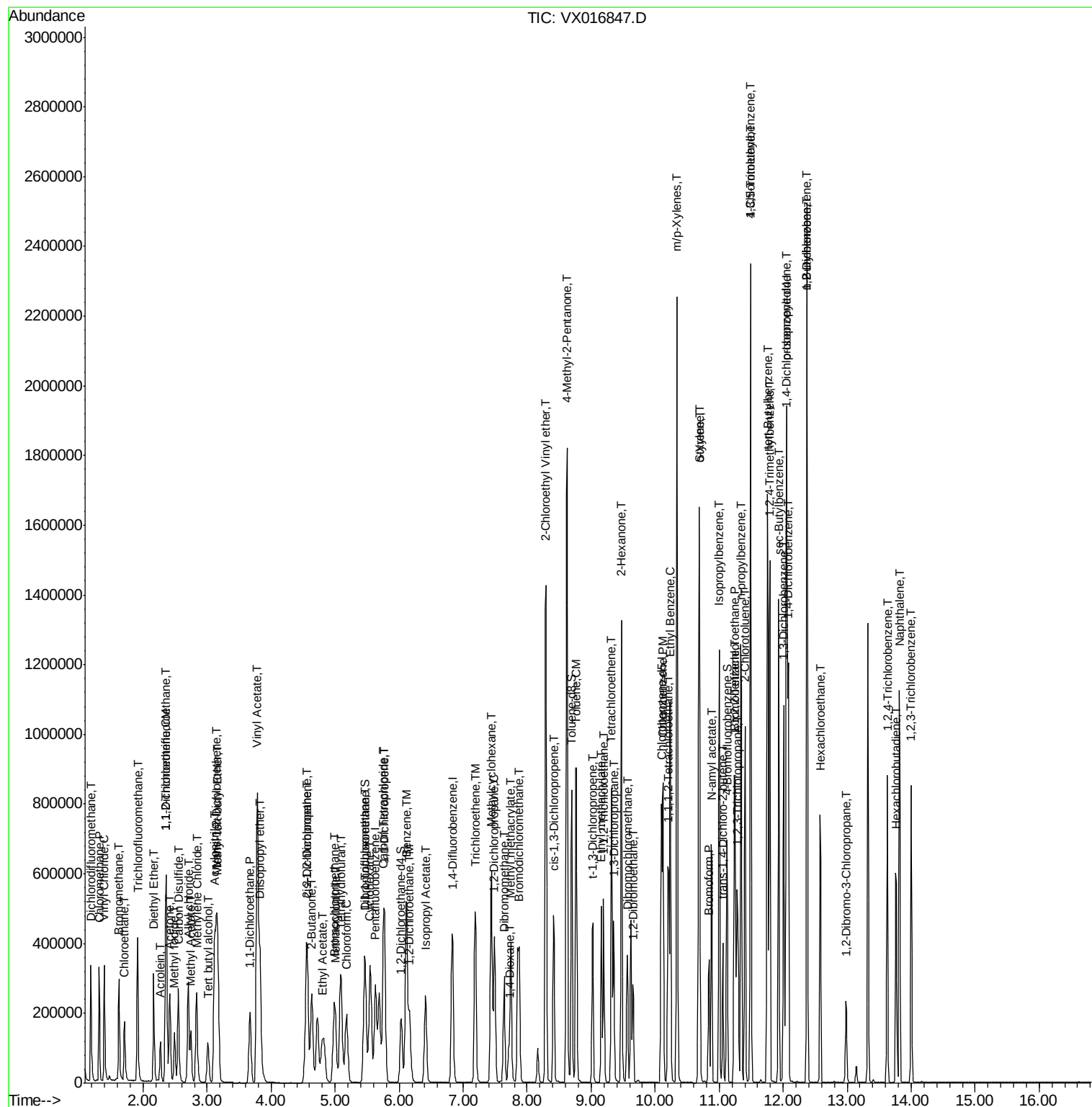
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX061820\
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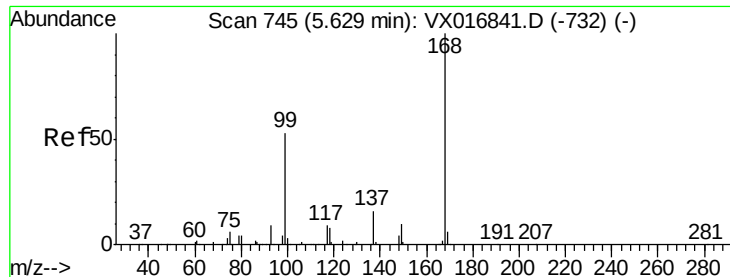
Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050

Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.00 min

Lab File: VX016847.D

Acq: 18 Jun 2020 18:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 282055

Ion Ratio Lower Upper

168 100

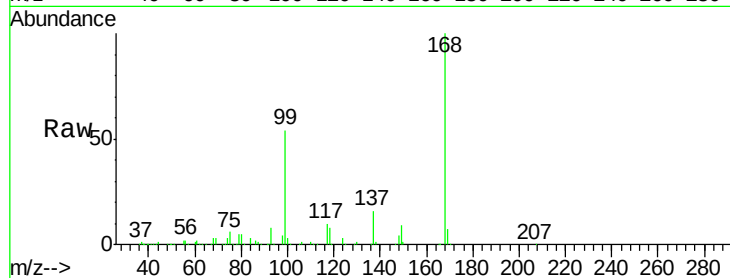
99 53.6 42.2 63.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

120000

100000

80000

60000

40000

20000

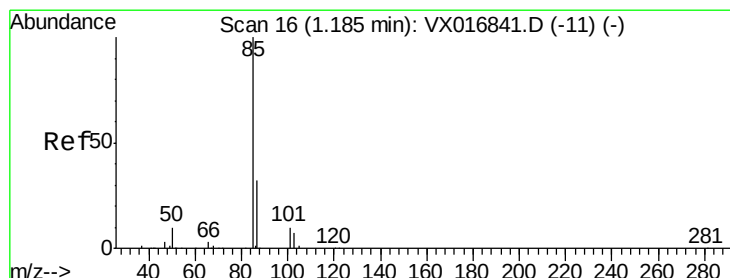
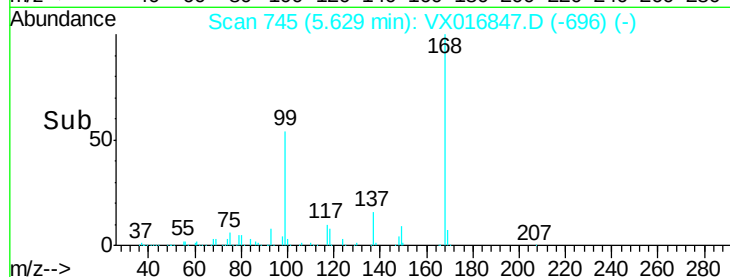
0

5.50

5.63

5.70

Time-->



#2

Dichlorodifluoromethane

Concen: 60.925 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX016847.D

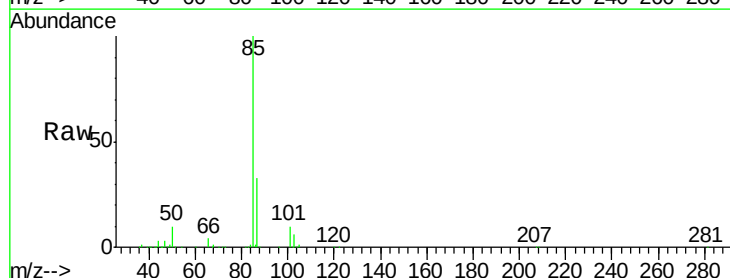
Acq: 18 Jun 2020 18:37

Tgt Ion: 85 Resp: 210885

Ion Ratio Lower Upper

85 100

87 32.9 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

200000

150000

100000

50000

0

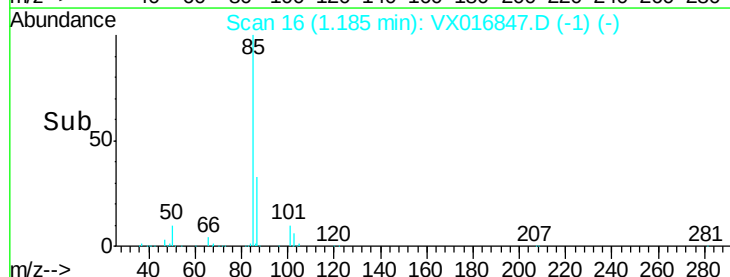
1.10

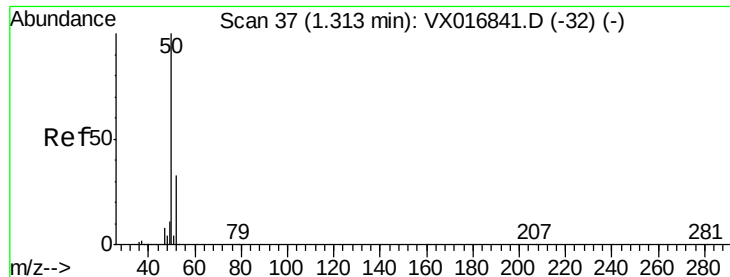
1.18

1.20

1.30

Time-->





#3

Chloromethane

Concen: 56.051 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX016847.D

Acq: 18 Jun 2020 18:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 196730

Ion Ratio Lower Upper

50 100

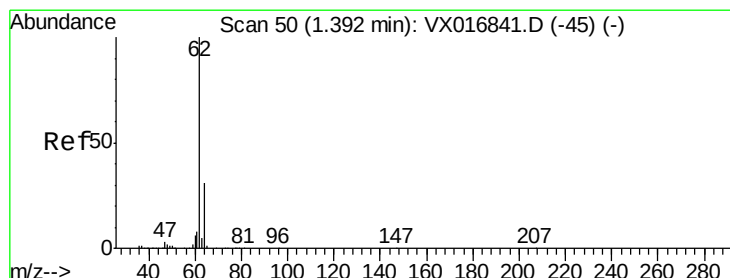
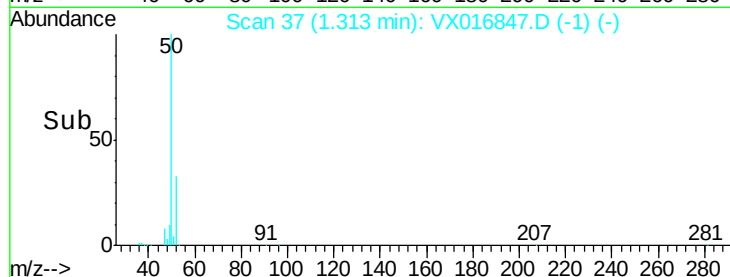
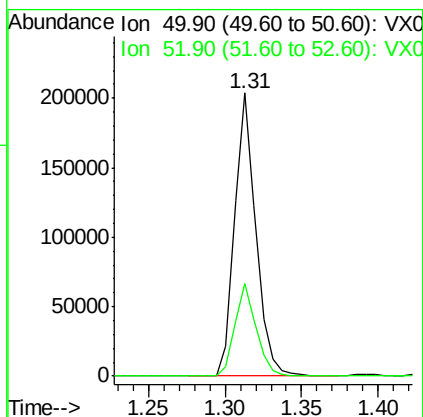
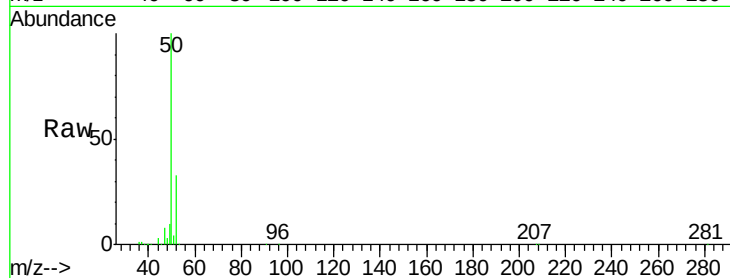
52 32.7 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 53.001 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX016847.D

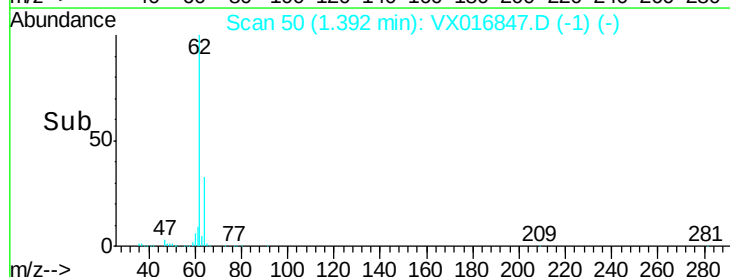
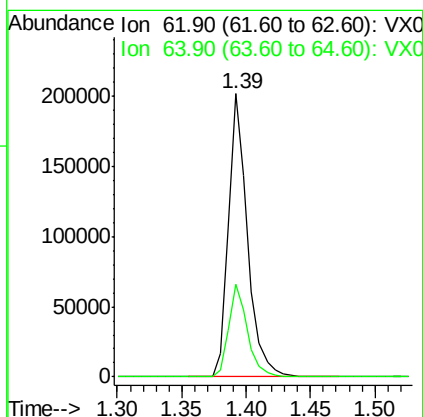
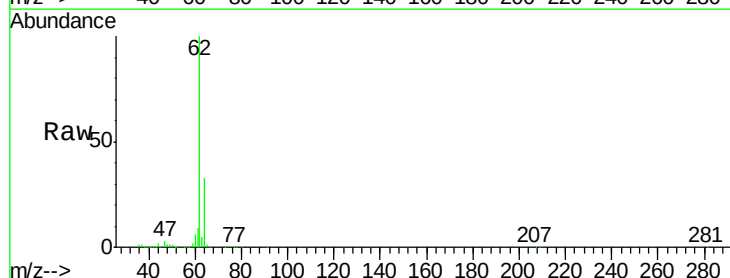
Acq: 18 Jun 2020 18:37

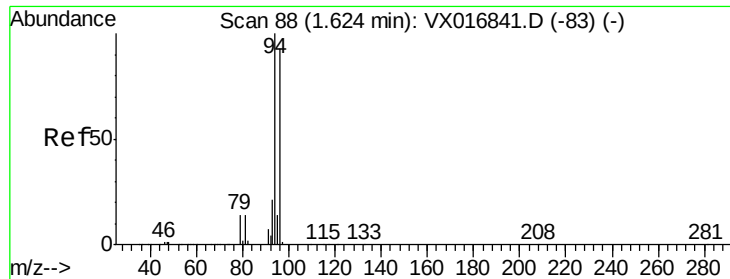
Tgt Ion: 62 Resp: 209658

Ion Ratio Lower Upper

62 100

64 32.6 25.0 37.4





#5

Bromomethane

Concen: 50.232 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VX016847.D

Acq: 18 Jun 2020 18:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 119646

Ion Ratio Lower Upper

94 100

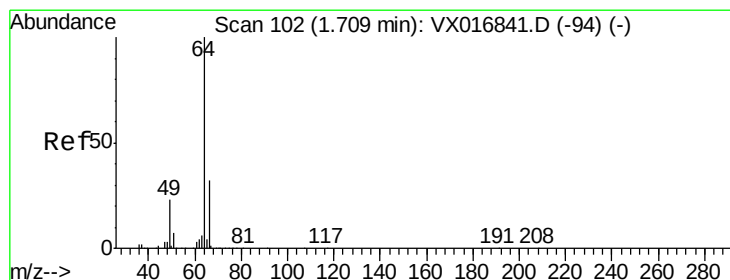
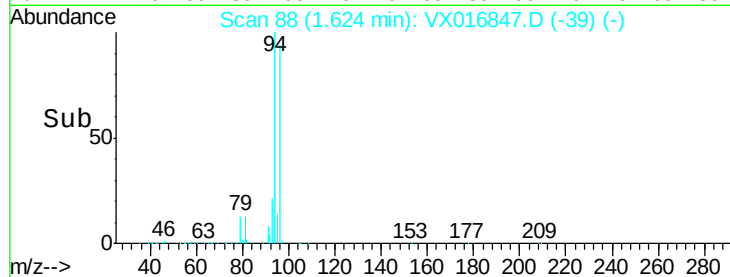
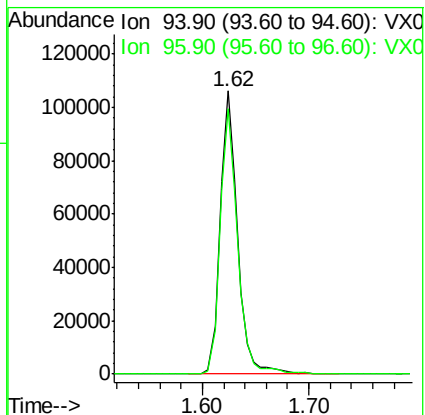
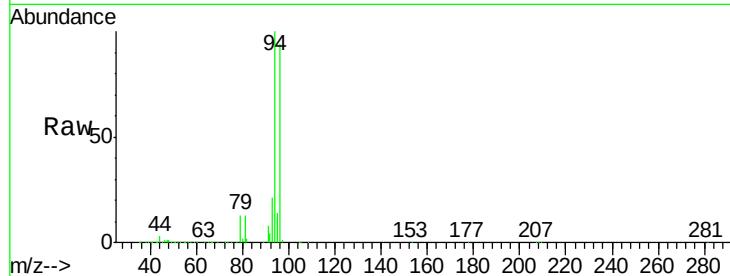
96 93.7 74.4 111.6

Manual Integrations

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#6

Chloroethane

Concen: 49.510 ug/l

RT: 1.71 min Scan# 102

Delta R.T. 0.00 min

Lab File: VX016847.D

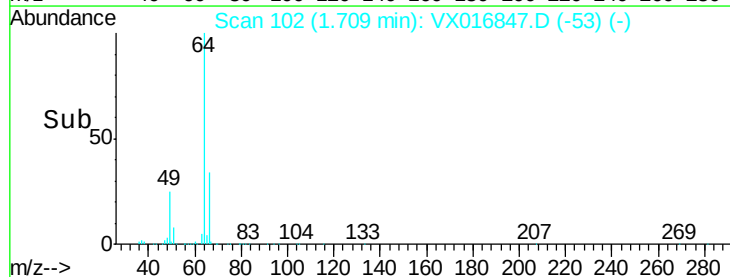
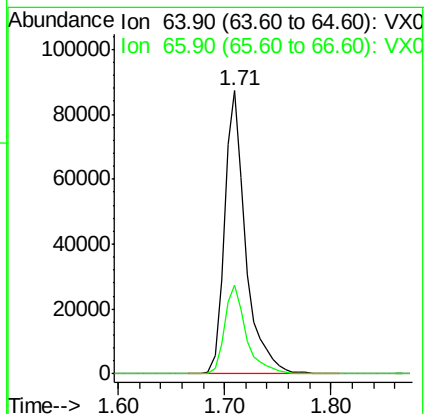
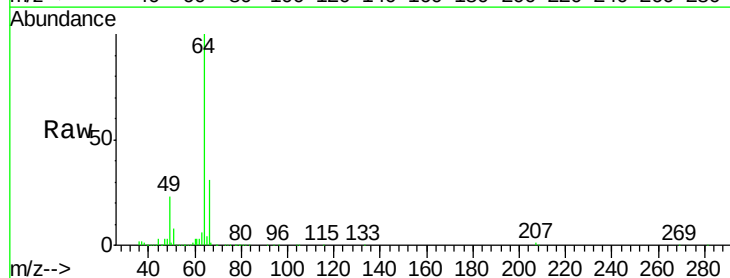
Acq: 18 Jun 2020 18:37

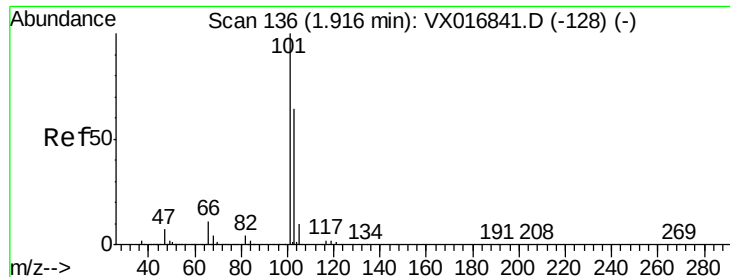
Tgt Ion: 64 Resp: 120622

Ion Ratio Lower Upper

64 100

66 31.3 25.7 38.5





#7

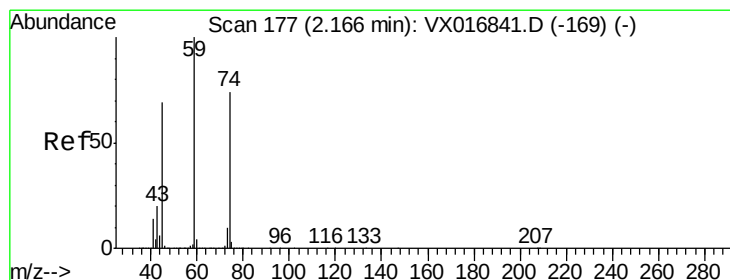
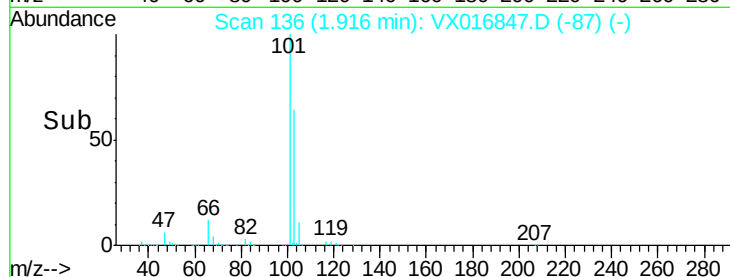
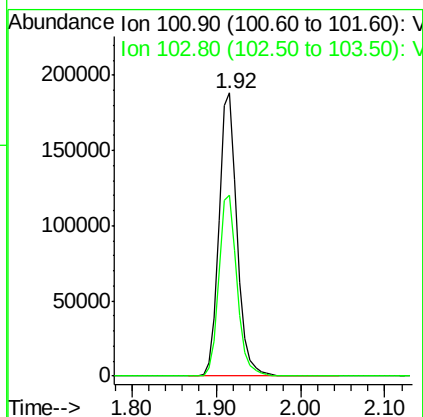
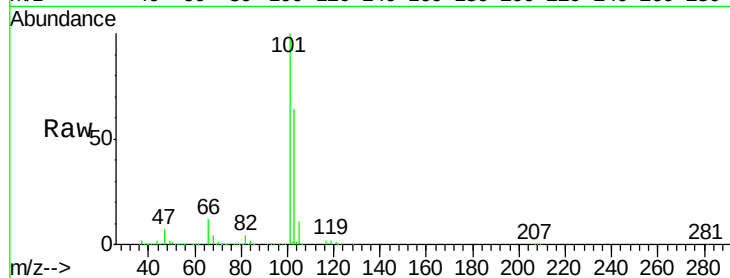
Trichlorofluoromethane
Concen: 50.262 ug/l
RT: 1.92 min Scan# 136
Delta R.T. 0.00 min
Lab File: VX016847.D
Acq: 18 Jun 2020 18:37

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MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	51.2	76.8

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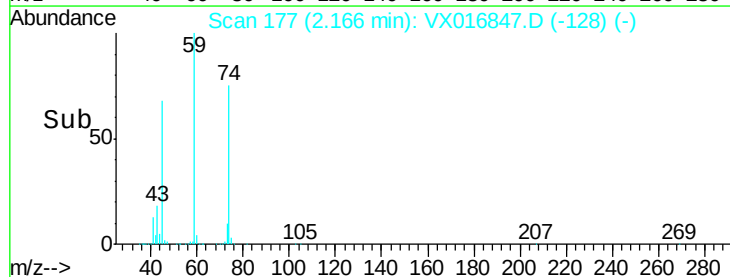
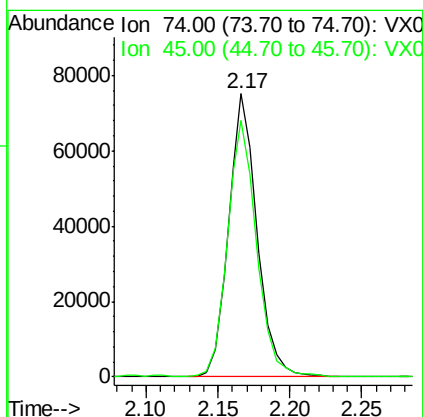
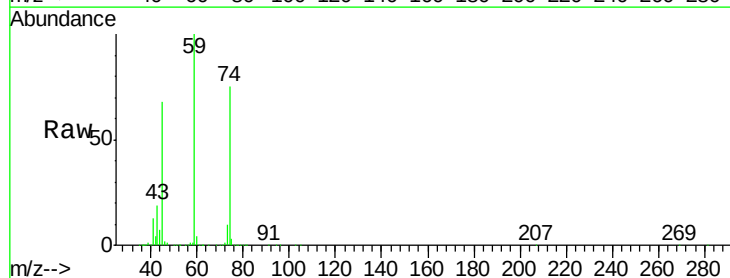
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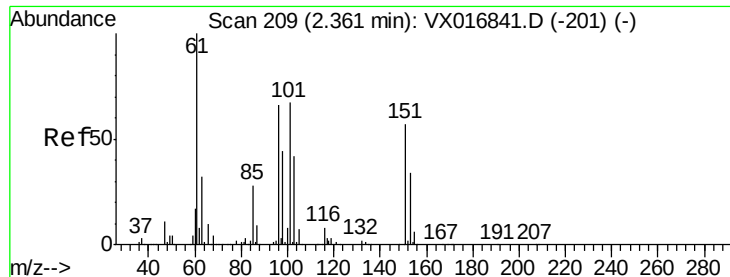


#8

Diethyl Ether
Concen: 48.385 ug/l
RT: 2.17 min Scan# 177
Delta R.T. 0.00 min
Lab File: VX016847.D
Acq: 18 Jun 2020 18:37

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.1	45.3	135.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.443 ug/l

RT: 2.36 min Scan# 209

Delta R.T. 0.00 min

Lab File: VX016847.D

Acq: 18 Jun 2020 18:37

Instrument :

MSVOA_X

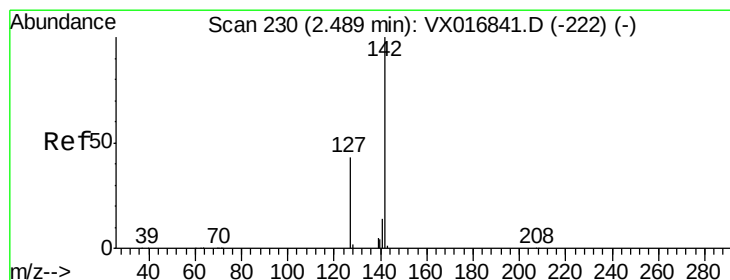
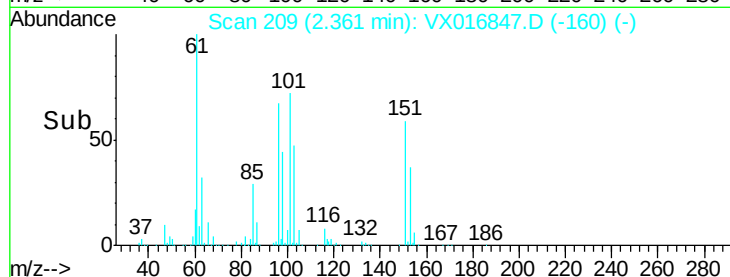
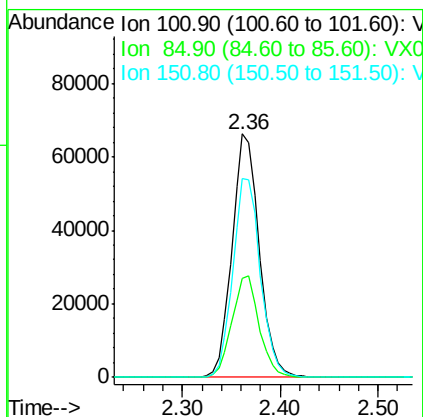
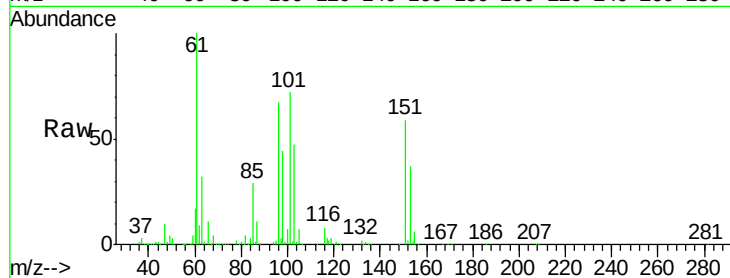
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	128055
Ion Ratio	Lower	Upper	
101	100		
85	41.4	34.3	51.5
151	82.8	67.6	101.4

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#10

Methyl Iodide

Concen: 53.380 ug/l

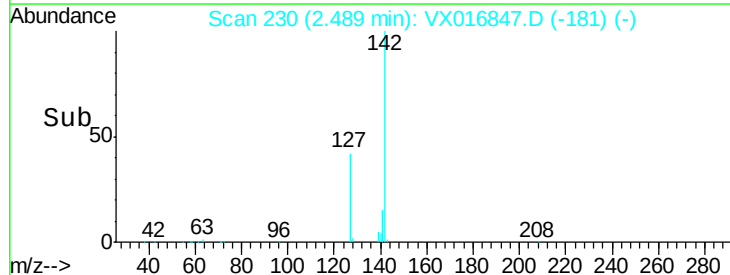
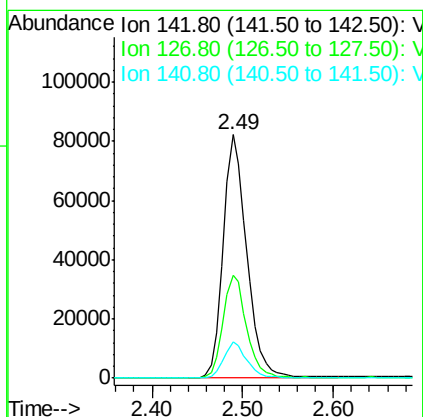
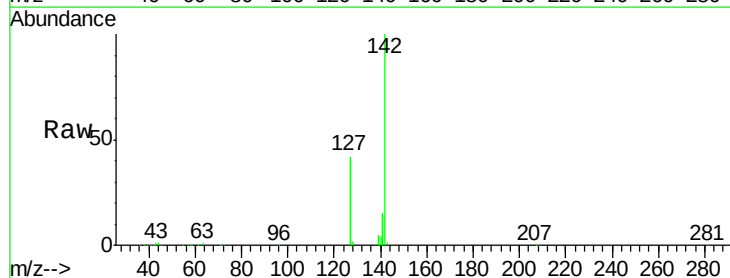
RT: 2.49 min Scan# 230

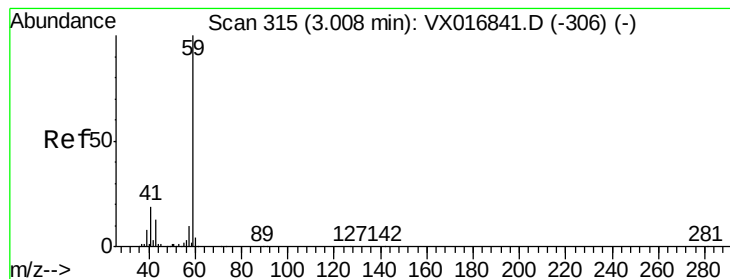
Delta R.T. 0.00 min

Lab File: VX016847.D

Acq: 18 Jun 2020 18:37

Tgt Ion:	142	Resp:	149793
Ion Ratio	Lower	Upper	
142	100		
127	42.1	35.1	52.7
141	14.4	11.6	17.4





#11

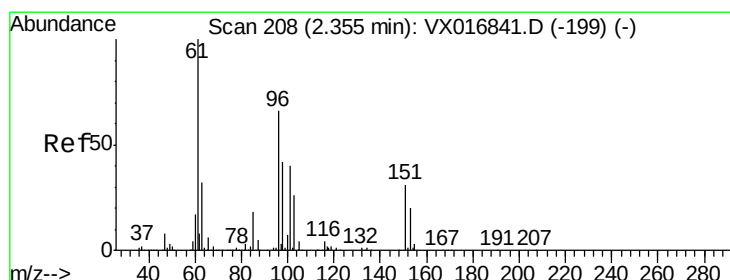
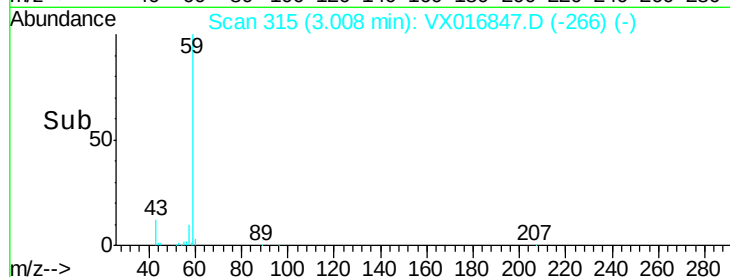
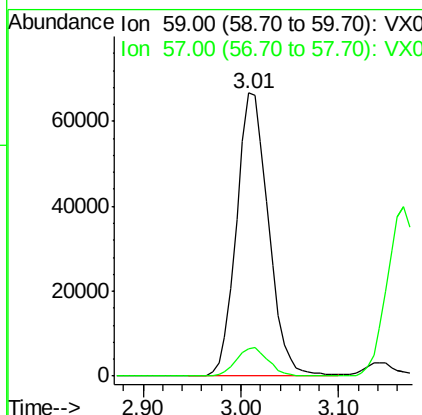
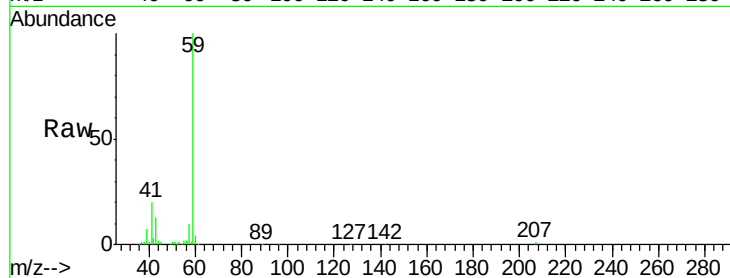
Tert butyl alcohol
Concen: 264.408 ug/l
RT: 3.01 min Scan# 315
Delta R.T. 0.00 min
Lab File: VX016847.D
Acq: 18 Jun 2020 18:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.4	12.6

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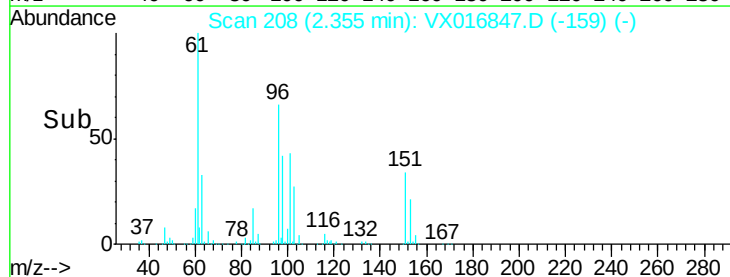
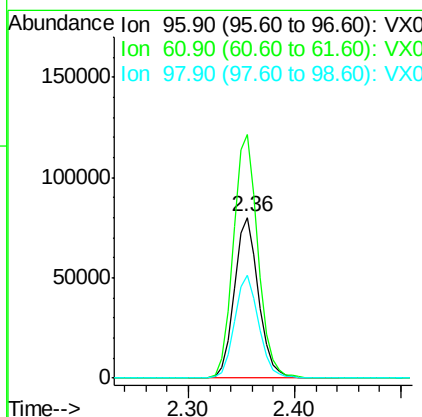
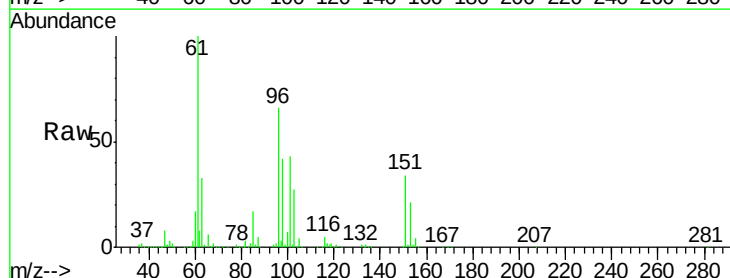
MMDadoda
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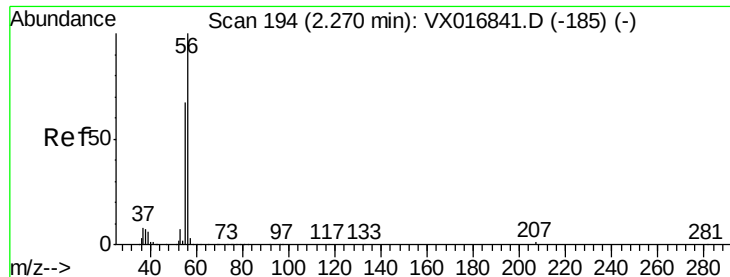


#12

1,1-Dichloroethene
Concen: 42.215 ug/l
RT: 2.36 min Scan# 208
Delta R.T. 0.00 min
Lab File: VX016847.D
Acq: 18 Jun 2020 18:37

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.9	121.7	182.5
98	63.9	51.1	76.7





#13

Acrolein

Concen: 235.590 ug/l

RT: 2.27 min Scan# 194

Delta R.T. 0.00 min

Lab File: VX016847.D

Acq: 18 Jun 2020 18:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 81911

Ion Ratio Lower Upper

56 100

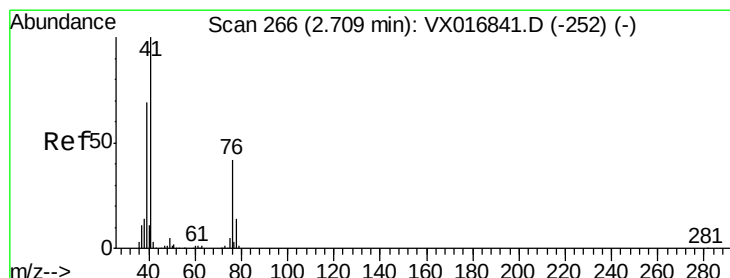
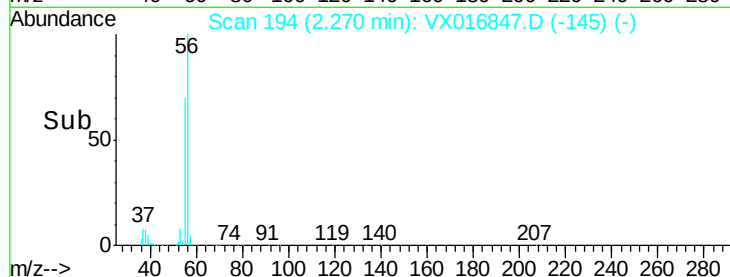
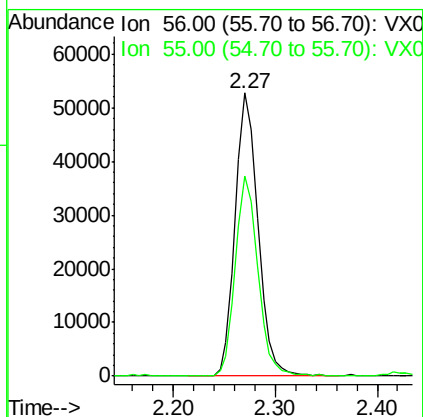
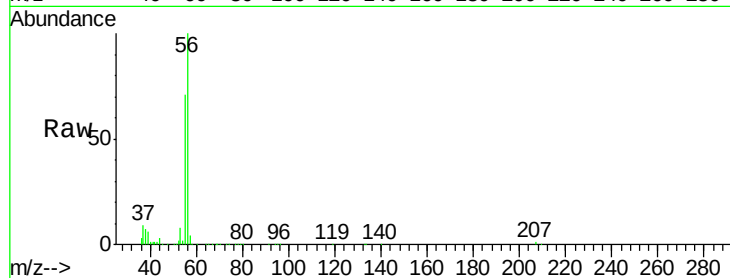
55 69.4 55.7 83.5

Manual Integrations

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#14

Allyl chloride

Concen: 50.313 ug/l

RT: 2.71 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX016847.D

Acq: 18 Jun 2020 18:37

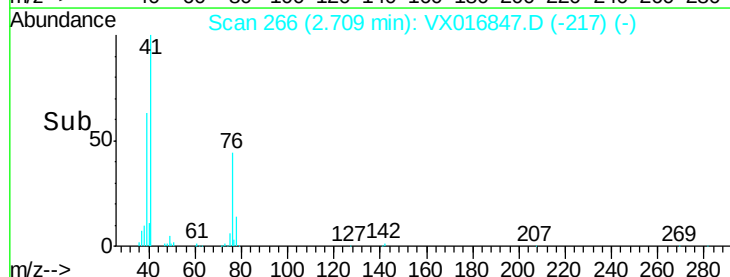
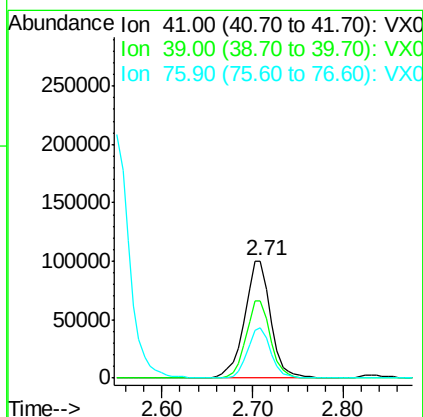
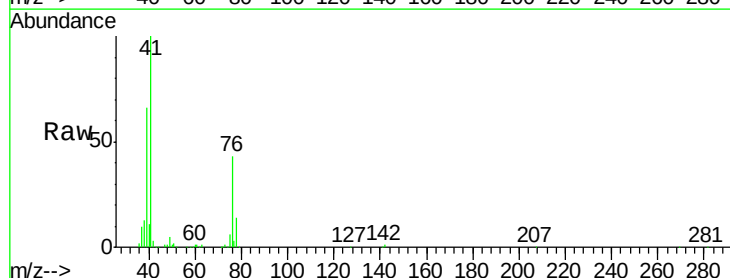
Tgt Ion: 41 Resp: 200594

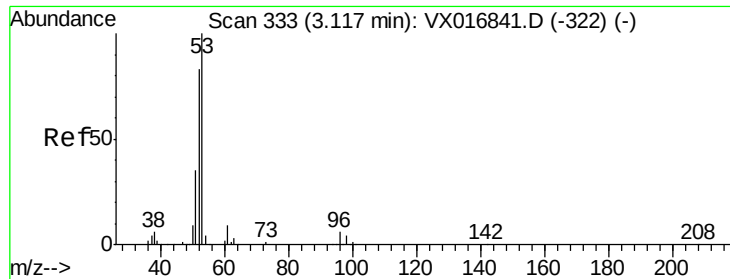
Ion Ratio Lower Upper

41 100

39 61.4 50.7 76.1

76 37.9 30.9 46.3





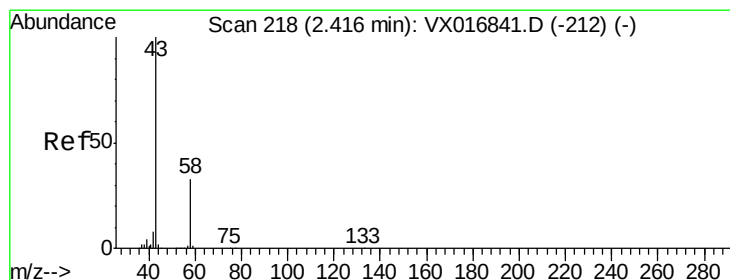
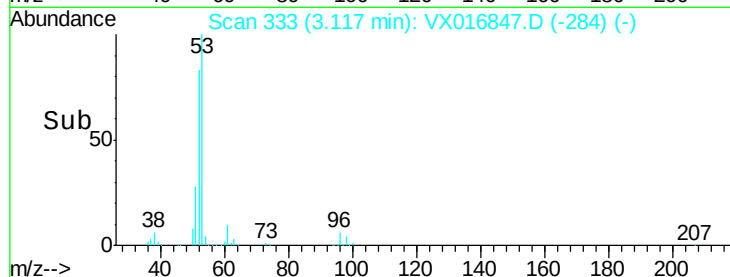
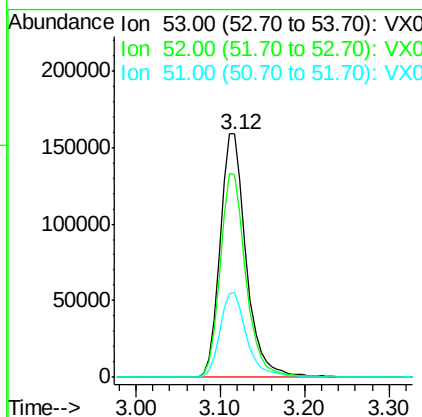
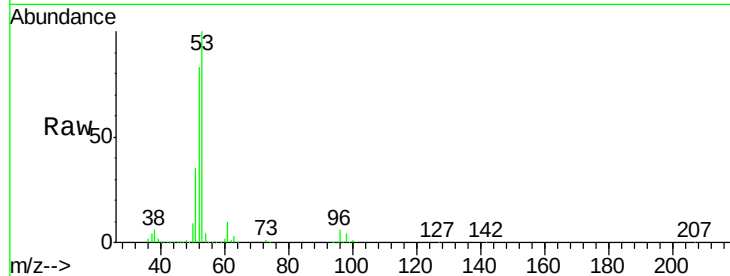
#15
 Acrylonitrile
 Concen: 258.215 ug/l
 RT: 3.12 min Scan# 333
 Delta R.T. 0.00 min
 Lab File: VX016847.D
 Acq: 18 Jun 2020 18:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.2	99.2
51	35.5	28.7	43.1

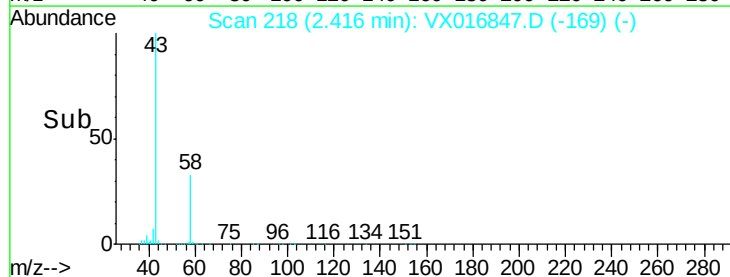
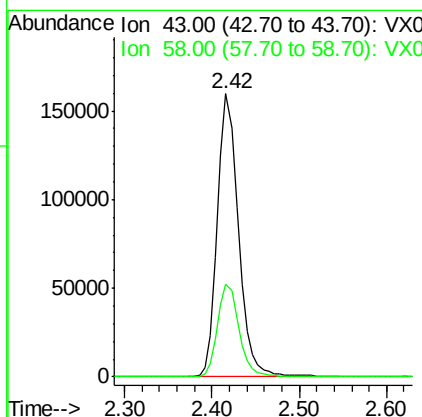
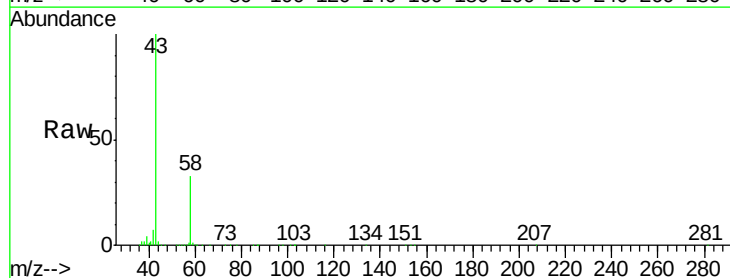
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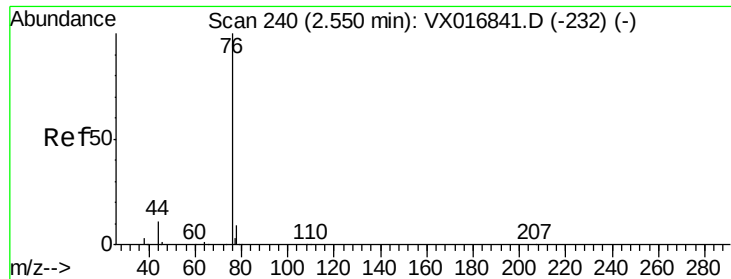
MMDadoda
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#16
 Acetone
 Concen: 218.000 ug/l
 RT: 2.42 min Scan# 218
 Delta R.T. 0.00 min
 Lab File: VX016847.D
 Acq: 18 Jun 2020 18:37

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.8	26.6	39.8





#17

Carbon Disulfide

Concen: 46.632 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX016847.D

Acq: 18 Jun 2020 18:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 363239

Ion Ratio Lower Upper

76 100

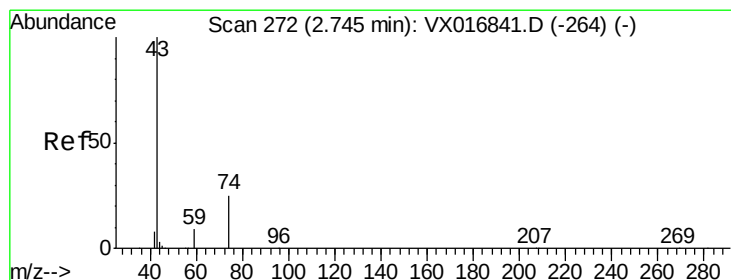
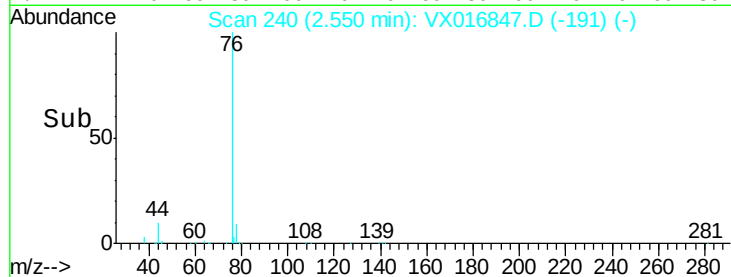
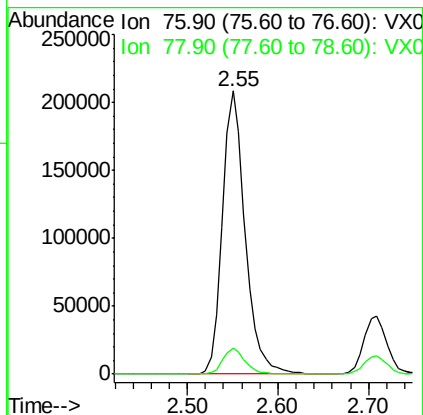
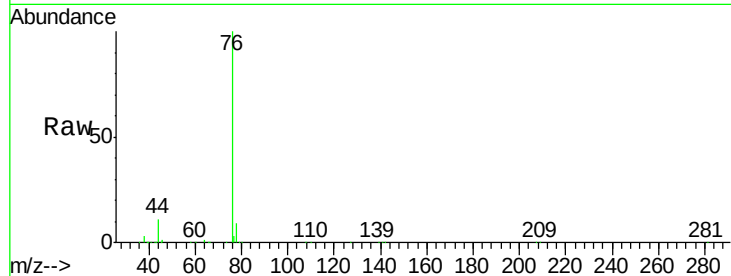
78 9.0 7.5 11.3

Manual Integrations

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#18

Methyl Acetate

Concen: 52.840 ug/l

RT: 2.75 min Scan# 272

Delta R.T. 0.00 min

Lab File: VX016847.D

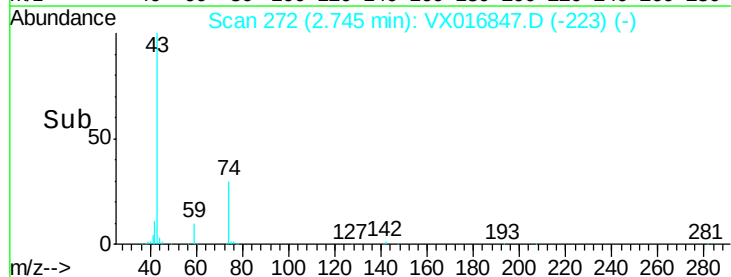
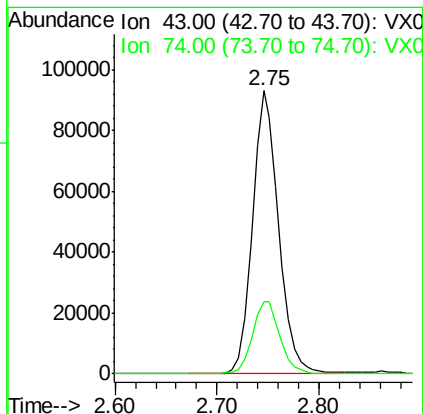
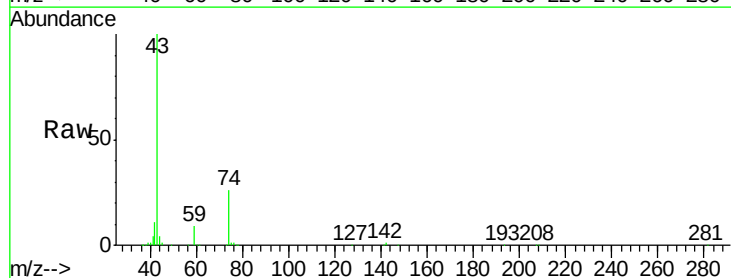
Acq: 18 Jun 2020 18:37

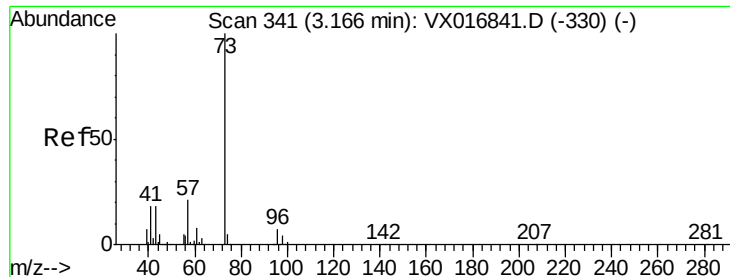
Tgt Ion: 43 Resp: 165462

Ion Ratio Lower Upper

43 100

74 27.2 21.8 32.8





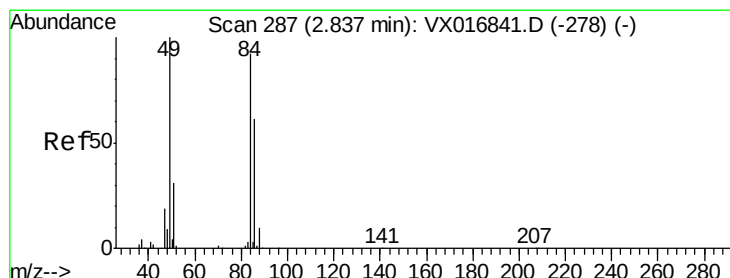
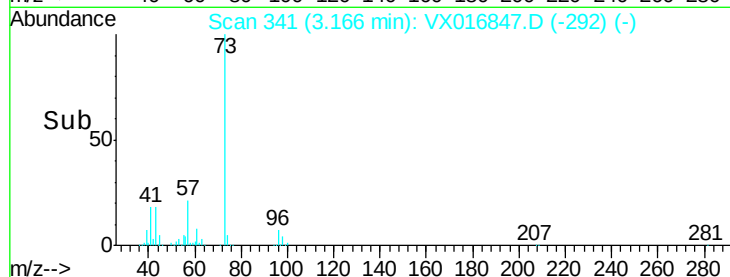
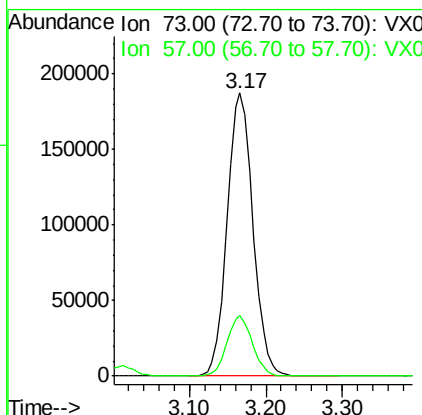
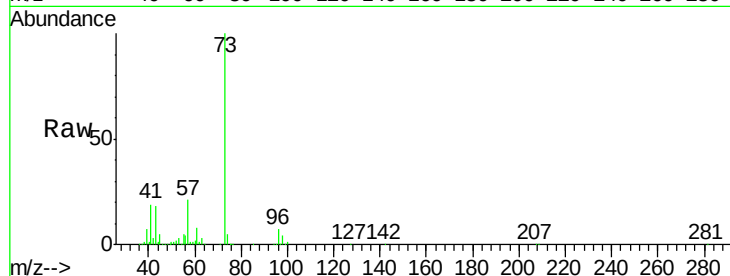
#19
Methyl tert-butyl Ether
Concen: 50.806 ug/l
RT: 3.17 min Scan# 341
Delta R.T. 0.00 min
Lab File: VX016847.D
Acq: 18 Jun 2020 18:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	73	Resp	436417
Ion Ratio	100	Lower	Upper
73	100		
57	21.3	16.9	25.3

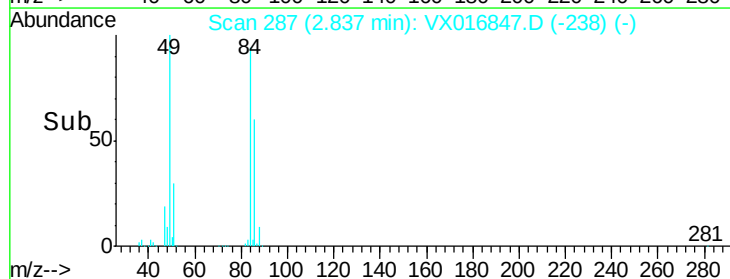
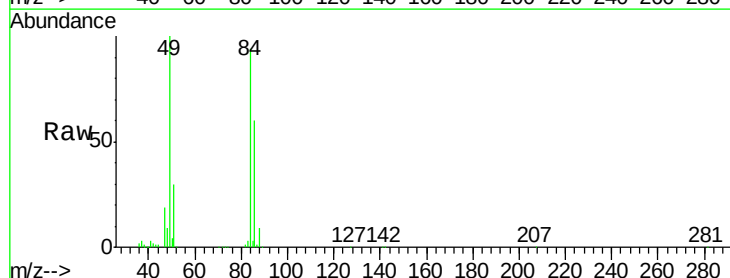
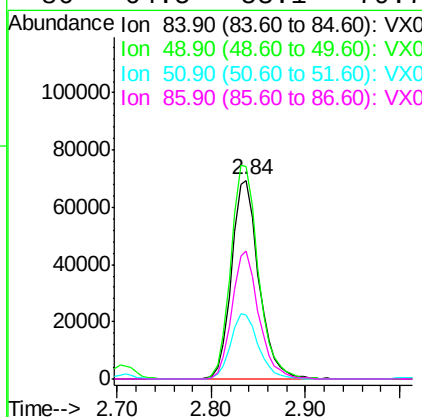
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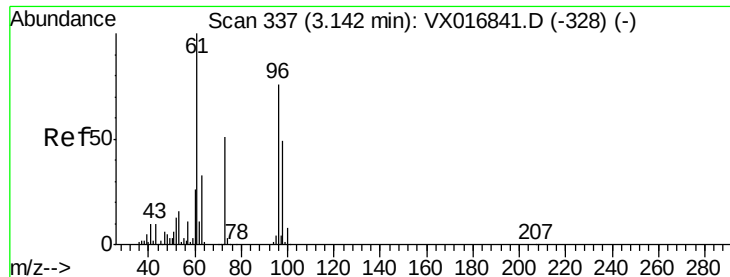
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#20
Methylene Chloride
Concen: 47.496 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX016847.D
Acq: 18 Jun 2020 18:37

Tgt Ion	84	Resp	140259
Ion Ratio	100	Lower	Upper
84	100		
49	106.8	86.6	129.8
51	32.3	27.1	40.7
86	64.5	53.1	79.7





#21

trans-1,2-Dichloroethene

Concen: 48.294 ug/l

RT: 3.14 min Scan# 337

Delta R.T. 0.00 min

Lab File: VX016847.D

Acq: 18 Jun 2020 18:37

Instrument :

MSVOA_X

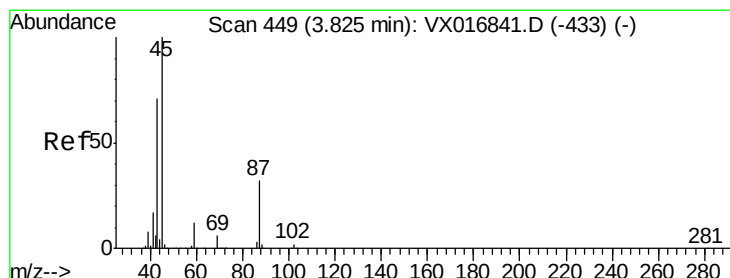
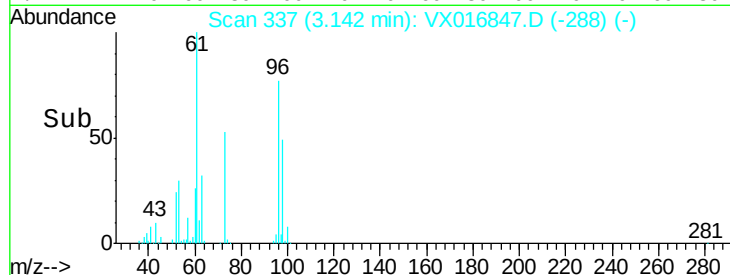
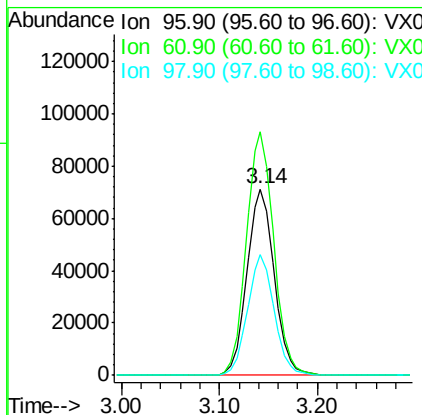
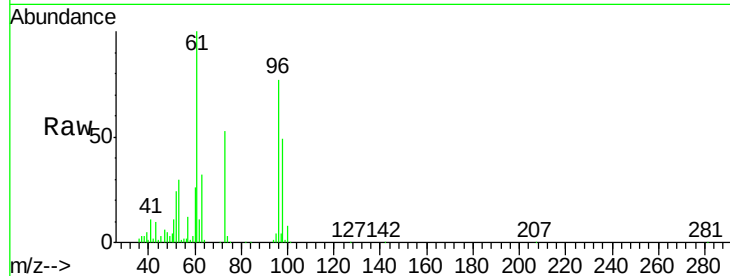
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	137406
Ion	Ratio	Lower	Upper
96	100		
61	130.6	105.4	158.0
98	64.6	51.3	76.9

Manual Integrations
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#22

Diisopropyl ether

Concen: 50.533 ug/l

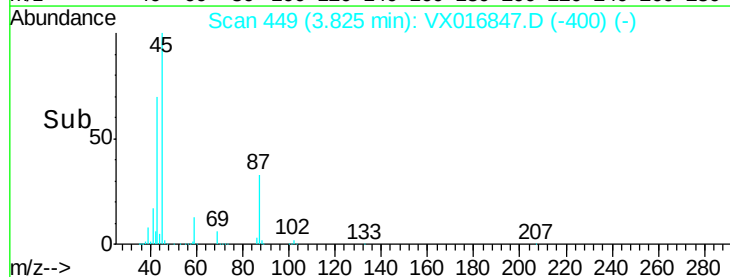
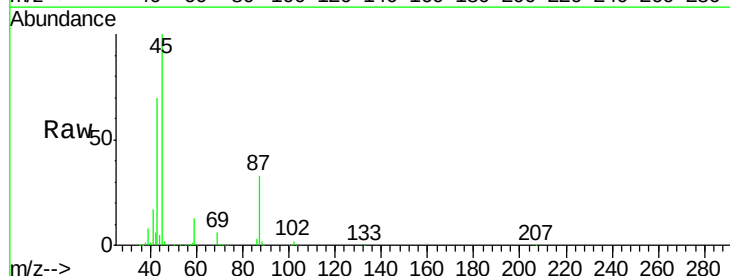
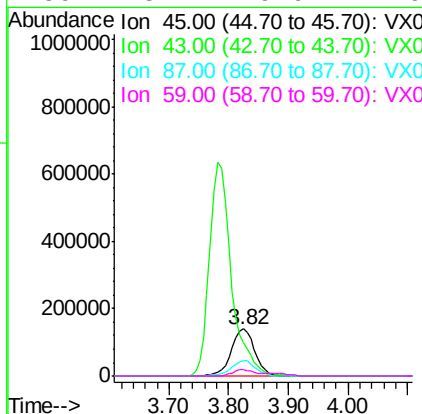
RT: 3.82 min Scan# 449

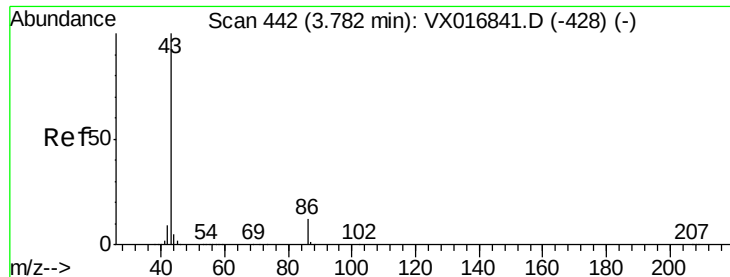
Delta R.T. 0.00 min

Lab File: VX016847.D

Acq: 18 Jun 2020 18:37

Tgt Ion:	45	Resp:	386010
Ion	Ratio	Lower	Upper
45	100		
43	69.9	57.0	85.4
87	32.8	25.2	37.8
59	13.1	9.9	14.9





#23

Vinyl Acetate

Concen: 257.948 ug/l

RT: 3.78 min Scan# 442

Delta R.T. 0.00 min

Lab File: VX016847.D

Acq: 18 Jun 2020 18:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1624779

Ion Ratio Lower Upper

43 100

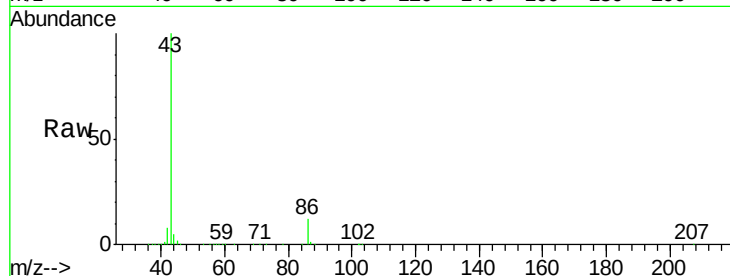
86 12.4 9.9 14.9

Manual Integrations

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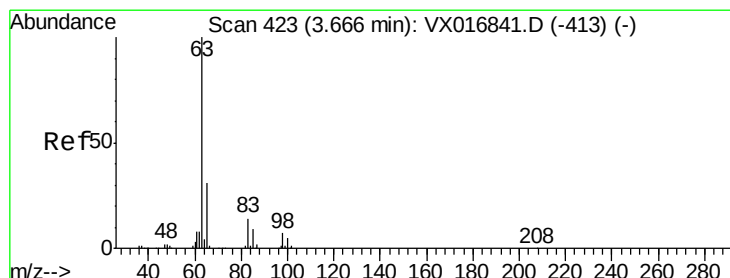
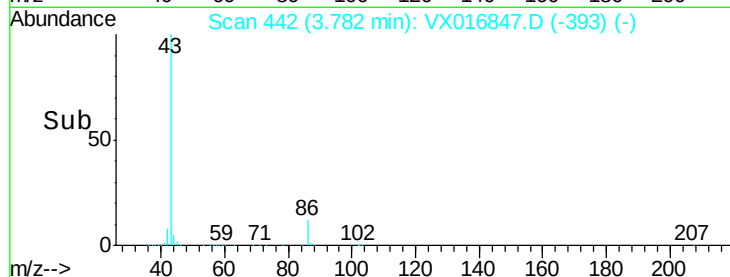
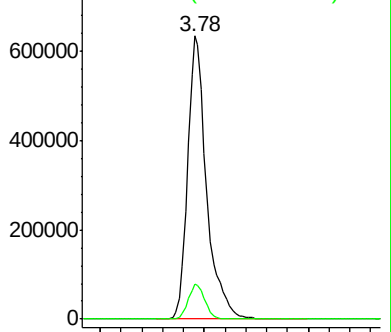
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 49.453 ug/l

RT: 3.67 min Scan# 424

Delta R.T. 0.01 min

Lab File: VX016847.D

Acq: 18 Jun 2020 18:37

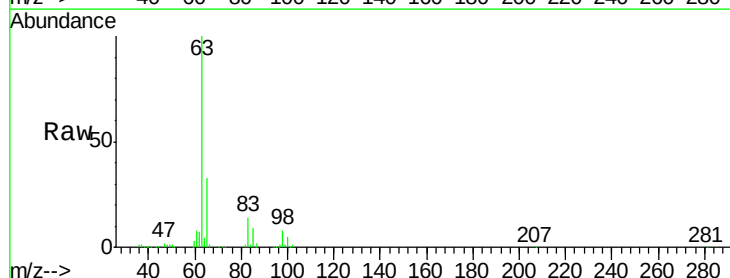
Tgt Ion: 63 Resp: 235969

Ion Ratio Lower Upper

63 100

98 8.0 3.6 10.9

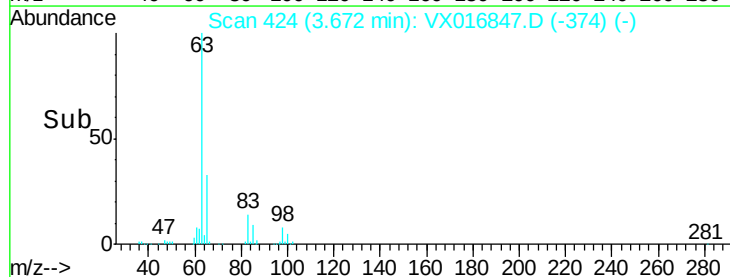
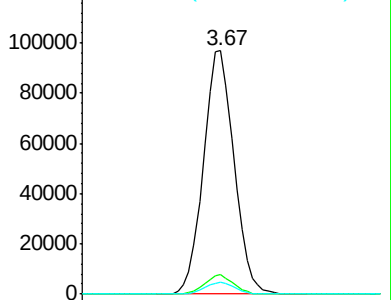
100 4.8 2.4 7.1

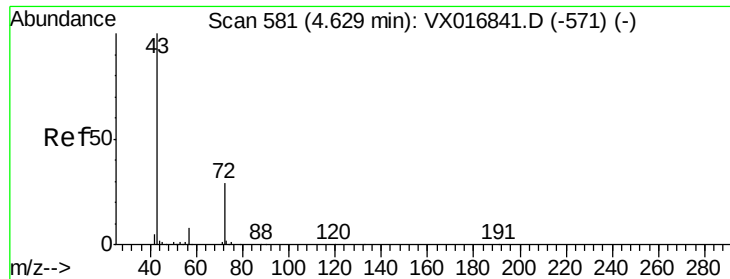


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 258.794 ug/l

RT: 4.64 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX016847.D

Acq: 18 Jun 2020 18:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 438595

Ion Ratio Lower Upper

43 100

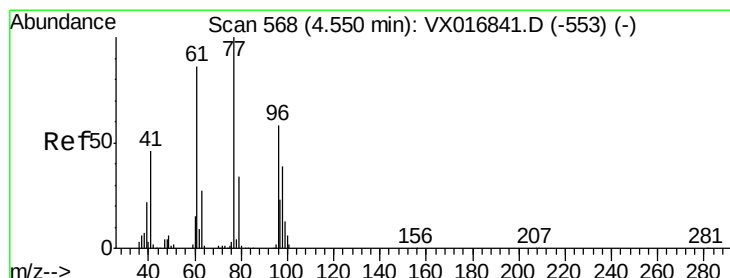
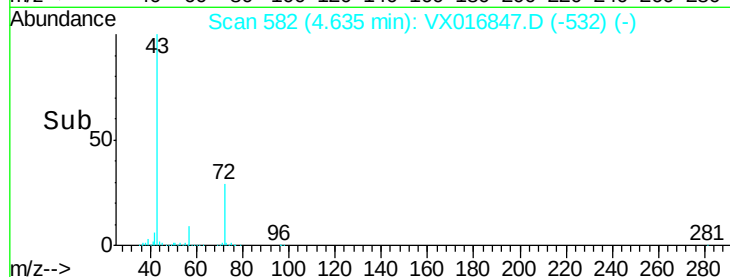
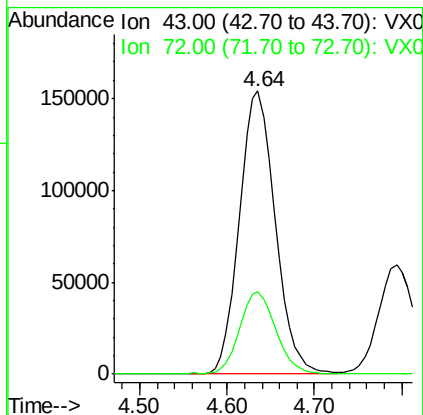
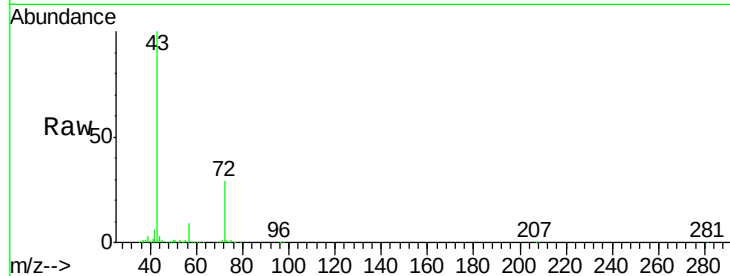
72 29.1 23.5 35.3

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 47.933 ug/l

RT: 4.55 min Scan# 568

Delta R.T. 0.00 min

Lab File: VX016847.D

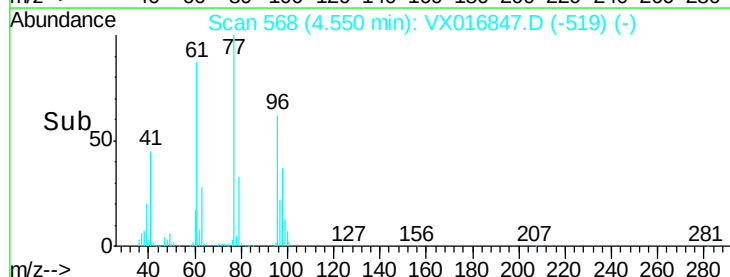
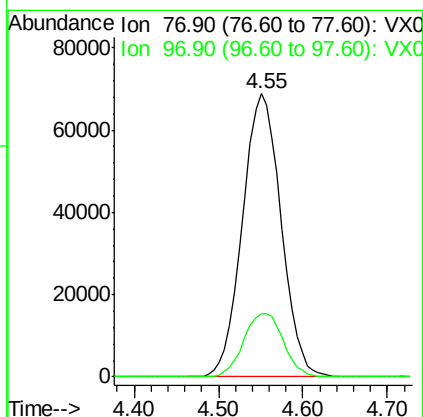
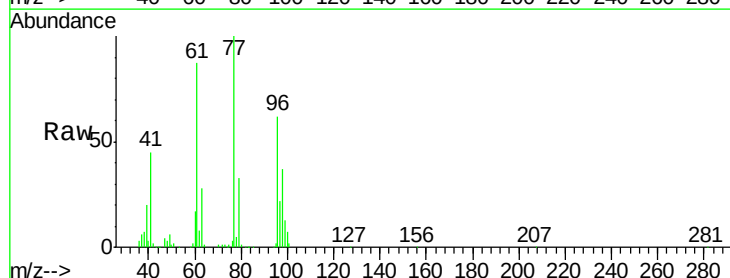
Acq: 18 Jun 2020 18:37

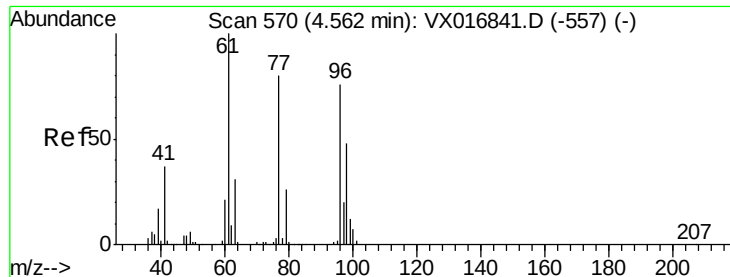
Tgt Ion: 77 Resp: 214279

Ion Ratio Lower Upper

77 100

97 23.3 11.6 34.7





#27

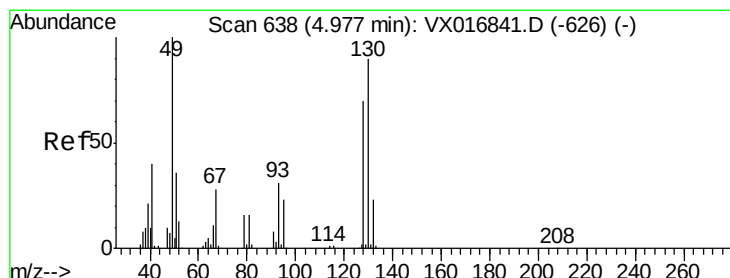
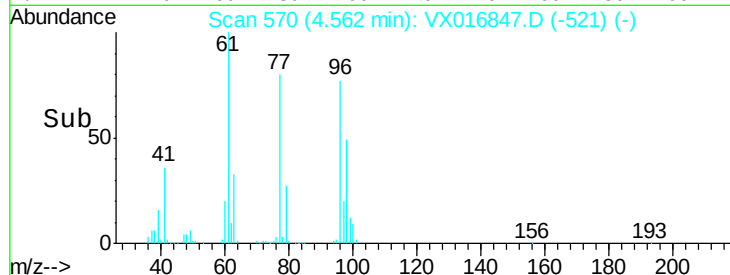
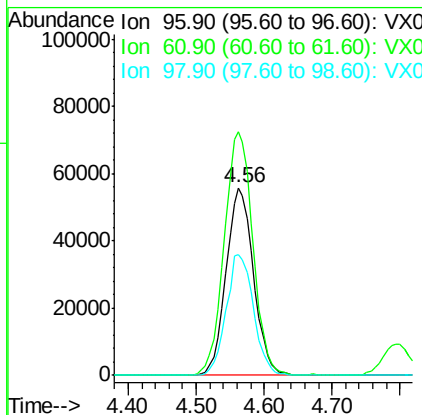
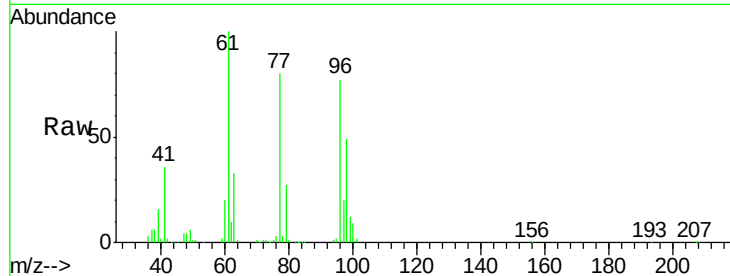
cis-1,2-Dichloroethene
Concen: 48.683 ug/l
RT: 4.56 min Scan# 570
Delta R.T. 0.00 min
Lab File: VX016847.D
Acq: 18 Jun 2020 18:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	135.3	0.0	273.8	
98	64.5	0.0	129.0	

Manual Integrations
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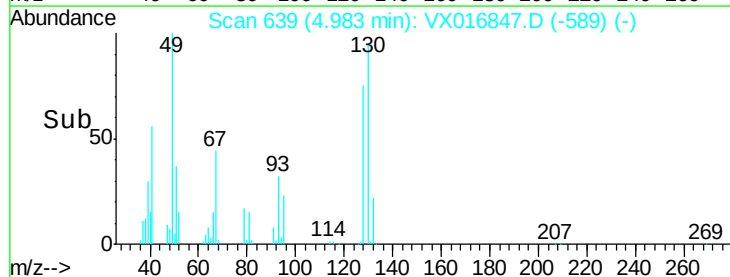
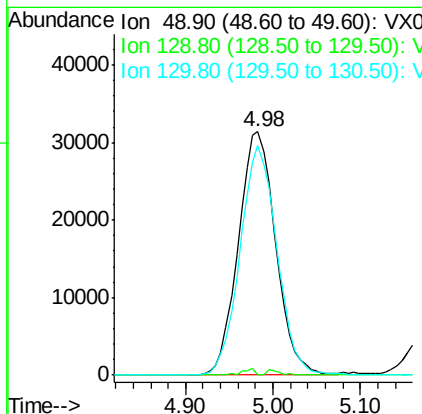
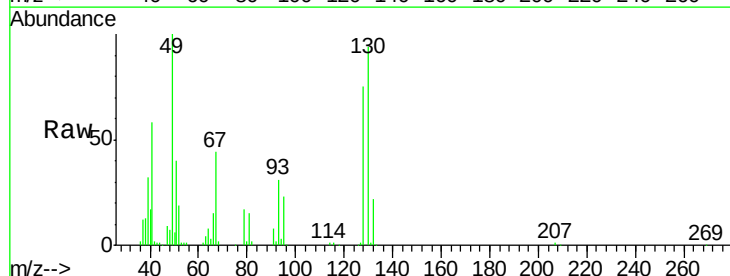
MMDadoda
6/19/2020 12:50:15 PM

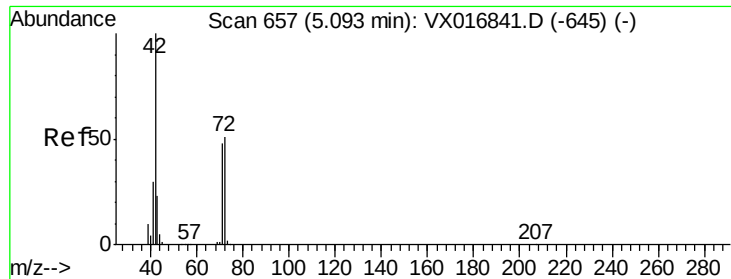


#28

Bromochloromethane
Concen: 47.182 ug/l
RT: 4.98 min Scan# 639
Delta R.T. 0.01 min
Lab File: VX016847.D
Acq: 18 Jun 2020 18:37

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.0	0.0	5.0	
130	92.4	76.8	115.2	





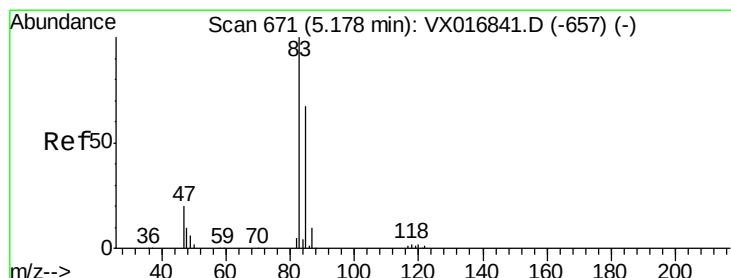
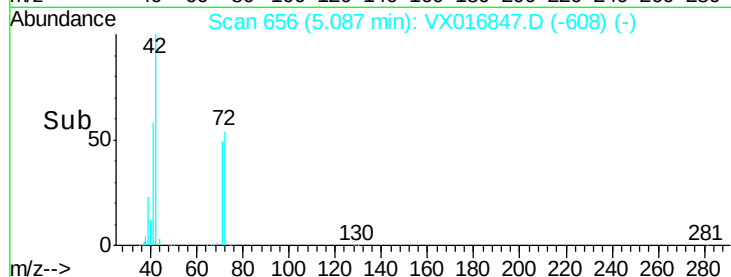
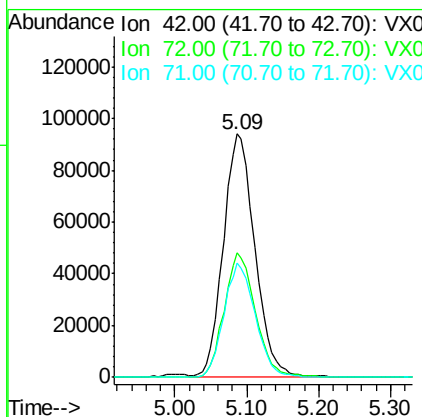
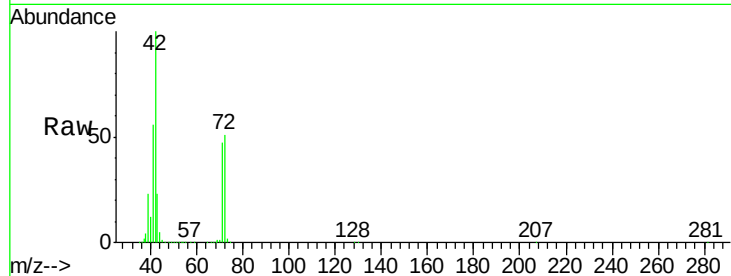
#29
Tetrahydrofuran
Concen: 266.300 ug/l
RT: 5.09 min Scan# 656
Delta R.T. -0.01 min
Lab File: VX016847.D
Acq: 18 Jun 2020 18:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	51.2	41.1	61.7
71	47.1	38.4	57.6

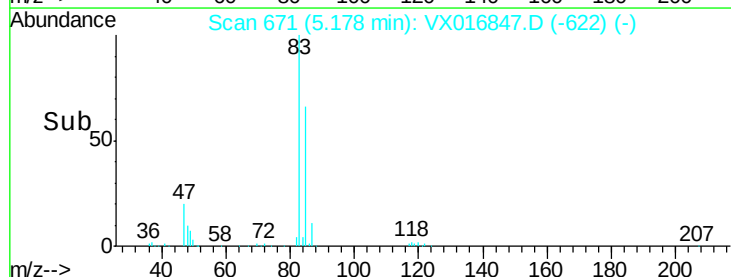
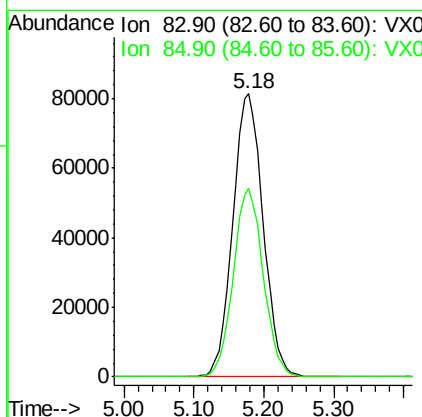
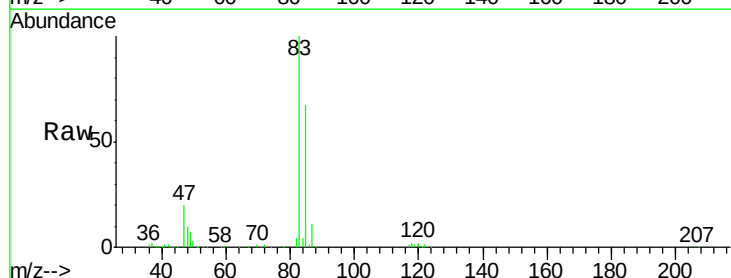
Manual Integrations
APPROVED

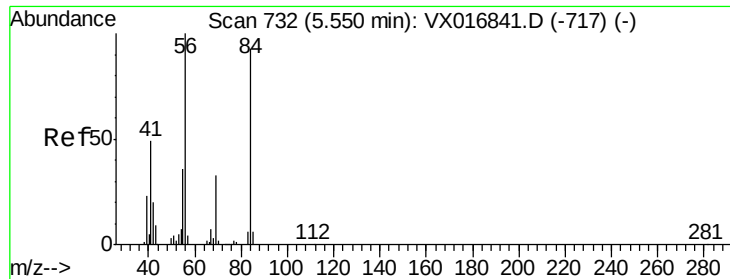
MMDadoda
6/19/2020 12:50:15 PM



#30
Chloroform
Concen: 48.657 ug/l
RT: 5.18 min Scan# 671
Delta R.T. 0.00 min
Lab File: VX016847.D
Acq: 18 Jun 2020 18:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.7	53.4	80.0





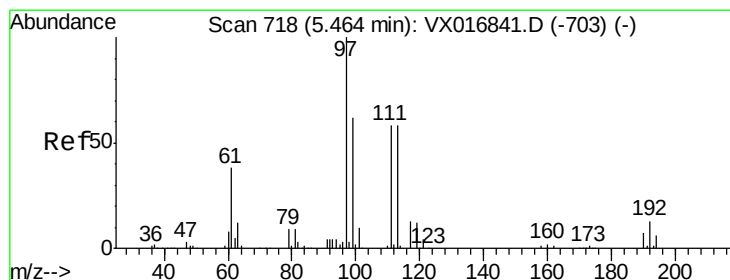
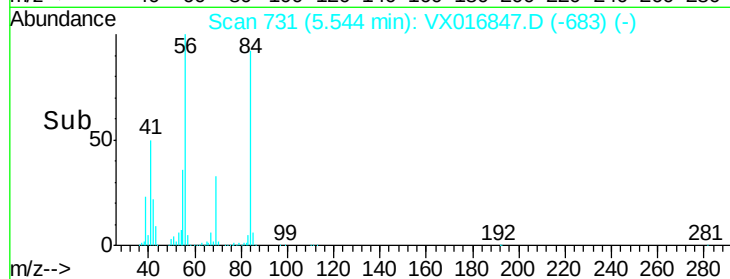
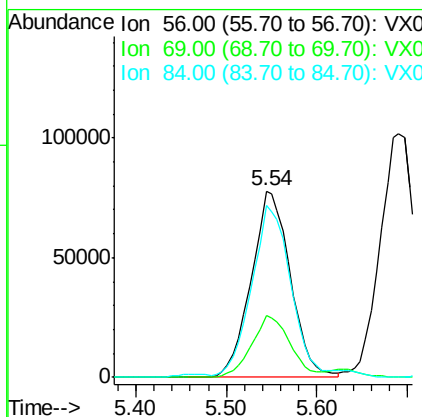
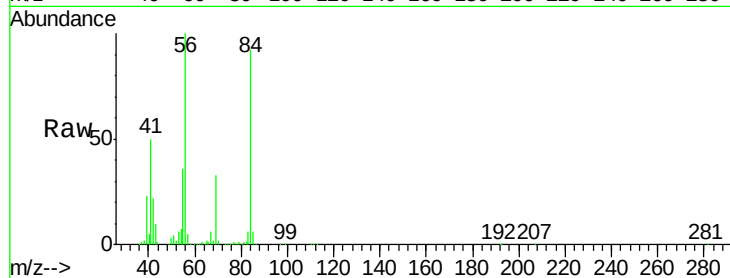
#31
Cyclohexane
Concen: 55.275 ug/l
RT: 5.54 min Scan# 731
Delta R.T. -0.01 min
Lab File: VX016847.D
Acq: 18 Jun 2020 18:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.0	26.1	39.1
84	90.5	73.0	109.6

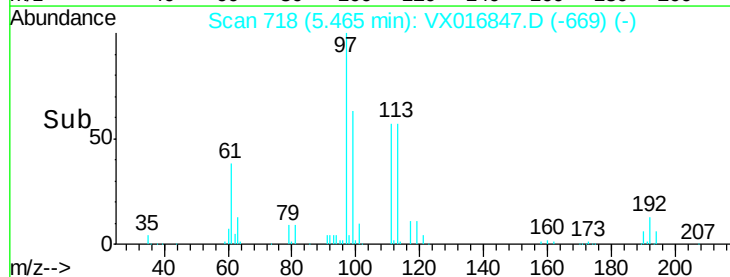
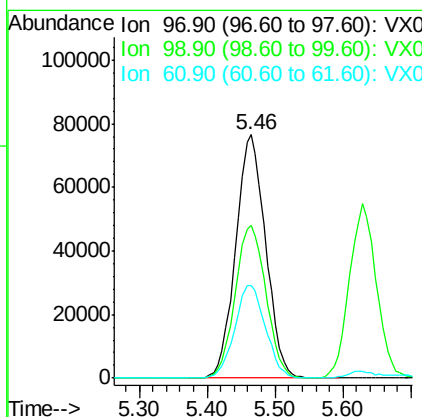
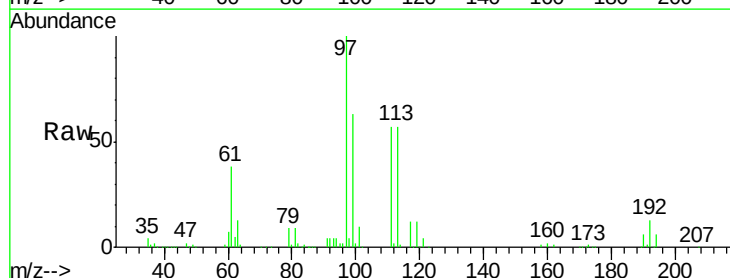
Manual Integrations
APPROVED

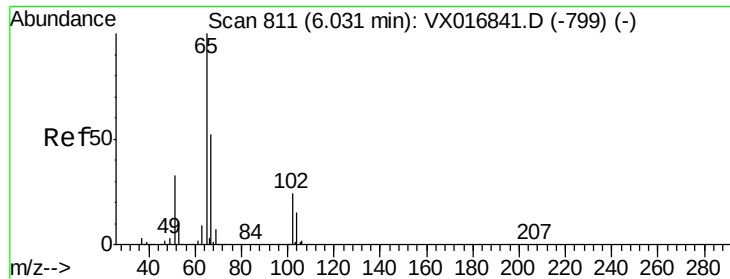
MMDadoda
6/19/2020 12:50:15 PM



#32
1,1,1-Trichloroethane
Concen: 48.986 ug/l
RT: 5.46 min Scan# 718
Delta R.T. 0.00 min
Lab File: VX016847.D
Acq: 18 Jun 2020 18:37

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.3	76.9
61	39.1	31.3	46.9





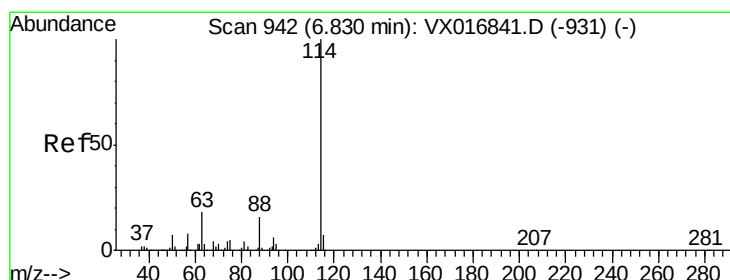
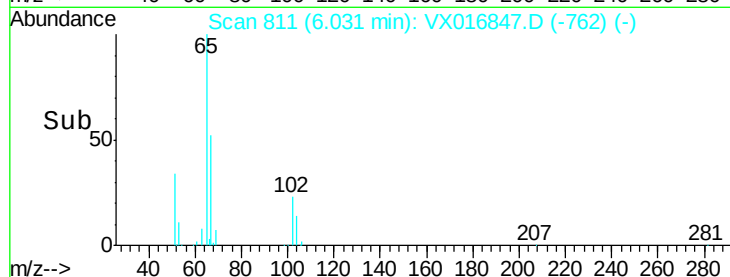
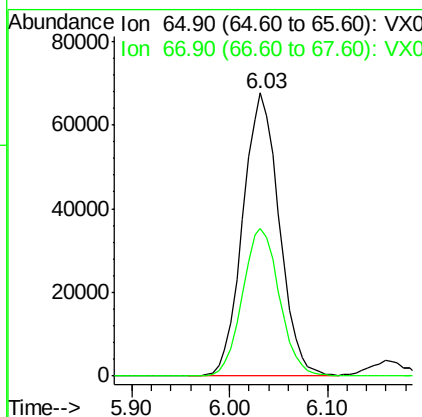
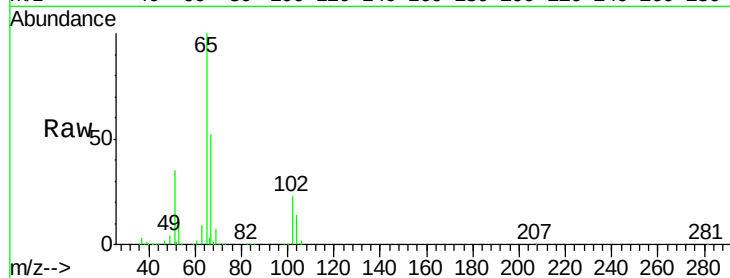
#33
 1,2-Dichloroethane-d4
 Concen: 51.777 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. 0.00 min
 Lab File: VX016847.D
 Acq: 18 Jun 2020 18:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	175637		
67	53.0	0.0	102.6	

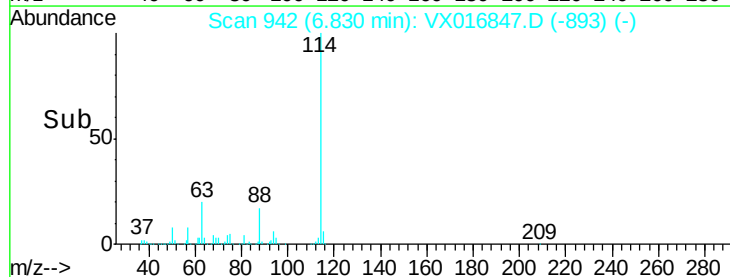
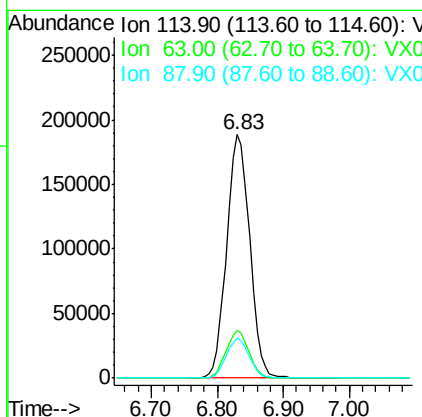
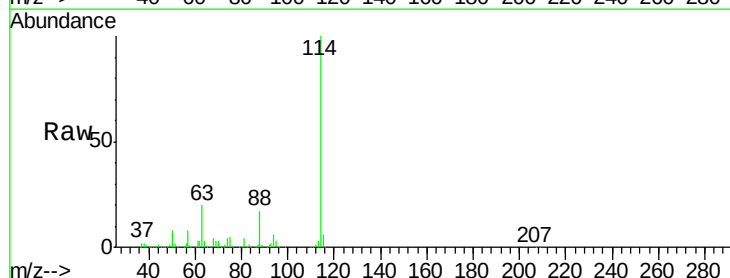
Manual Integrations
 APPROVED

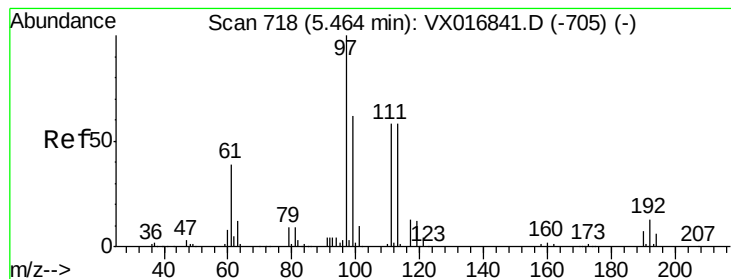
MMDadoda
 6/19/2020 12:50:15 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.00 min
 Lab File: VX016847.D
 Acq: 18 Jun 2020 18:37

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	455222		
63	19.9	0.0	37.0	
88	16.7	0.0	32.0	





#35

Dibromofluoromethane

Concen: 43.040 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.00 min

Lab File: VX016847.D

Acq: 18 Jun 2020 18:37

Instrument :

MSVOA_X

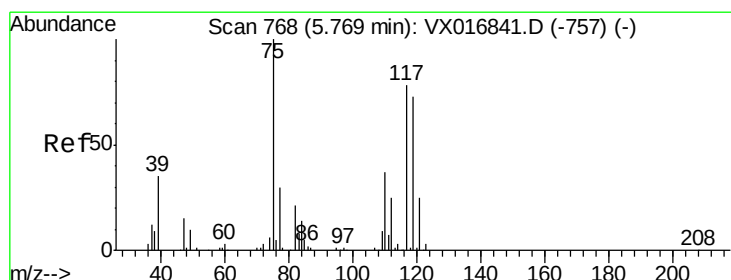
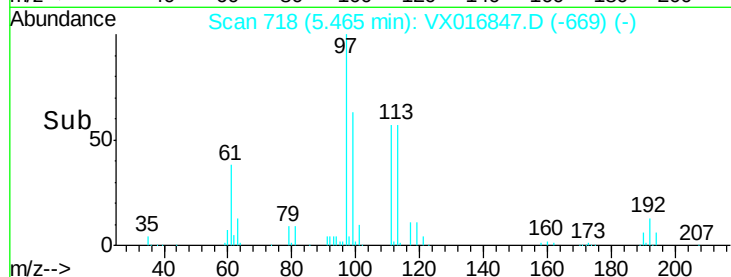
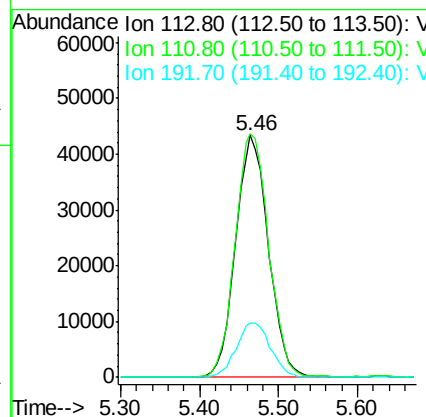
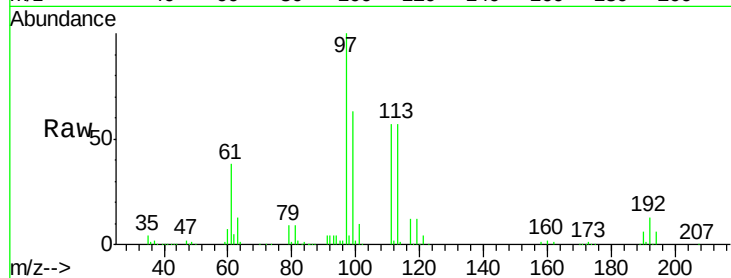
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	125336
Ion Ratio	Lower	Upper	
113	100		
111	103.1	81.0	121.4
192	23.6	18.5	27.7

Manual Integrations
APPROVED

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6/19/2020 12:50:15 PM



#36

1,1-Dichloropropene

Concen: 51.793 ug/l

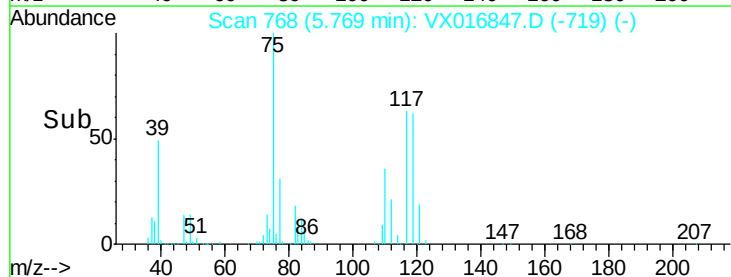
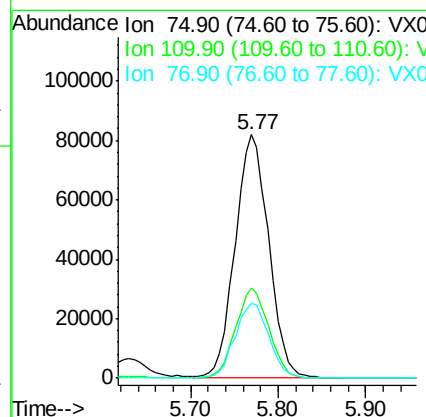
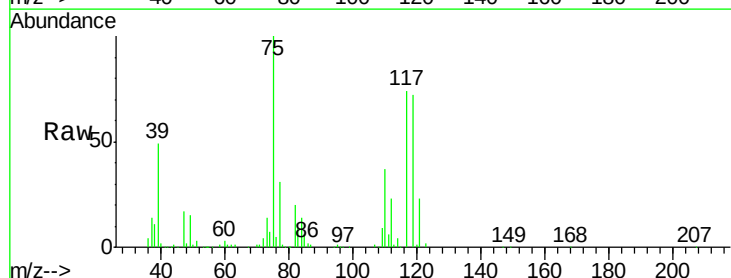
RT: 5.77 min Scan# 768

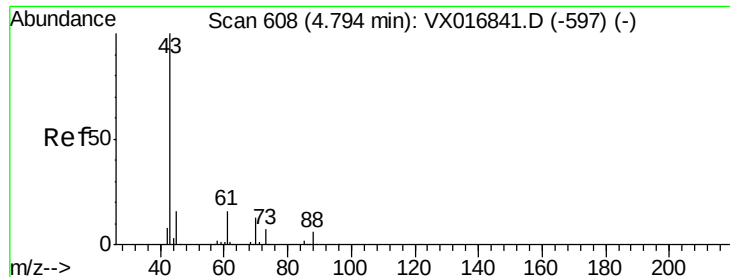
Delta R.T. 0.00 min

Lab File: VX016847.D

Acq: 18 Jun 2020 18:37

Tgt Ion:	75	Resp:	217697
Ion Ratio	Lower	Upper	
75	100		
110	36.7	18.9	56.9
77	31.2	25.6	38.4





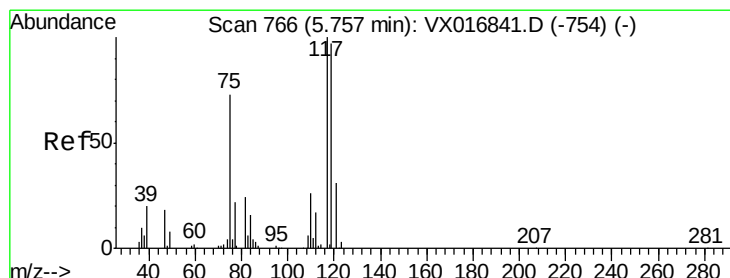
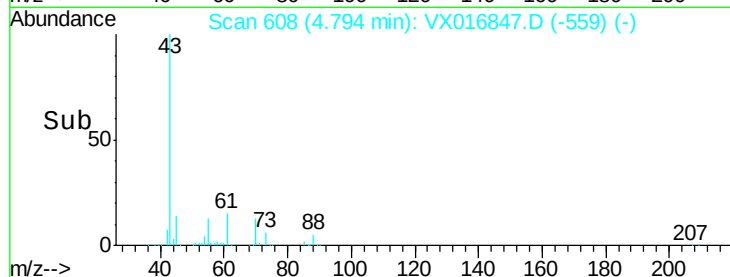
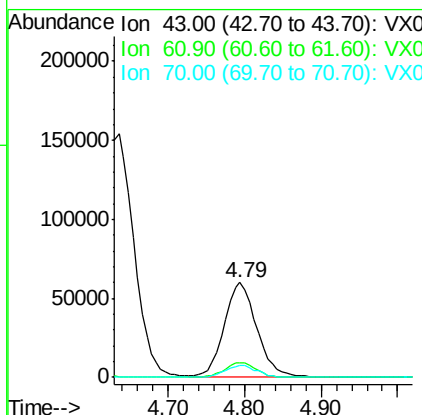
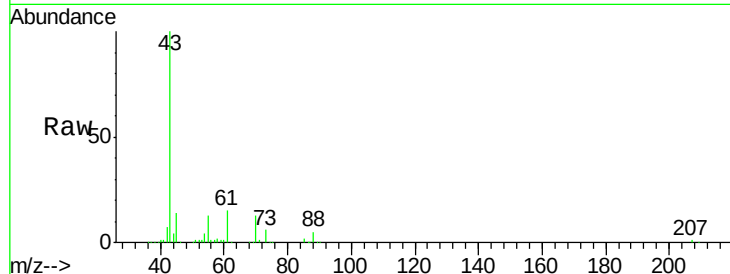
#37
Ethyl Acetate
Concen: 47.200 ug/l
RT: 4.79 min Scan# 608
Delta R.T. 0.00 min
Lab File: VX016847.D
Acq: 18 Jun 2020 18:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.6	12.2	18.2
70	12.7	10.5	15.7

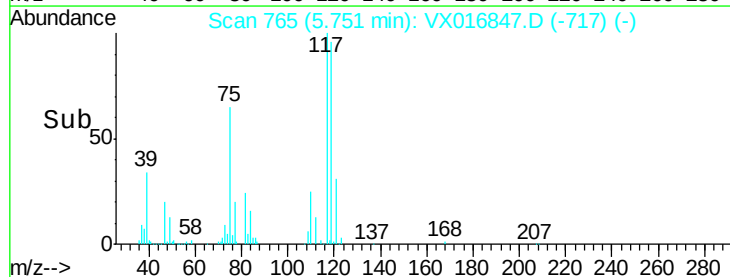
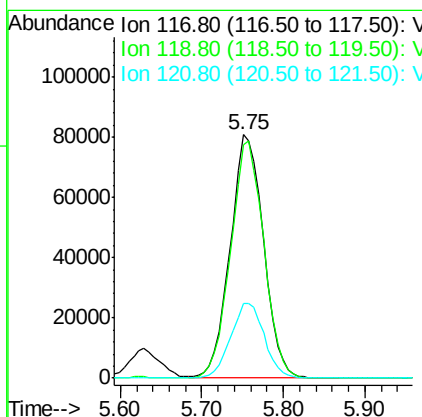
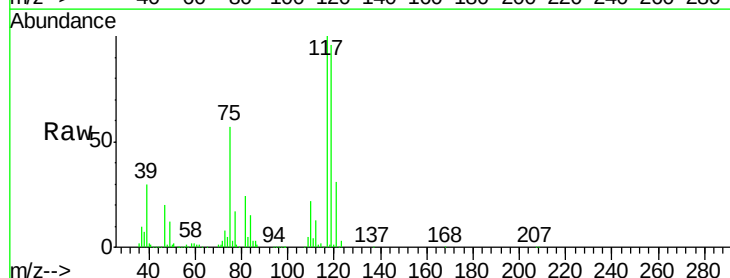
Manual Integrations
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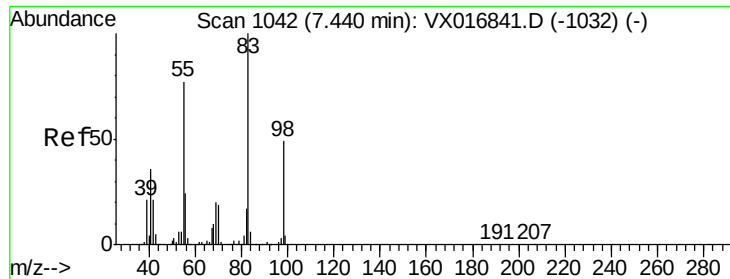
MMDadoda
6/19/2020 12:50:15 PM



#38
Carbon Tetrachloride
Concen: 48.477 ug/l
RT: 5.75 min Scan# 765
Delta R.T. -0.01 min
Lab File: VX016847.D
Acq: 18 Jun 2020 18:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	77.4	116.2
121	30.8	24.7	37.1





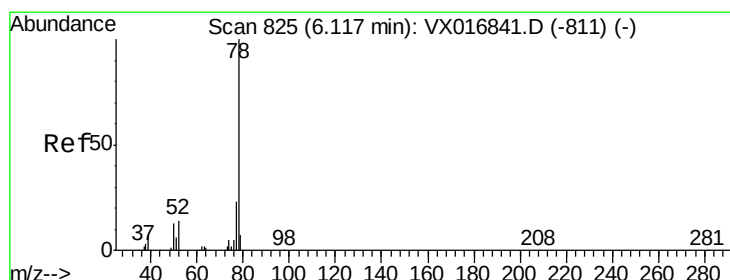
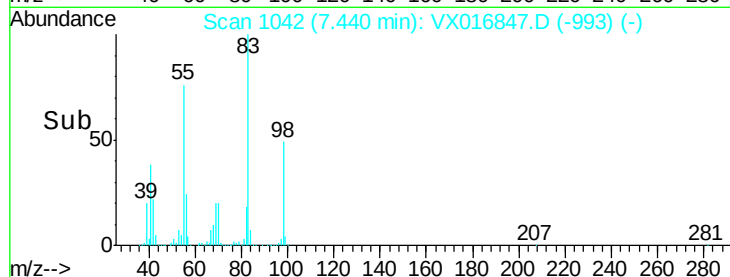
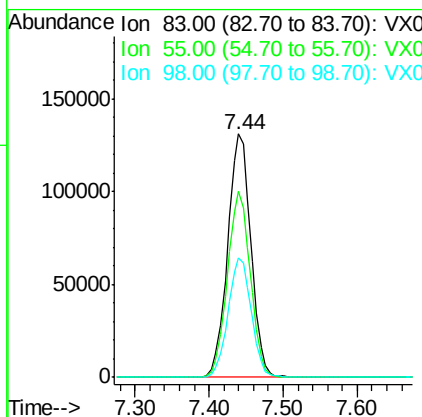
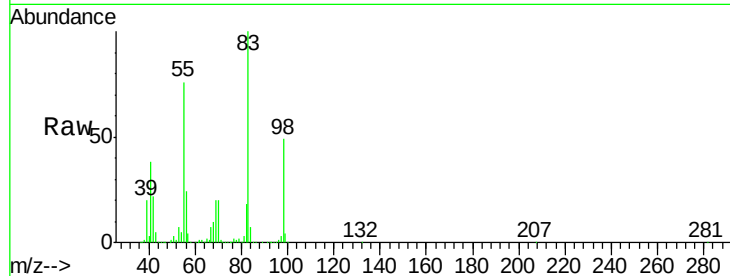
#39
Methylvlcyclohexane
Concen: 58.477 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VX016847.D
Acq: 18 Jun 2020 18:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	285789
Ion Ratio	Lower	Upper	
83	100		
55	76.2	61.7	92.5
98	48.9	39.0	58.6

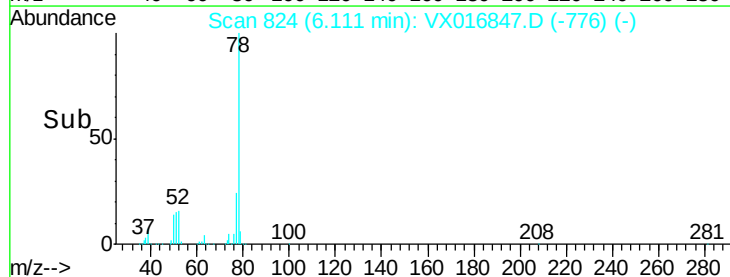
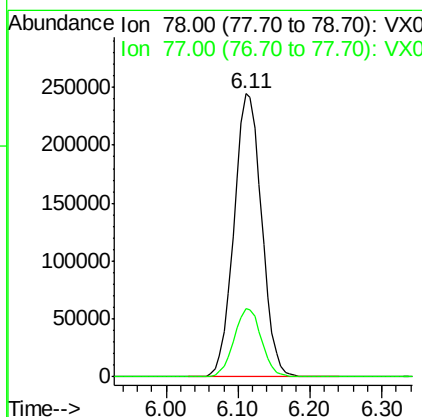
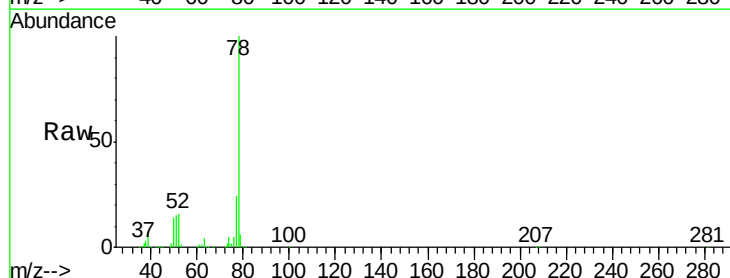
Manual Integrations
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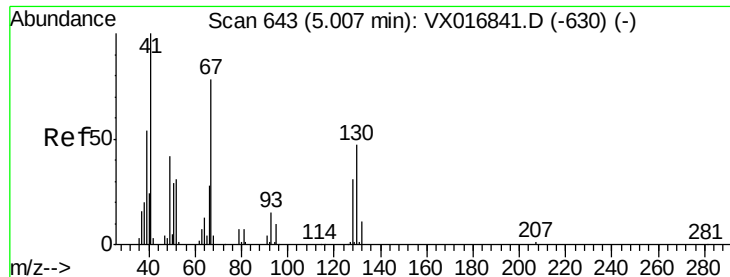
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#40
Benzene
Concen: 51.671 ug/l
RT: 6.11 min Scan# 824
Delta R.T. -0.01 min
Lab File: VX016847.D
Acq: 18 Jun 2020 18:37

Tgt Ion	78	Resp	651671
Ion Ratio	Lower	Upper	
78	100		
77	24.2	18.6	27.8





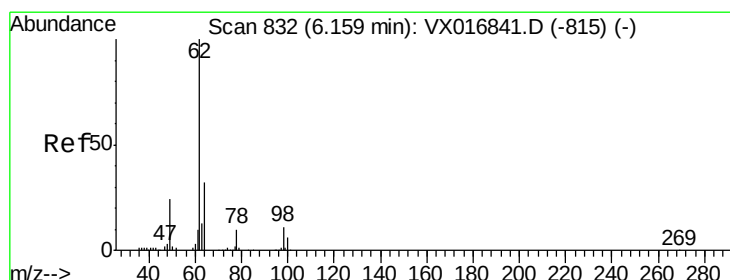
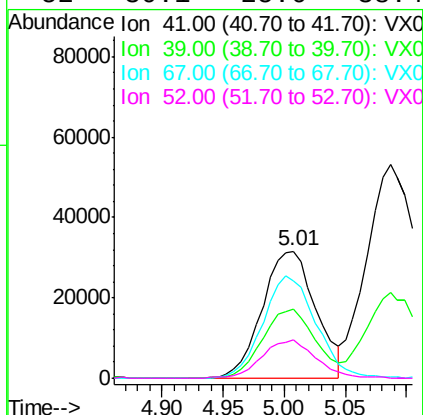
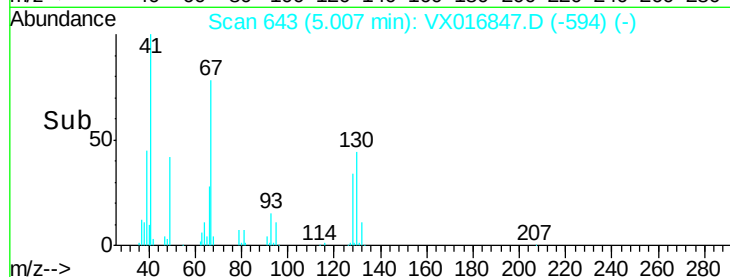
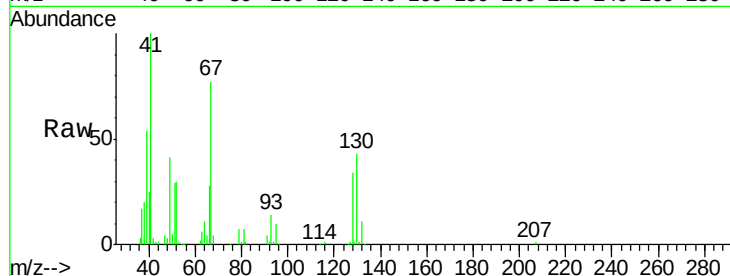
#41
Methacrylonitrile
Concen: 47.814 ug/l
RT: 5.01 min Scan# 643
Delta R.T. 0.00 min
Lab File: VX016847.D
Acq: 18 Jun 2020 18:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.5	42.6	64.0	
67	80.2	64.2	96.2	
52	30.1	25.6	38.4	

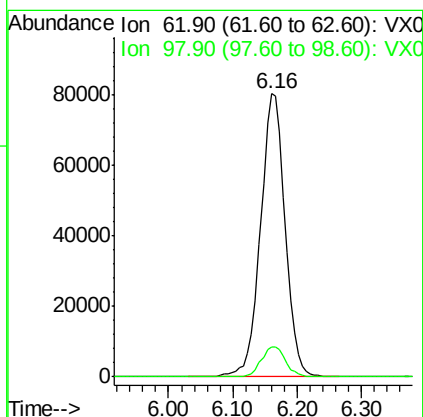
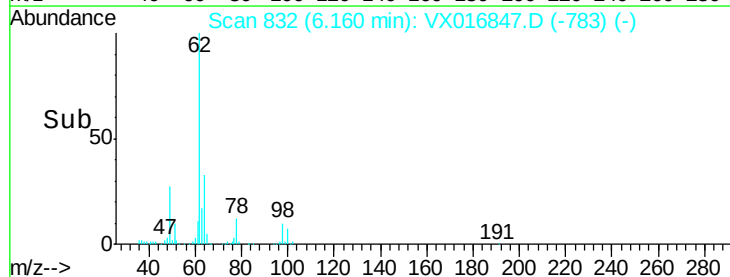
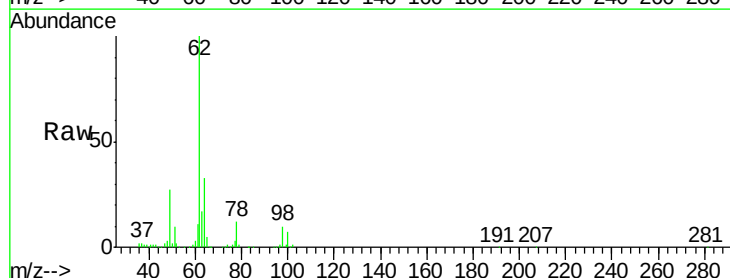
Manual Integrations
APPROVED

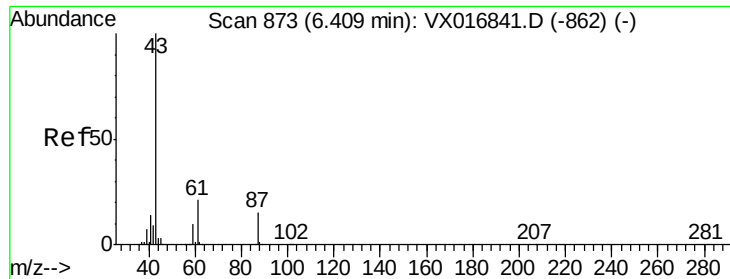
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#42
1,2-Dichloroethane
Concen: 47.409 ug/l
RT: 6.16 min Scan# 832
Delta R.T. 0.00 min
Lab File: VX016847.D
Acq: 18 Jun 2020 18:37

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.4	0.0	20.8	





#43

Isopropyl Acetate

Concen: 51.443 ug/l

RT: 6.41 min Scan# 873

Delta R.T. 0.00 min

Lab File: VX016847.D

Acq: 18 Jun 2020 18:37

Instrument :

MSVOA_X

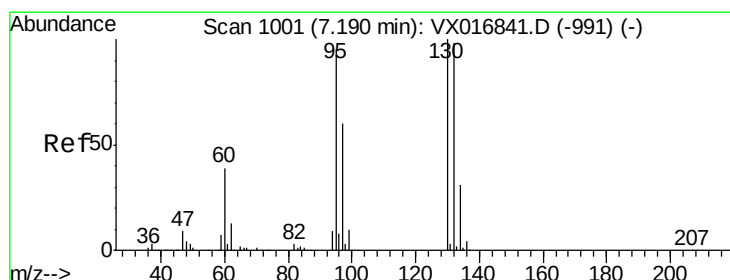
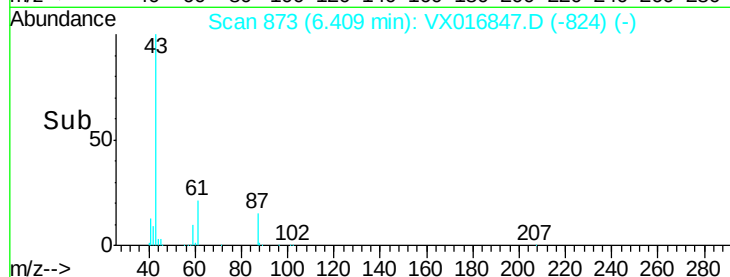
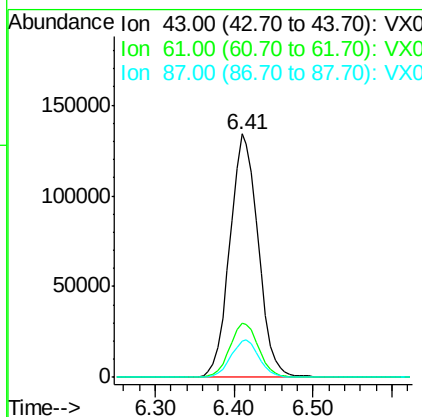
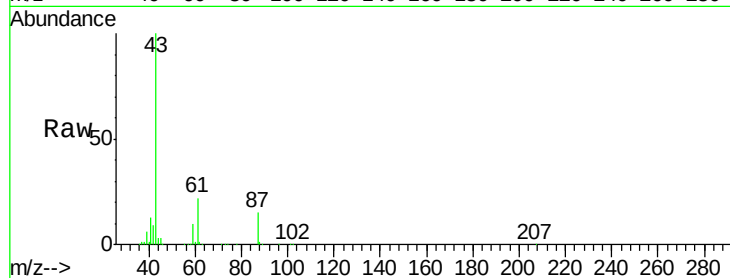
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	333624
Ion	Ratio	Lower	Upper
43	100		
61	22.6	17.9	26.9
87	15.3	12.4	18.6

Manual Integrations
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#44

Trichloroethene

Concen: 52.464 ug/l

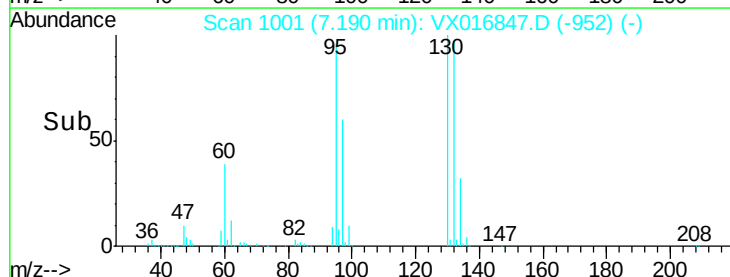
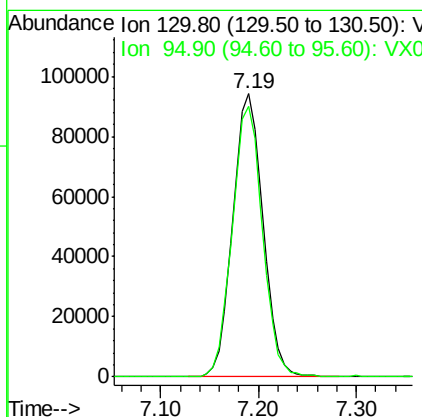
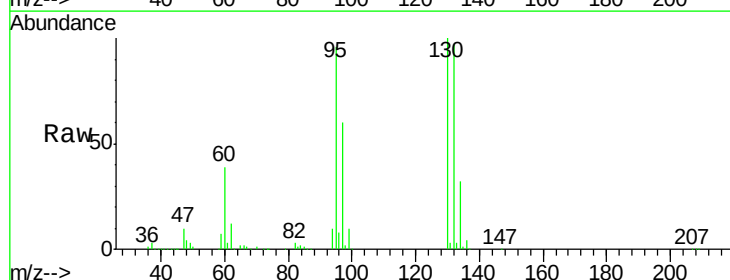
RT: 7.19 min Scan# 1001

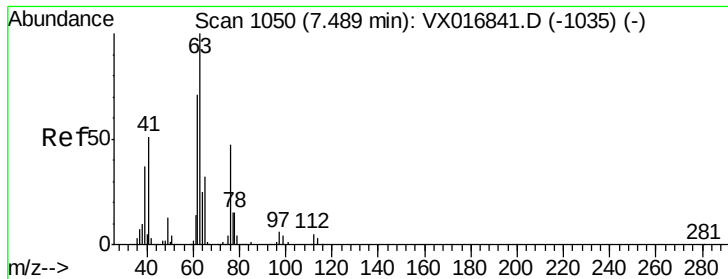
Delta R.T. 0.00 min

Lab File: VX016847.D

Acq: 18 Jun 2020 18:37

Tgt Ion:	130	Resp:	202643
Ion	Ratio	Lower	Upper
130	100		
95	95.6	0.0	190.8





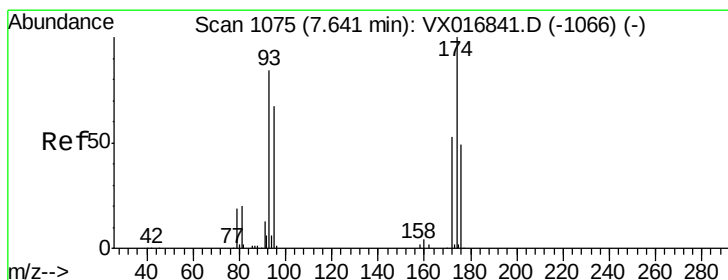
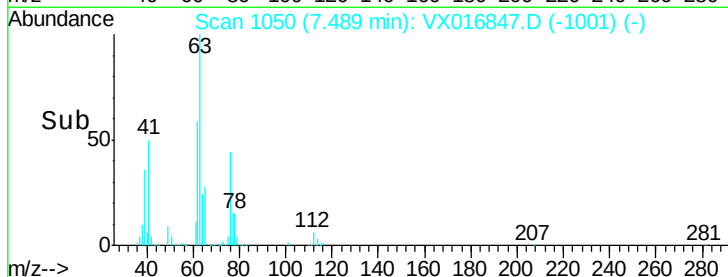
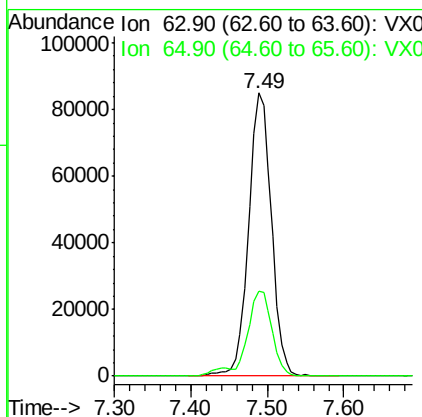
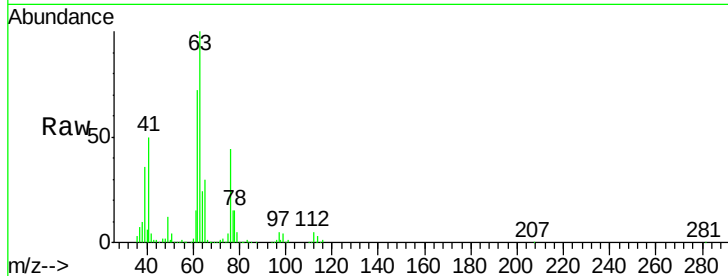
#45
 1,2-Dichloropropane
 Concen: 55.787 ug/l
 RT: 7.49 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VX016847.D
 Acq: 18 Jun 2020 18:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.1	25.8	38.8

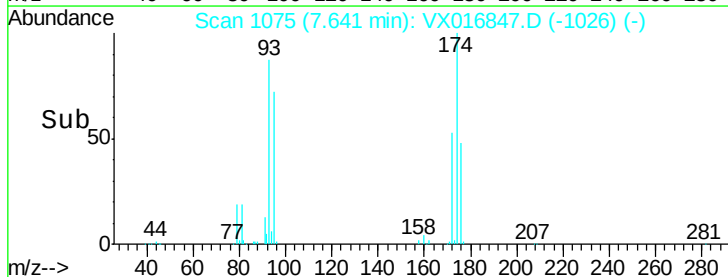
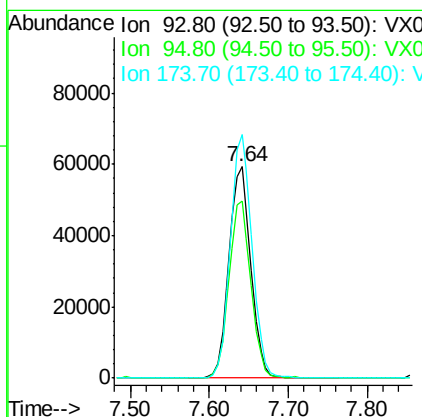
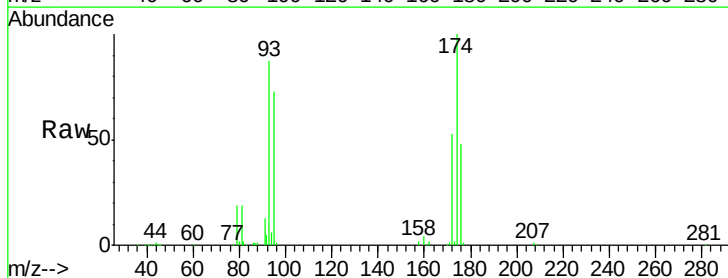
Manual Integrations
 APPROVED

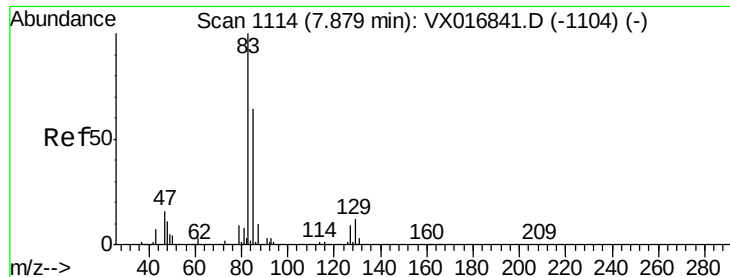
MMDadoda
 6/19/2020 12:50:15 PM



#46
 Dibromomethane
 Concen: 53.349 ug/l
 RT: 7.64 min Scan# 1075
 Delta R.T. 0.00 min
 Lab File: VX016847.D
 Acq: 18 Jun 2020 18:37

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.6	65.7	98.5
174	114.2	92.8	139.2





#47

Bromodichloromethane

Concen: 50.210 ug/l

RT: 7.87 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VX016847.D

Acq: 18 Jun 2020 18:37

Instrument :

MSVOA_X

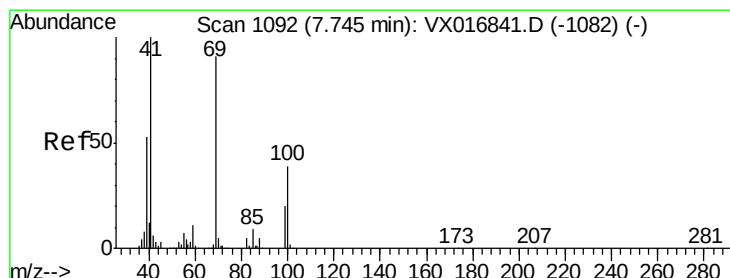
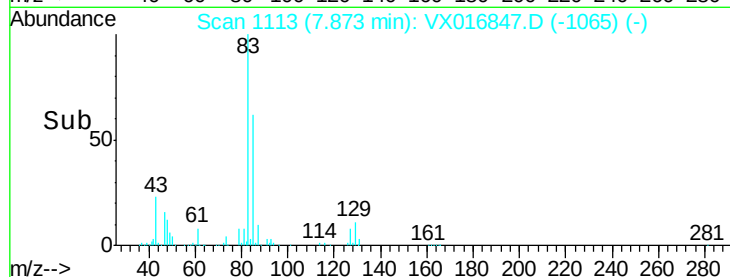
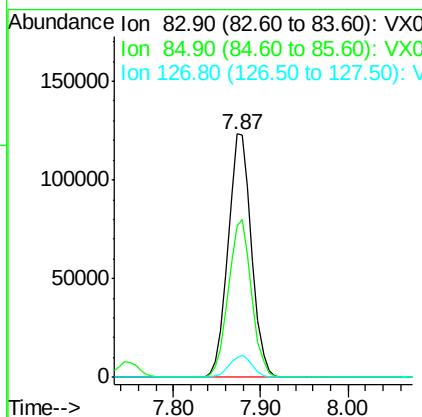
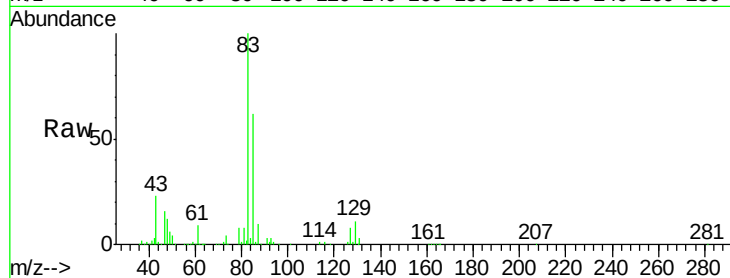
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	229606
Ion Ratio	Lower	Upper	
83	100		
85	62.1	50.9	76.3
127	8.2	7.4	11.0

Manual Integrations
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MMDadoda
6/19/2020 12:50:15 PM



#48

Methyl methacrylate

Concen: 58.222 ug/l

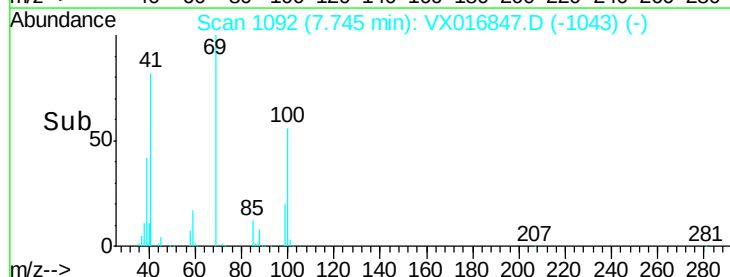
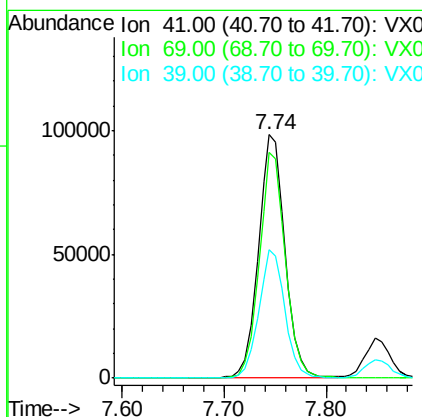
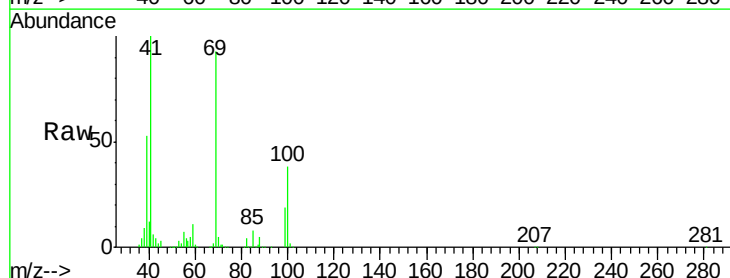
RT: 7.74 min Scan# 1092

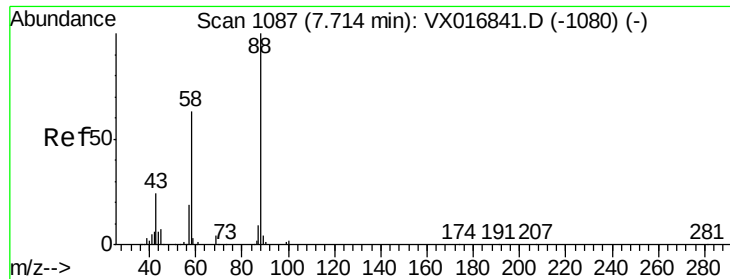
Delta R.T. 0.00 min

Lab File: VX016847.D

Acq: 18 Jun 2020 18:37

Tgt Ion:	41	Resp:	177801
Ion Ratio	Lower	Upper	
41	100		
69	90.9	73.3	109.9
39	51.6	42.4	63.6





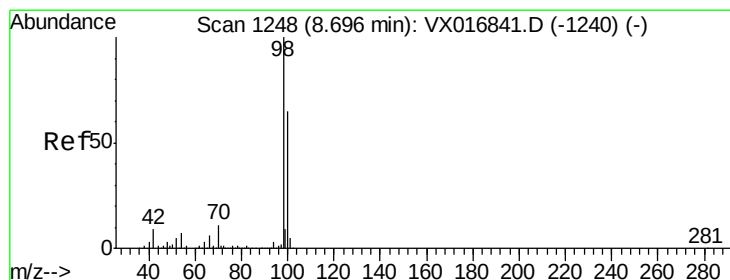
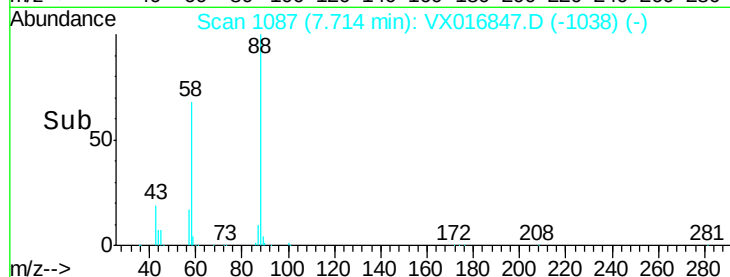
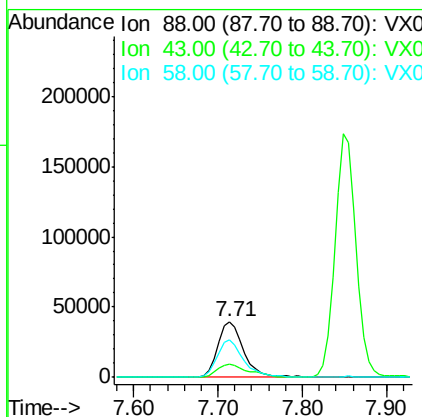
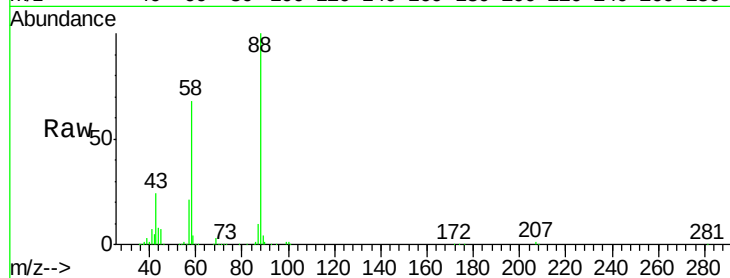
#49
1,4-Dioxane
Concen: 1233.717 ug/l
RT: 7.71 min Scan# 1087
Delta R.T. 0.00 min
Lab File: VX016847.D
Acq: 18 Jun 2020 18:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.2	22.7	34.1
58	69.4	53.1	79.7

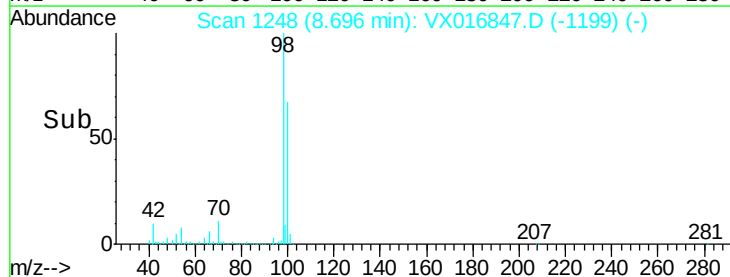
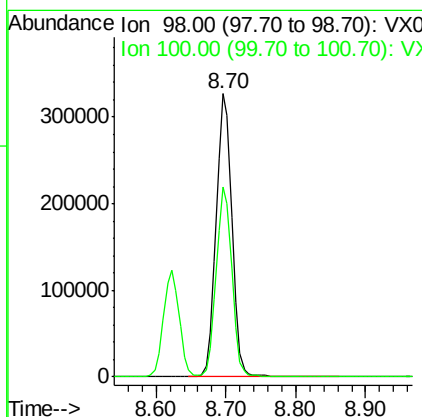
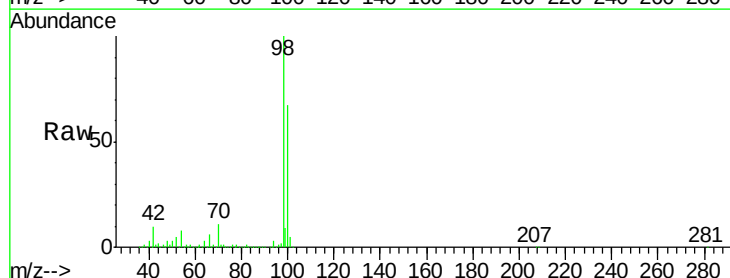
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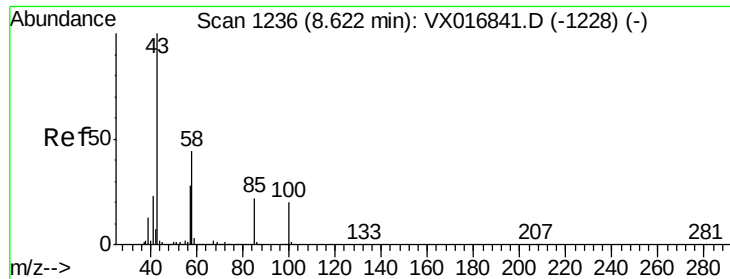
MMDadoda
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#50
Toluene-d8
Concen: 44.079 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX016847.D
Acq: 18 Jun 2020 18:37

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.0	54.0	81.0





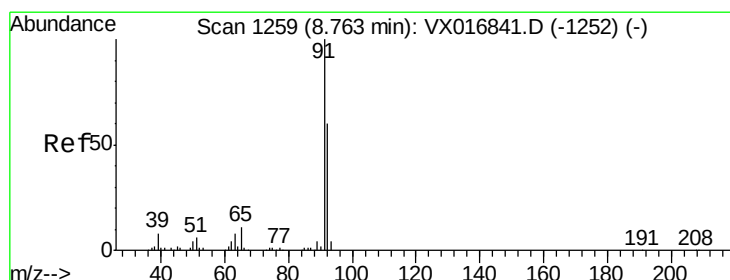
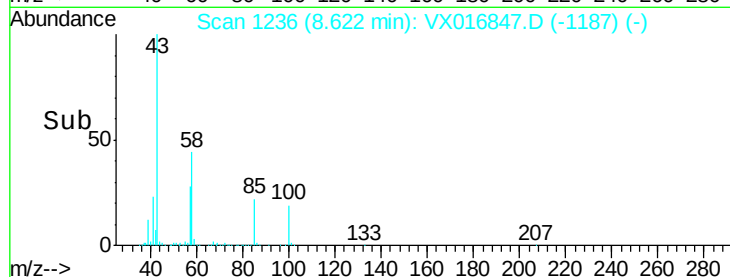
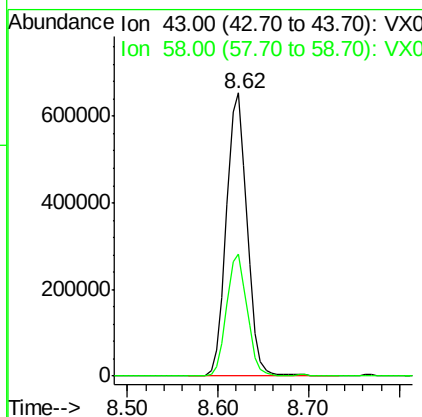
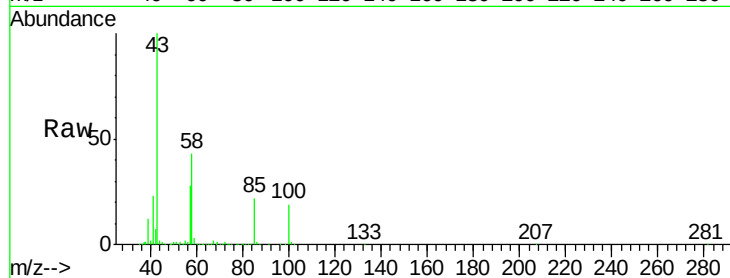
#51
 4-Methyl-2-Pentanone
 Concen: 266.389 ug/l
 RT: 8.62 min Scan# 1236
 Delta R.T. 0.00 min
 Lab File: VX016847.D
 Acq: 18 Jun 2020 18:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 1039089
 Ion Ratio Lower Upper
 43 100
 58 42.7 34.3 51.5

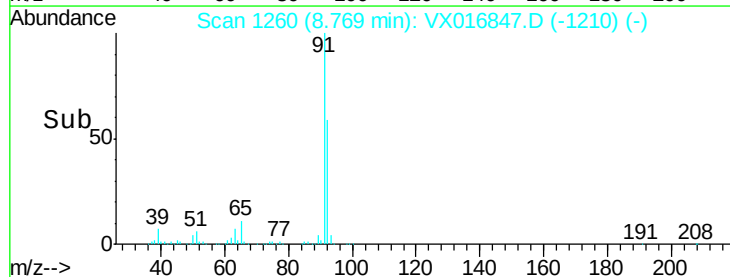
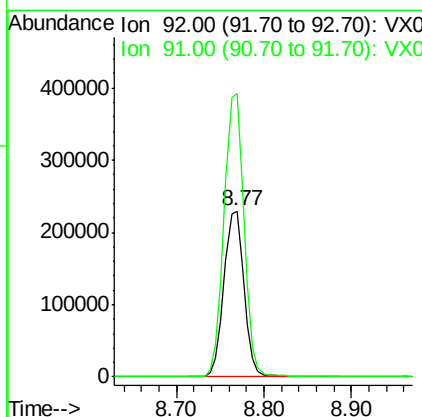
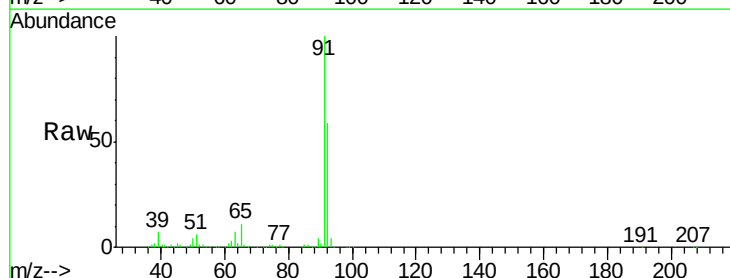
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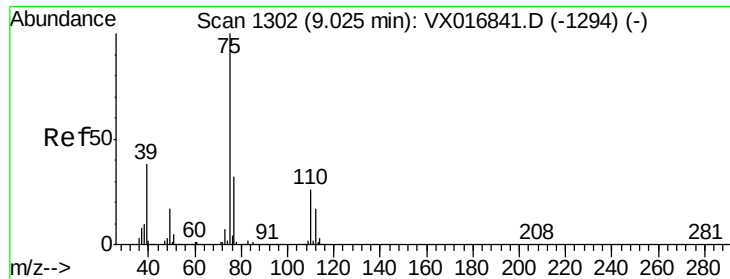
MMDadoda
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#52
 Toluene
 Concen: 43.794 ug/l
 RT: 8.77 min Scan# 1260
 Delta R.T. 0.01 min
 Lab File: VX016847.D
 Acq: 18 Jun 2020 18:37

Tgt Ion: 92 Resp: 366409
 Ion Ratio Lower Upper
 92 100
 91 170.3 134.2 201.2





#53

t-1,3-Dichloropropene

Concen: 44.806 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VX016847.D

Acq: 18 Jun 2020 18:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 225254

Ion Ratio Lower Upper

75 100

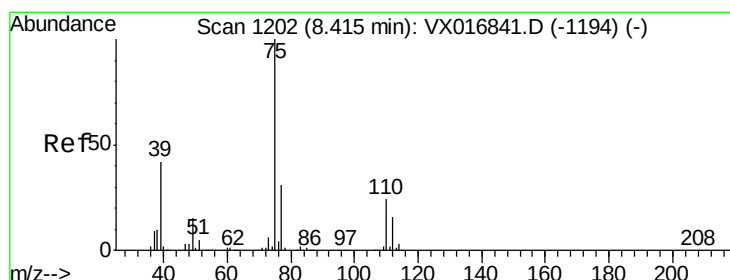
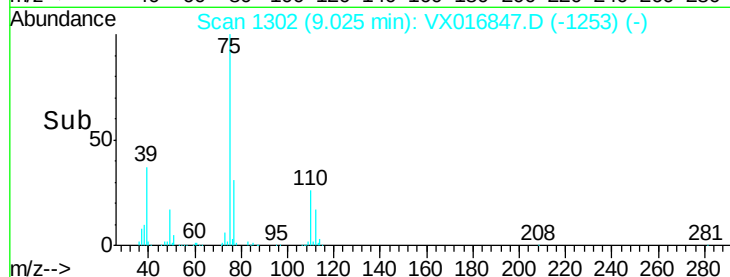
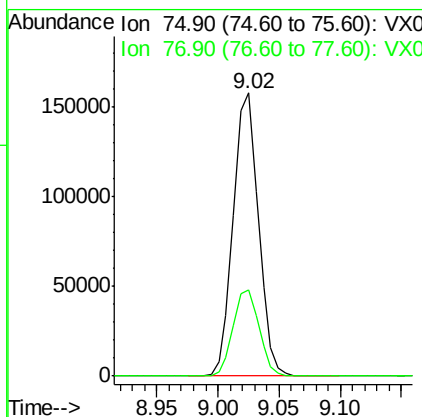
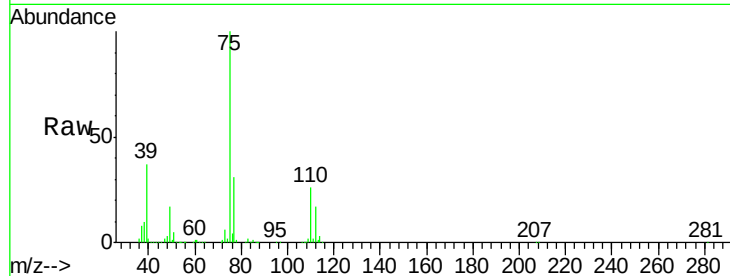
77 30.6 25.3 37.9

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 48.245 ug/l

RT: 8.42 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VX016847.D

Acq: 18 Jun 2020 18:37

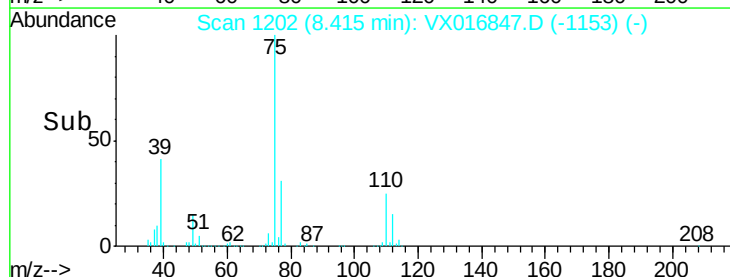
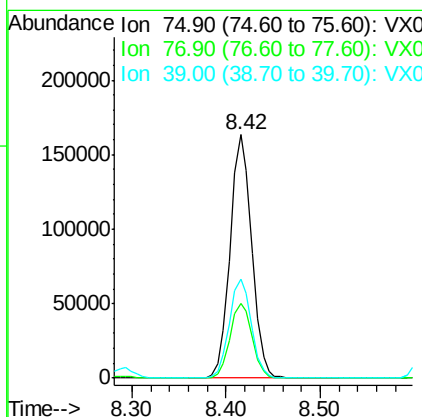
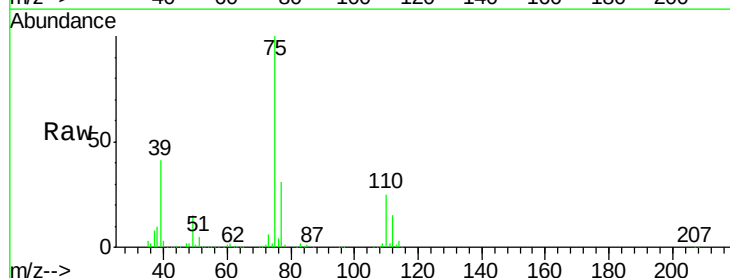
Tgt Ion: 75 Resp: 259470

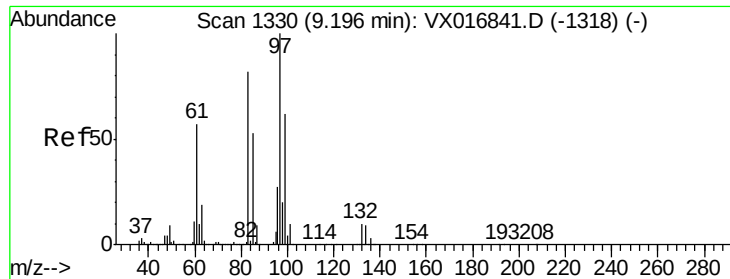
Ion Ratio Lower Upper

75 100

77 30.9 24.9 37.3

39 40.6 33.4 50.0





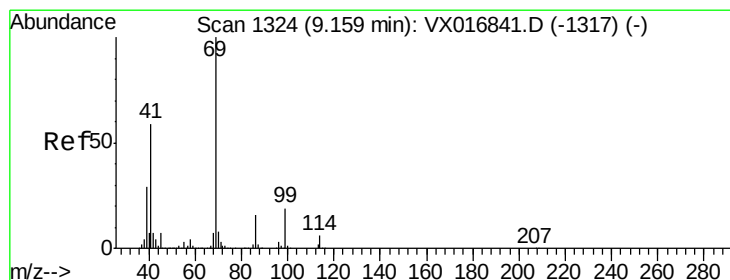
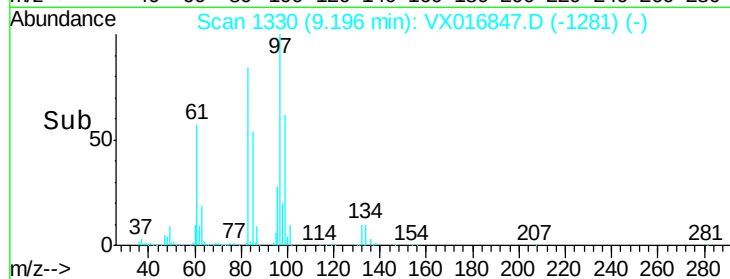
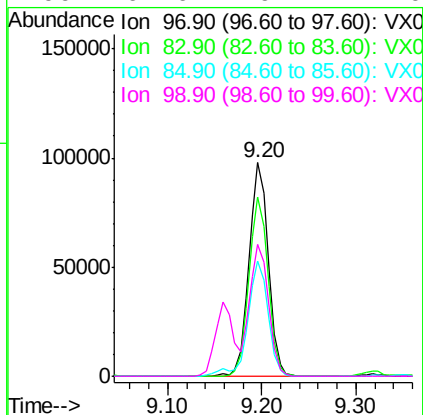
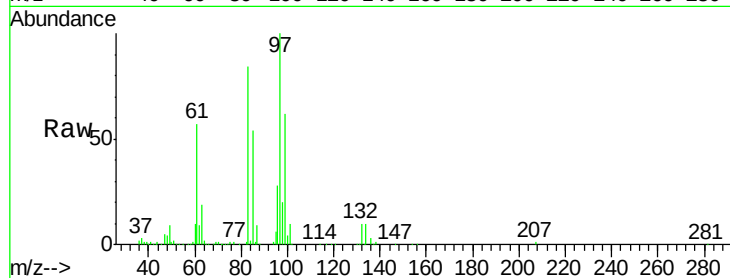
#55
 1,1,2-Trichloroethane
 Concen: 44.532 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VX016847.D
 Acq: 18 Jun 2020 18:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	140674
Ion Ratio	Lower	Upper	
97	100		
83	83.9	65.5	98.3
85	53.8	42.6	63.8
99	61.6	49.4	74.0

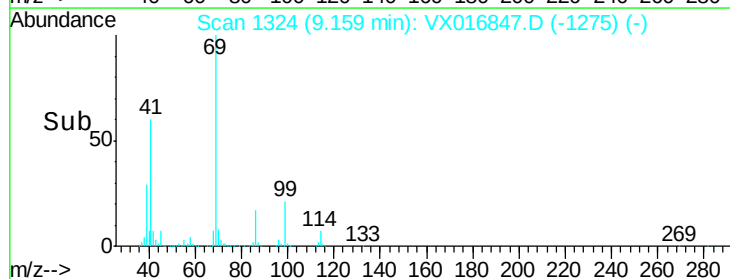
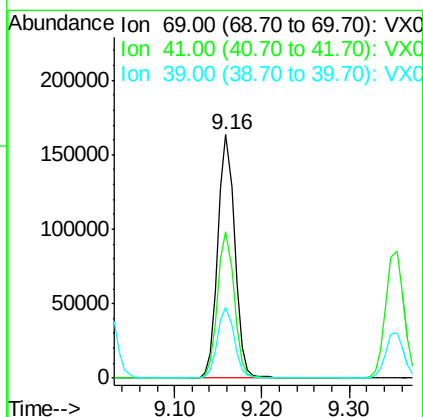
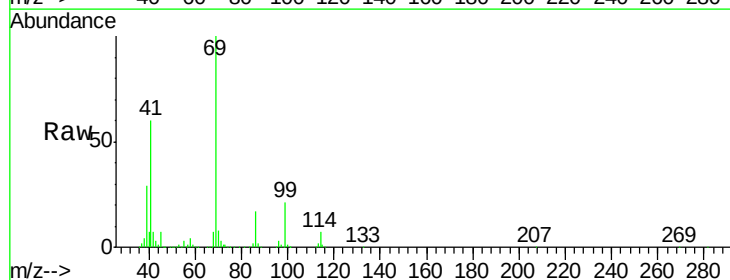
Manual Integrations
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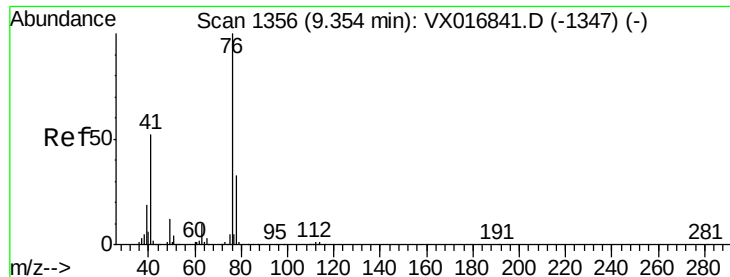
MMDadoda
 6/19/2020 12:50:15 PM



#56
 Ethyl methacrylate
 Concen: 47.637 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VX016847.D
 Acq: 18 Jun 2020 18:37

Tgt Ion:	69	Resp:	217846
Ion Ratio	Lower	Upper	
69	100		
41	59.5	47.9	71.9
39	29.0	24.2	36.4





#57

1,3-Dichloropropane

Concen: 43.953 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. 0.00 min

Lab File: VX016847.D

Acq: 18 Jun 2020 18:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 235377

Ion Ratio Lower Upper

76 100

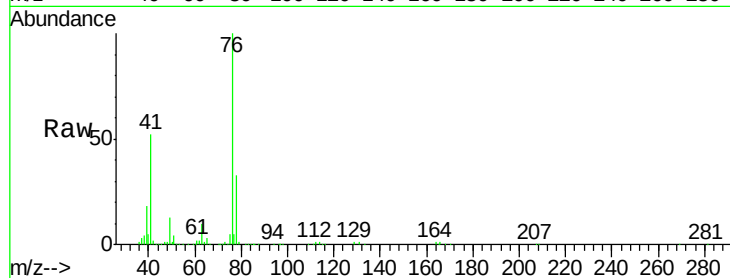
78 32.5 25.8 38.6

Manual Integrations

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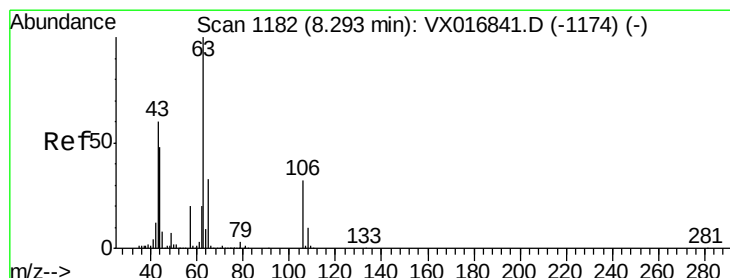
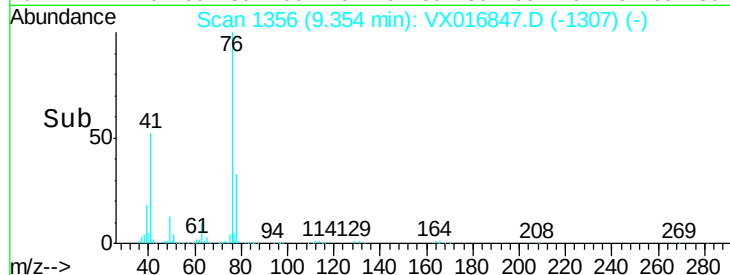
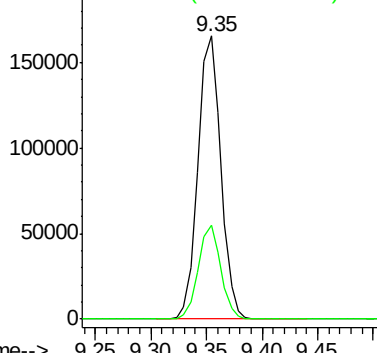
MMDadoda

6/19/2020 12:50:15 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 275.196 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VX016847.D

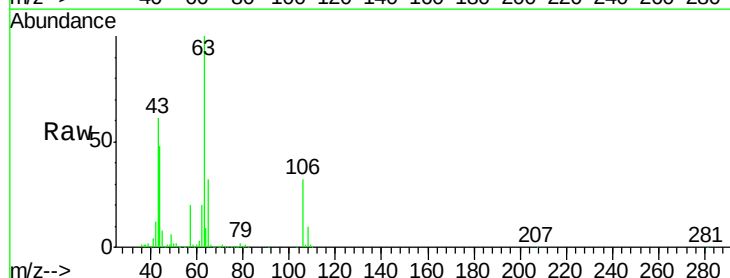
Acq: 18 Jun 2020 18:37

Tgt Ion: 63 Resp: 585580

Ion Ratio Lower Upper

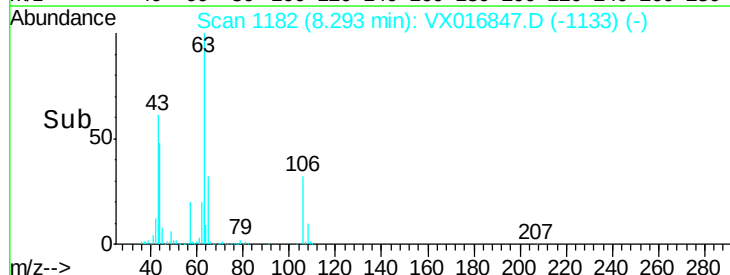
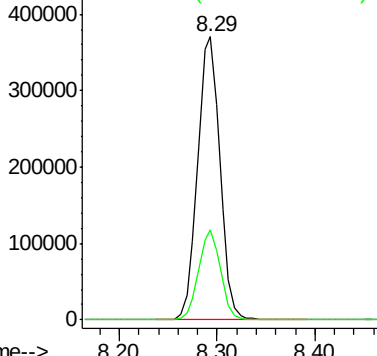
63 100

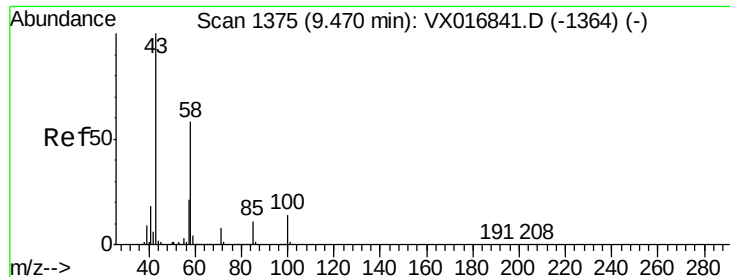
106 31.2 25.8 38.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





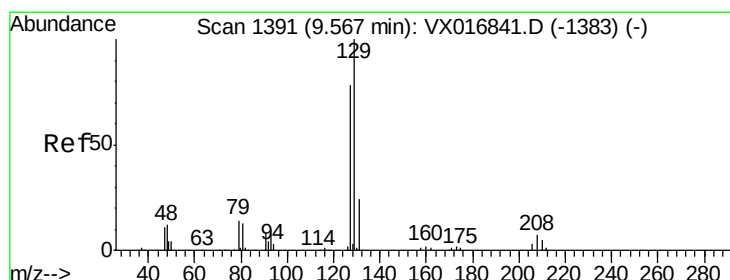
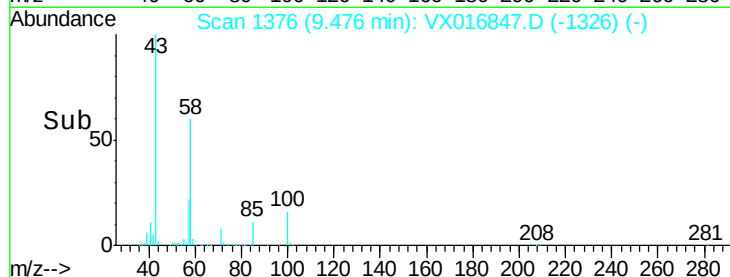
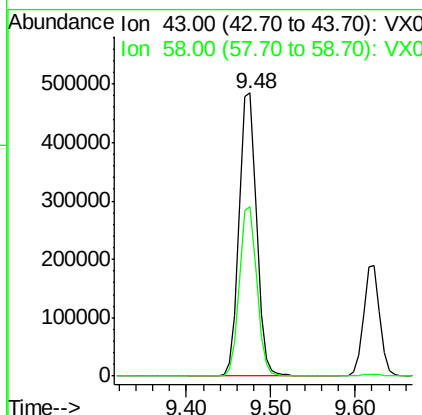
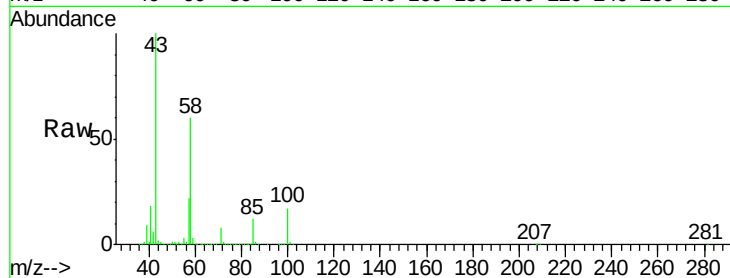
#59
2-Hexanone
Concen: 236.714 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. 0.01 min
Lab File: VX016847.D
Acq: 18 Jun 2020 18:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 668652
Ion Ratio Lower Upper
43 100
58 59.8 29.8 89.4

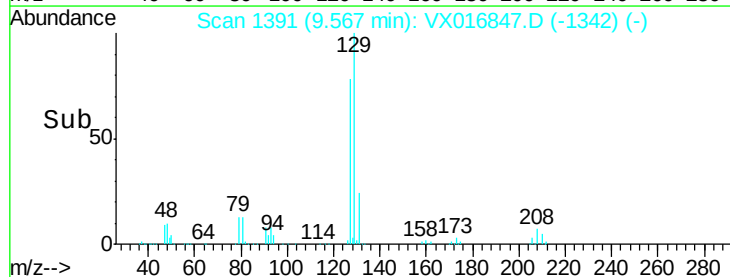
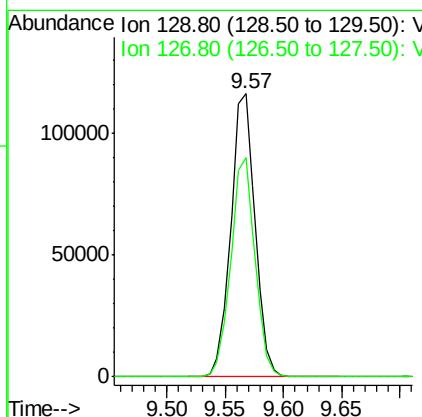
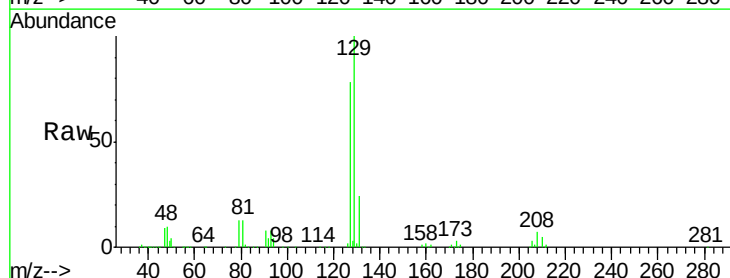
Manual Integrations
APPROVED

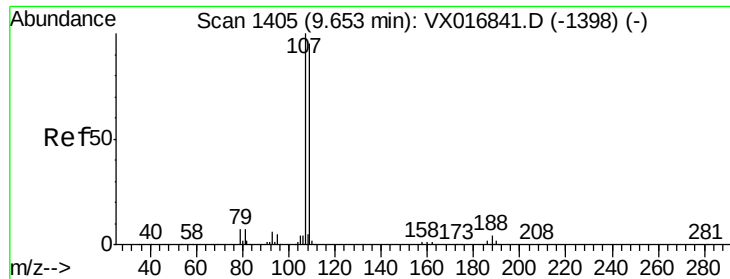
MMDadoda
6/19/2020 12:50:15 PM



#60
Dibromochloromethane
Concen: 44.544 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VX016847.D
Acq: 18 Jun 2020 18:37

Tgt Ion: 129 Resp: 168799
Ion Ratio Lower Upper
129 100
127 77.1 38.5 115.5





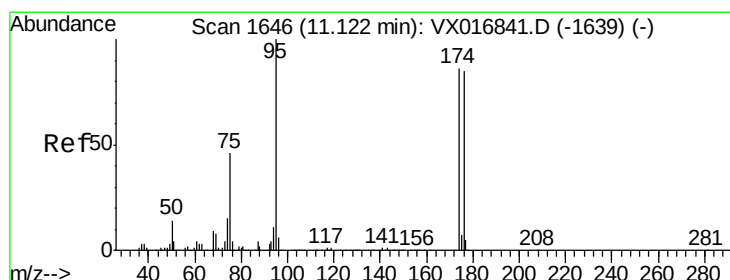
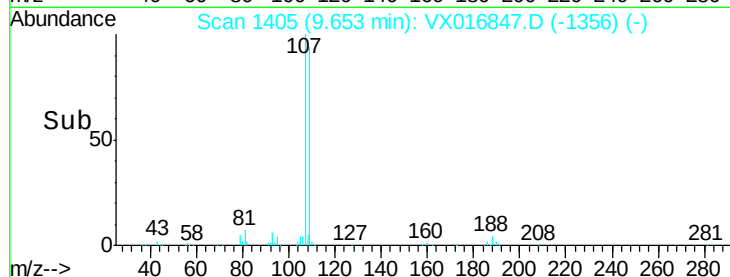
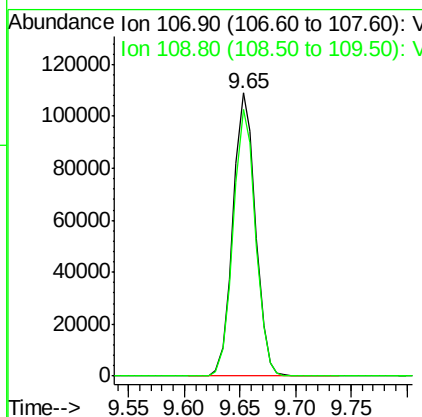
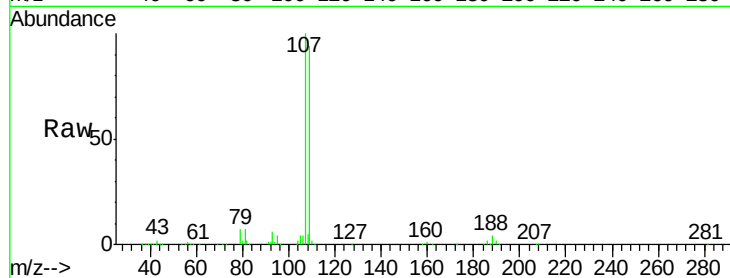
#61
 1,2-Dibromoethane
 Concen: 44.392 ug/l
 RT: 9.65 min Scan# 1405
 Delta R.T. 0.00 min
 Lab File: VX016847.D
 Acq: 18 Jun 2020 18:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.9	75.4	113.0

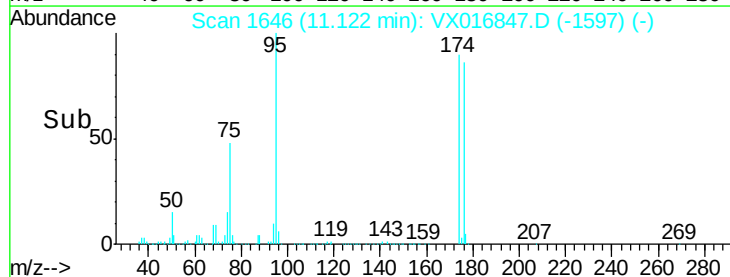
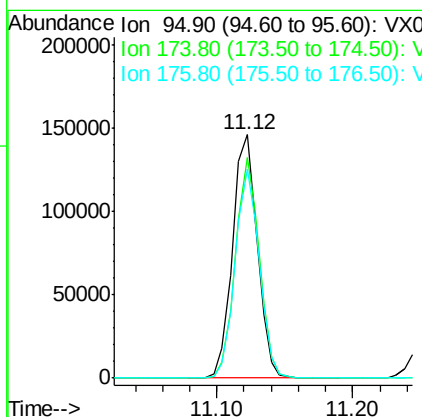
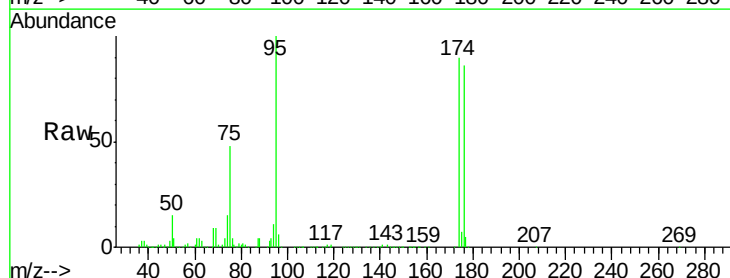
Manual Integrations
 APPROVED

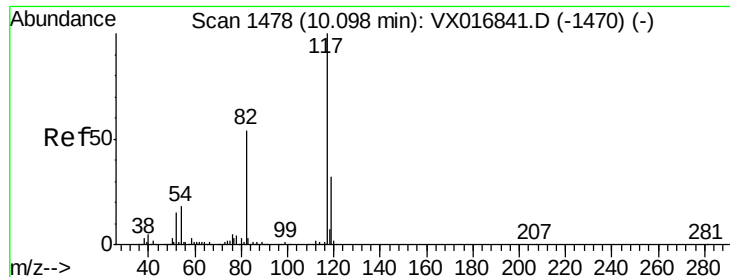
MMDadoda
 6/19/2020 12:50:15 PM



#62
 4-Bromofluorobenzene
 Concen: 41.367 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.00 min
 Lab File: VX016847.D
 Acq: 18 Jun 2020 18:37

Tgt Ion	Ratio	Lower	Upper
95	100		
174	87.3	0.0	174.2
176	83.9	0.0	170.0





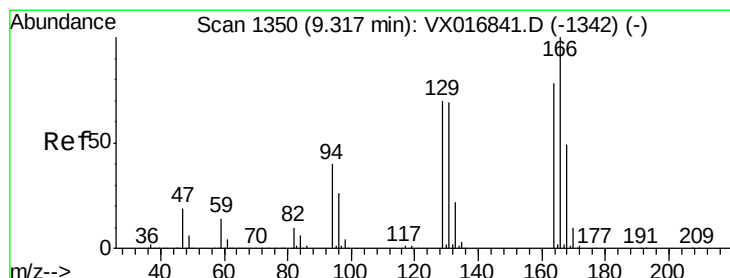
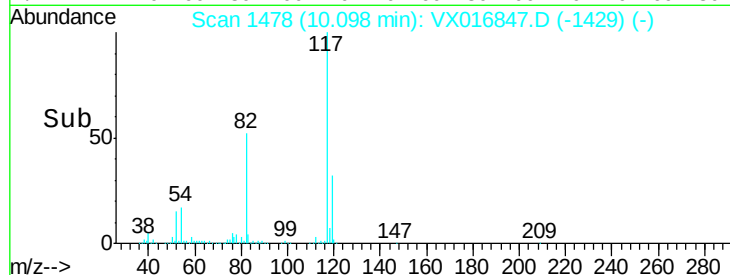
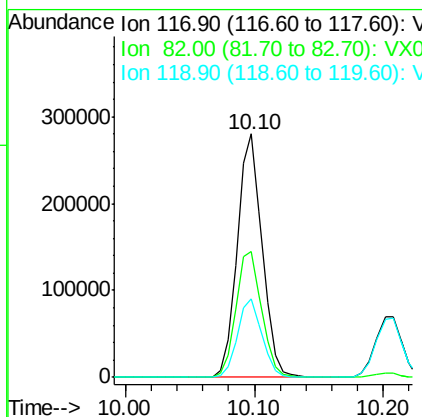
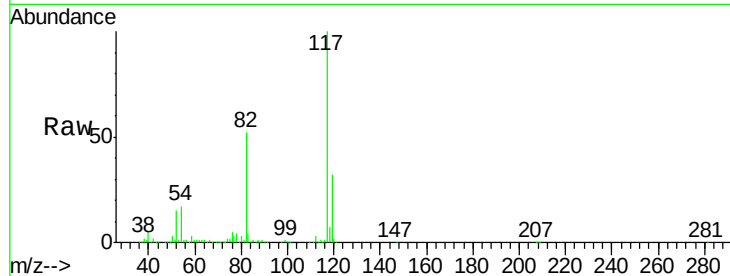
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX016847.D
Acq: 18 Jun 2020 18:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.9	43.4	65.0
119	32.3	25.7	38.5

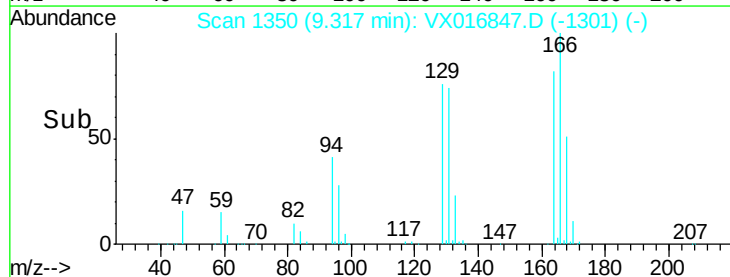
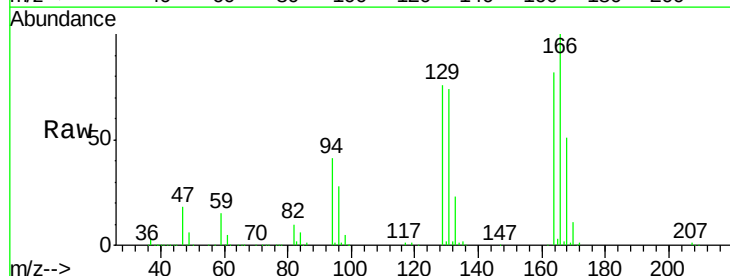
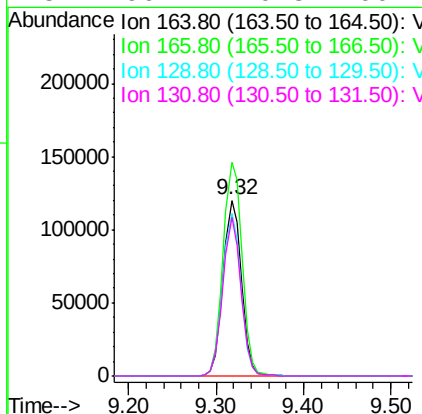
Manual Integrations
APPROVED

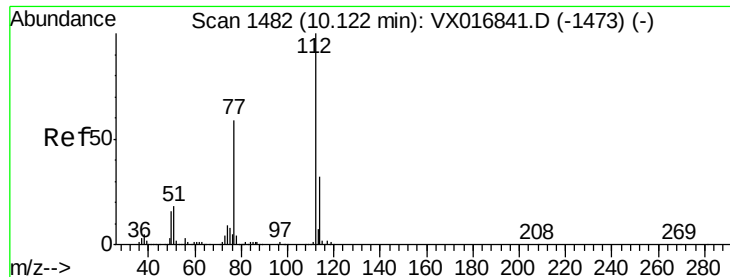
MMDadoda
6/19/2020 12:50:15 PM



#64
Tetrachloroethene
Concen: 50.567 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VX016847.D
Acq: 18 Jun 2020 18:37

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.8	102.6	153.8
129	92.6	72.2	108.2
131	90.2	70.8	106.2





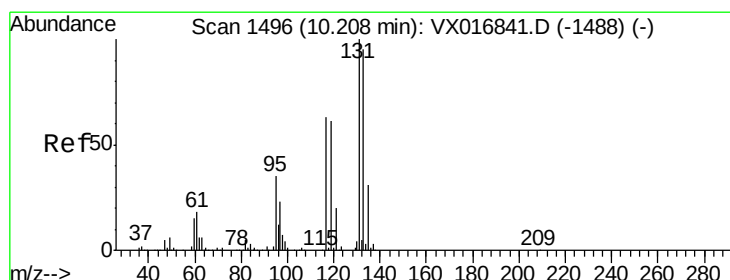
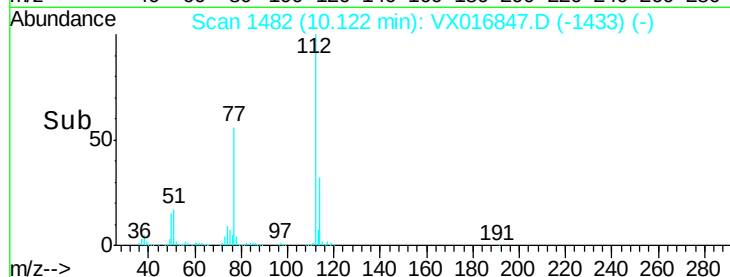
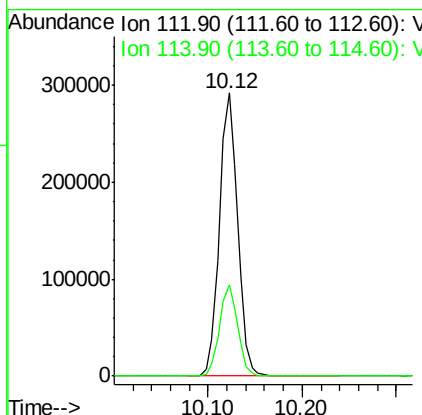
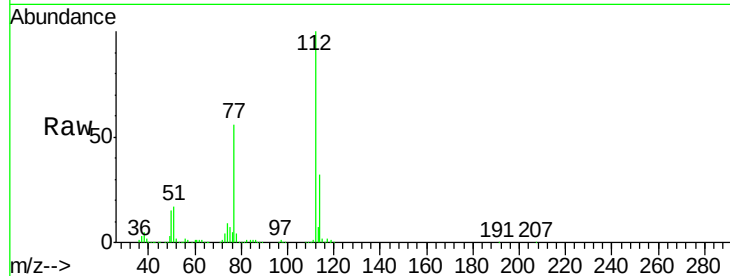
#65
Chlorobenzene
Concen: 51.864 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. 0.00 min
Lab File: VX016847.D
Acq: 18 Jun 2020 18:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.5	38.3

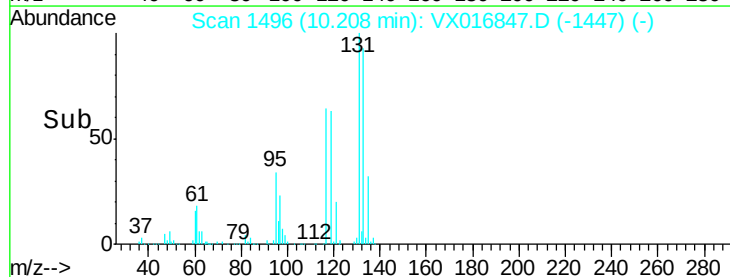
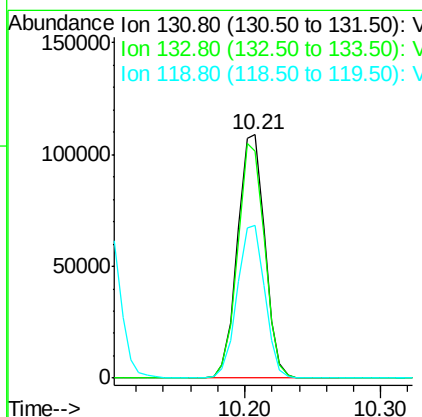
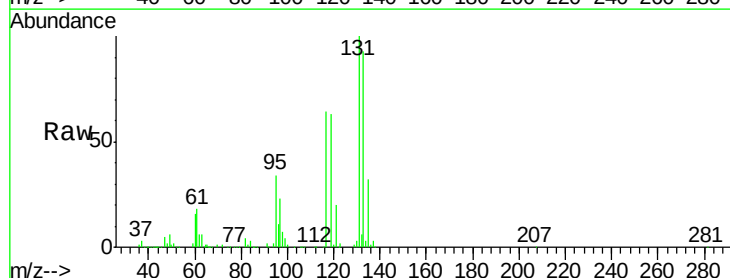
Manual Integrations
APPROVED

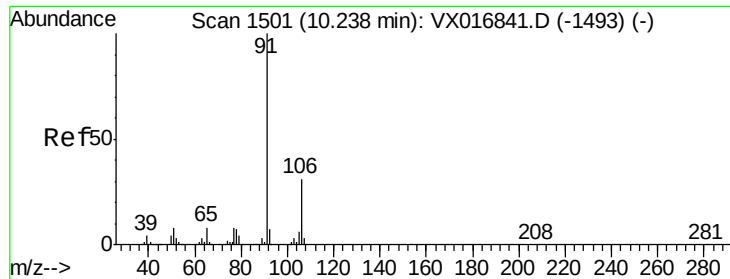
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.946 ug/l
RT: 10.21 min Scan# 1496
Delta R.T. 0.00 min
Lab File: VX016847.D
Acq: 18 Jun 2020 18:37

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.1	47.7	143.1
119	63.5	30.8	92.4





#67

Ethyl Benzene

Concen: 53.259 ug/l

RT: 10.24 min Scan# 1501

Delta R.T. 0.00 min

Lab File: VX016847.D

Acq: 18 Jun 2020 18:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 680379

Ion Ratio Lower Upper

91 100

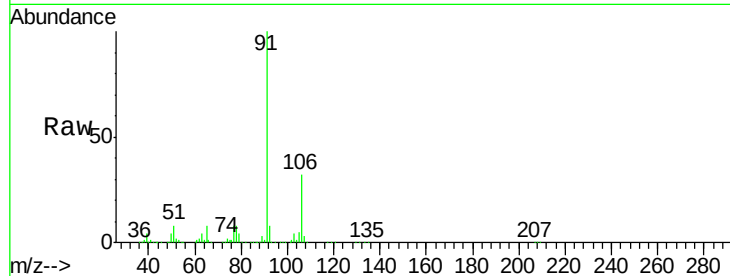
106 31.6 25.1 37.7

Manual Integrations

APPROVED

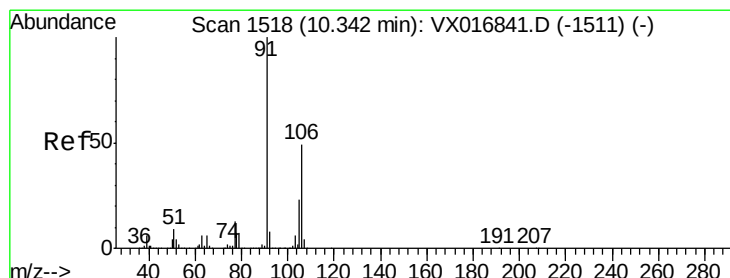
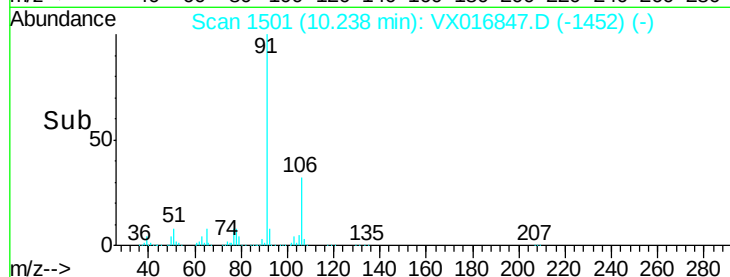
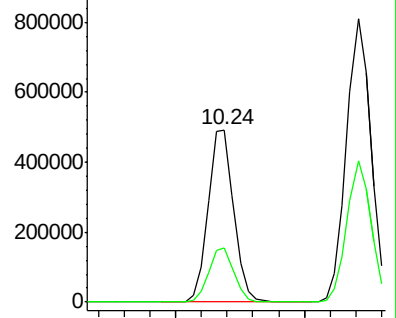
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 106.269 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX016847.D

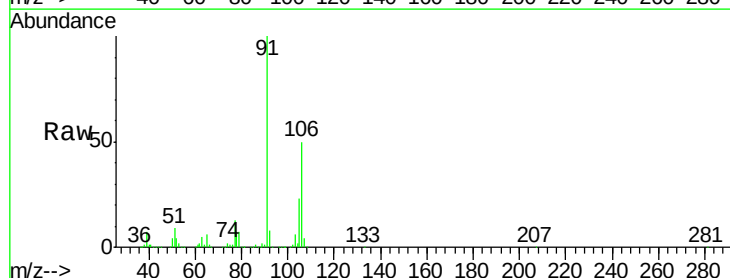
Acq: 18 Jun 2020 18:37

Tgt Ion: 106 Resp: 528279

Ion Ratio Lower Upper

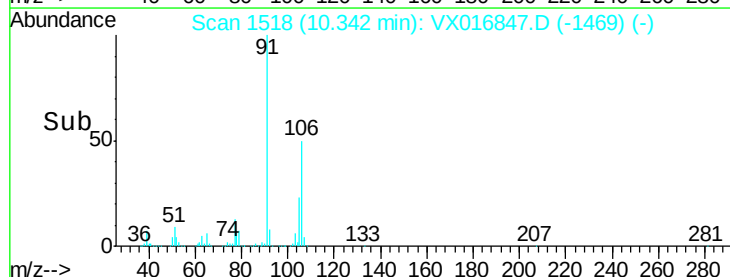
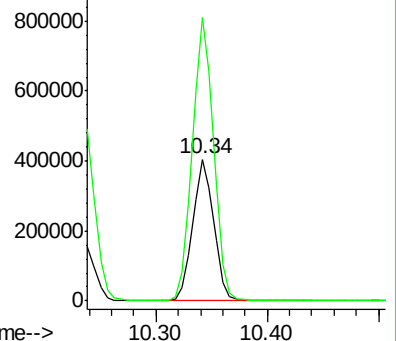
106 100

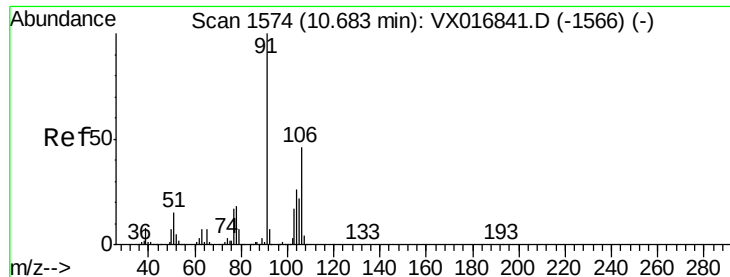
91 201.6 161.5 242.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





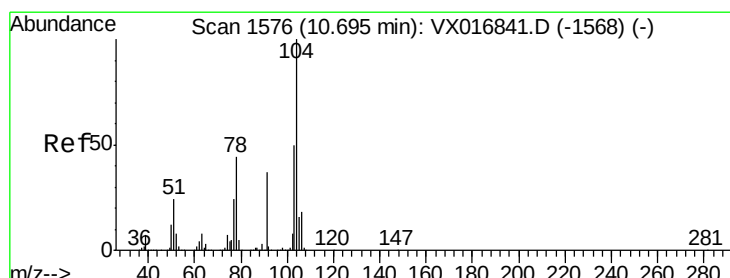
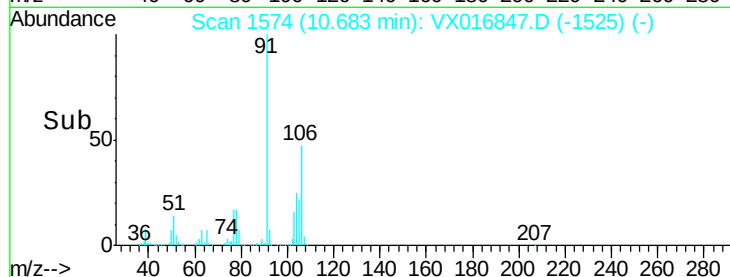
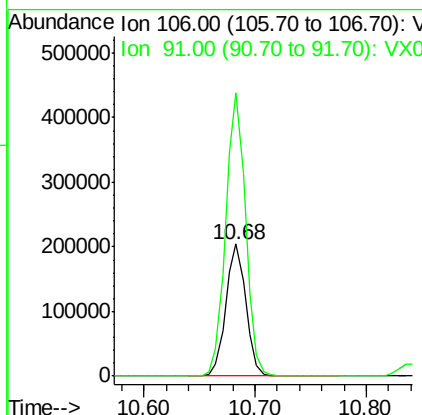
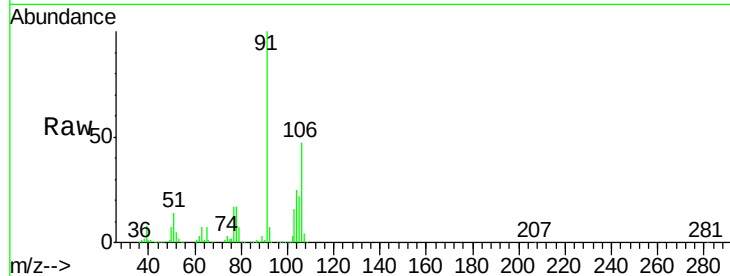
#69
o-Xylene
Concen: 54.850 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX016847.D
Acq: 18 Jun 2020 18:37

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		252121		
91	214.2	107.9	323.7		

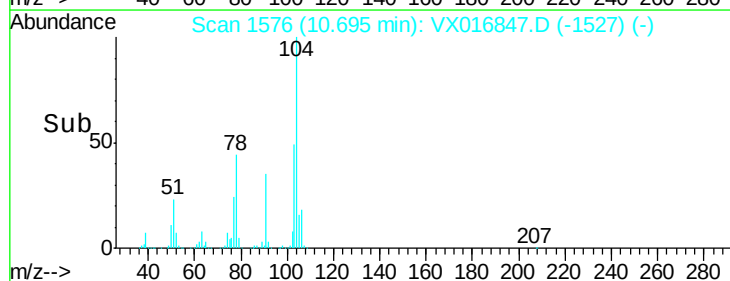
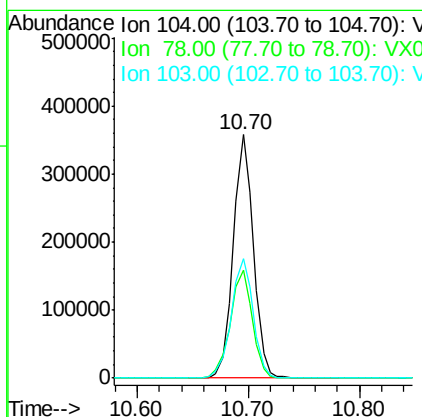
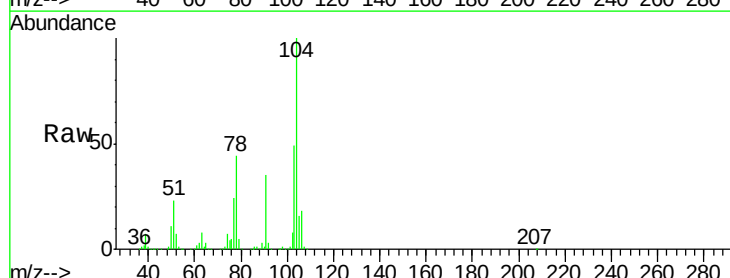
Manual Integrations
APPROVED

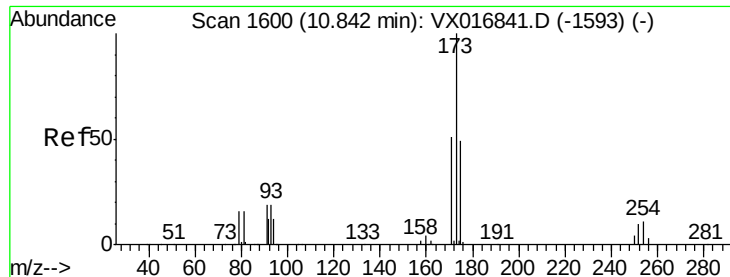
MMDadoda
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#70
Styrene
Concen: 57.205 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX016847.D
Acq: 18 Jun 2020 18:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		446774		
78	48.7	39.6	59.4		
103	53.6	43.3	64.9		





#71

Bromoform

Concen: 55.541 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX016847.D

Acq: 18 Jun 2020 18:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 137026

Ion Ratio Lower Upper

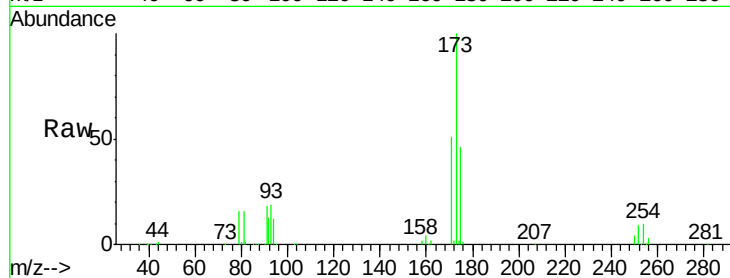
173 100

175 47.9 24.3 73.0

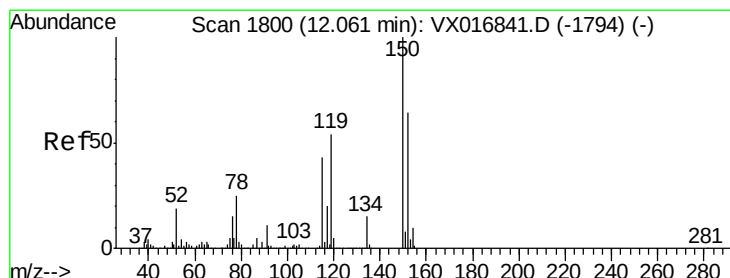
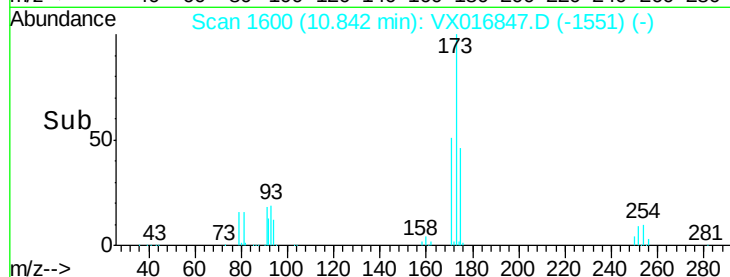
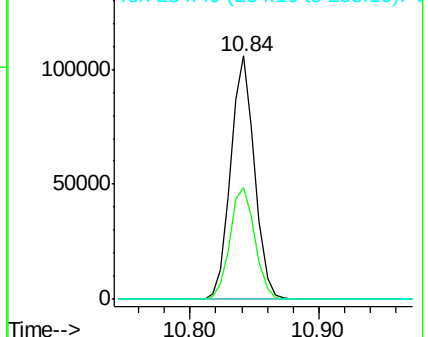
254 0.2 0.1 0.1#

Manual Integrations
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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: VX016847.D

Acq: 18 Jun 2020 18:37

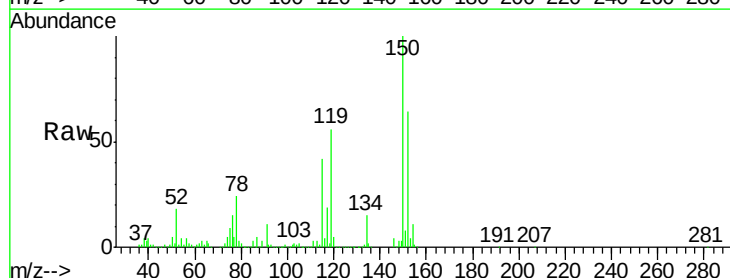
Tgt Ion:152 Resp: 222801

Ion Ratio Lower Upper

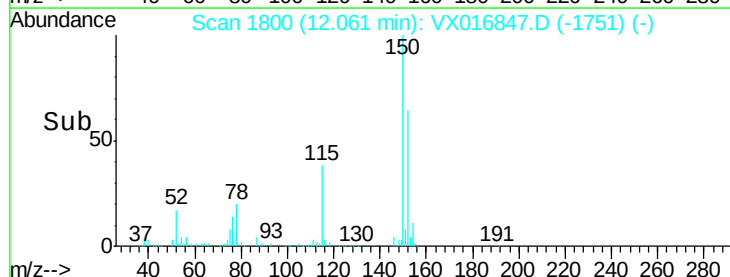
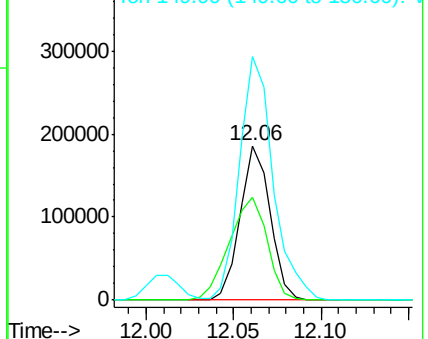
152 100

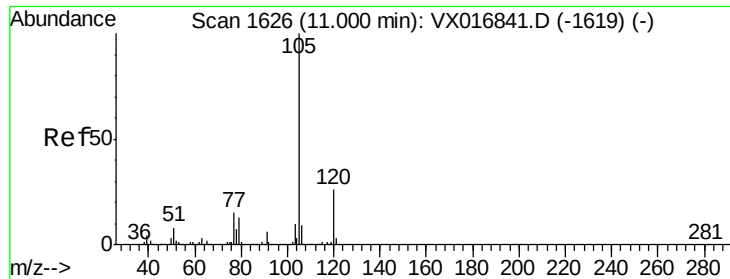
115 83.1 40.9 122.8

150 176.2 0.0 344.2



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: 47.826 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX016847.D

Acq: 18 Jun 2020 18:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 686069

Ion Ratio Lower Upper

105 100

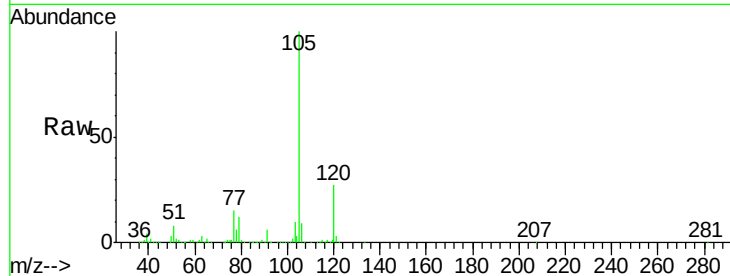
120 26.5 13.2 39.6

Manual Integrations

APPROVED

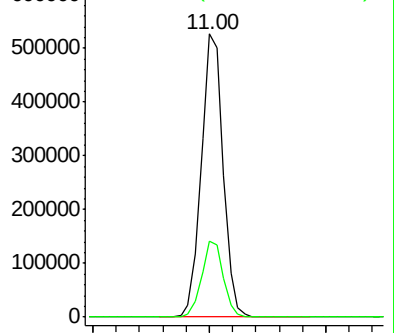
MMDadoda

6/19/2020 12:50:15 PM

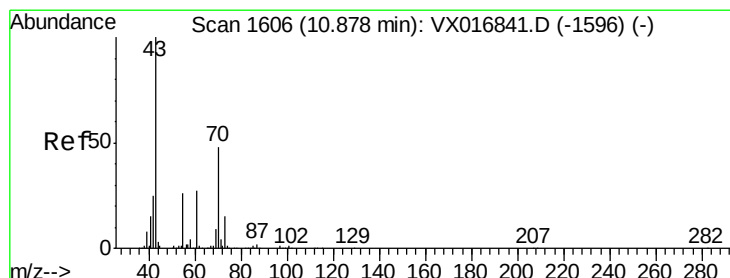
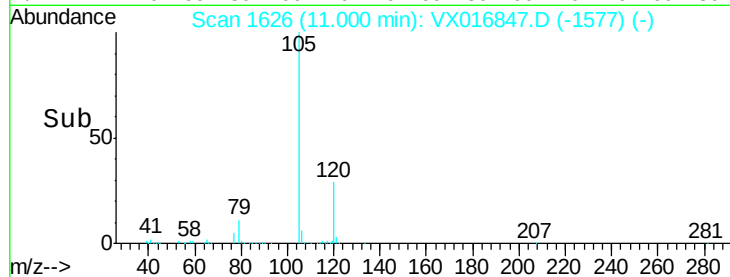


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time--> 10.90 11.00 11.10



#74

N-ethyl acetate

Concen: 52.177 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. 0.00 min

Lab File: VX016847.D

Acq: 18 Jun 2020 18:37

Tgt Ion: 43 Resp: 261366

Ion Ratio Lower Upper

43 100

70 49.1 39.9 59.9

55 26.4 21.8 32.6

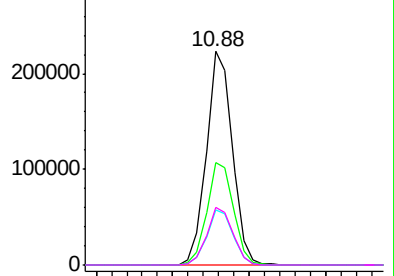
61 27.2 22.2 33.4

Abundance Ion 43.00 (42.70 to 43.70): VX0

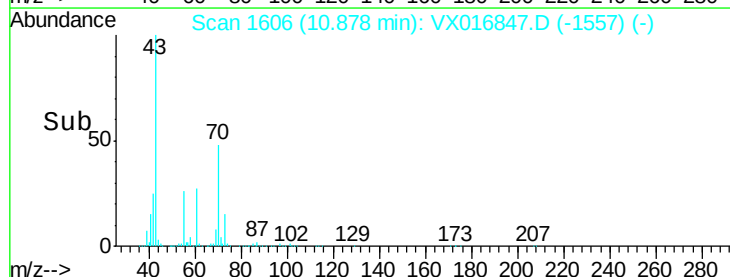
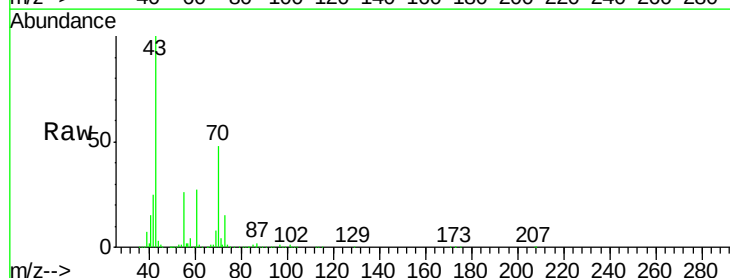
Ion 70.00 (69.70 to 70.70): VX0

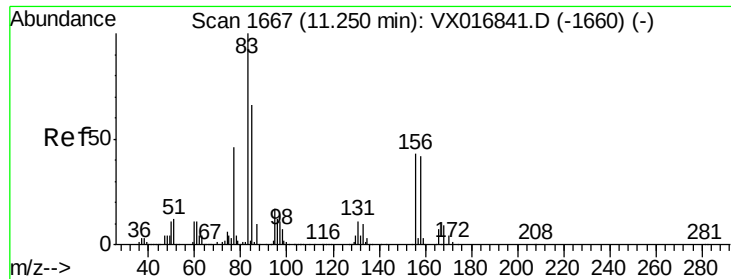
Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



Time--> 10.80 10.85 10.90 10.95





#75

1,1,2,2-Tetrachloroethane

Concen: 46.281 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. 0.00 min

Lab File: VX016847.D

Acq: 18 Jun 2020 18:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 187468

Ion Ratio Lower Upper

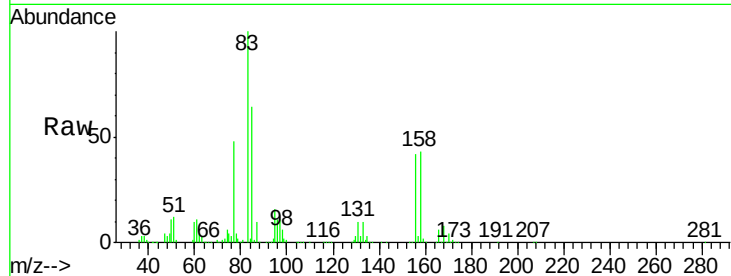
83 100

131 11.1 5.7 17.1

85 64.7 32.6 97.8

Manual Integrations
APPROVED

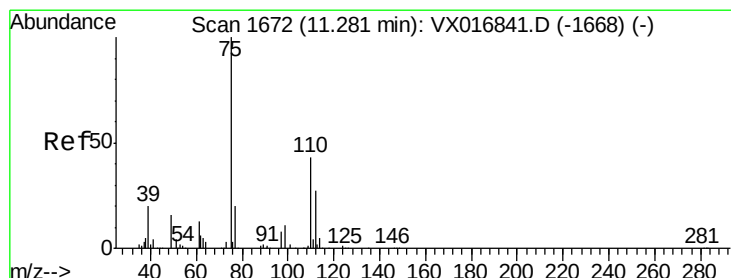
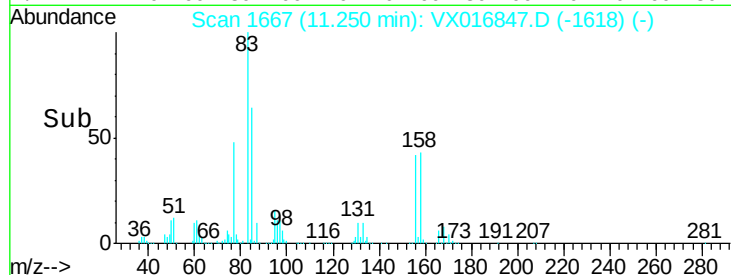
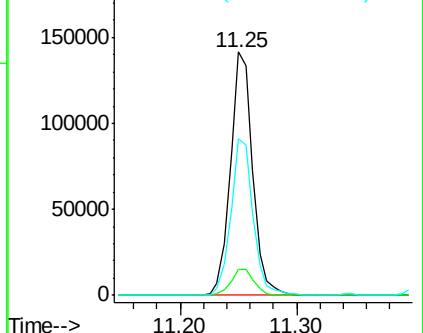
MMDadoda
6/19/2020 12:50:15 PM



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 47.915 ug/l m

RT: 11.28 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VX016847.D

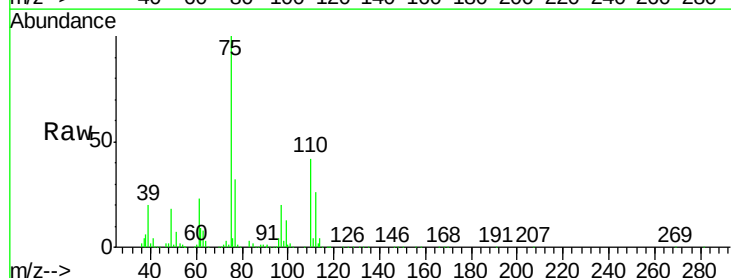
Acq: 18 Jun 2020 18:37

Tgt Ion: 75 Resp: 194969

Ion Ratio Lower Upper

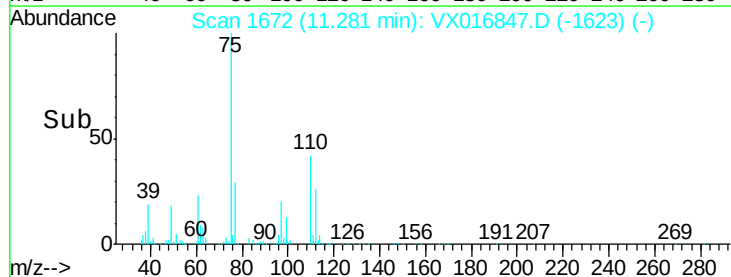
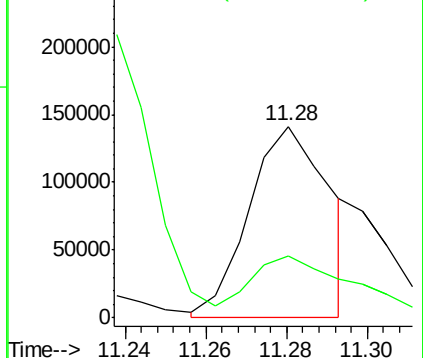
75 100

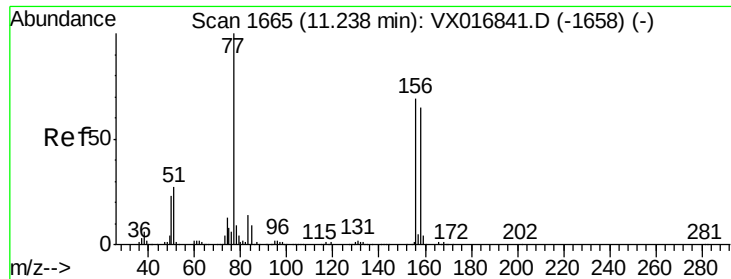
77 41.6 20.5 61.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 47.126 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VX016847.D

Acq: 18 Jun 2020 18:37

Instrument :

MSVOA_X

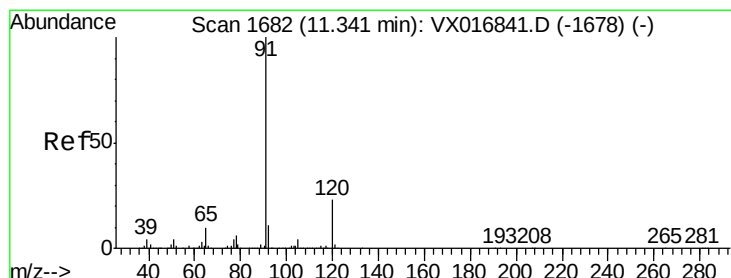
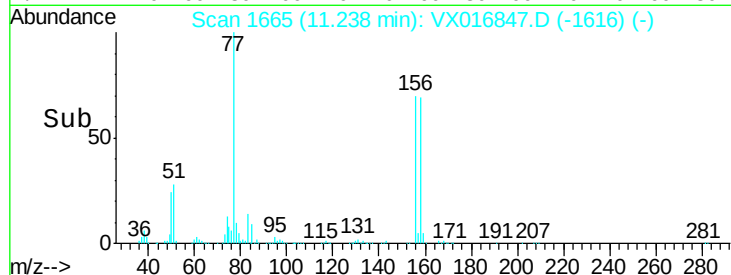
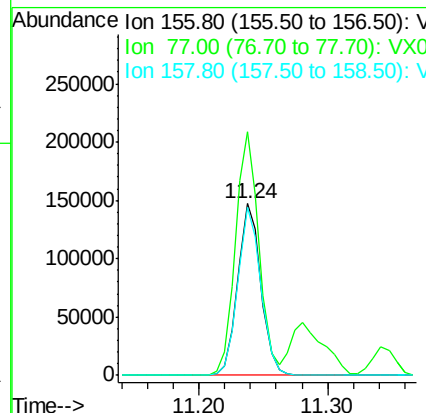
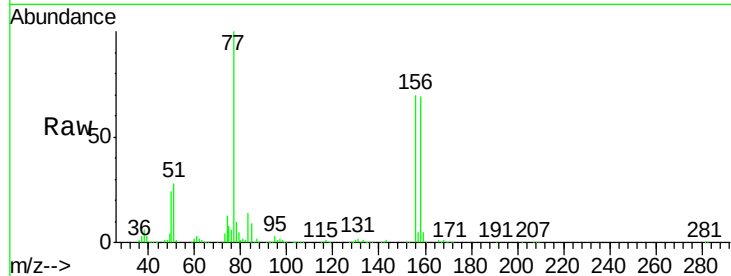
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	184368
Ion Ratio	Lower	Upper	
156	100		
77	144.3	73.4	220.2
158	97.5	48.8	146.3

Manual Integrations
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#78

n-propylbenzene

Concen: 47.666 ug/l

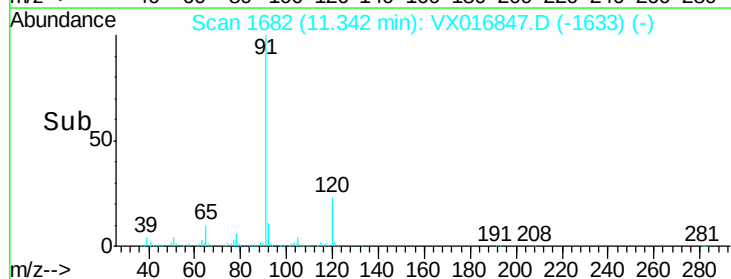
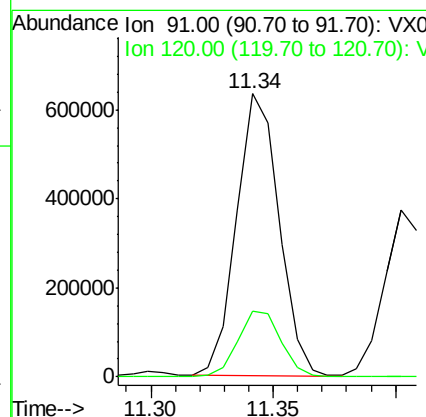
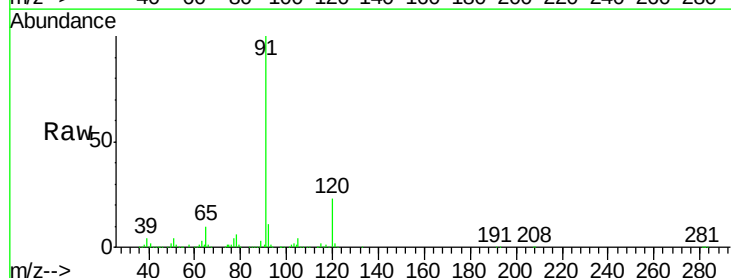
RT: 11.34 min Scan# 1682

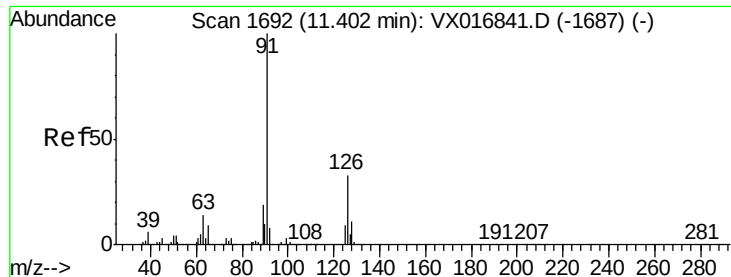
Delta R.T. 0.00 min

Lab File: VX016847.D

Acq: 18 Jun 2020 18:37

Tgt Ion:	91	Resp:	763105
Ion Ratio	Lower	Upper	
91	100		
120	24.0	11.9	35.5





#79

2-Chlorotoluene

Concen: 47.677 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VX016847.D

Acq: 18 Jun 2020 18:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 467012

Ion Ratio Lower Upper

91 100

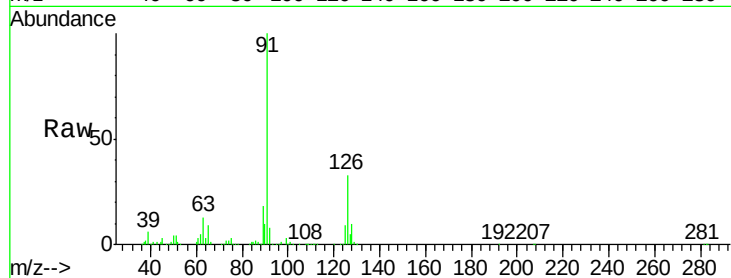
126 34.3 17.2 51.5

Manual Integrations

APPROVED

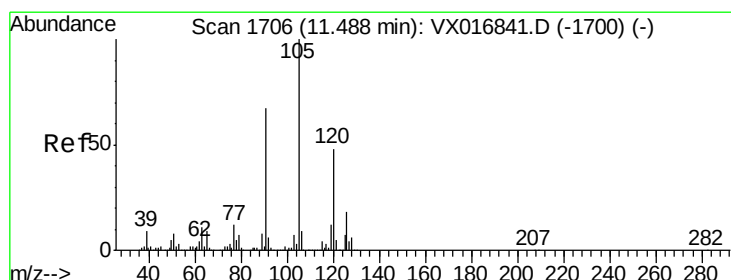
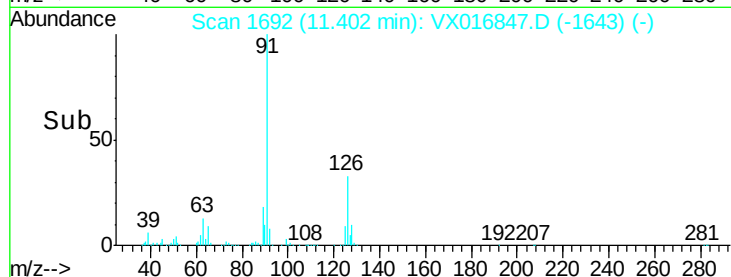
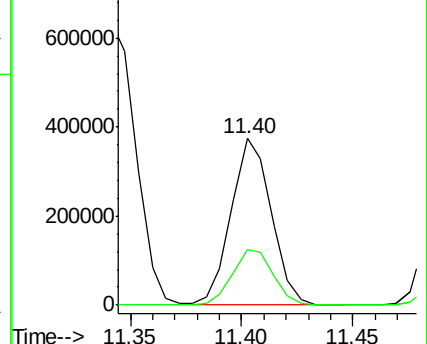
MMDadoda

6/19/2020 12:50:15 PM



Abundance Ion 91.00 (90.70 to 91.70): VX016847.D (-1687) (-)

Ion 125.90 (125.60 to 126.60): VX016847.D (-1687) (-)



#80

1,3,5-Trimethylbenzene

Concen: 48.131 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. 0.00 min

Lab File: VX016847.D

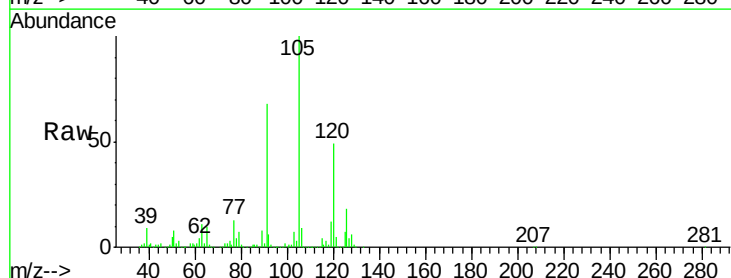
Acq: 18 Jun 2020 18:37

Tgt Ion: 105 Resp: 595715

Ion Ratio Lower Upper

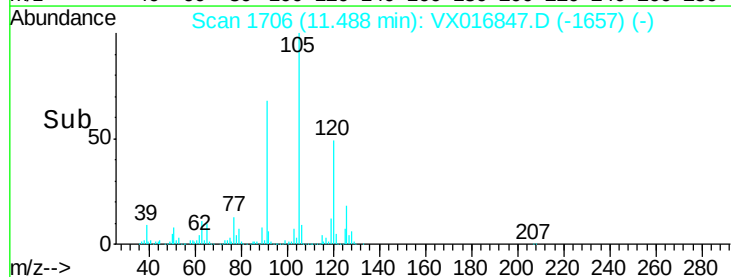
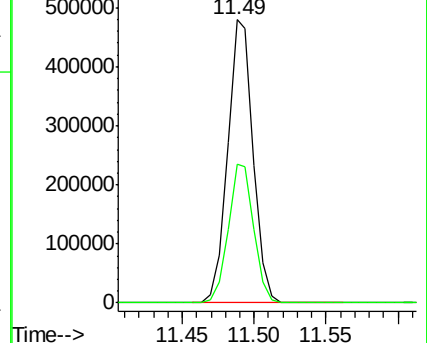
105 100

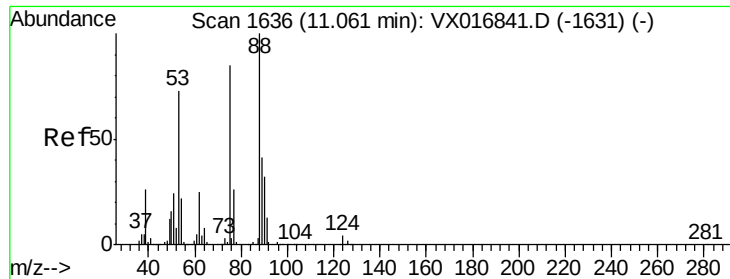
120 49.1 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VX016847.D (-1657) (-)

Ion 120.00 (119.70 to 120.70): VX016847.D (-1657) (-)





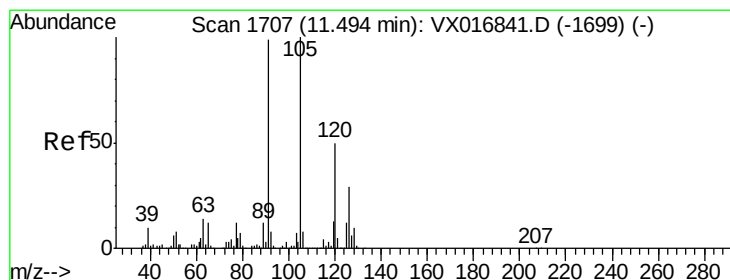
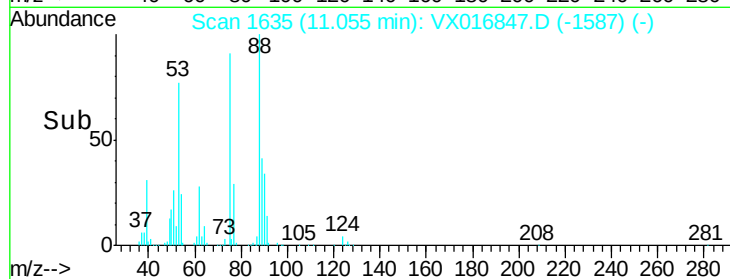
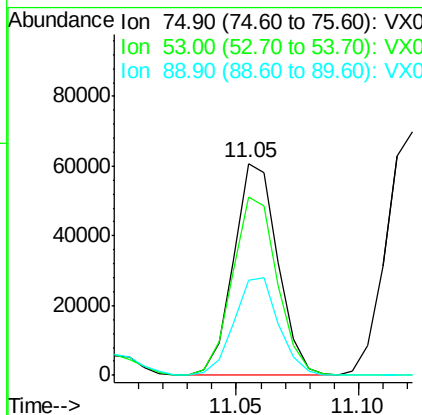
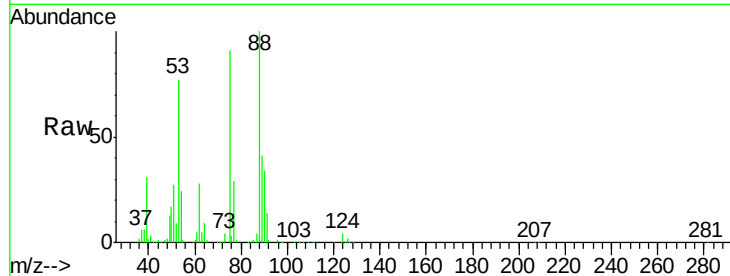
#81
trans-1,4-Dichloro-2-butene
Concen: 45.498 ug/l
RT: 11.05 min Scan# 1635
Delta R.T. -0.01 min
Lab File: VX016847.D
Acq: 18 Jun 2020 18:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	86.0	69.8	104.8
89	46.8	38.3	57.5

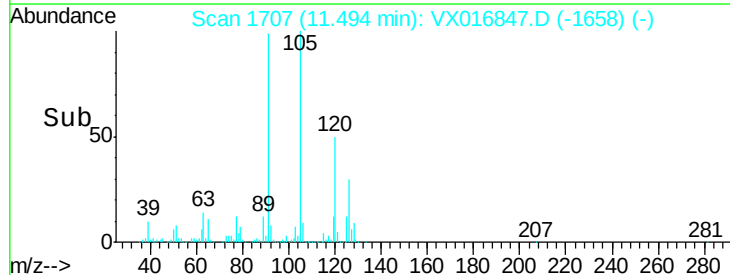
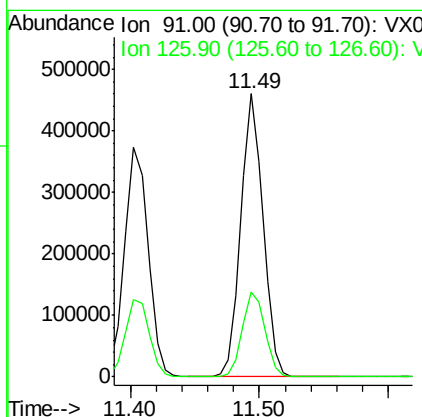
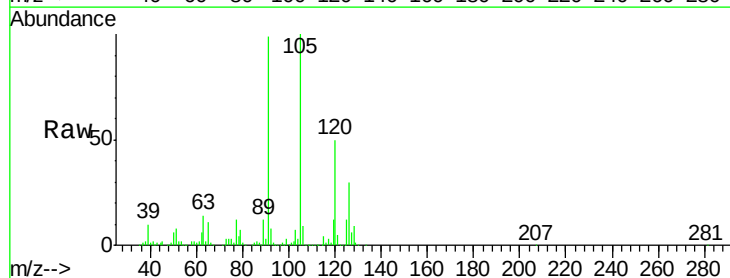
Manual Integrations
APPROVED

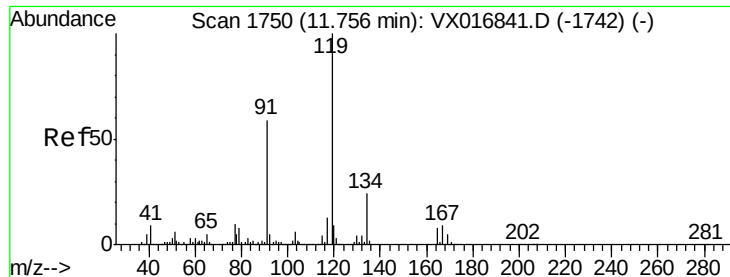
MMDadoda
6/19/2020 12:50:15 PM



#82
4-Chlorotoluene
Concen: 47.031 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. 0.00 min
Lab File: VX016847.D
Acq: 18 Jun 2020 18:37

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.4	15.0	45.0





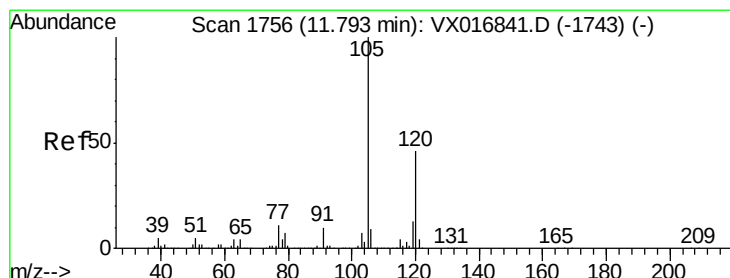
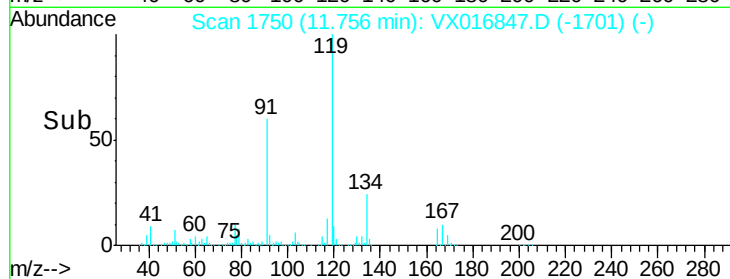
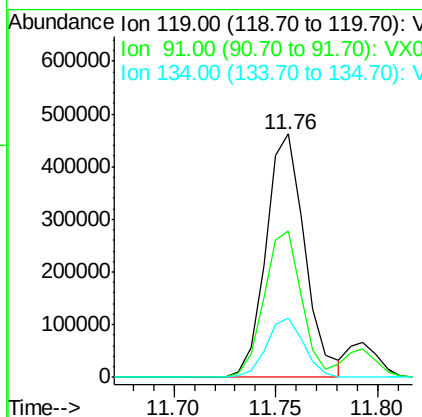
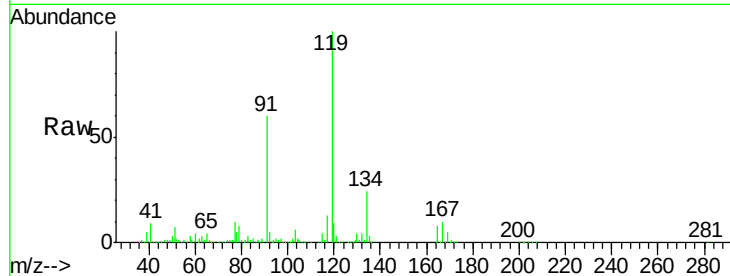
#83
tert-Butylbenzene
Concen: 50.072 ug/l
RT: 11.76 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VX016847.D
Acq: 18 Jun 2020 18:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	613184		
91	57.6	28.5	85.5	
134	23.3	11.7	35.1	

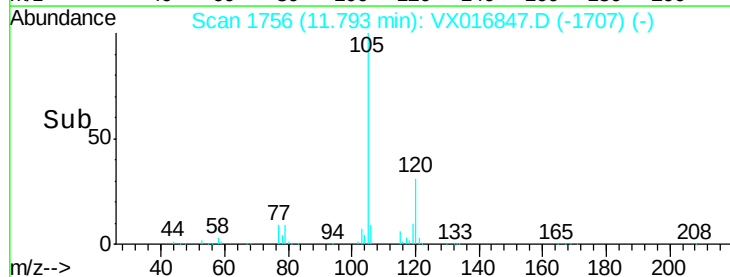
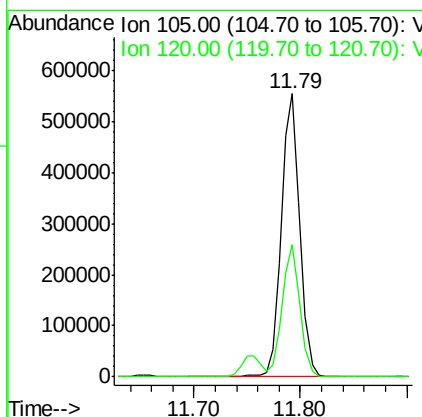
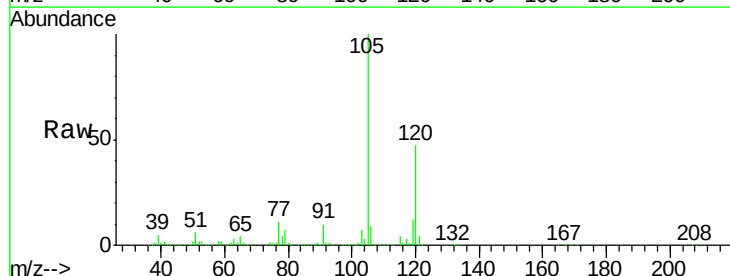
Manual Integrations
APPROVED

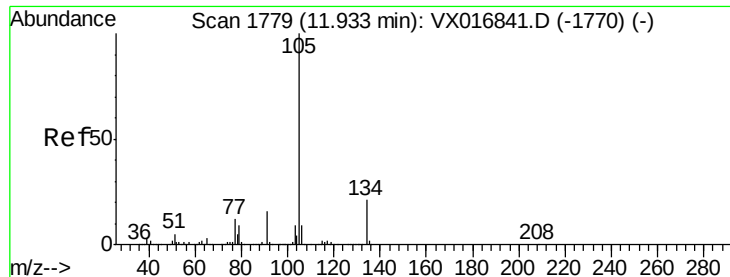
MMDadoda
6/19/2020 12:50:15 PM



#84
1,2,4-Trimethylbenzene
Concen: 51.891 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. 0.00 min
Lab File: VX016847.D
Acq: 18 Jun 2020 18:37

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	661584		
120	45.0	22.3	66.9	





#85

sec-Butylbenzene

Concen: 53.333 ug/l

RT: 11.93 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VX016847.D

Acq: 18 Jun 2020 18:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 758534

Ion Ratio Lower Upper

105 100

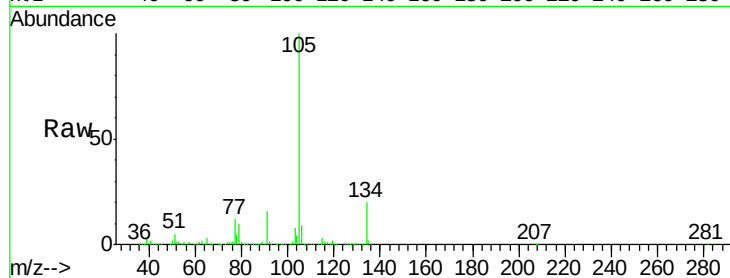
134 20.8 10.4 31.2

Manual Integrations

APPROVED

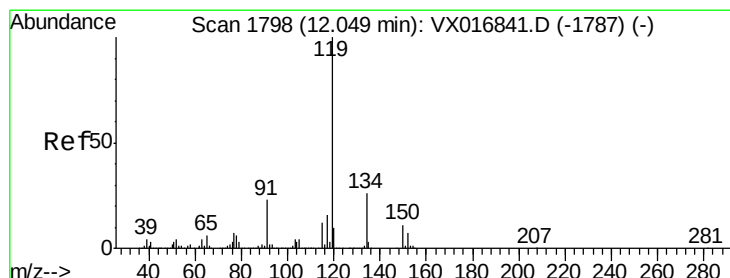
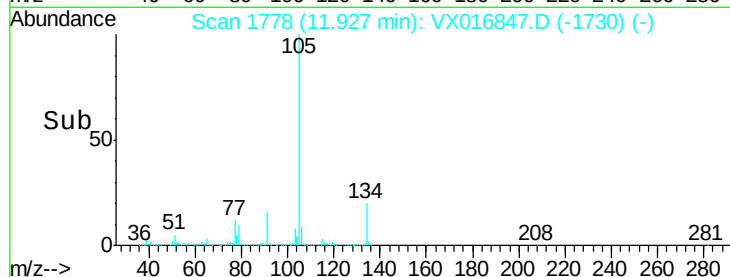
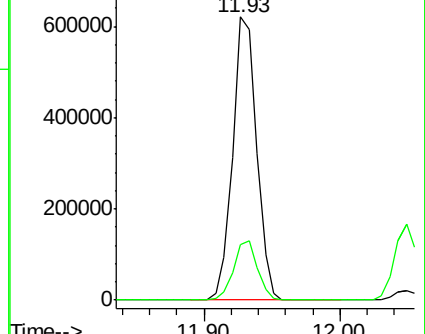
MMDadoda

6/19/2020 12:50:15 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 57.513 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VX016847.D

Acq: 18 Jun 2020 18:37

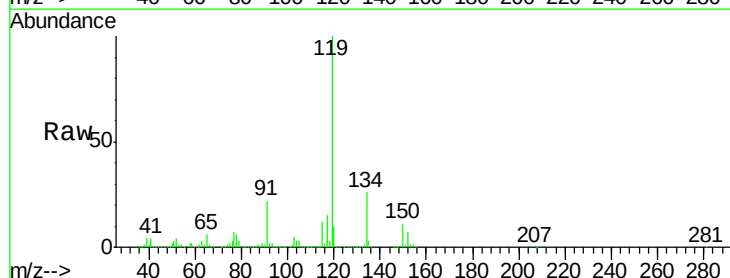
Tgt Ion:119 Resp: 749452

Ion Ratio Lower Upper

119 100

134 25.9 12.9 38.7

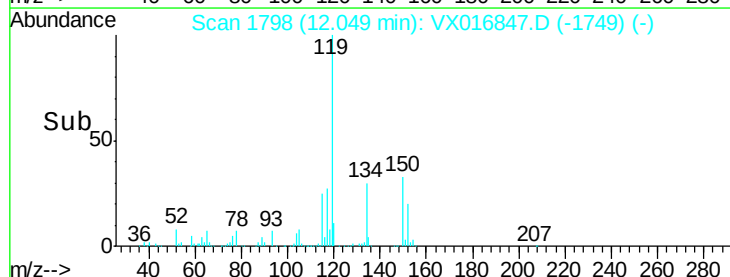
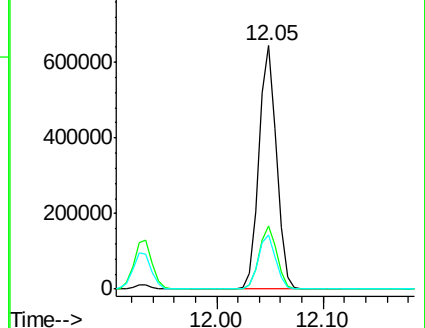
91 22.3 11.6 34.8

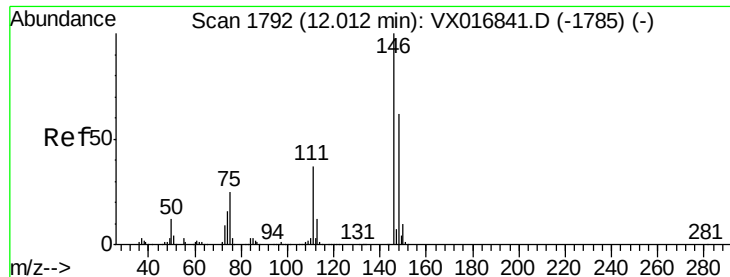


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





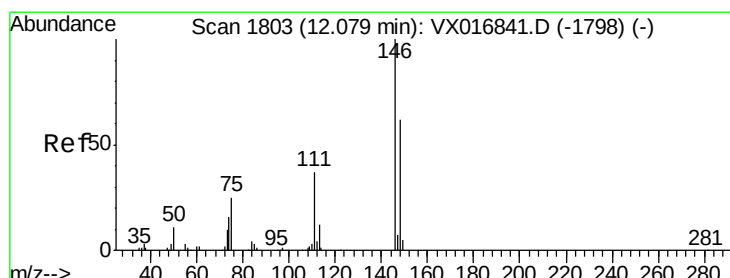
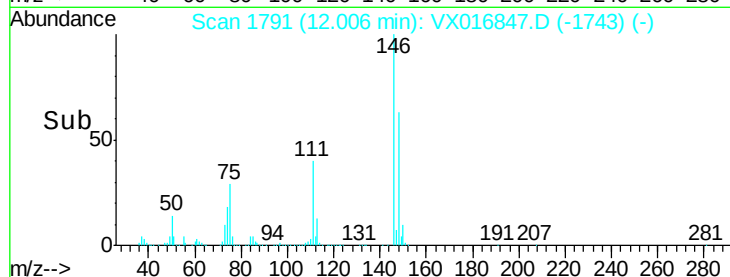
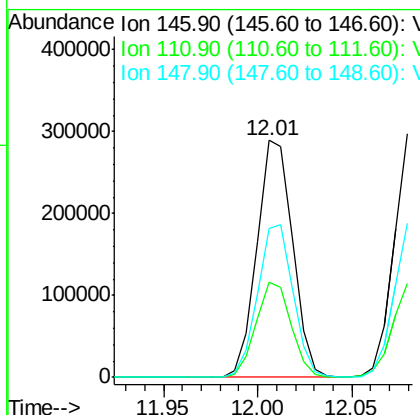
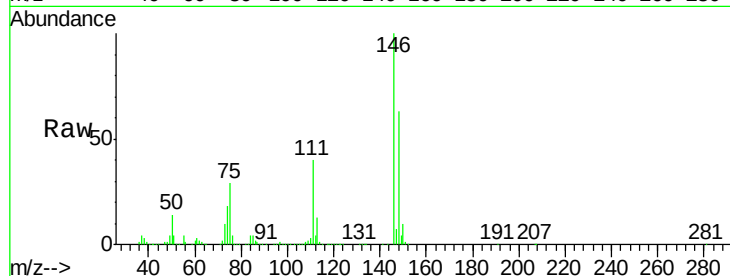
#87
 1,3-Dichlorobenzene
 Concen: 53.318 ug/l
 RT: 12.01 min Scan# 1791
 Delta R.T. -0.01 min
 Lab File: VX016847.D
 Acq: 18 Jun 2020 18:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.4	58.2
148	64.1	31.8	95.3

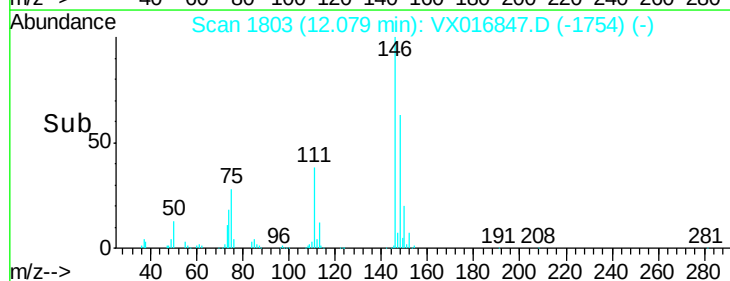
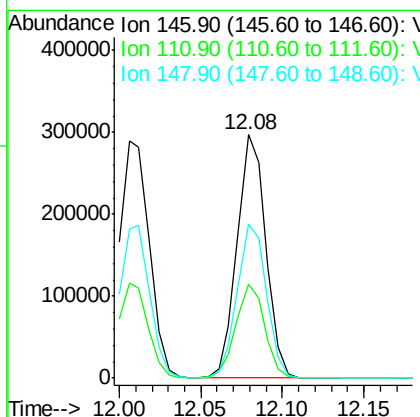
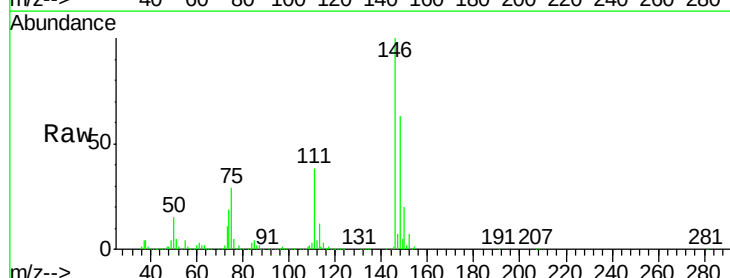
Manual Integrations
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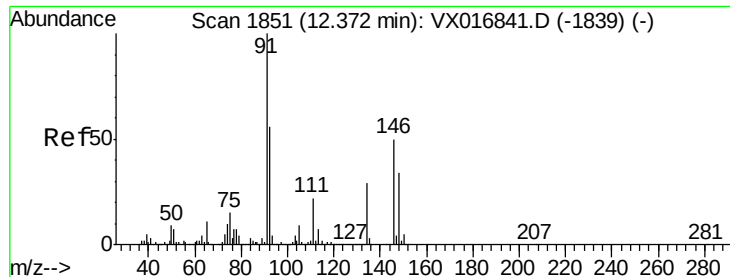
MMDadoda
 6/19/2020 12:50:15 PM



#88
 1,4-Dichlorobenzene
 Concen: 50.568 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VX016847.D
 Acq: 18 Jun 2020 18:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.0	57.0
148	64.9	31.6	95.0





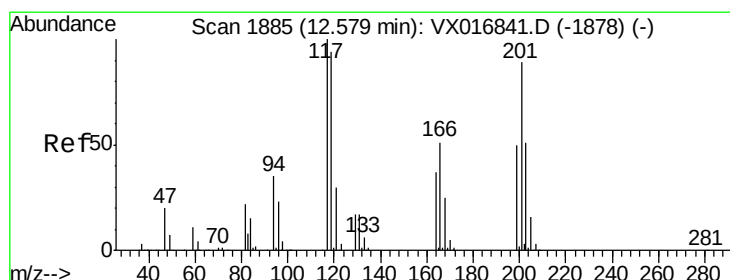
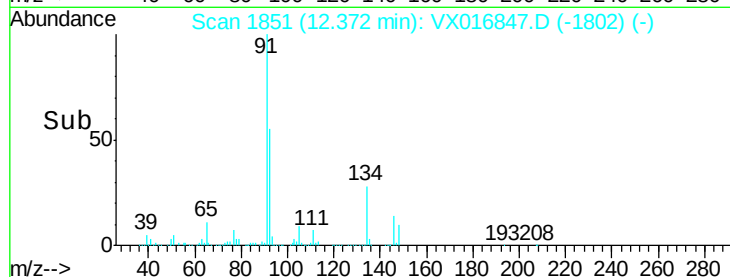
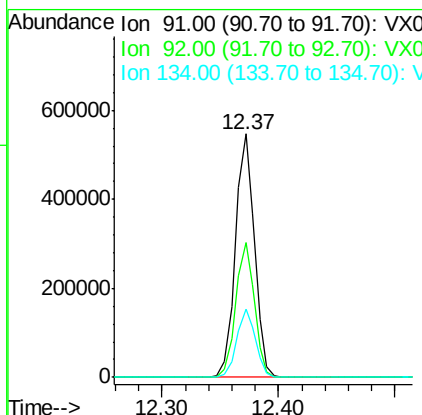
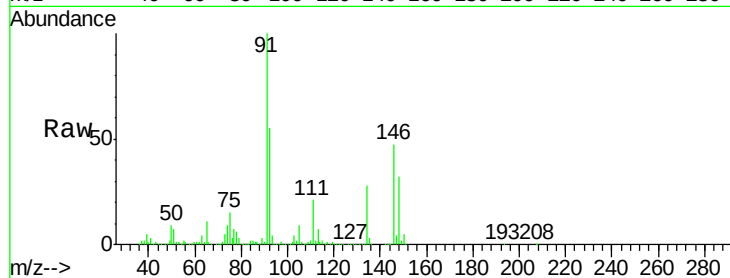
#89
n-Butylbenzene
Concen: 55.680 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VX016847.D
Acq: 18 Jun 2020 18:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.7	27.4	82.2
134	27.6	13.9	41.6

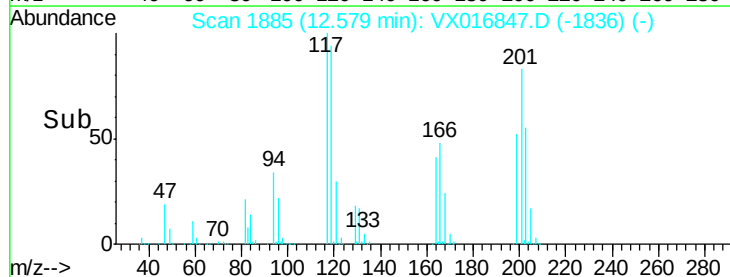
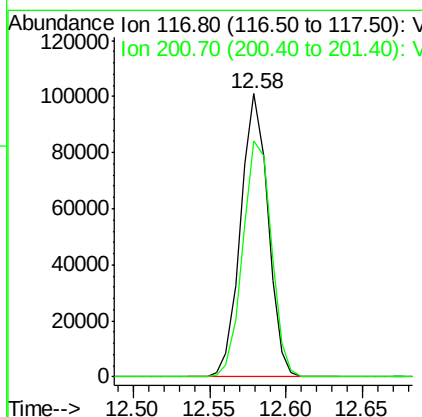
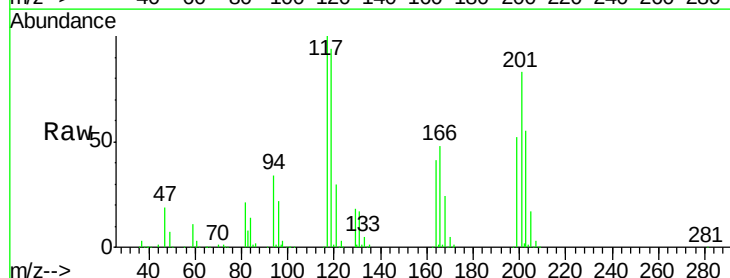
Manual Integrations
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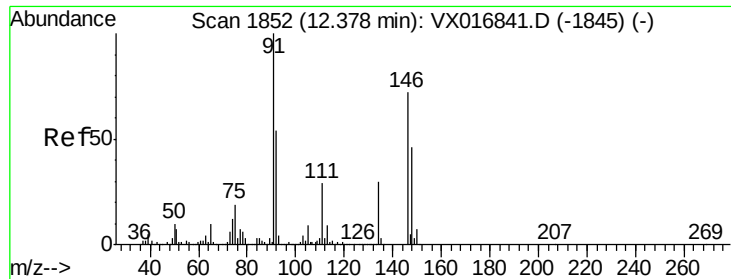
MMDadoda
6/19/2020 12:50:15 PM



#90
Hexachloroethane
Concen: 53.476 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX016847.D
Acq: 18 Jun 2020 18:37

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.1	44.9	134.5





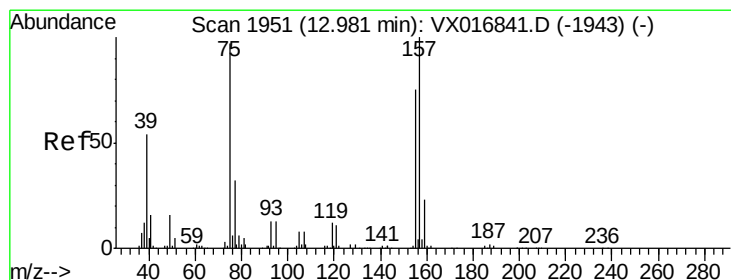
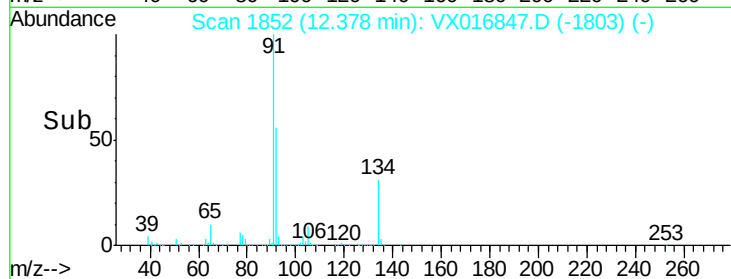
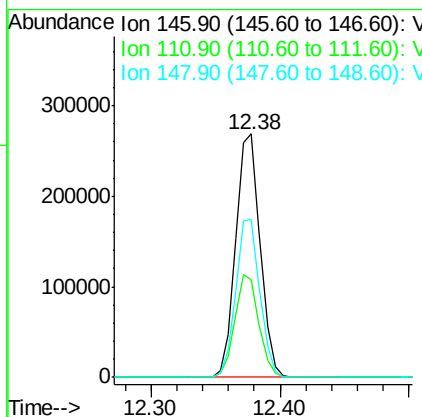
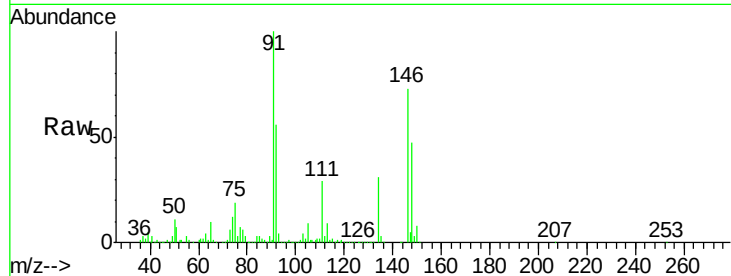
#91
 1,2-Dichlorobenzene
 Concen: 51.391 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VX016847.D
 Acq: 18 Jun 2020 18:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.9	62.7
148	64.3	32.9	98.6

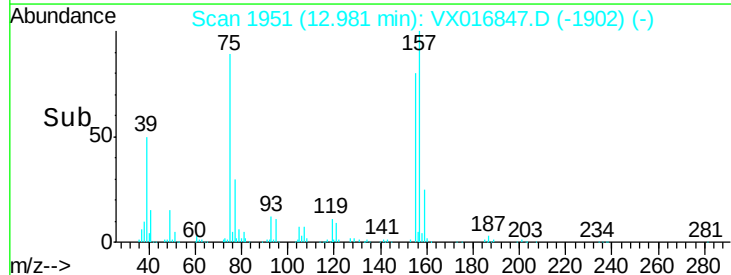
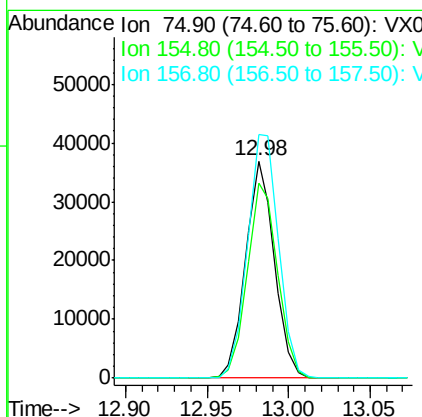
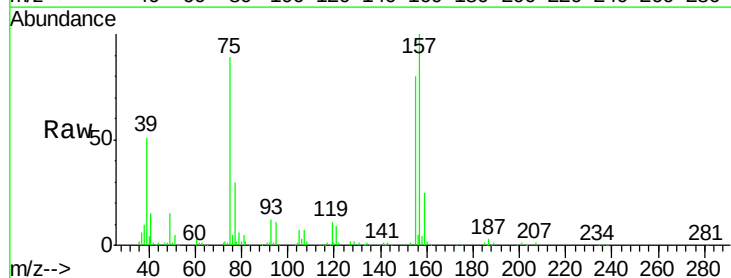
Manual Integrations
 APPROVED

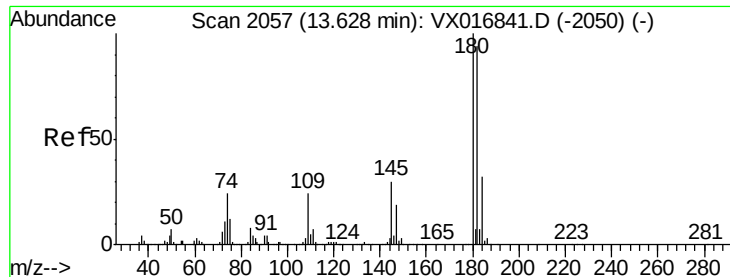
MMDadoda
 6/19/2020 12:50:15 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.412 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX016847.D
 Acq: 18 Jun 2020 18:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.2	46.4	139.1
157	121.2	58.6	175.8





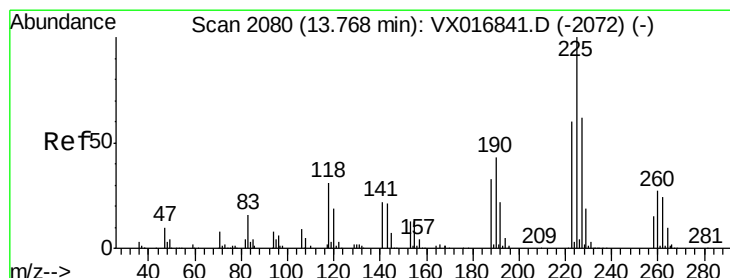
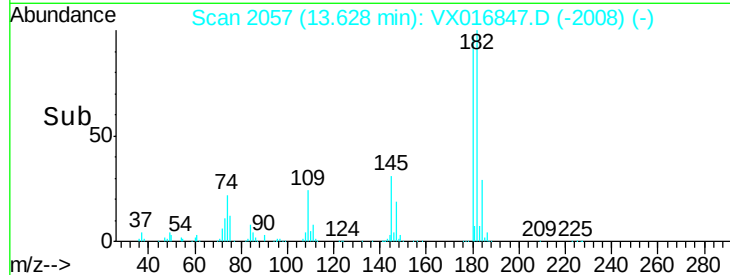
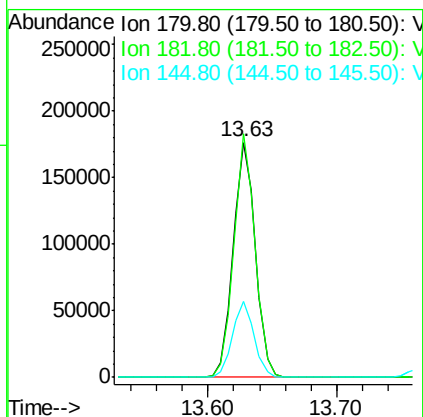
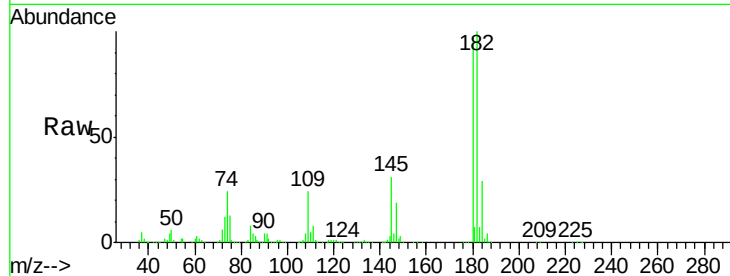
#93
 1,2,4-Trichlorobenzene
 Concen: 45.817 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX016847.D
 Acq: 18 Jun 2020 18:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	212291		
182	99.2	47.7	143.1	
145	31.5	15.0	45.1	

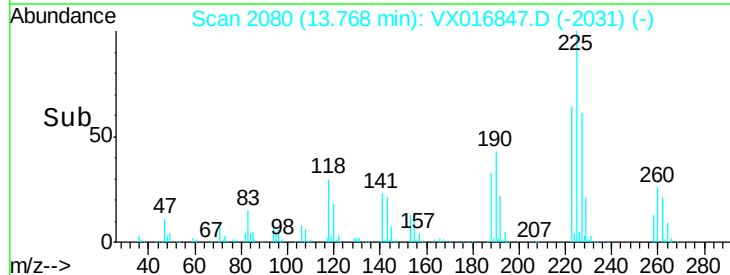
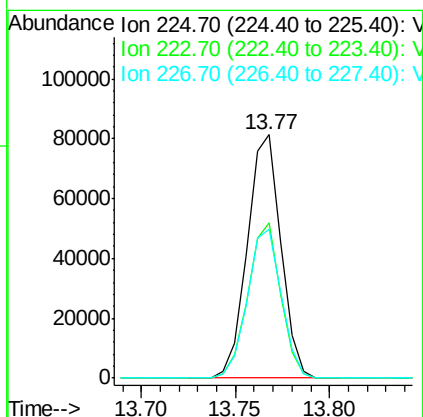
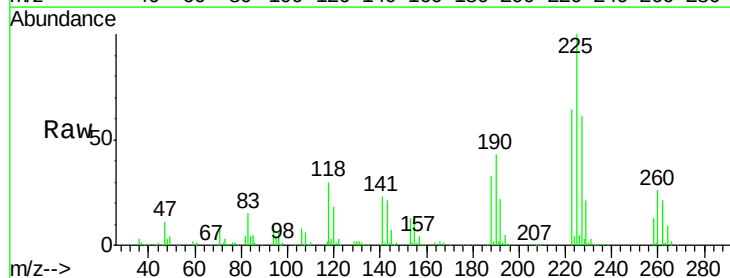
Manual Integrations
 APPROVED

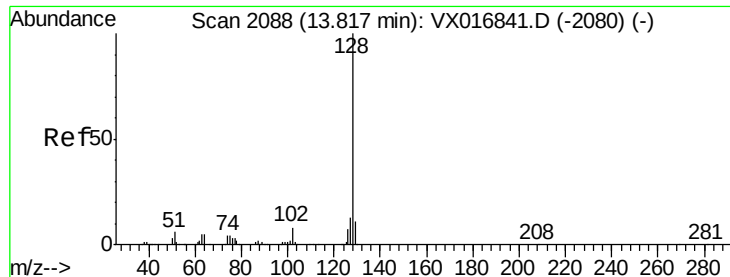
MMDadoda
 6/19/2020 12:50:15 PM



#94
 Hexachlorobutadiene
 Concen: 47.978 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX016847.D
 Acq: 18 Jun 2020 18:37

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	100313		
223	62.4	32.1	96.5	
227	61.7	32.3	96.8	





#95

Naphthalene

Concen: 51.066 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX016847.D

Acq: 18 Jun 2020 18:37

Instrument :

MSVOA_X

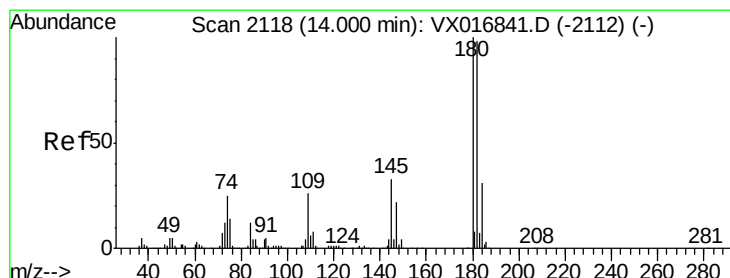
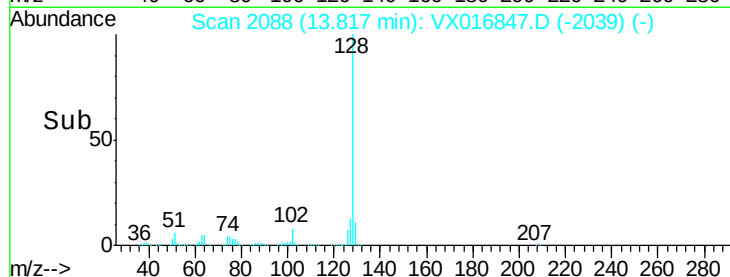
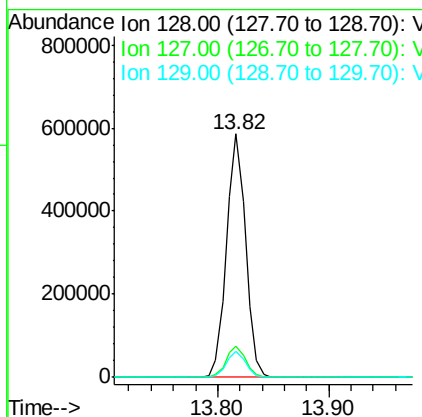
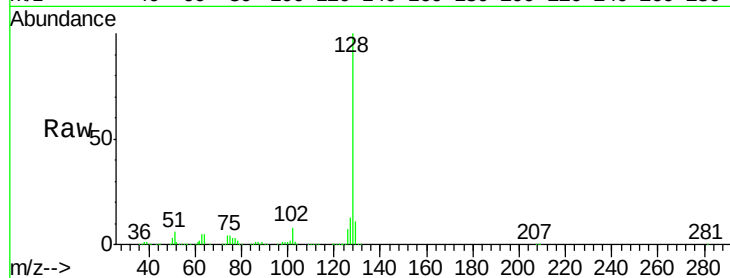
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	694660
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
6/19/2020 12:50:15 PM



#96

1,2,3-Trichlorobenzene

Concen: 47.343 ug/l

RT: 14.00 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VX016847.D

Acq: 18 Jun 2020 18:37

Tgt Ion:	180	Resp:	218760
Ion Ratio	Lower	Upper	
180	100		
182	96.2	47.4	142.3
145	31.9	16.0	48.0

