

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX083019\
 Data File : VX011940.D
 Acq On : 31 Aug 2019 07:27
 Operator : SY/SP
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 2:41:12 AM

Quant Time: Aug 31 11:10:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082919S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 30 01:59:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	272808	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	397027	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	377316	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	225796	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	146300	55.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.94%	
35) Dibromofluoromethane	5.48	113	134306	52.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.50%	
50) Toluene-d8	8.71	98	475967	52.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.60%	
62) 4-Bromofluorobenzene	11.14	95	199597	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	77205	46.890	ug/l	100
3) Chloromethane	1.31	50	92585	48.506	ug/l	100
4) Vinyl Chloride	1.39	62	89046	48.855	ug/l	98
5) Bromomethane	1.62	94	70404	55.827	ug/l	100
6) Chloroethane	1.71	64	60124	53.003	ug/l	97
7) Trichlorofluoromethane	1.92	101	158989	50.227	ug/l	100
8) Diethyl Ether	2.17	74	60562	55.672	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	101948	49.417	ug/l	98
10) Methyl Iodide	2.50	142	90209	40.782	ug/l	99
11) Tert butyl alcohol	3.03	59	81773	325.190	ug/l	99
12) 1,1-Dichloroethene	2.36	96	99225	51.786	ug/l	99
13) Acrolein	2.28	56	24390	194.874	ug/l	98
14) Allyl chloride	2.72	41	187302	52.112	ug/l	100
15) Acrylonitrile	3.12	53	192057	321.415	ug/l	98
16) Acetone	2.43	43	162241	288.493	ug/l	99
17) Carbon Disulfide	2.56	76	276953	50.393	ug/l	100
18) Methyl Acetate	2.76	43	114698	73.678	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	365217	58.836	ug/l	99
20) Methylene Chloride	2.84	84	135080	56.978	ug/l	96
21) trans-1,2-Dichloroethene	3.15	96	121816	53.972	ug/l	98
22) Diisopropyl ether	3.84	45	411268	56.050	ug/l	96
23) Vinyl Acetate	3.80	43	1301163	275.815	ug/l	100
24) 1,1-Dichloroethane	3.68	63	224190	55.406	ug/l	99
25) 2-Butanone	4.65	43	262824	320.879	ug/l	99
26) 2,2-Dichloropropane	4.57	77	144117	42.466	ug/l	98
27) cis-1,2-Dichloroethene	4.58	96	150291	56.531	ug/l	97
28) Bromochloromethane	5.00	49	106908	58.882	ug/l	98
29) Tetrahydrofuran	5.11	42	168159	328.925	ug/l	99
30) Chloroform	5.20	83	241796	55.888	ug/l	96
31) Cyclohexane	5.56	56	154639	47.382	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	210963	54.893	ug/l	99
36) 1,1-Dichloropropene	5.79	75	157565	50.094	ug/l	99
37) Ethyl Acetate	4.82	43	115309	61.931	ug/l	99
38) Carbon Tetrachloride	5.77	117	188175	51.584	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	172164	45.953	ug/l	99
40) Benzene	6.13	78	498867	53.134	ug/l	100
41) Methacrylonitrile	5.03	41	67903	61.940	ug/l	99
42) 1,2-Dichloroethane	6.18	62	182041	57.015	ug/l	99
43) Isopropyl Acetate	6.43	43	226175	59.916	ug/l	99
44) Trichloroethene	7.20	130	155732	53.609	ug/l	100
45) 1,2-Dichloropropane	7.51	63	133564	54.385	ug/l	99
46) Dibromomethane	7.65	93	83311	57.159	ug/l	99
47) Bromodichloromethane	7.89	83	200757	55.546	ug/l	100
48) Methyl methacrylate	7.76	41	112666	61.341	ug/l	99
49) 1,4-Dioxane	7.73	88	33800	1338.229	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	600019	312.888	ug/l	100
52) Toluene	8.78	92	335129	53.954	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	191603	51.754	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	212419	51.113	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	120686	56.560	ug/l	99
56) Ethyl methacrylate	9.17	69	171211	57.814	ug/l	99
57) 1,3-Dichloropropane	9.37	76	203782	57.539	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	404181	286.550	ug/l	98
59) 2-Hexanone	9.48	43	422701	310.308	ug/l	99
60) Dibromochloromethane	9.57	129	164048	57.242	ug/l	99
61) 1,2-Dibromoethane	9.67	107	124544	58.871	ug/l	100
64) Tetrachloroethene	9.33	164	184674	60.846	ug/l	98
65) Chlorobenzene	10.14	112	396338	54.205	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	161994	54.787	ug/l	100
67) Ethyl Benzene	10.25	91	658524	52.947	ug/l	98
68) m/p-Xylenes	10.35	106	509673	106.125	ug/l	100
69) o-Xylene	10.70	106	250458	53.517	ug/l	99
70) Styrene	10.71	104	450993	54.674	ug/l	100
71) Bromoform	10.85	173	124516	59.555	ug/l #	100
73) Isopropylbenzene	11.01	105	671556	51.763	ug/l	100
74) N-amyl acetate	10.89	43	206295	53.581	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	11.26	83	151712	57.138	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	132367m	59.594	ug/l	
77) Bromobenzene	11.25	156	203401	54.057	ug/l	99
78) n-propylbenzene	11.35	91	760374	51.685	ug/l	100
79) 2-Chlorotoluene	11.42	91	462443	52.222	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	581335	51.913	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	42601	48.182	ug/l	100
82) 4-Chlorotoluene	11.51	91	559509	52.374	ug/l	99
83) tert-Butylbenzene	11.76	119	582625	51.274	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	600940	52.363	ug/l	99
85) sec-Butylbenzene	11.94	105	679846	51.511	ug/l	99
86) p-Isopropyltoluene	12.06	119	659815	51.557	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	370223	52.942	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	373197	52.790	ug/l	99
89) n-Butylbenzene	12.39	91	570174	50.358	ug/l	100
90) Hexachloroethane	12.59	117	130711	52.794	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	352431	54.207	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	31667	59.873	ug/l	96

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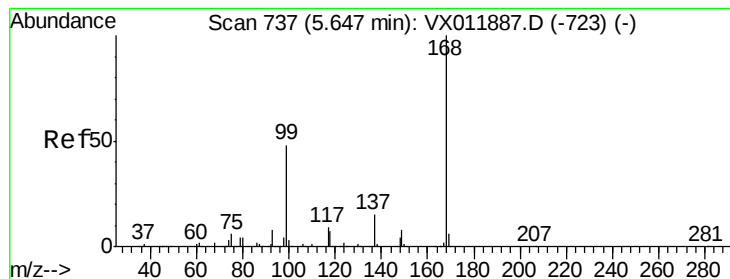
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	291606	53.266	ug/l	100
94) Hexachlorobutadiene	13.78	225	189983	51.965	ug/l	99
95) Naphthalene	13.83	128	550825	58.627	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	271426	54.828	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX011940.D

Acq: 31 Aug 2019 07:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 272808

Ion Ratio Lower Upper

168 100

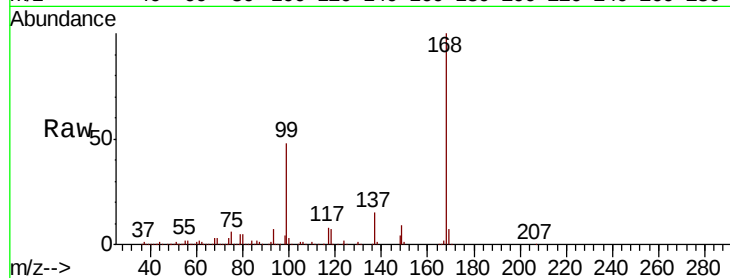
99 47.8 38.4 57.6

Manual Integrations

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9/3/2019 2:41:12 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

100000

80000

60000

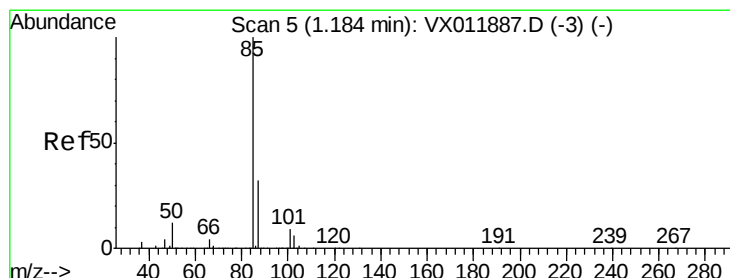
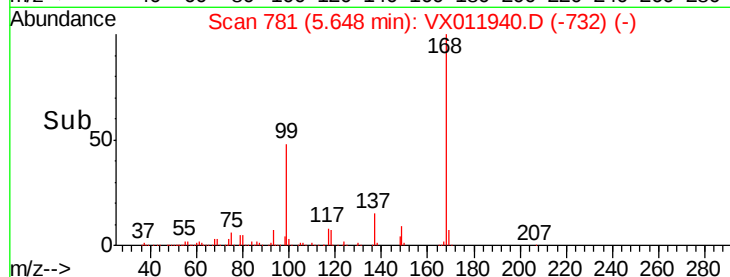
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 46.890 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX011940.D

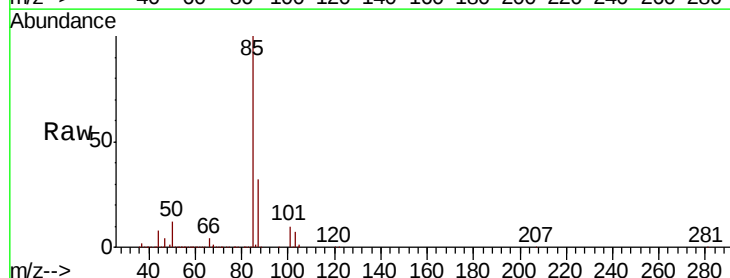
Acq: 31 Aug 2019 07:27

Tgt Ion: 85 Resp: 77205

Ion Ratio Lower Upper

85 100

87 32.4 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

80000

60000

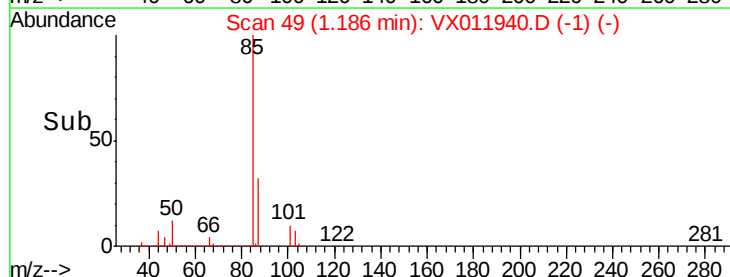
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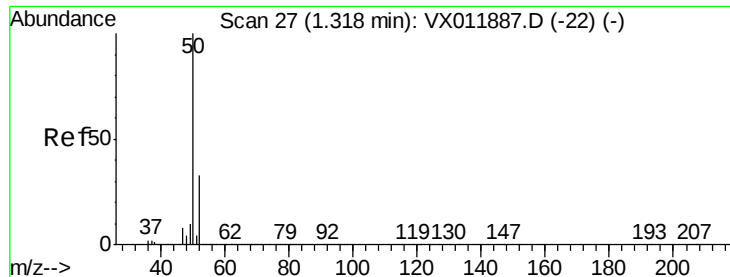
20000

0

1.10 1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 48.506 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX011940.D

Acq: 31 Aug 2019 07:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 92585

Ion Ratio Lower Upper

50 100

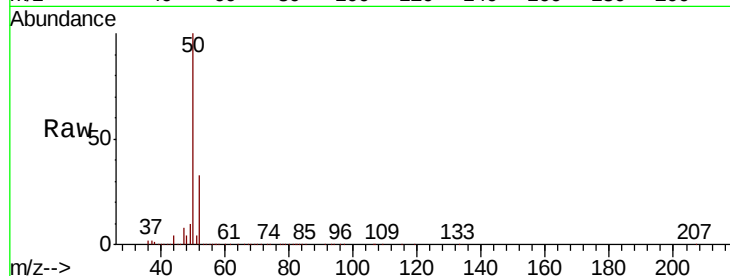
52 32.5 26.0 39.0

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

100000

80000

60000

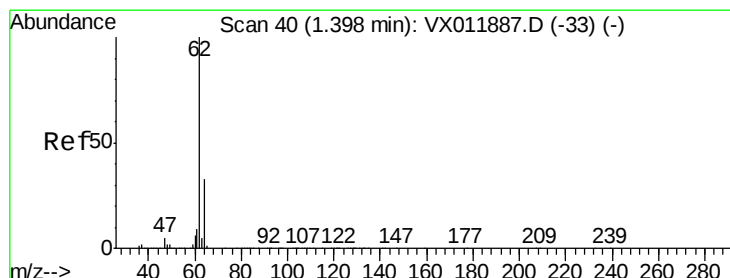
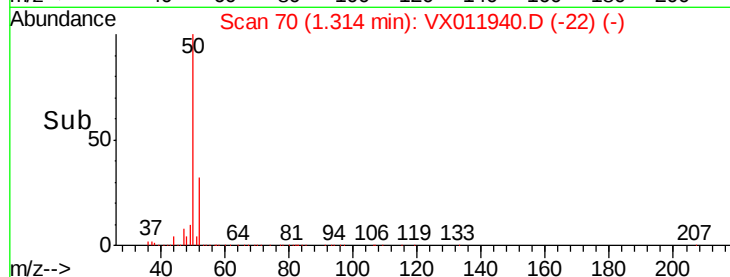
40000

20000

0

1.25 1.30 1.35 1.40

Time-->



#4

Vinyl Chloride

Concen: 48.855 ug/l

RT: 1.39 min Scan# 83

Delta R.T. -0.00 min

Lab File: VX011940.D

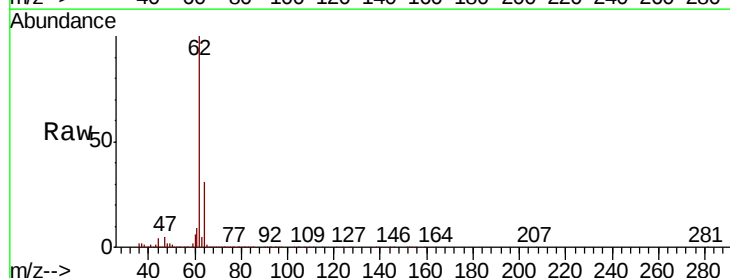
Acq: 31 Aug 2019 07:27

Tgt Ion: 62 Resp: 89046

Ion Ratio Lower Upper

62 100

64 31.2 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.39

80000

60000

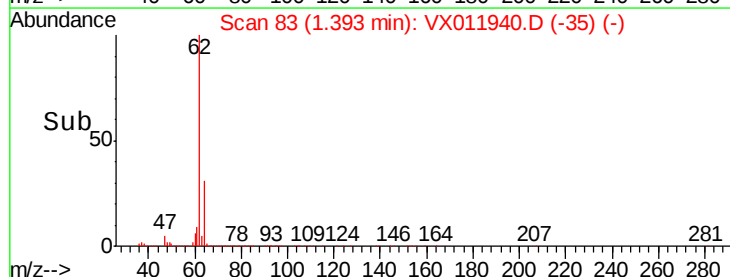
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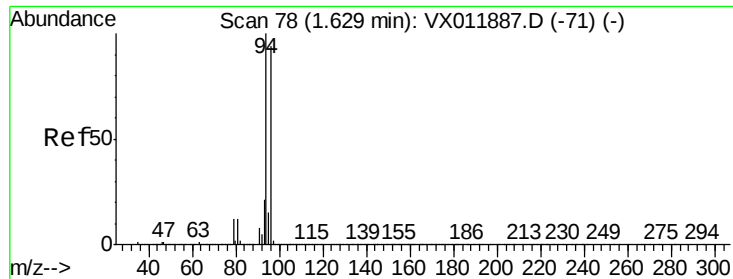
20000

0

1.35 1.40 1.45 1.50

Time-->





#5

Bromomethane

Concen: 55.827 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX011940.D

Acq: 31 Aug 2019 07:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 70404

Ion Ratio Lower Upper

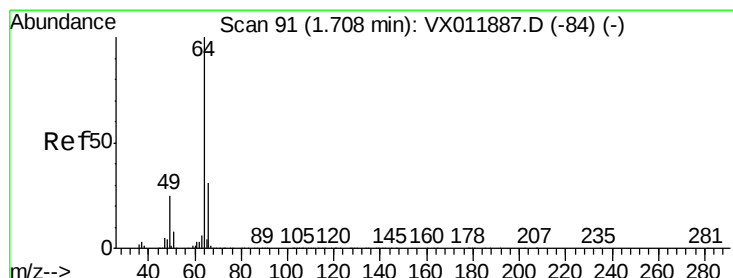
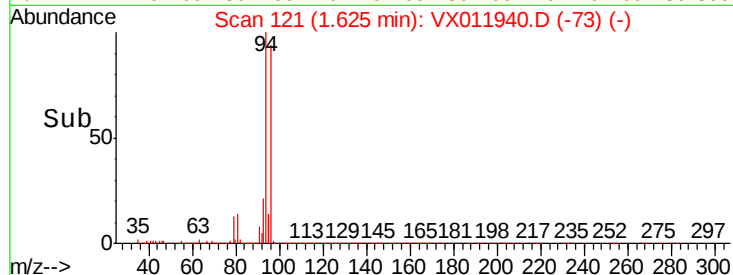
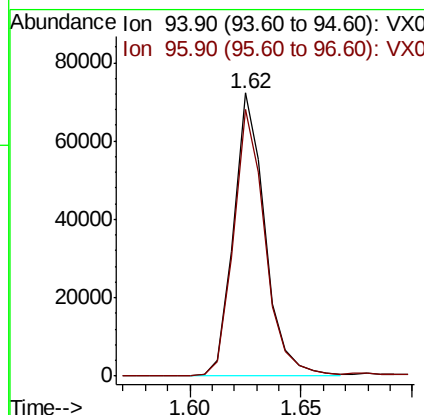
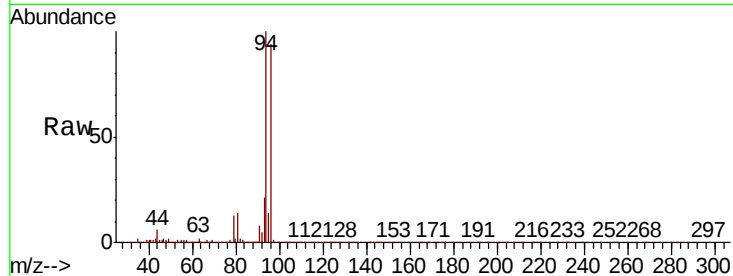
94 100

96 94.3 75.0 112.6

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9/3/2019 2:41:12 AM



#6

Chloroethane

Concen: 53.003 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX011940.D

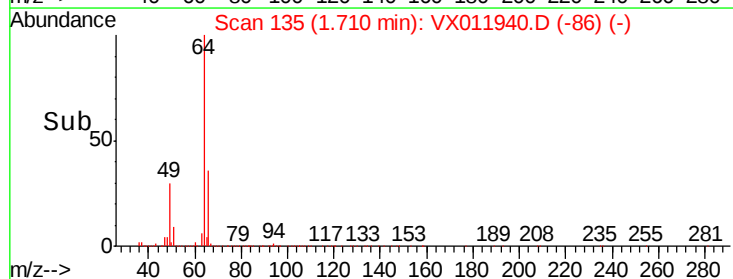
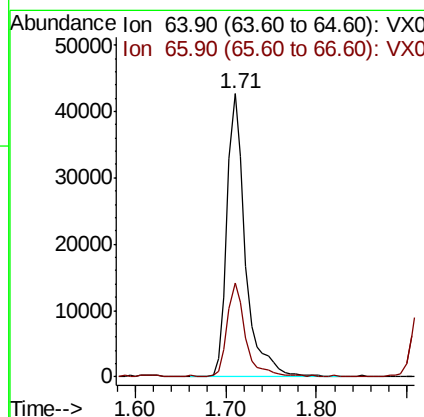
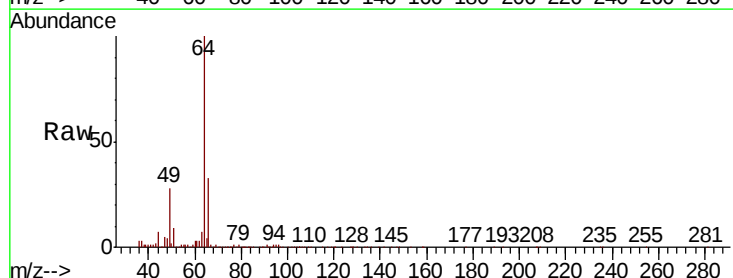
Acq: 31 Aug 2019 07:27

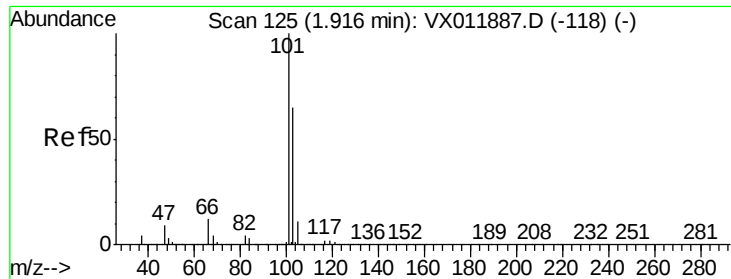
Tgt Ion: 64 Resp: 60124

Ion Ratio Lower Upper

64 100

66 32.8 25.0 37.4





#7

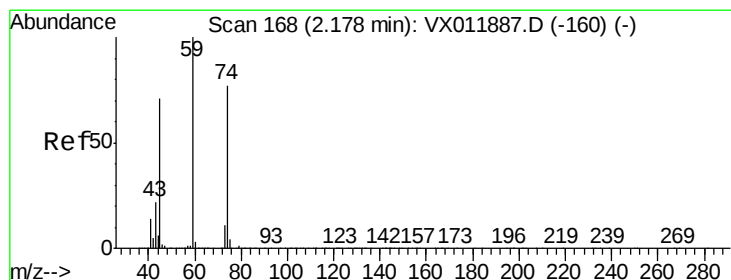
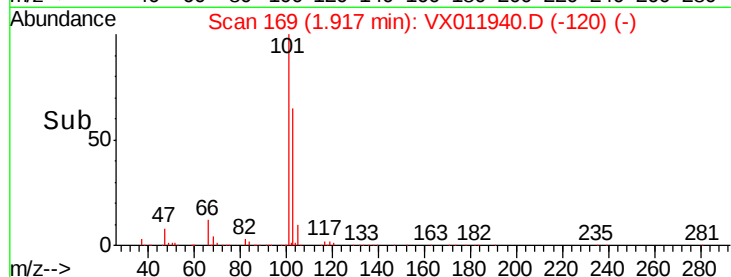
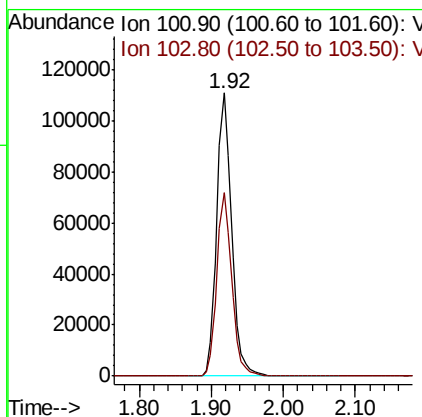
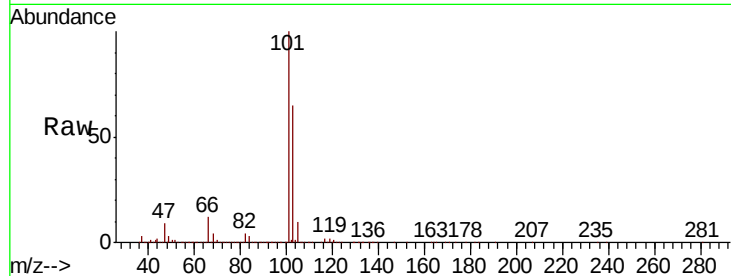
Trichlorofluoromethane
Concen: 50.227 ug/l
RT: 1.92 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX011940.D
Acq: 31 Aug 2019 07:27

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VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
101	100	158989		
103	64.6	51.6	77.4	

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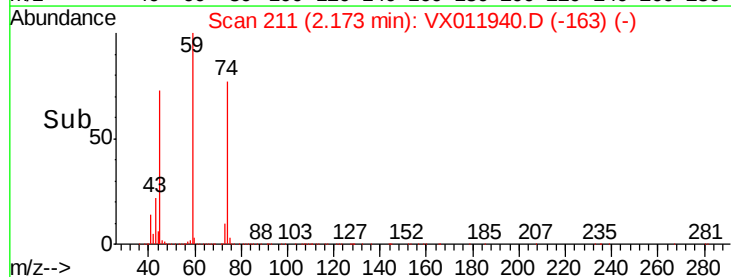
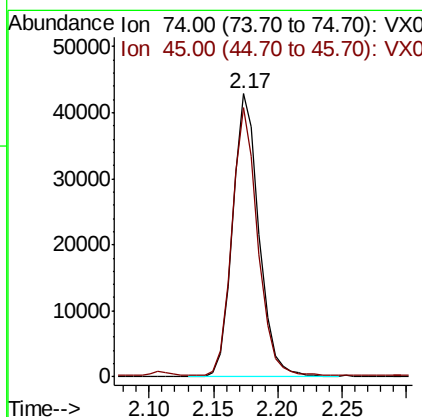
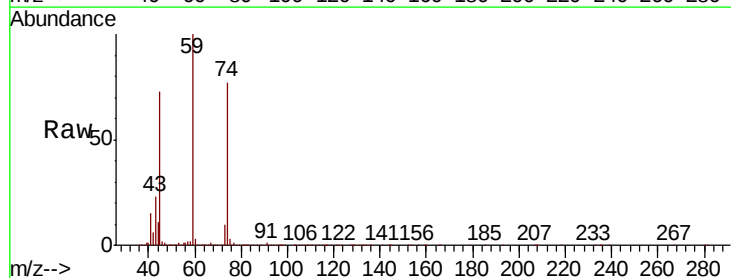
MMDadoda
9/3/2019 2:41:12 AM

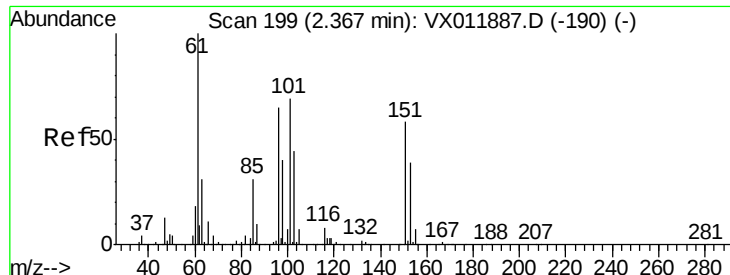


#8

Diethyl Ether
Concen: 55.672 ug/l
RT: 2.17 min Scan# 211
Delta R.T. -0.00 min
Lab File: VX011940.D
Acq: 31 Aug 2019 07:27

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	60562		
45	92.9	46.7	140.1	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.417 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.00 min

Lab File: VX011940.D

Acq: 31 Aug 2019 07:27

Instrument :

MSVOA_X

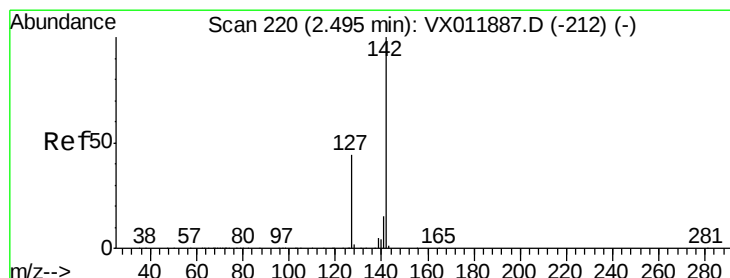
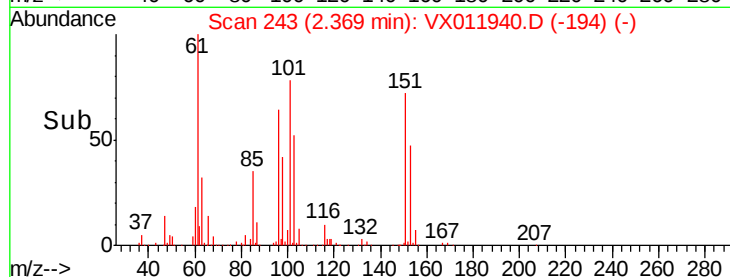
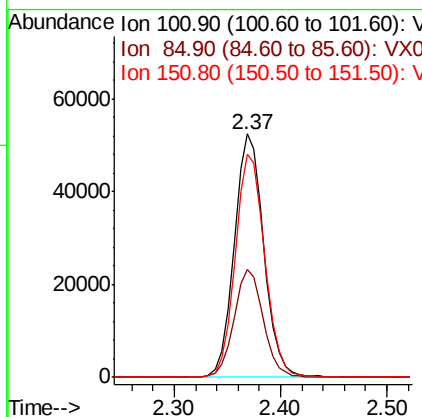
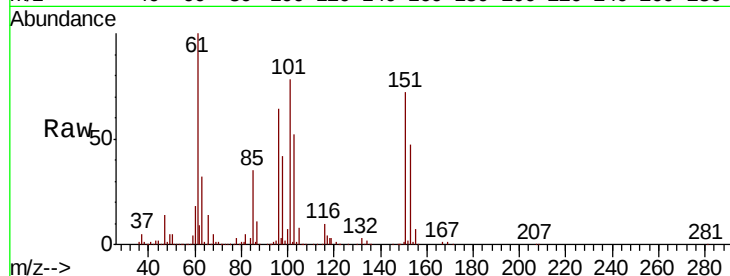
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	101948
Ion Ratio	Lower	Upper	
101	100		
85	43.6	34.9	52.3
151	92.0	70.9	106.3

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#10

Methyl Iodide

Concen: 40.782 ug/l

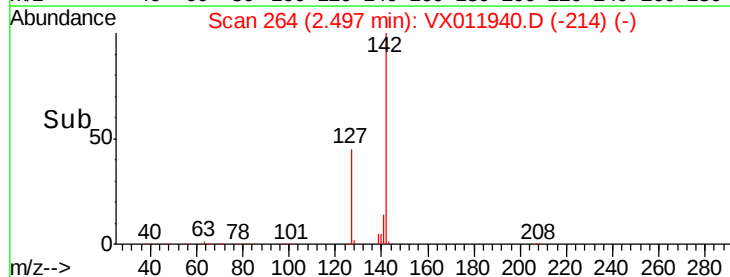
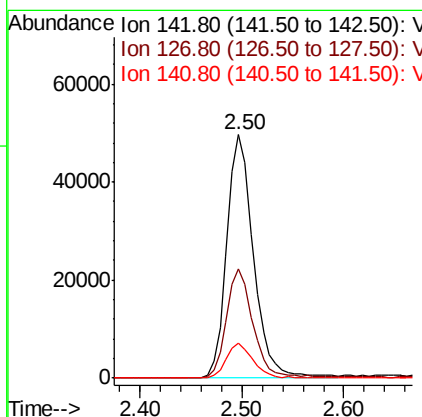
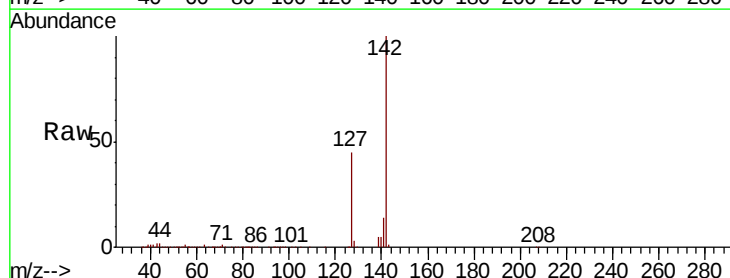
RT: 2.50 min Scan# 264

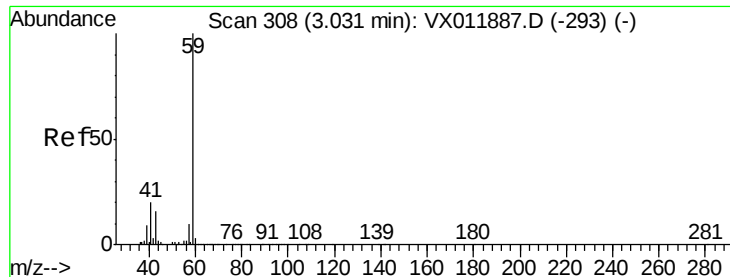
Delta R.T. 0.00 min

Lab File: VX011940.D

Acq: 31 Aug 2019 07:27

Tgt Ion:	142	Resp:	90209
Ion Ratio	Lower	Upper	
142	100		
127	44.2	35.7	53.5
141	14.2	11.8	17.6





#11

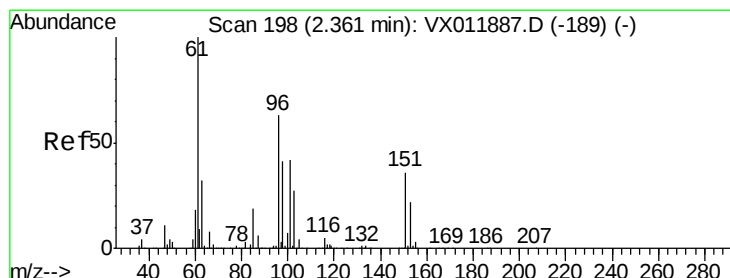
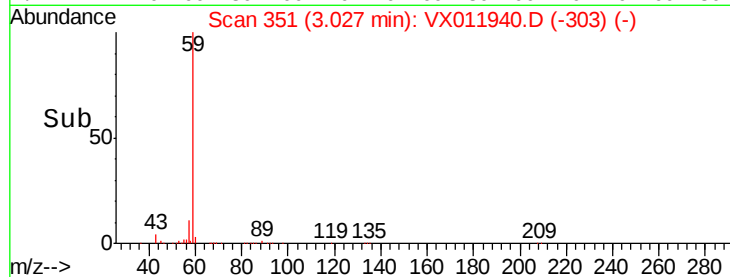
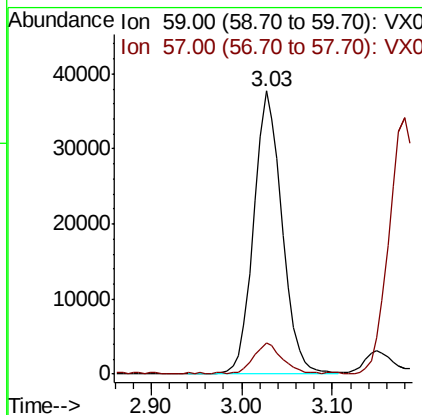
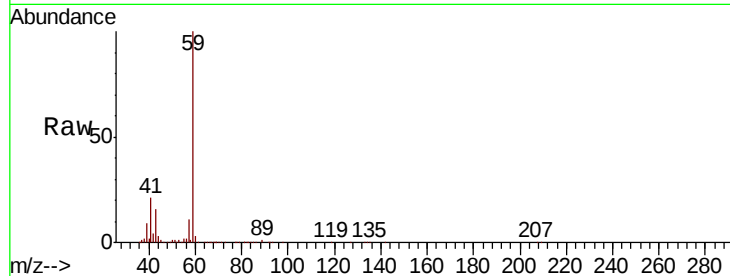
Tert butyl alcohol
 Concen: 325.190 ug/l
 RT: 3.03 min Scan# 351
 Delta R.T. -0.00 min
 Lab File: VX011940.D
 Acq: 31 Aug 2019 07:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
59	59	100		
57	57	10.5	8.6	12.8

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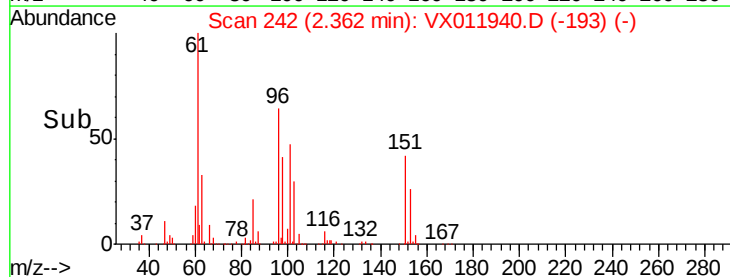
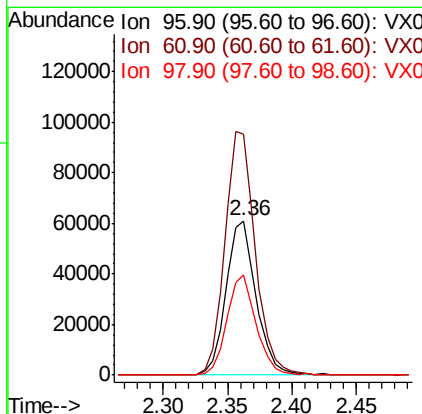
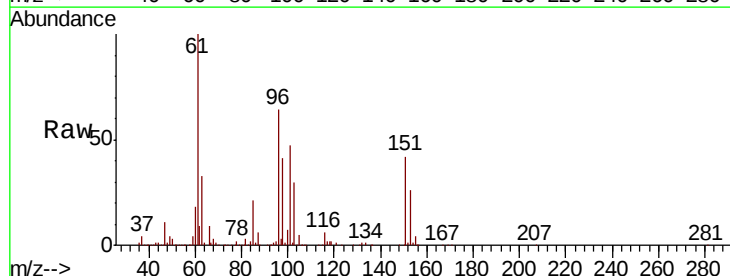
MMDadoda
 9/3/2019 2:41:12 AM

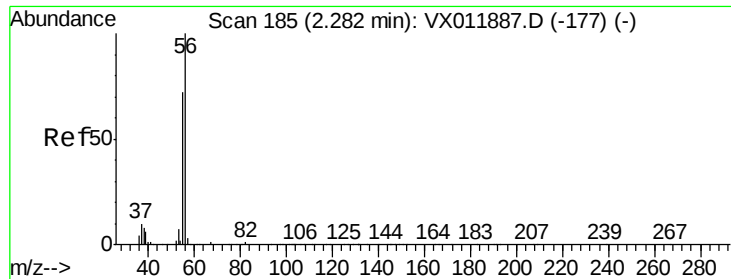


#12

1,1-Dichloroethene
 Concen: 51.786 ug/l
 RT: 2.36 min Scan# 242
 Delta R.T. 0.00 min
 Lab File: VX011940.D
 Acq: 31 Aug 2019 07:27

Tgt Ion	Ion	Ratio	Lower	Upper
96	96	100		
61	61	156.9	126.6	190.0
98	98	64.6	51.6	77.4





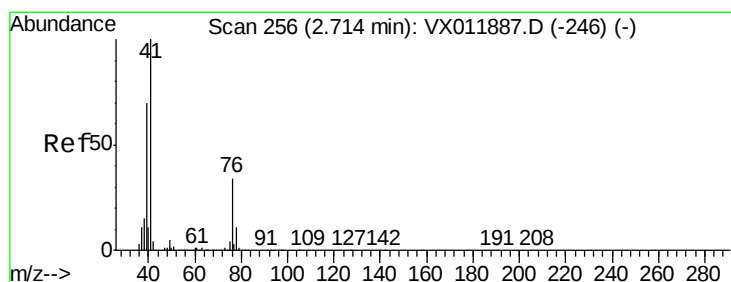
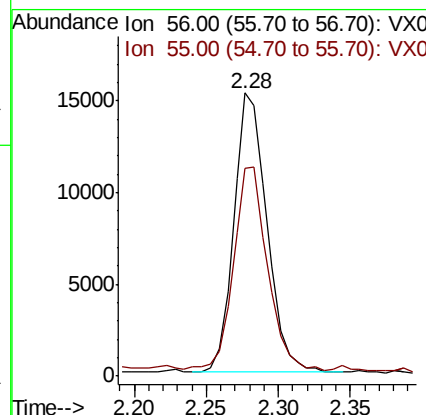
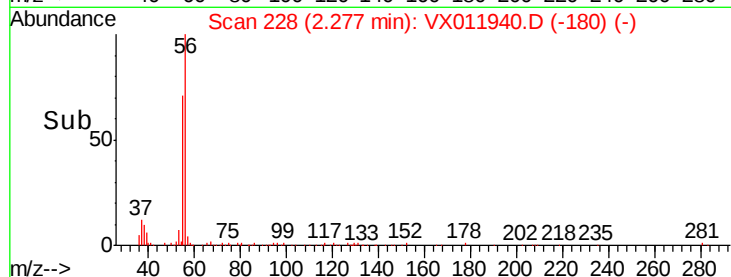
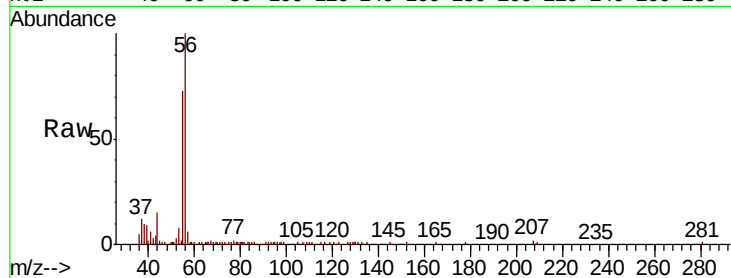
#13
Acrolein
Concen: 194.874 ug/l
RT: 2.28 min Scan# 228
Delta R.T. -0.00 min
Lab File: VX011940.D
Acq: 31 Aug 2019 07:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
55	75.3	58.6	88.0

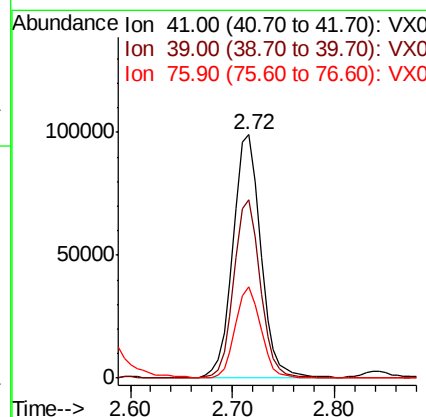
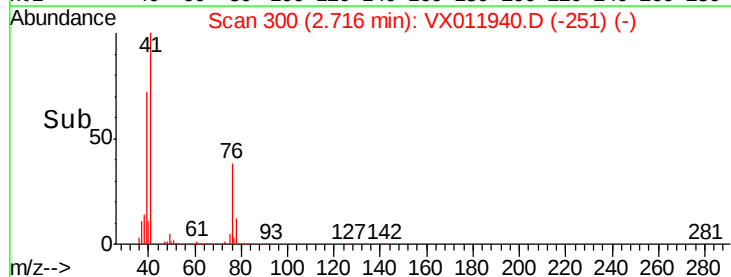
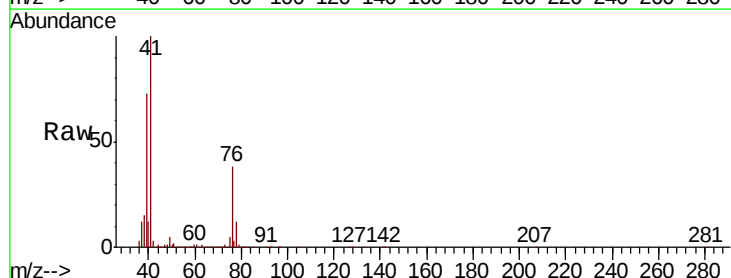
Manual Integrations
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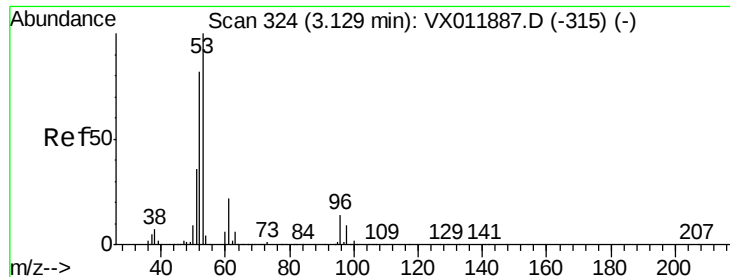
MMDadoda
9/3/2019 2:41:12 AM



#14
Allyl chloride
Concen: 52.112 ug/l
RT: 2.72 min Scan# 300
Delta R.T. 0.00 min
Lab File: VX011940.D
Acq: 31 Aug 2019 07:27

Tgt Ion	Ratio	Lower	Upper
41	100		
39	69.0	55.0	82.6
76	34.2	27.0	40.4





#15

Acrylonitrile

Concen: 321.415 ug/l

RT: 3.12 min Scan# 367

Delta R.T. -0.00 min

Lab File: VX011940.D

Acq: 31 Aug 2019 07:27

Instrument :

MSVOA_X

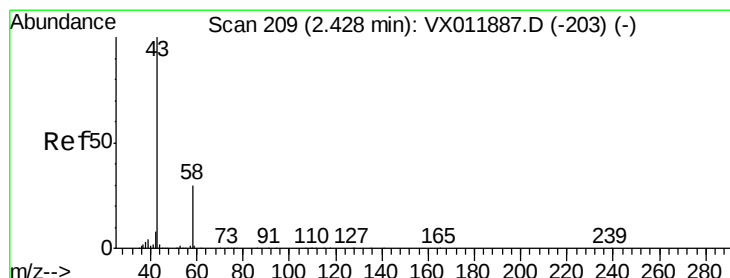
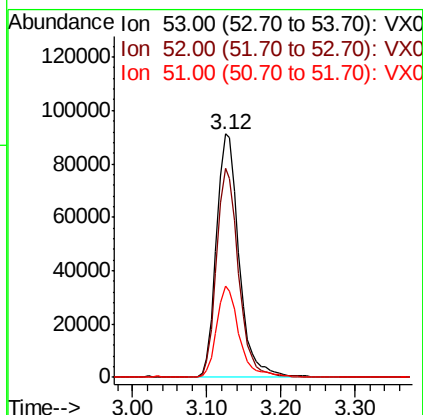
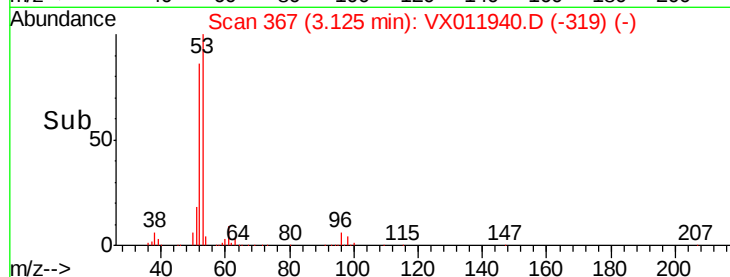
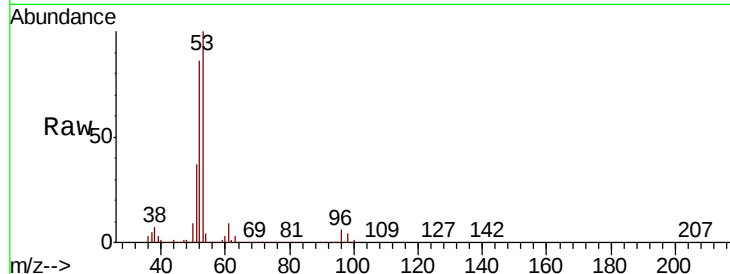
ClientSampleId :

VSTDCCC050EC

Tot Ion	53	Resp	192057
Ion Ratio	Lower	Upper	
53	100		
52	83.8	65.3	97.9
51	37.1	29.4	44.2

Manual Integrations
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MMDadoda
9/3/2019 2:41:12 AM



#16

Acetone

Concen: 288.493 ug/l

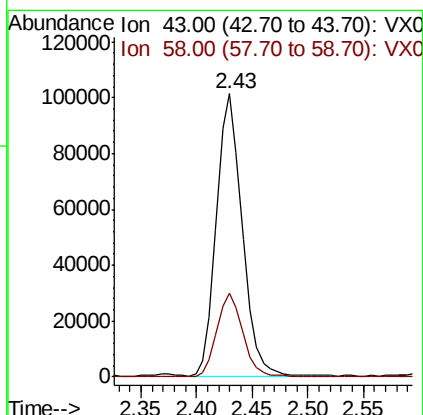
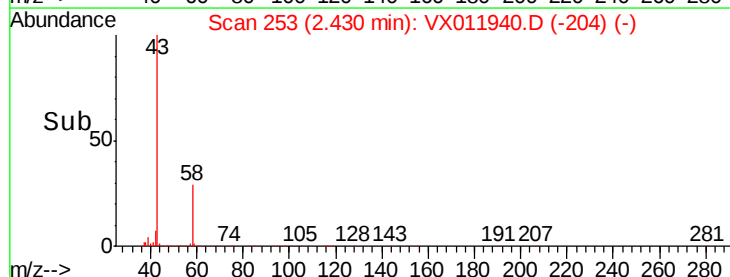
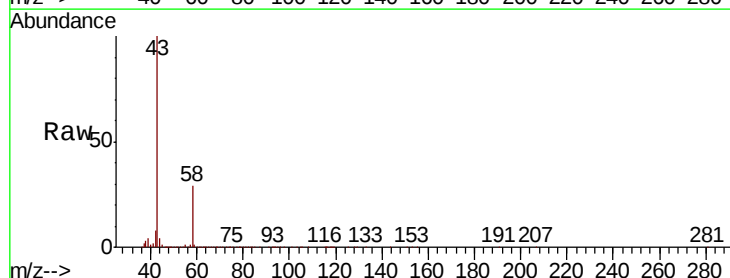
RT: 2.43 min Scan# 253

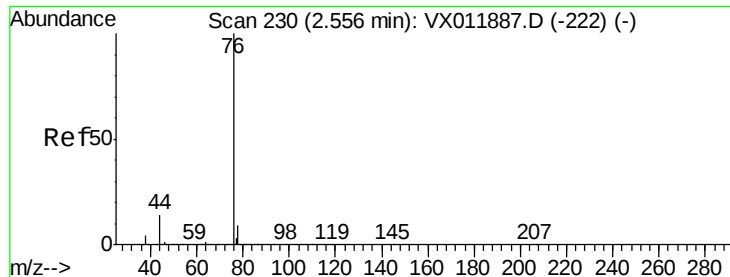
Delta R.T. 0.00 min

Lab File: VX011940.D

Acq: 31 Aug 2019 07:27

Tgt Ion	43	Resp	162241
Ion Ratio	Lower	Upper	
43	100		
58	29.5	23.8	35.8





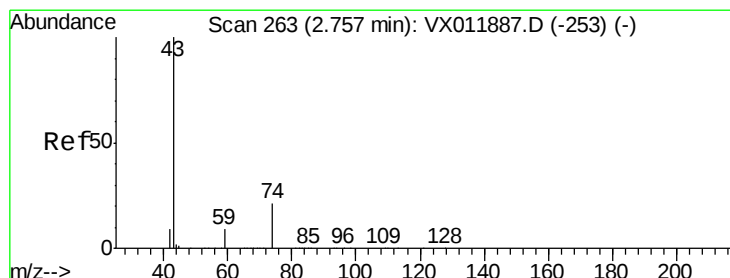
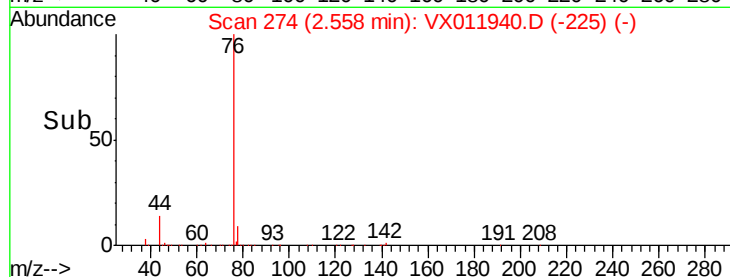
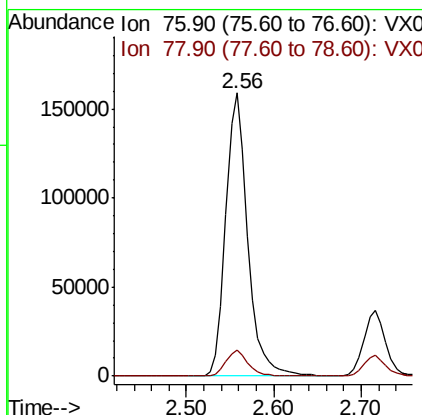
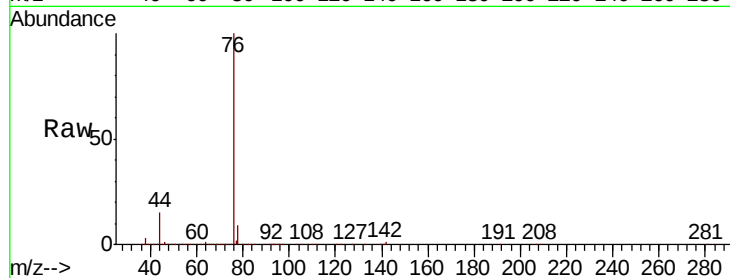
#17
Carbon Disulfide
Concen: 50.393 ug/l
RT: 2.56 min Scan# 274
Delta R.T. 0.00 min
Lab File: VX011940.D
Acq: 31 Aug 2019 07:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.3	10.9

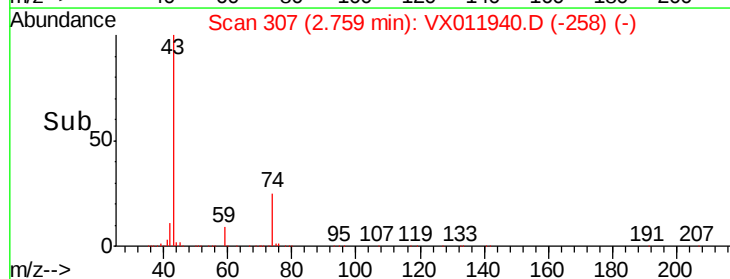
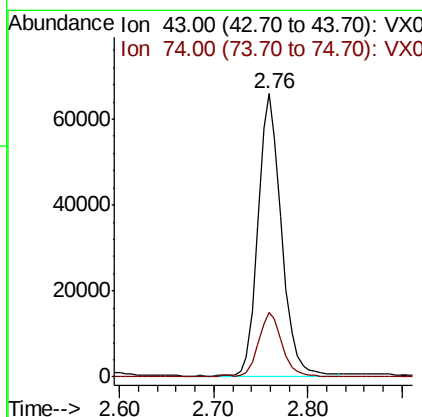
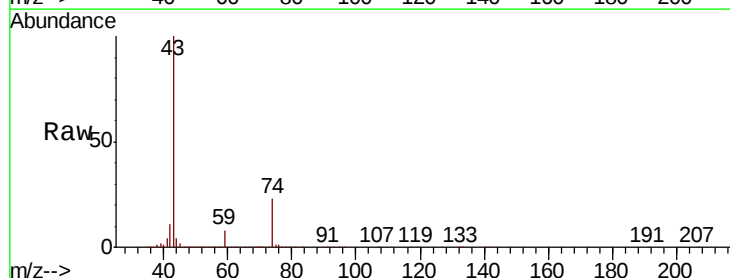
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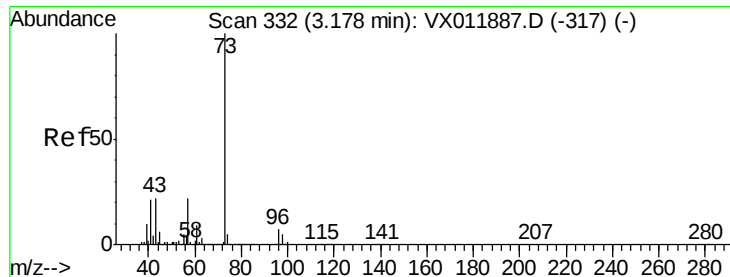
MMDadoda
9/3/2019 2:41:12 AM



#18
Methyl Acetate
Concen: 73.678 ug/l
RT: 2.76 min Scan# 307
Delta R.T. 0.00 min
Lab File: VX011940.D
Acq: 31 Aug 2019 07:27

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.6	18.4	27.6





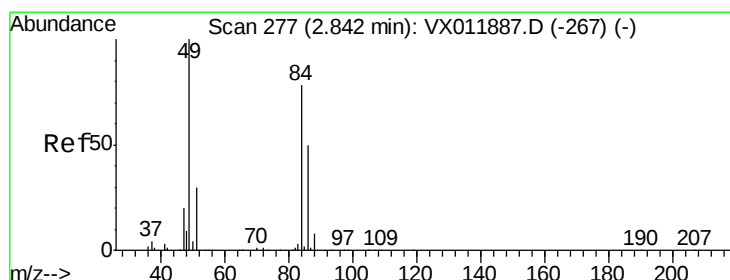
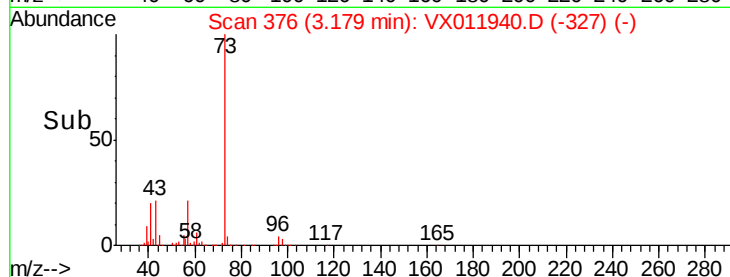
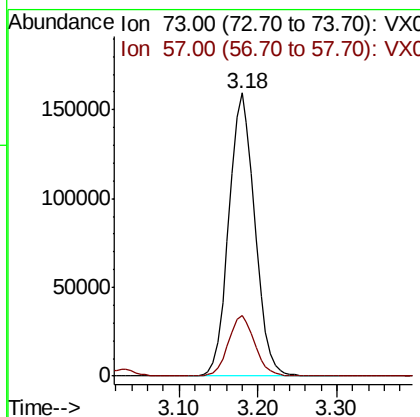
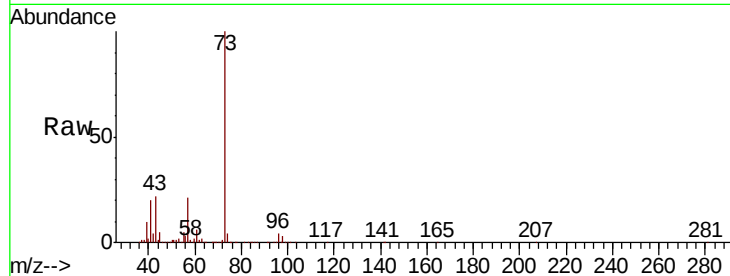
#19
Methvl tert-butvl Ether
Concen: 58.836 ug/l
RT: 3.18 min Scan# 376
Delta R.T. 0.00 min
Lab File: VX011940.D
Acq: 31 Aug 2019 07:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.4	17.4	26.0

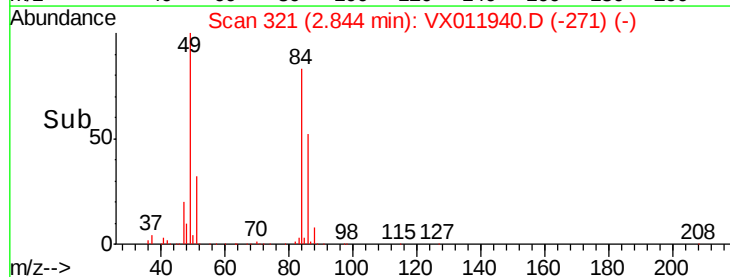
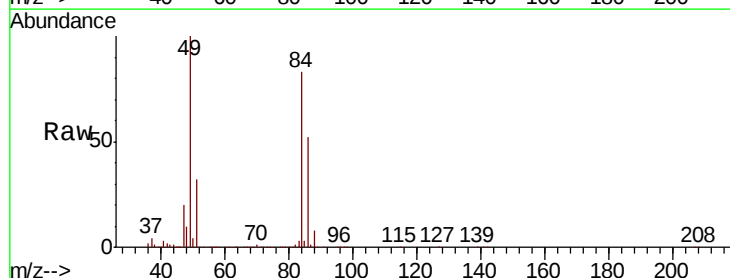
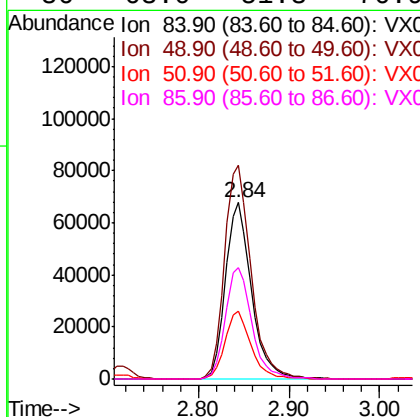
Manual Integrations
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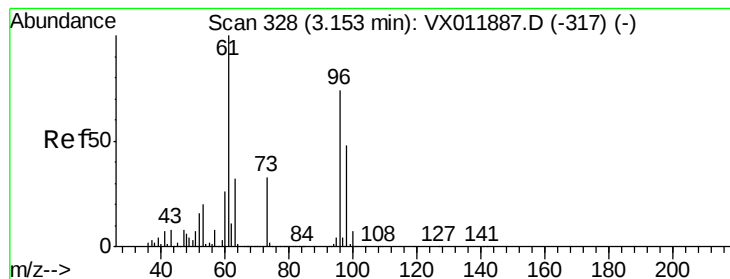
MMDadoda
9/3/2019 2:41:12 AM



#20
Methylene Chloride
Concen: 56.978 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX011940.D
Acq: 31 Aug 2019 07:27

Tgt Ion	Ratio	Lower	Upper
84	100		
49	120.9	103.0	154.4
51	38.2	30.8	46.2
86	63.0	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 53.972 ug/l

RT: 3.15 min Scan# 371

Delta R.T. -0.00 min

Lab File: VX011940.D

Acq: 31 Aug 2019 07:27

Instrument :

MSVOA_X

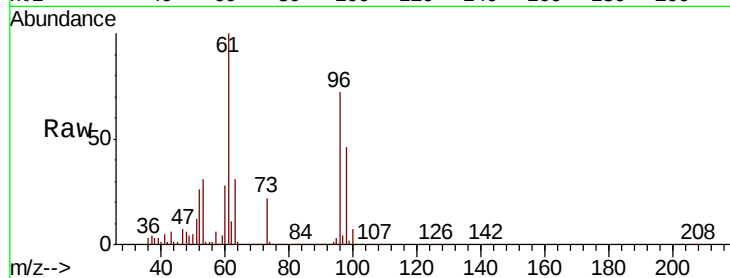
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	121816
Ion	Ratio	Lower	Upper
96	100		
61	138.2	107.4	161.2
98	63.9	51.4	77.2

Manual Integrations
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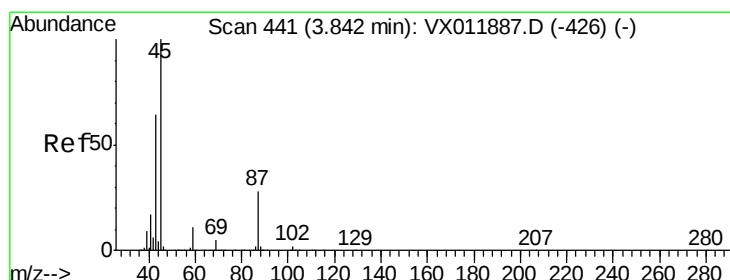
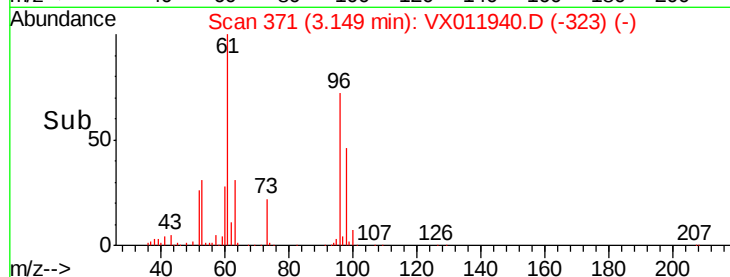
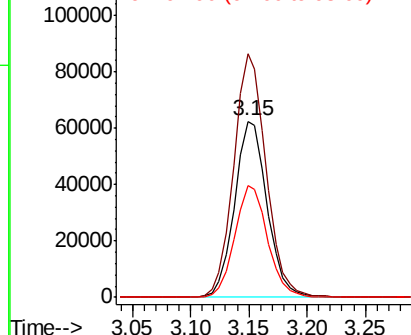


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 56.050 ug/l

RT: 3.84 min Scan# 484

Delta R.T. -0.00 min

Lab File: VX011940.D

Acq: 31 Aug 2019 07:27

Tgt Ion:	45	Resp:	411268
Ion	Ratio	Lower	Upper
45	100		
43	68.1	51.0	76.6
87	27.6	22.0	33.0
59	11.1	9.1	13.7

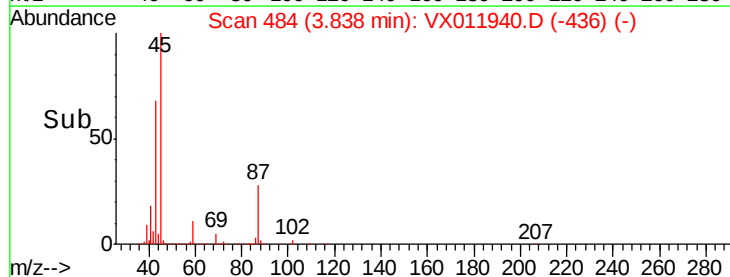
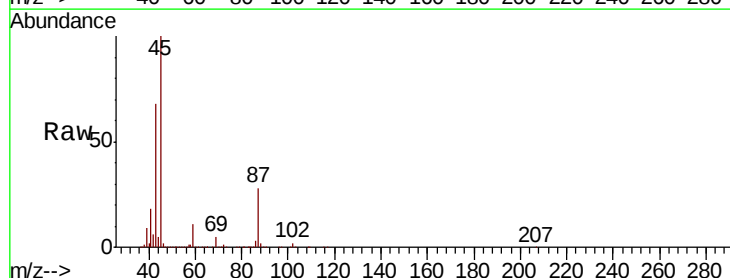
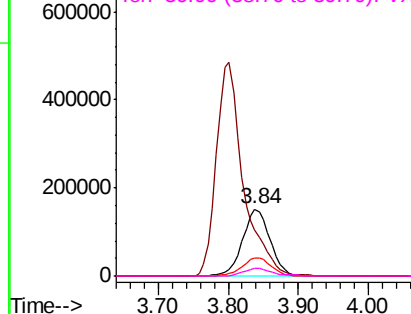
Abundance

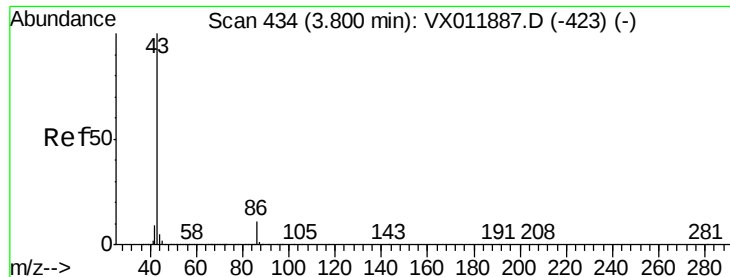
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 275.815 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX011940.D

Acq: 31 Aug 2019 07:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1301163

Ion Ratio Lower Upper

43 100

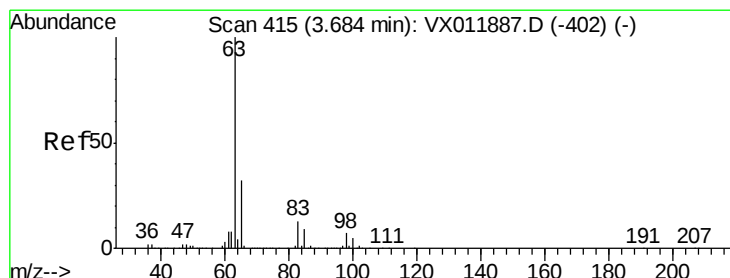
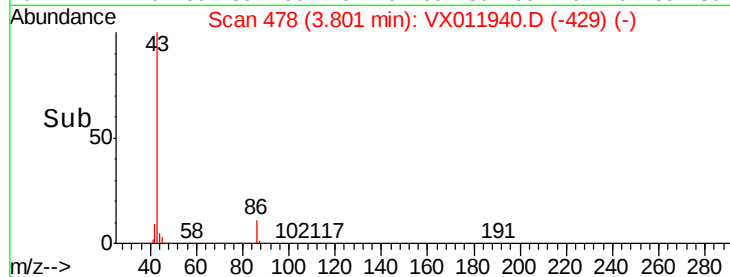
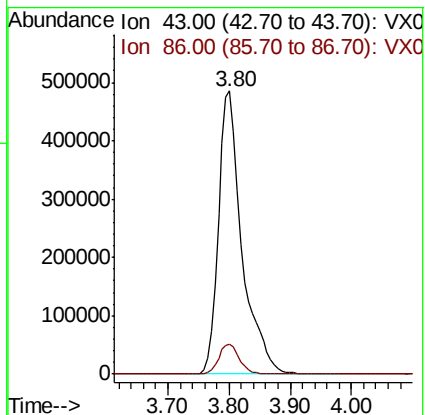
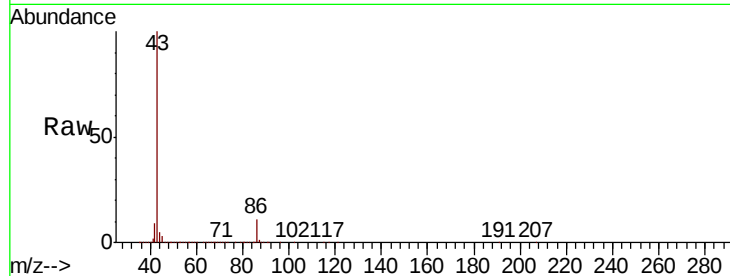
86 10.6 8.6 12.8

Manual Integrations

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MMDadoda

9/3/2019 2:41:12 AM



#24

1,1-Dichloroethane

Concen: 55.406 ug/l

RT: 3.68 min Scan# 458

Delta R.T. -0.00 min

Lab File: VX011940.D

Acq: 31 Aug 2019 07:27

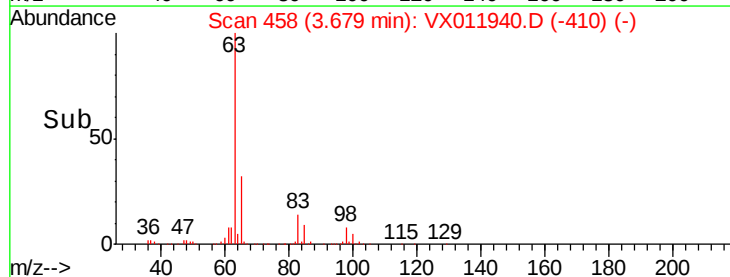
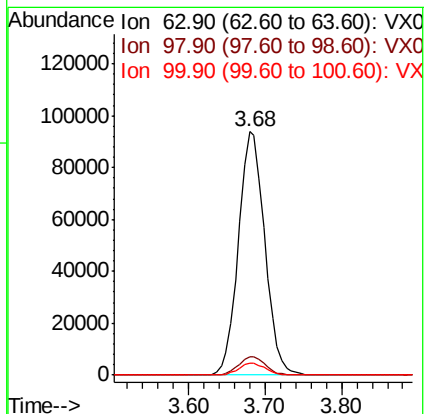
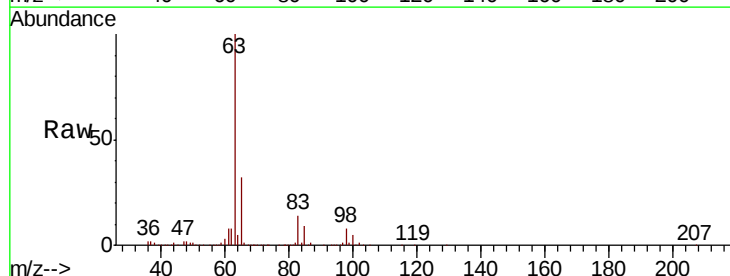
Tgt Ion: 63 Resp: 224190

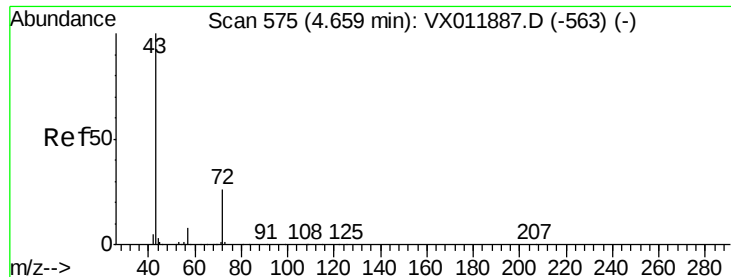
Ion Ratio Lower Upper

63 100

98 7.8 3.8 11.2

100 4.9 2.4 7.2





#25

2-Butanone

Concen: 320.879 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.00 min

Lab File: VX011940.D

Acq: 31 Aug 2019 07:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 262824

Ion Ratio Lower Upper

43 100

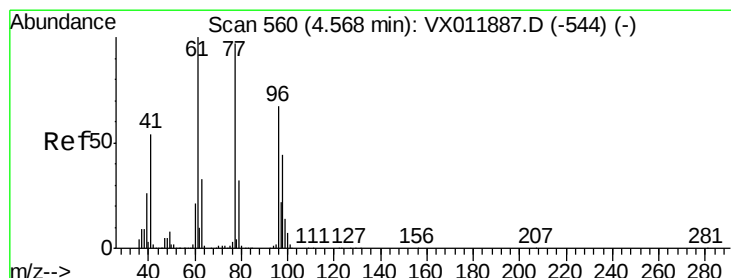
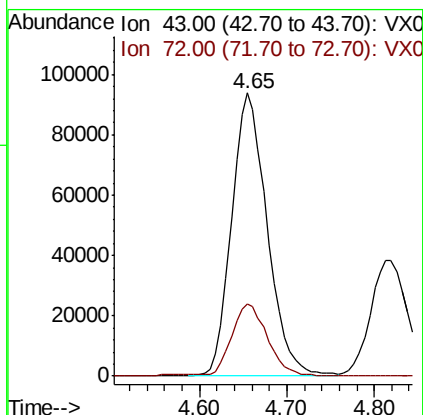
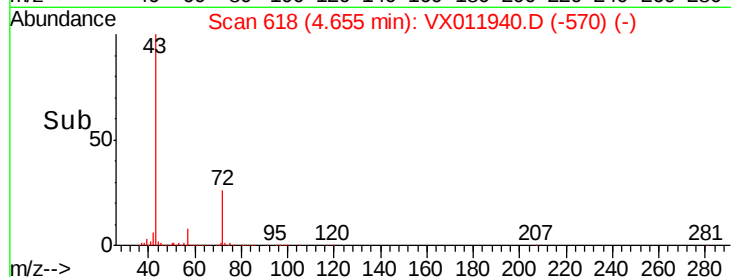
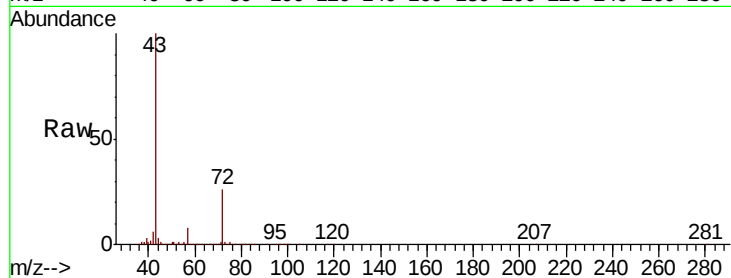
72 25.6 21.0 31.4

Manual Integrations

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MMDadoda

9/3/2019 2:41:12 AM



#26

2,2-Dichloropropane

Concen: 42.466 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX011940.D

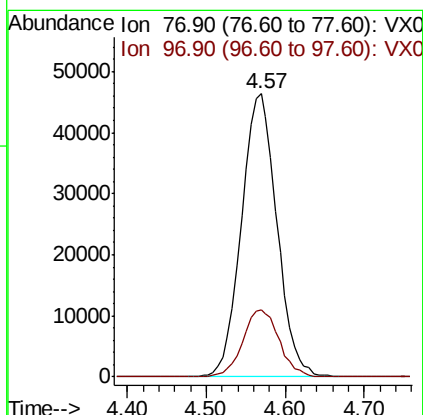
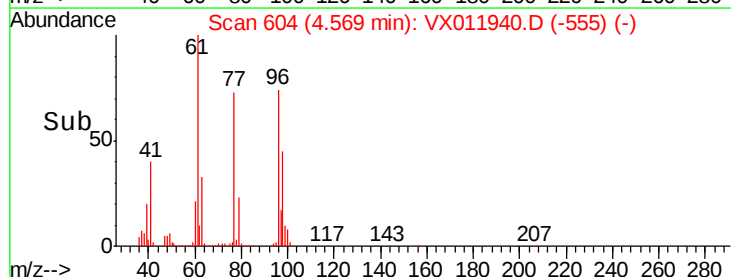
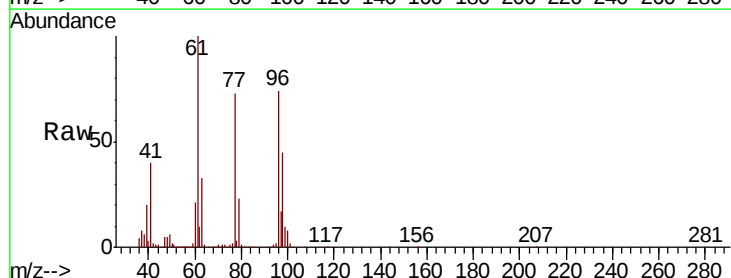
Acq: 31 Aug 2019 07:27

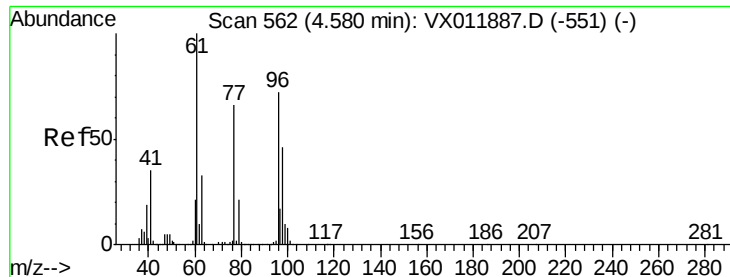
Tgt Ion: 77 Resp: 144117

Ion Ratio Lower Upper

77 100

97 24.5 11.7 35.1





#27

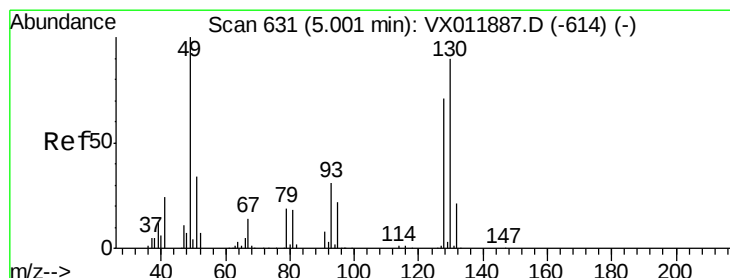
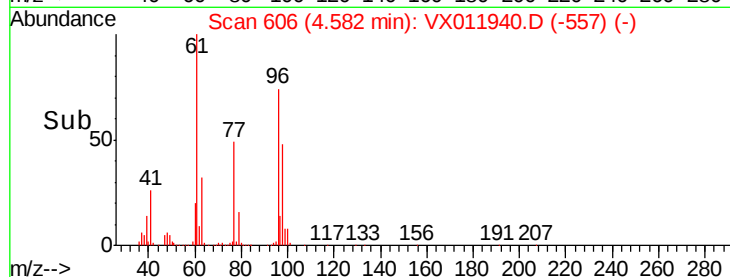
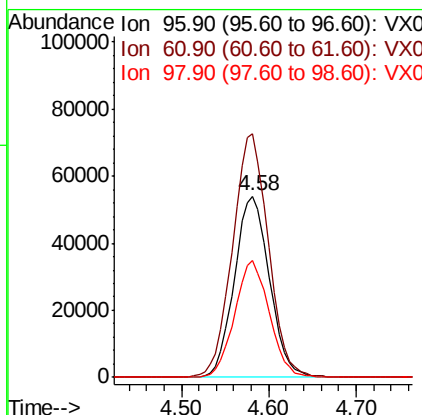
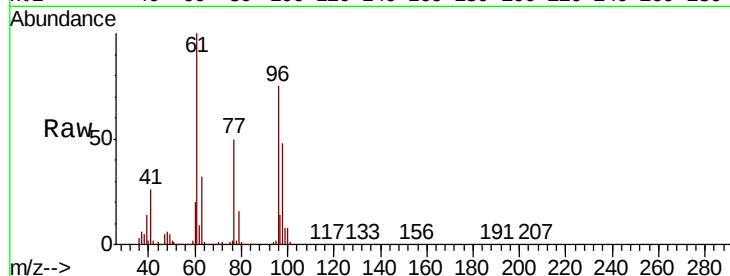
cis-1,2-Dichloroethene
Concen: 56.531 ug/l
RT: 4.58 min Scan# 606
Delta R.T. 0.00 min
Lab File: VX011940.D
Acq: 31 Aug 2019 07:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	150291		
61	137.6	0.0	283.8	
98	63.9	0.0	131.2	

Manual Integrations
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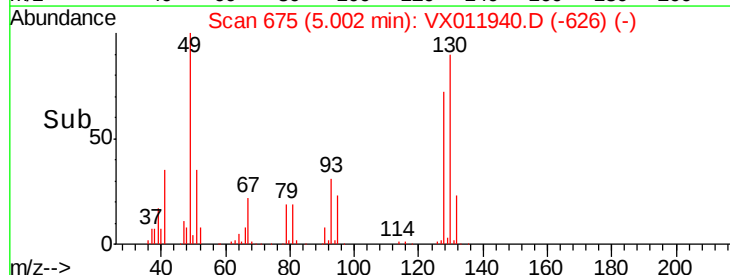
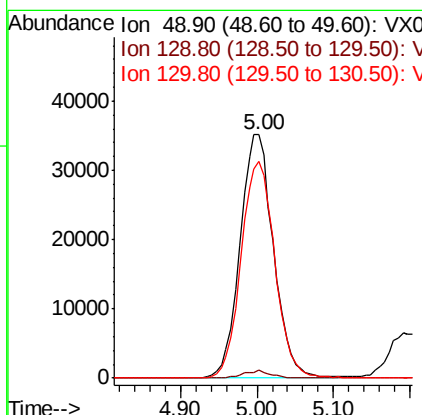
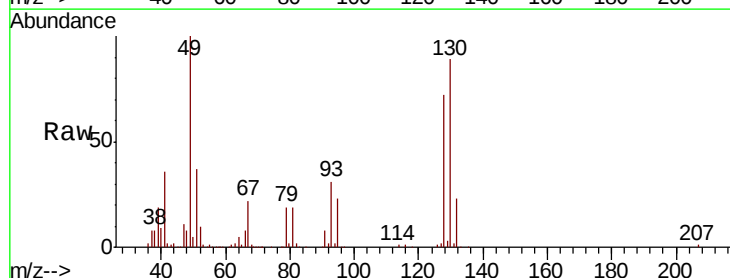
MMDadoda
9/3/2019 2:41:12 AM

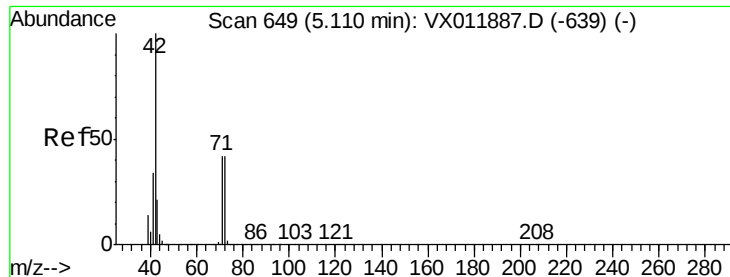


#28

Bromochloromethane
Concen: 58.882 ug/l
RT: 5.00 min Scan# 675
Delta R.T. 0.00 min
Lab File: VX011940.D
Acq: 31 Aug 2019 07:27

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	106908		
129	2.5	0.0	4.8	
130	89.7	70.6	105.8	





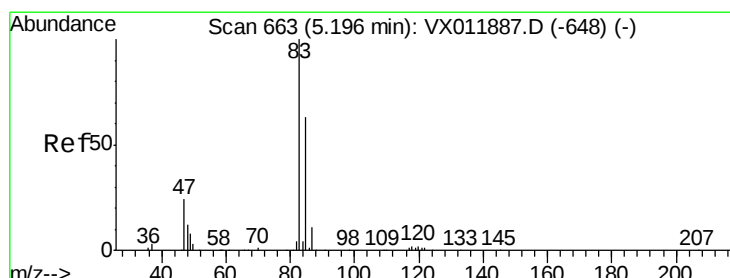
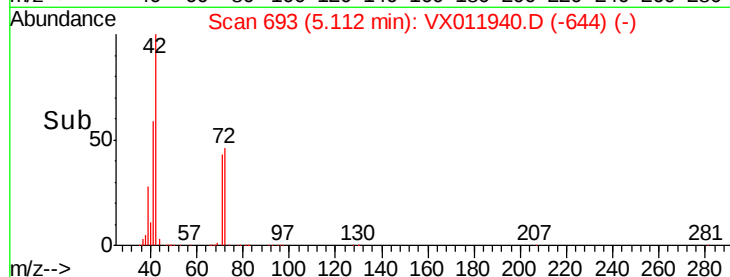
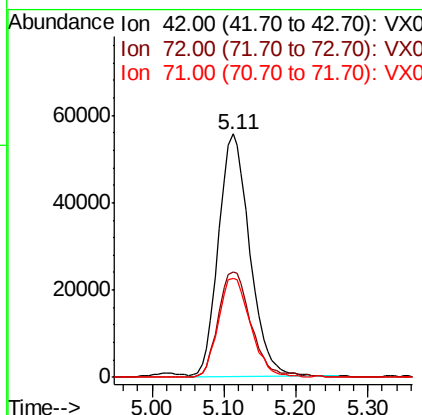
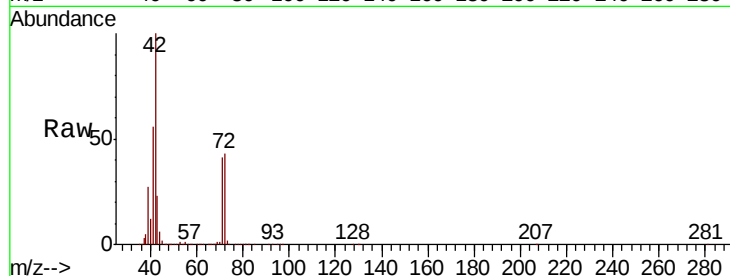
#29
Tetrahydrofuran
Concen: 328.925 ug/l
RT: 5.11 min Scan# 693
Delta R.T. 0.00 min
Lab File: VX011940.D
Acq: 31 Aug 2019 07:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.3	36.2	54.4
71	41.5	33.1	49.7

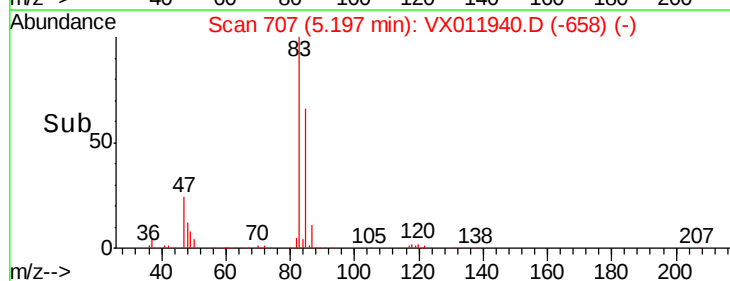
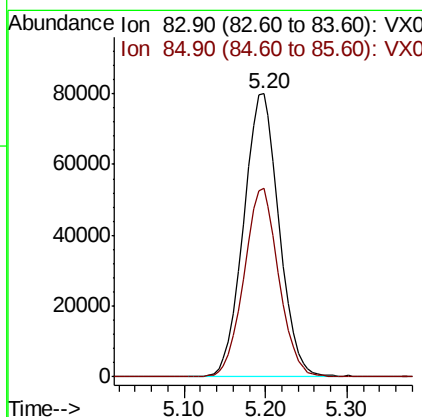
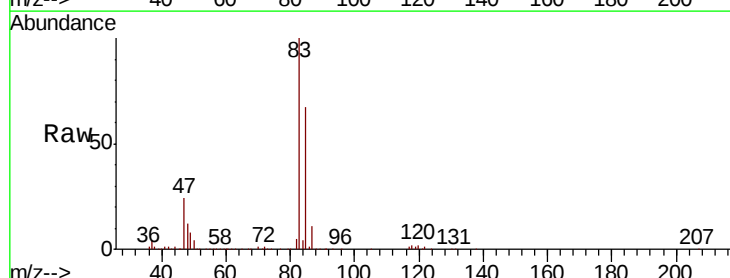
Manual Integrations
APPROVED

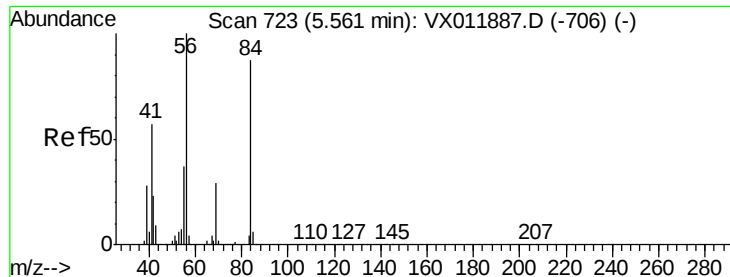
MMDadoda
9/3/2019 2:41:12 AM



#30
Chloroform
Concen: 55.888 ug/l
RT: 5.20 min Scan# 707
Delta R.T. 0.00 min
Lab File: VX011940.D
Acq: 31 Aug 2019 07:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.5	50.6	75.8





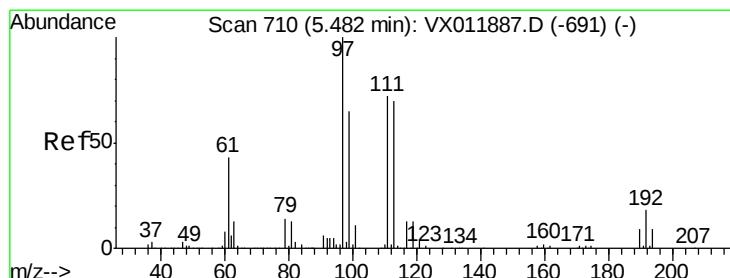
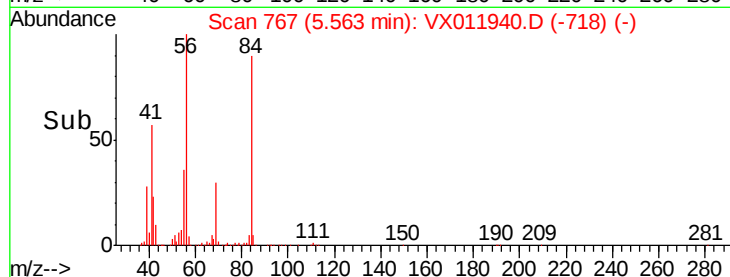
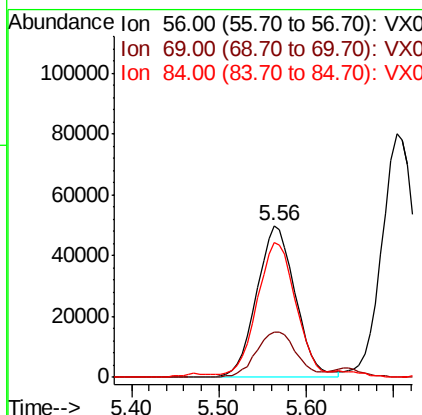
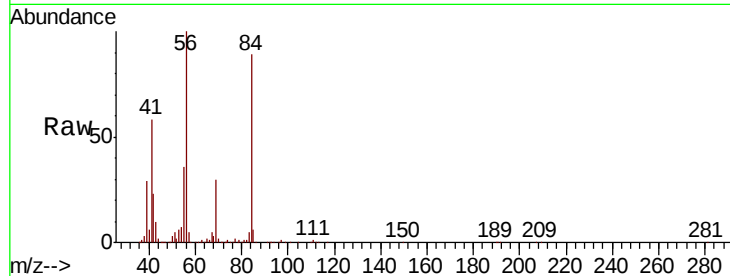
#31
Cyclohexane
Concen: 47.382 ug/l
RT: 5.56 min Scan# 767
Delta R.T. 0.00 min
Lab File: VX011940.D
Acq: 31 Aug 2019 07:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.4	23.1	34.7
84	87.4	69.6	104.4

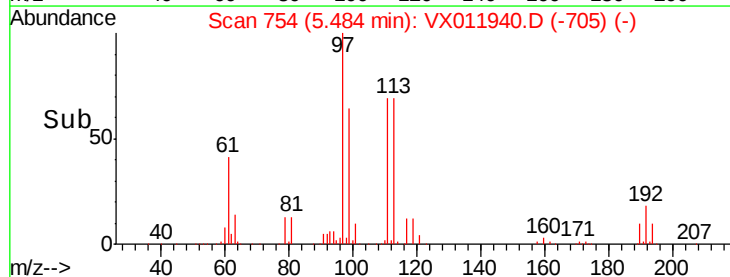
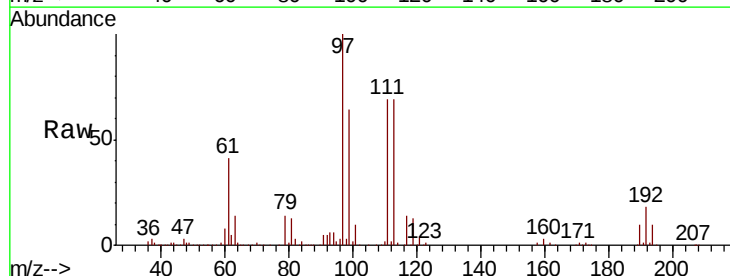
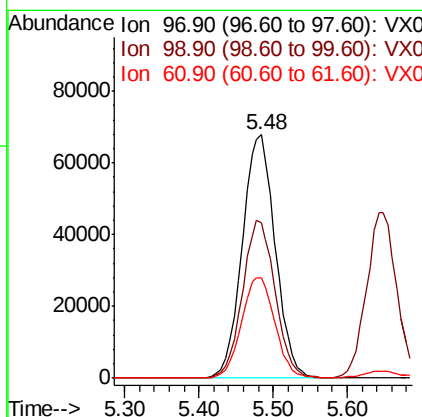
Manual Integrations
APPROVED

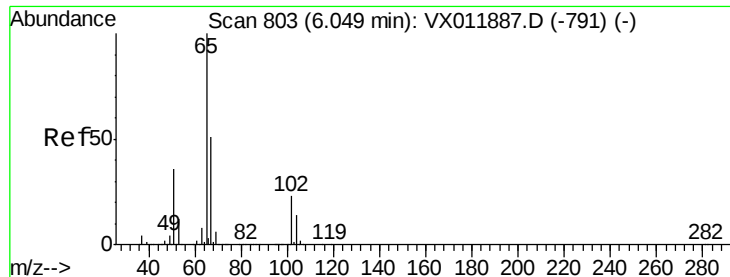
MMDadoda
9/3/2019 2:41:12 AM



#32
1,1,1-Trichloroethane
Concen: 54.893 ug/l
RT: 5.48 min Scan# 754
Delta R.T. 0.00 min
Lab File: VX011940.D
Acq: 31 Aug 2019 07:27

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.8	77.8
61	42.0	33.8	50.6





#33

1,2-Dichloroethane-d4

Concen: 55.973 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX011940.D

Acq: 31 Aug 2019 07:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 146300

Ion Ratio Lower Upper

65 100

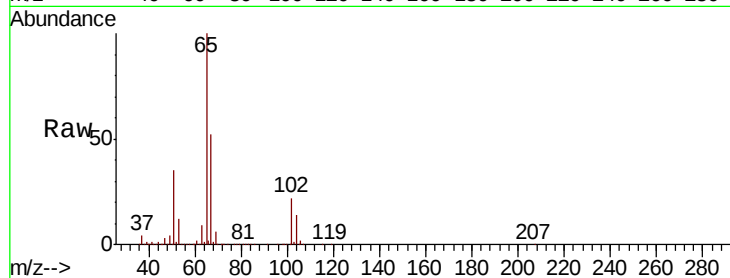
67 51.2 0.0 102.2

Manual Integrations

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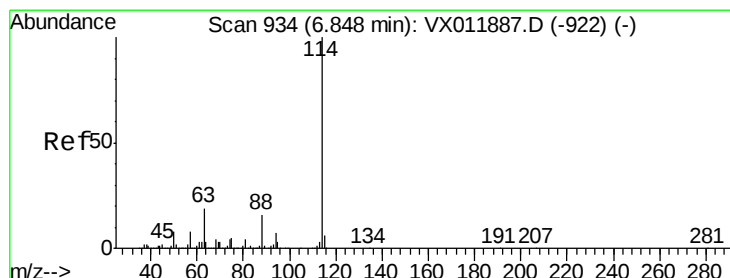
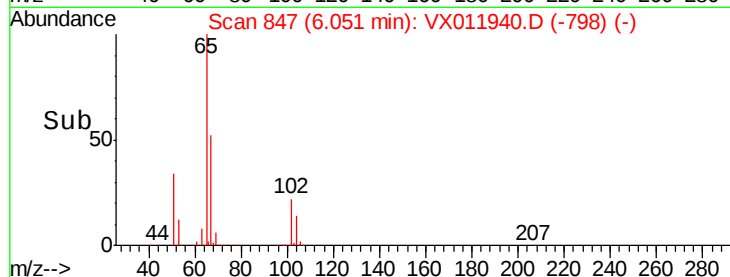
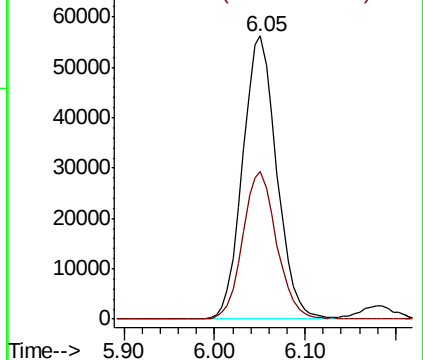
MMDadoda

9/3/2019 2:41:12 AM



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX011940.D

Acq: 31 Aug 2019 07:27

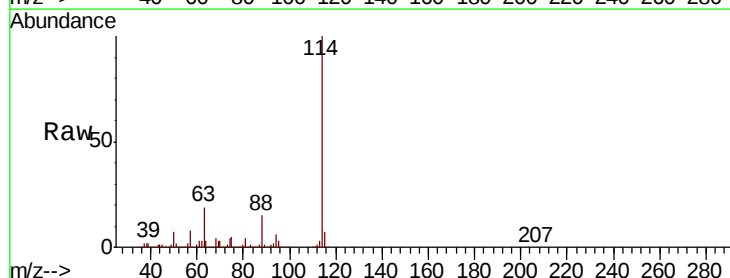
Tgt Ion: 114 Resp: 397027

Ion Ratio Lower Upper

114 100

63 19.2 0.0 38.8

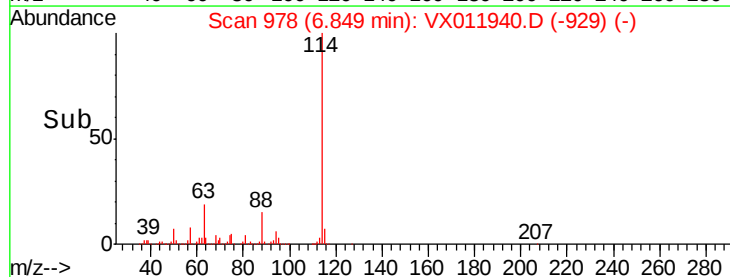
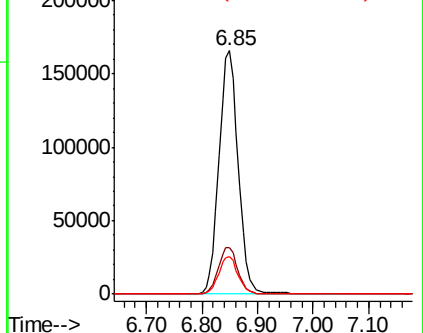
88 15.2 0.0 31.2

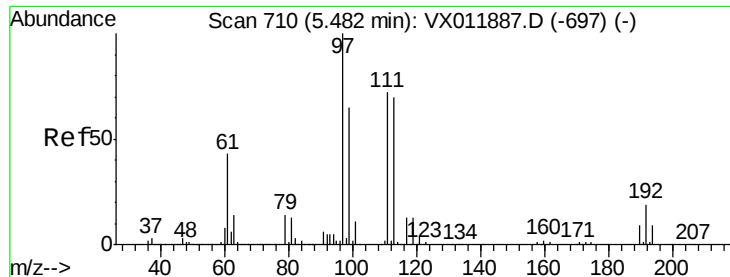


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





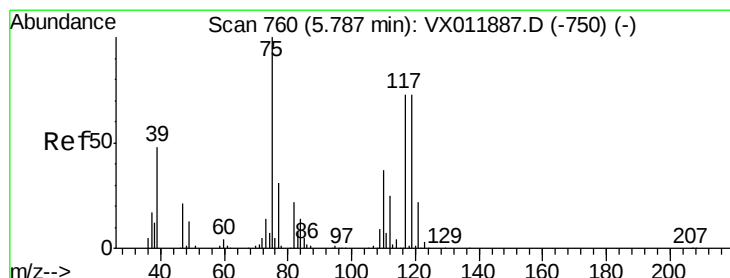
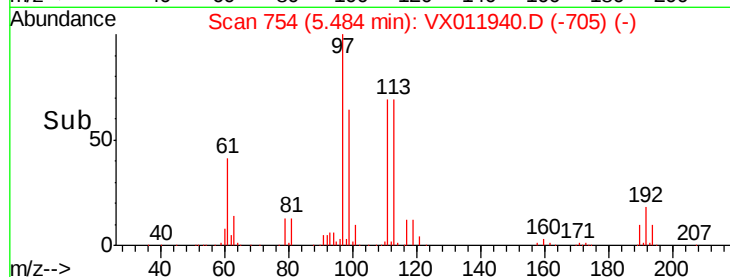
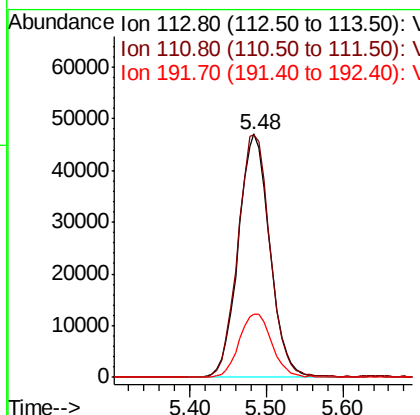
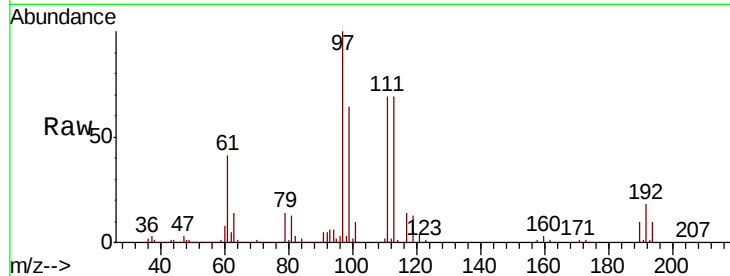
#35
 Dibromofluoromethane
 Concen: 52.754 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. 0.00 min
 Lab File: VX011940.D
 Acq: 31 Aug 2019 07:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.1	123.1
192	27.0	21.5	32.3

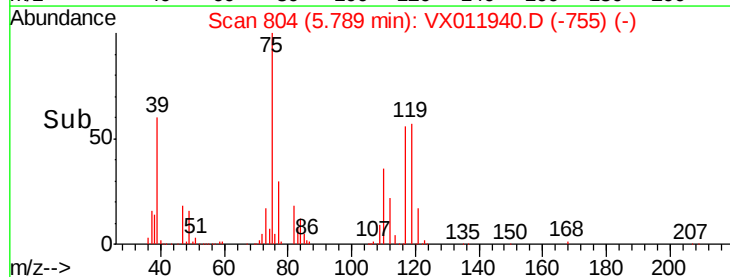
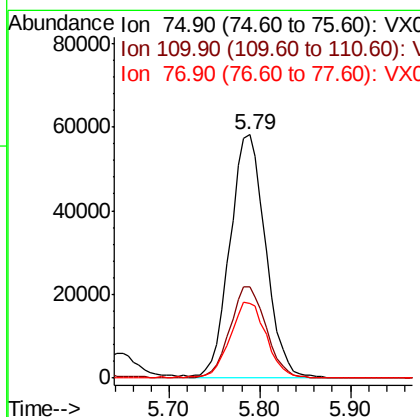
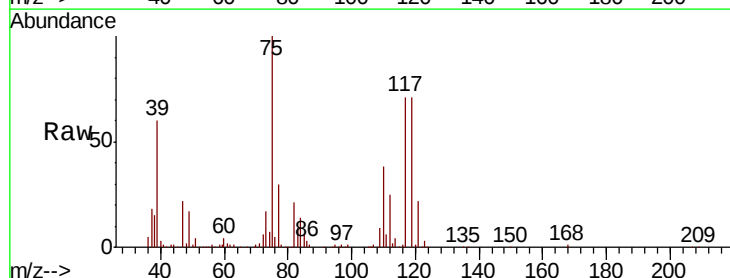
Manual Integrations
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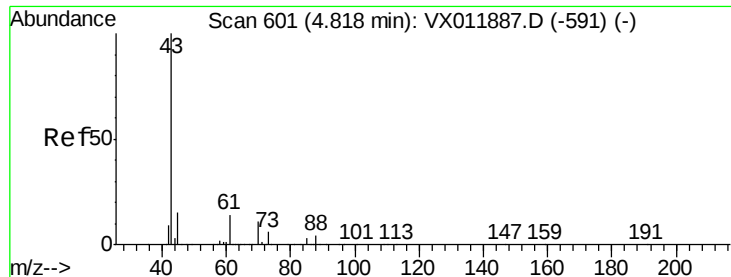
MMDadoda
 9/3/2019 2:41:12 AM



#36
 1,1-Dichloropropene
 Concen: 50.094 ug/l
 RT: 5.79 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX011940.D
 Acq: 31 Aug 2019 07:27

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.2	19.1	57.3
77	31.5	24.4	36.6





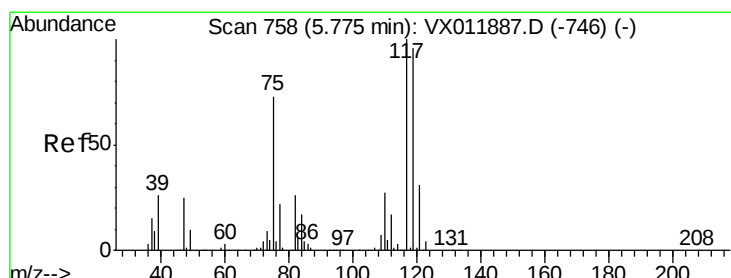
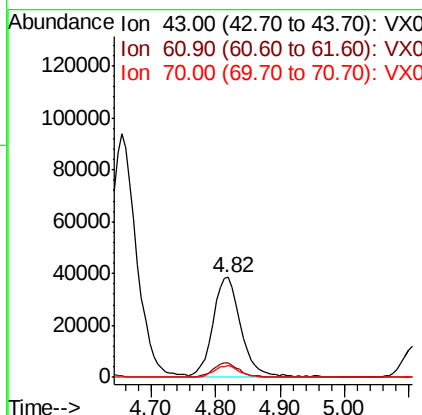
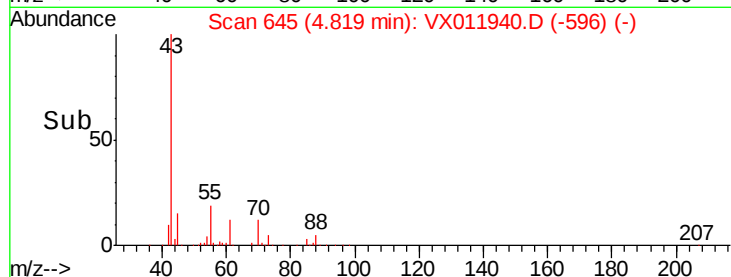
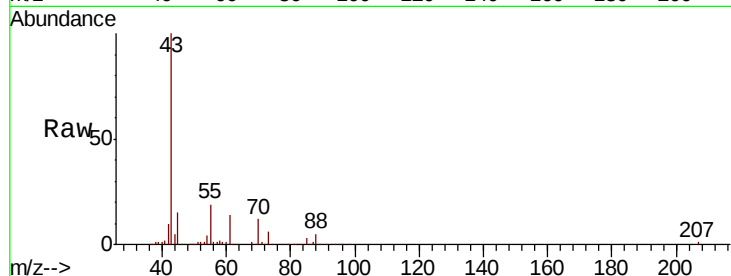
#37
Ethyl Acetate
Concen: 61.931 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.00 min
Lab File: VX011940.D
Acq: 31 Aug 2019 07:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	11.0	16.4
70	11.6	9.2	13.8

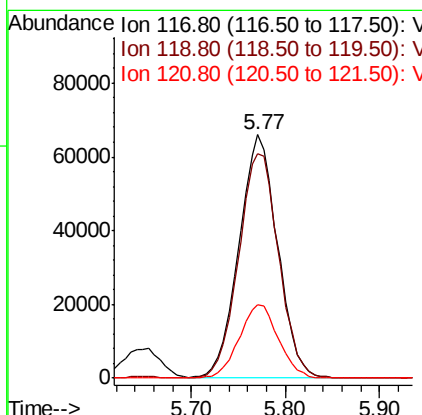
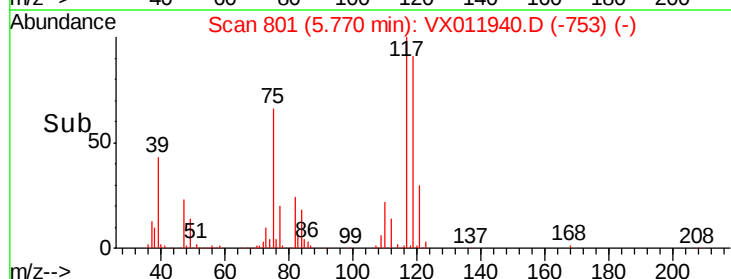
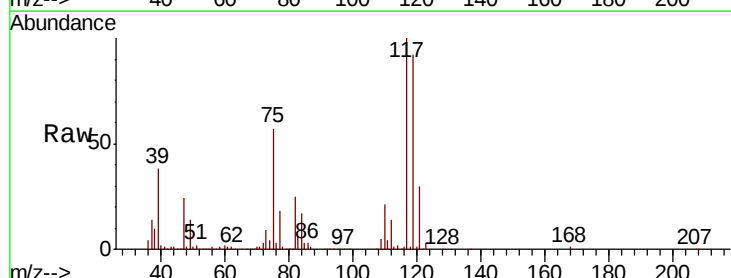
Manual Integrations
APPROVED

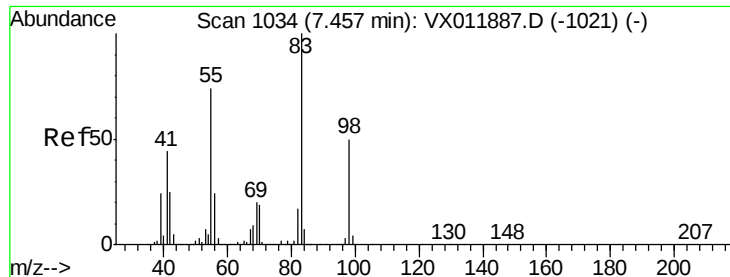
MMDadoda
9/3/2019 2:41:12 AM



#38
Carbon Tetrachloride
Concen: 51.584 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.00 min
Lab File: VX011940.D
Acq: 31 Aug 2019 07:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.1	76.6	114.8
121	30.3	24.7	37.1





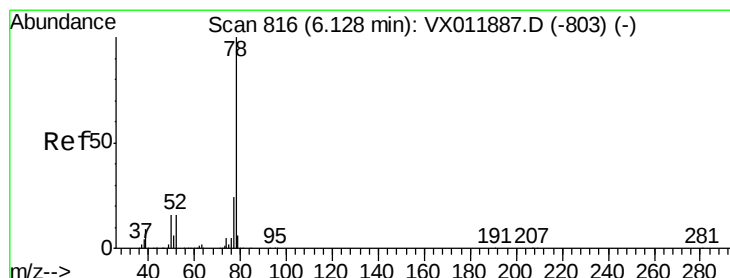
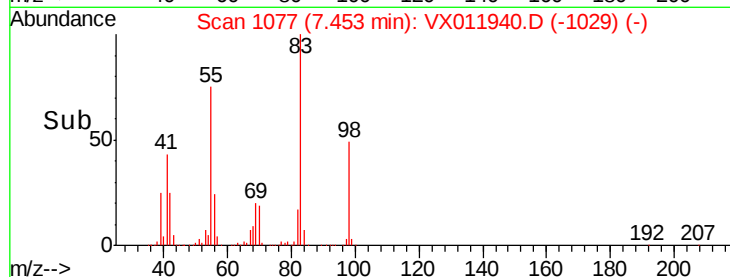
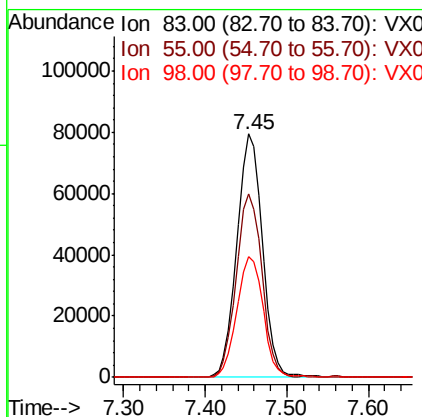
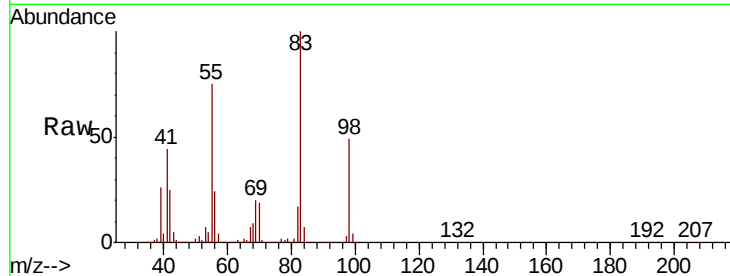
#39
Methvlcvclohexane
Concen: 45.953 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VX011940.D
Acq: 31 Aug 2019 07:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.2	59.4	89.0
98	49.5	40.3	60.5

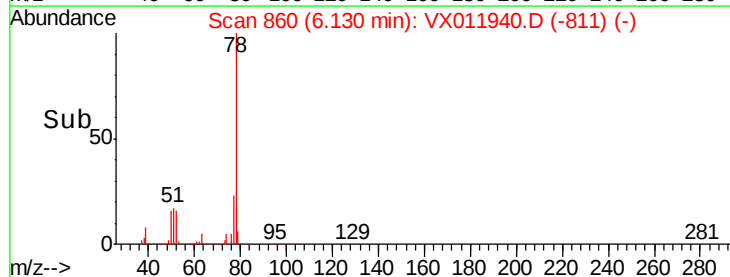
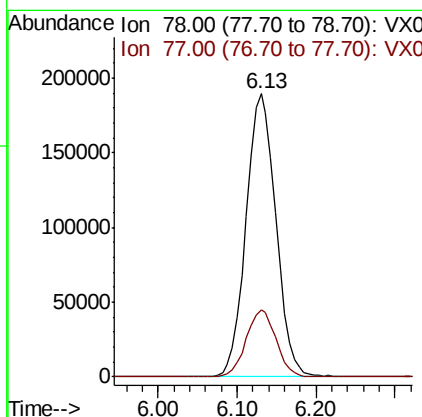
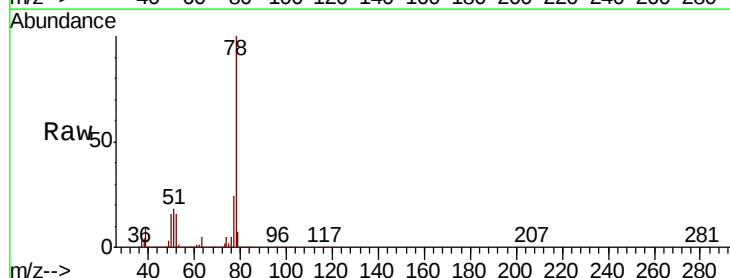
Manual Integrations
APPROVED

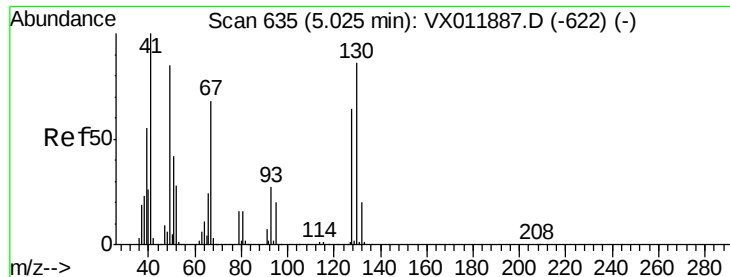
MMDadoda
9/3/2019 2:41:12 AM



#40
Benzene
Concen: 53.134 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX011940.D
Acq: 31 Aug 2019 07:27

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.0	28.6





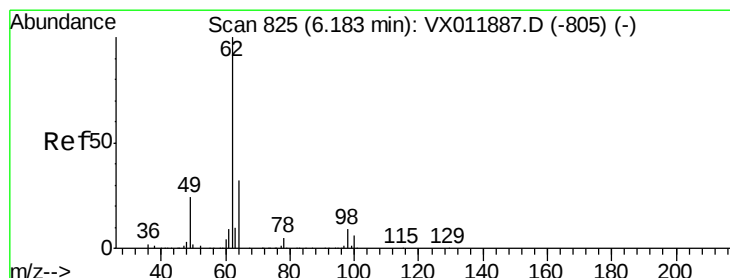
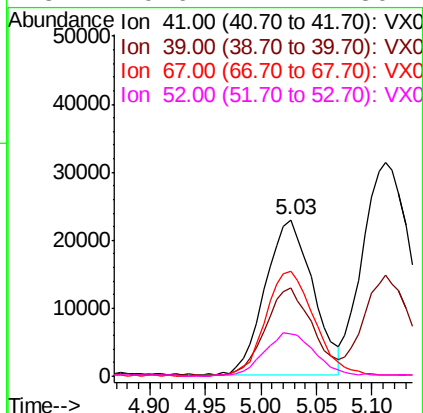
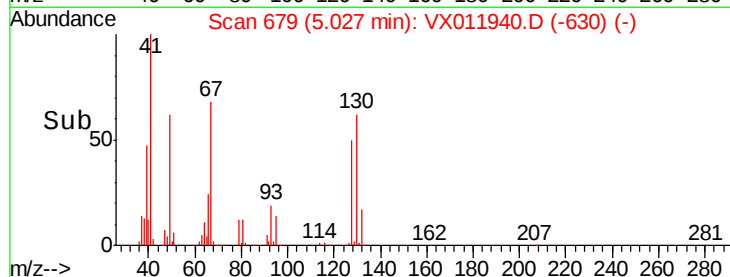
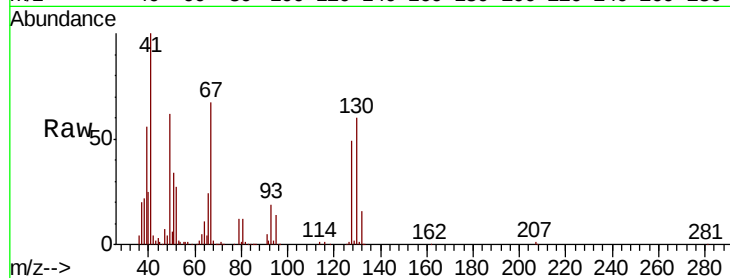
#41
Methacrylonitrile
Concen: 61.940 ug/l
RT: 5.03 min Scan# 679
Delta R.T. 0.00 min
Lab File: VX011940.D
Acq: 31 Aug 2019 07:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.6	45.0	67.6
67	68.9	55.0	82.4
52	29.6	24.1	36.1

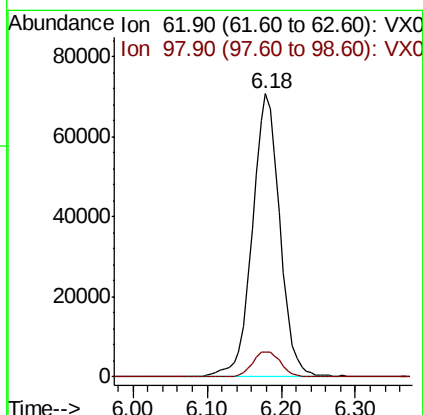
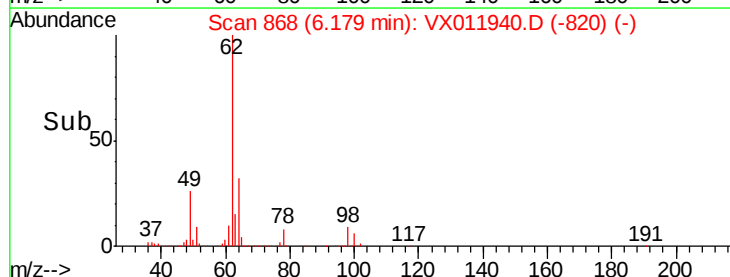
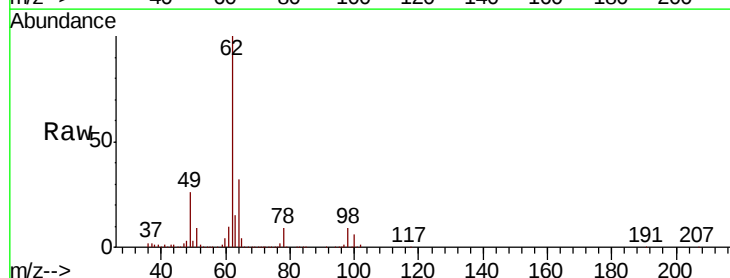
Manual Integrations
APPROVED

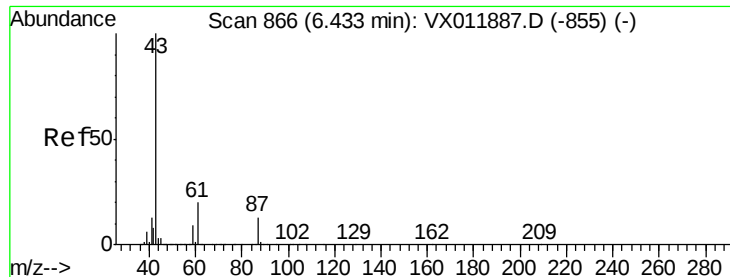
MMDadoda
9/3/2019 2:41:12 AM



#42
1,2-Dichloroethane
Concen: 57.015 ug/l
RT: 6.18 min Scan# 868
Delta R.T. -0.00 min
Lab File: VX011940.D
Acq: 31 Aug 2019 07:27

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	19.2





#43

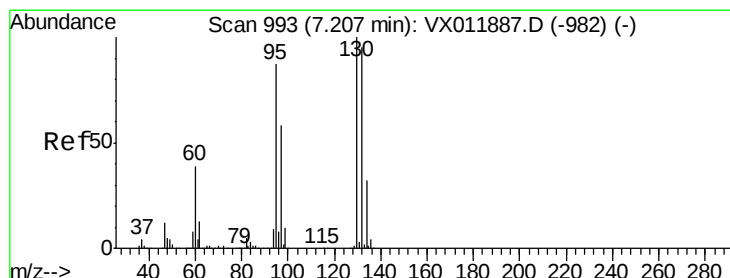
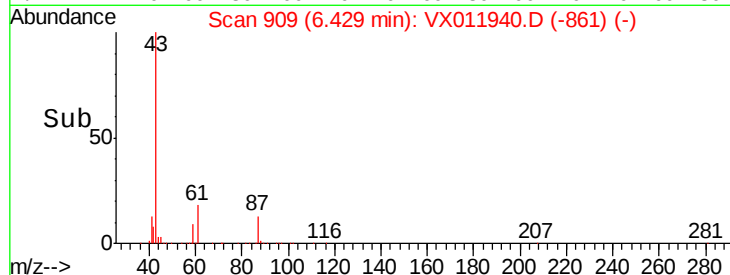
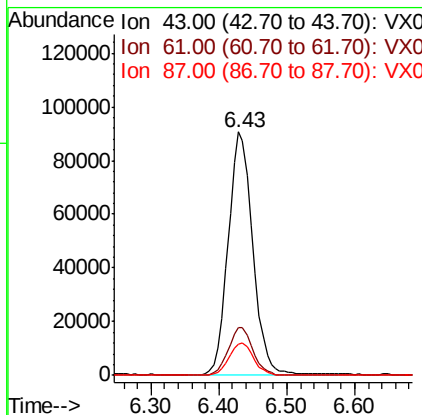
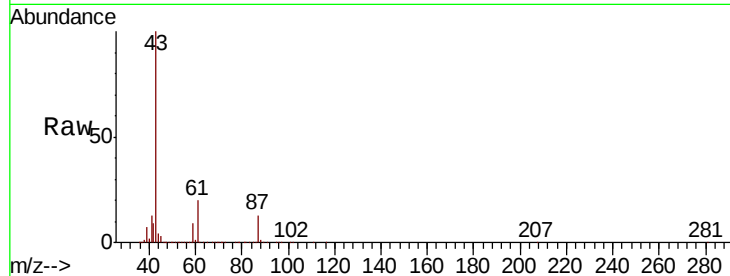
Isopropyl Acetate
 Concen: 59.916 ug/l
 RT: 6.43 min Scan# 909
 Delta R.T. -0.00 min
 Lab File: VX011940.D
 Acq: 31 Aug 2019 07:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	43	Resp:	226175
Ion	Ratio	Lower	Upper
43	100		
61	19.9	16.1	24.1
87	13.5	10.6	16.0

Manual Integrations
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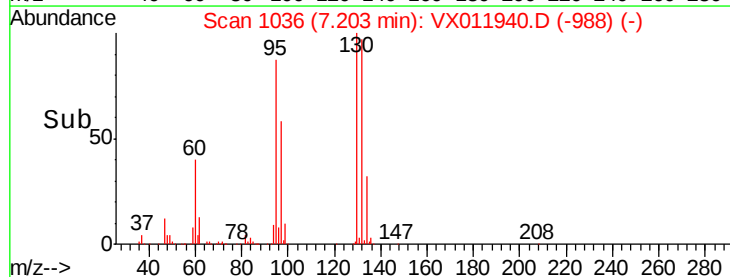
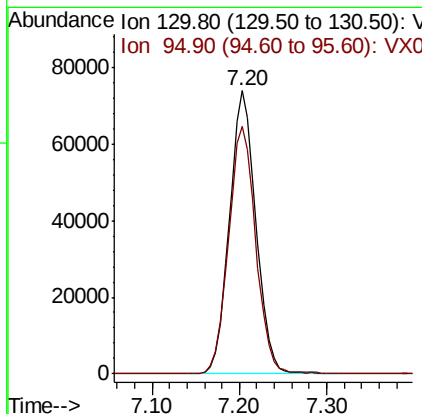
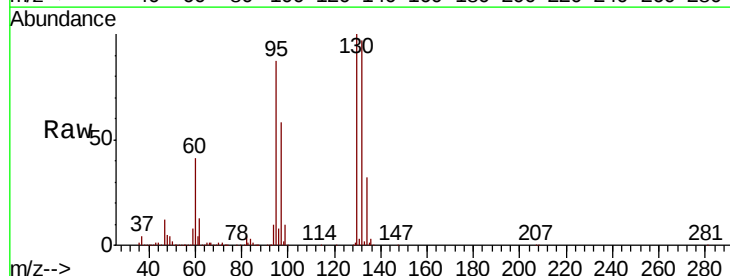
MMDadoda
 9/3/2019 2:41:12 AM

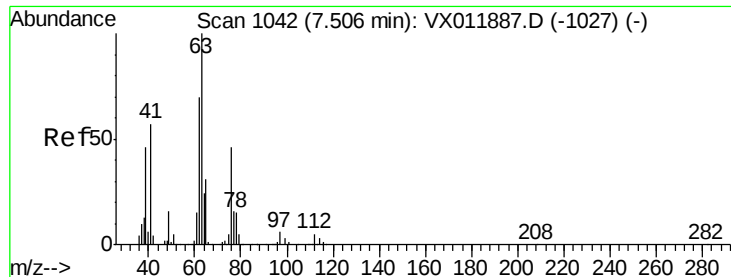


#44

Trichloroethene
 Concen: 53.609 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. -0.00 min
 Lab File: VX011940.D
 Acq: 31 Aug 2019 07:27

Tgt Ion:	130	Resp:	155732
Ion	Ratio	Lower	Upper
130	100		
95	87.4	0.0	174.6





#45

1,2-Dichloropropane

Concen: 54.385 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX011940.D

Acq: 31 Aug 2019 07:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 133564

Ion Ratio Lower Upper

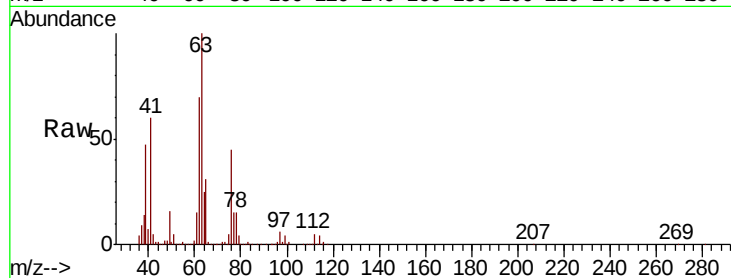
63 100

65 30.8 25.1 37.7

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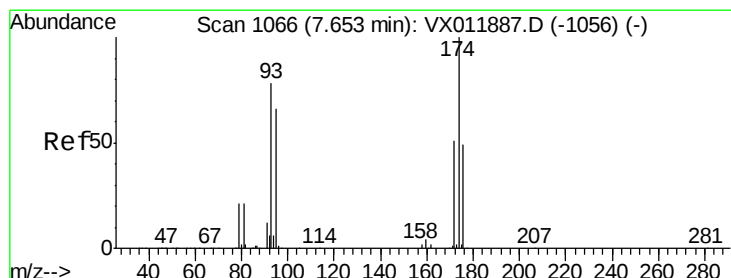
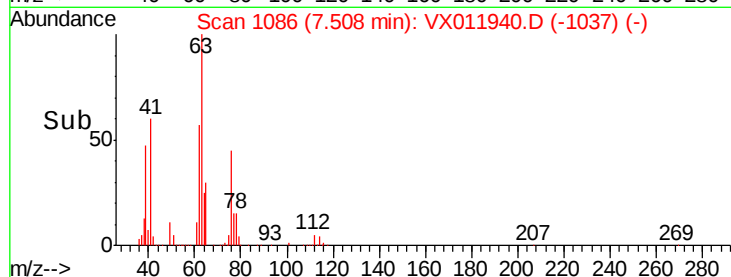
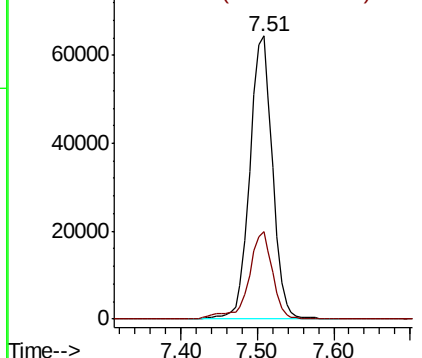
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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 57.159 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VX011940.D

Acq: 31 Aug 2019 07:27

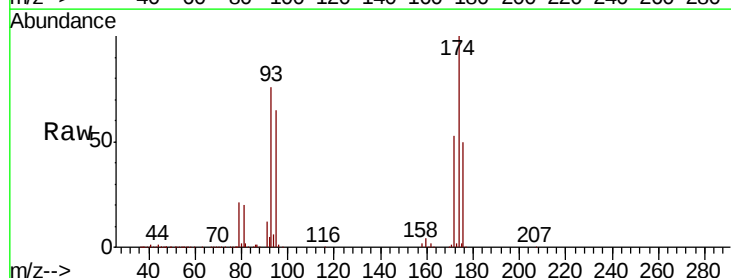
Tgt Ion: 93 Resp: 83311

Ion Ratio Lower Upper

93 100

95 83.5 65.7 98.5

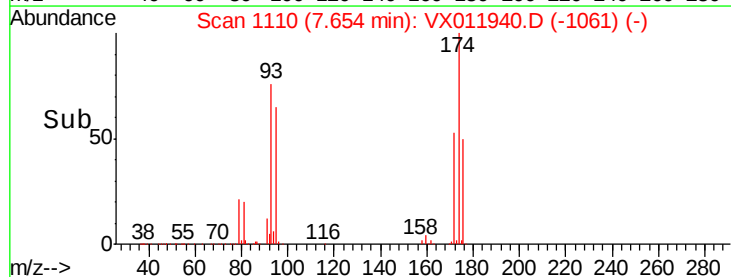
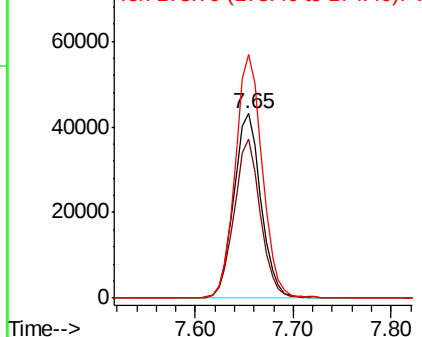
174 131.4 104.2 156.4

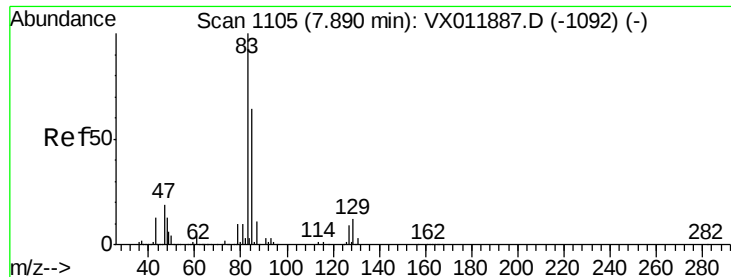


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 55.546 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX011940.D

Acq: 31 Aug 2019 07:27

Instrument :

MSVOA_X

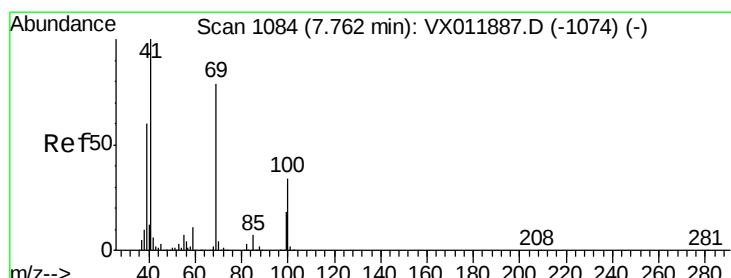
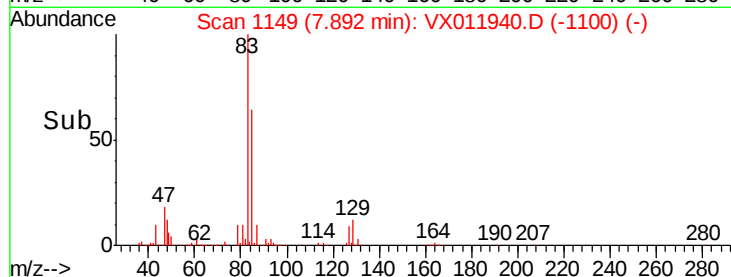
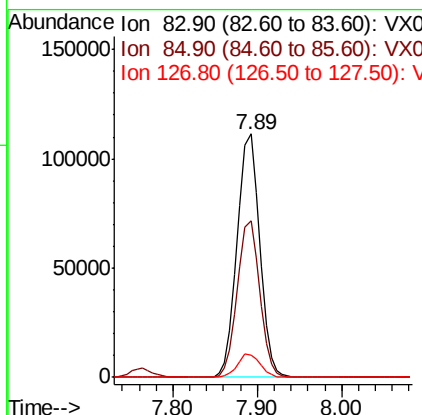
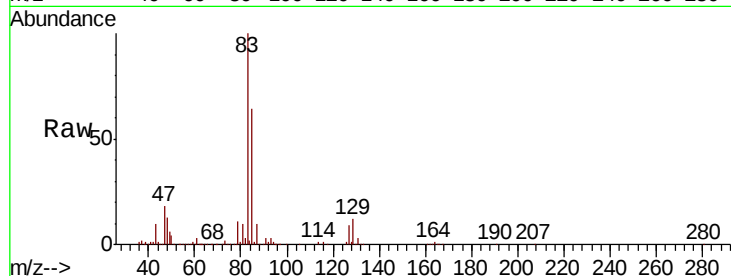
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	200757
Ion Ratio	Lower	Upper	
83	100		
85	64.1	51.1	76.7
127	9.0	7.4	11.2

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#48

Methyl methacrylate

Concen: 61.341 ug/l

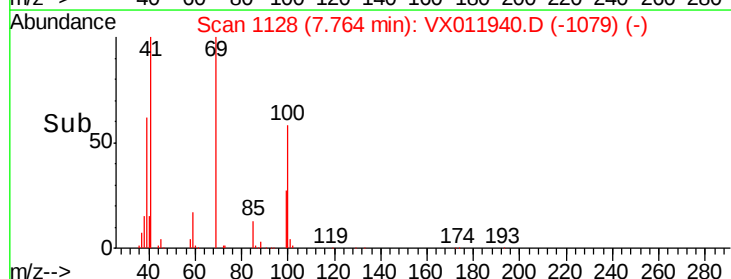
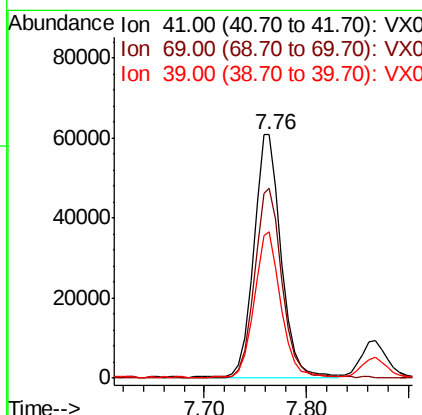
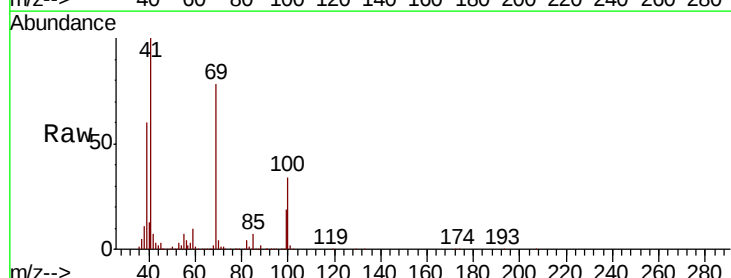
RT: 7.76 min Scan# 1128

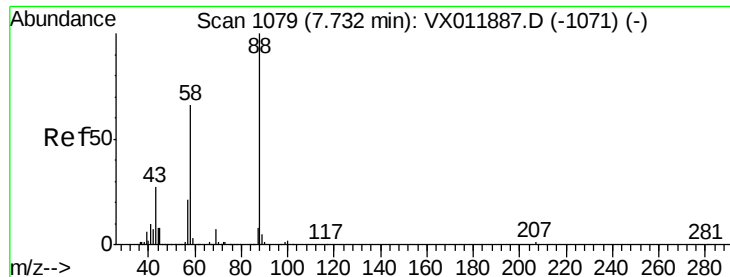
Delta R.T. 0.00 min

Lab File: VX011940.D

Acq: 31 Aug 2019 07:27

Tgt Ion:	41	Resp:	112666
Ion Ratio	Lower	Upper	
41	100		
69	79.1	64.4	96.6
39	58.3	47.2	70.8





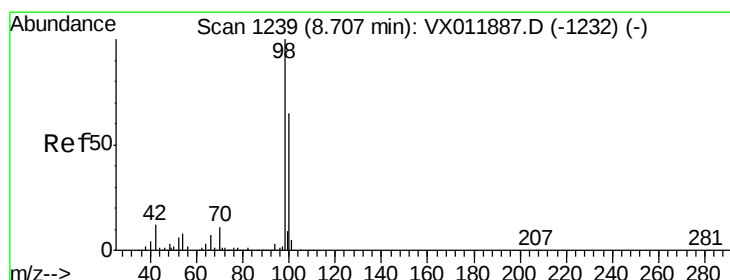
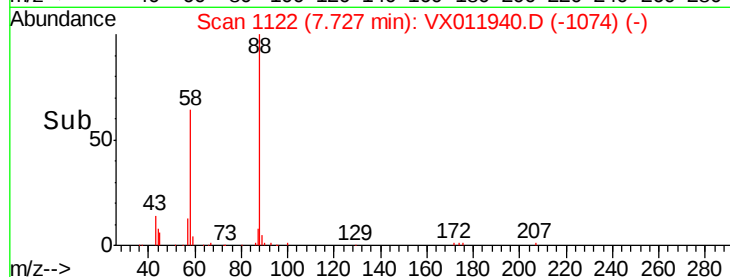
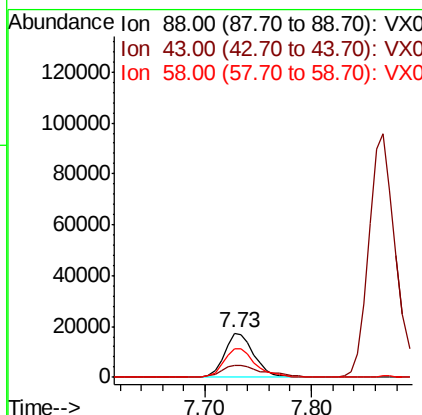
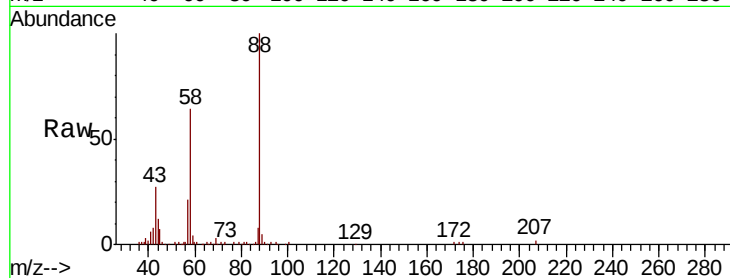
#49
 1,4-Dioxane
 Concen: 1338.229 ug/l
 RT: 7.73 min Scan# 1122
 Delta R.T. -0.00 min
 Lab File: VX011940.D
 Acq: 31 Aug 2019 07:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	88	Resp	33800
Ion	Ratio	Lower	Upper
88	100		
43	35.1	27.3	40.9
58	67.8	53.9	80.9

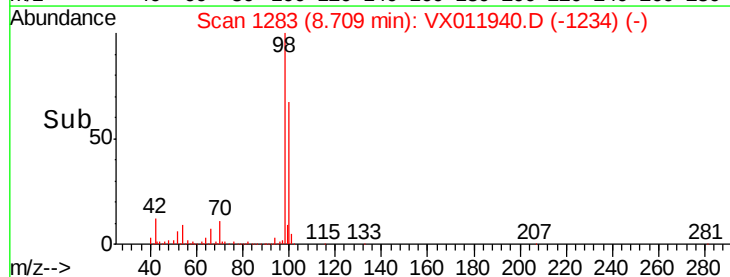
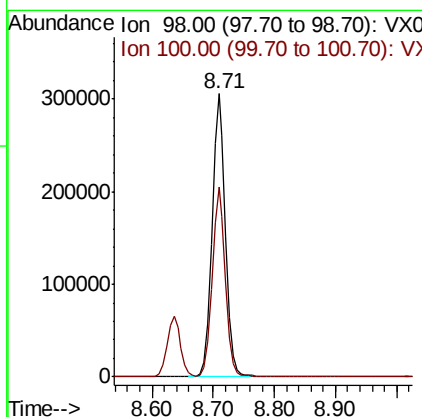
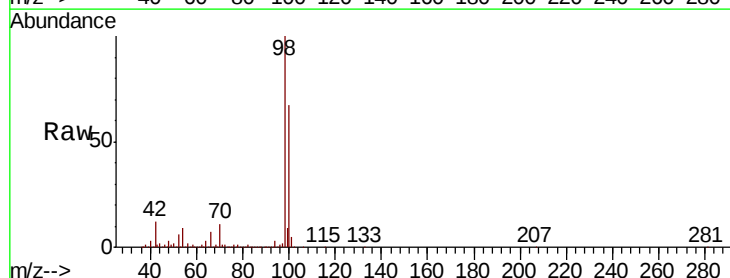
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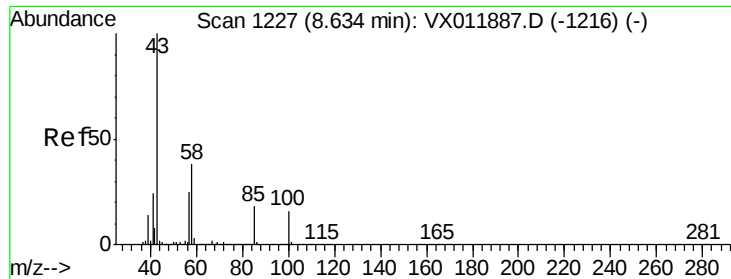
MMDadoda
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#50
 Toluene-d8
 Concen: 52.299 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VX011940.D
 Acq: 31 Aug 2019 07:27

Tgt Ion	98	Resp	475967
Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.0	79.6





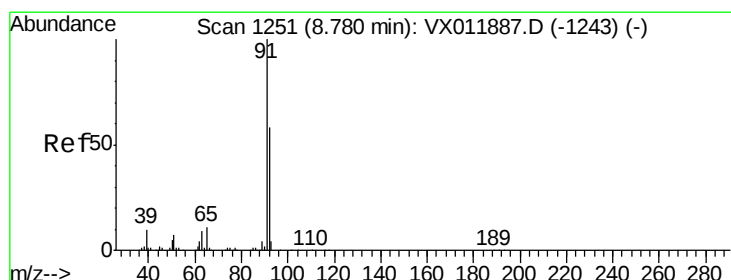
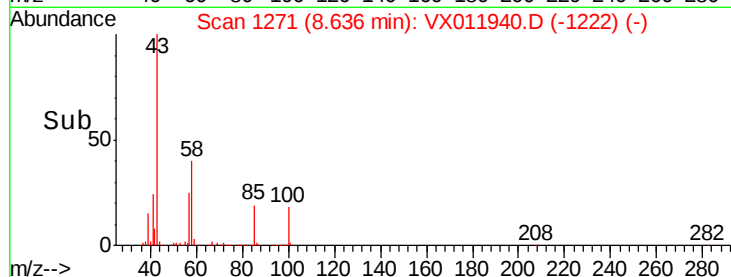
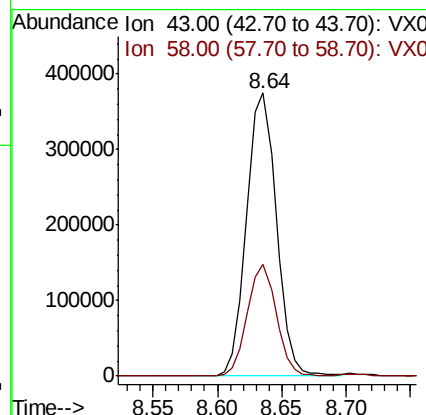
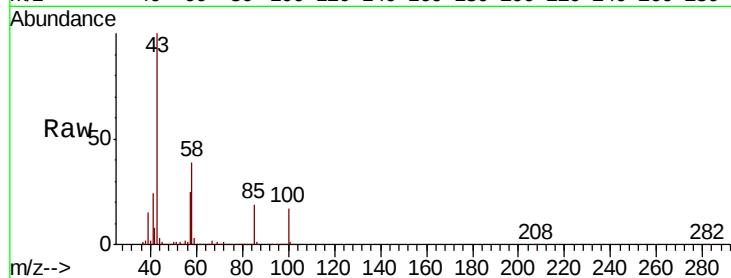
#51
4-Methyl-2-Pentanone
Concen: 312.888 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VX011940.D
Acq: 31 Aug 2019 07:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.4	30.9	46.3

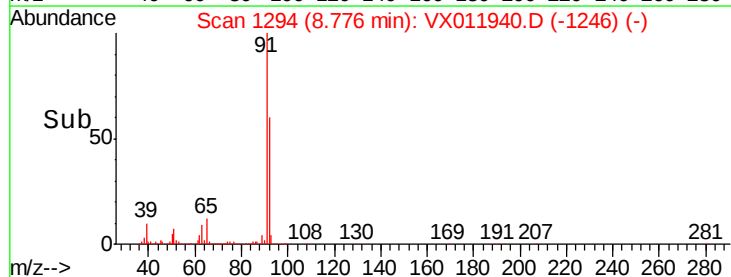
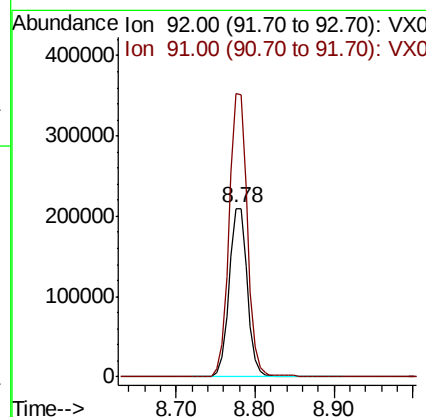
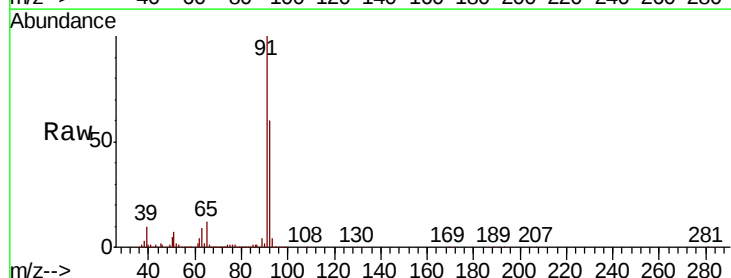
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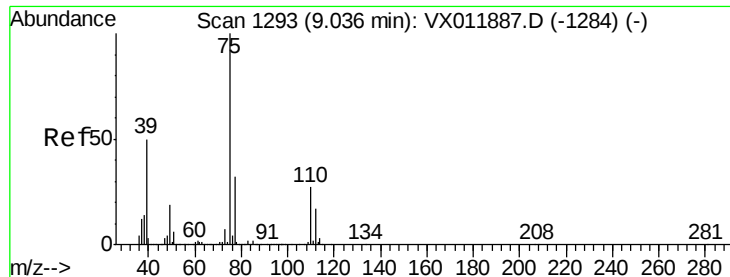
MMDadoda
9/3/2019 2:41:12 AM



#52
Toluene
Concen: 53.954 ug/l
RT: 8.78 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX011940.D
Acq: 31 Aug 2019 07:27

Tgt Ion	Ratio	Lower	Upper
92	100		
91	169.2	136.8	205.2





#53

t-1,3-Dichloropropene

Concen: 51.754 ug/l

RT: 9.04 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VX011940.D

Acq: 31 Aug 2019 07:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 191603

Ion Ratio Lower Upper

75 100

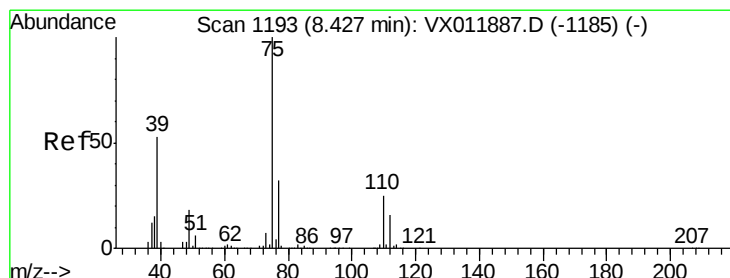
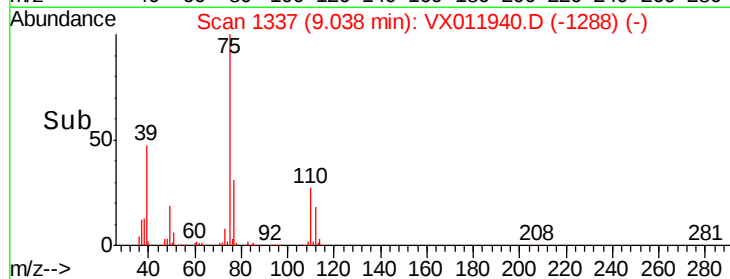
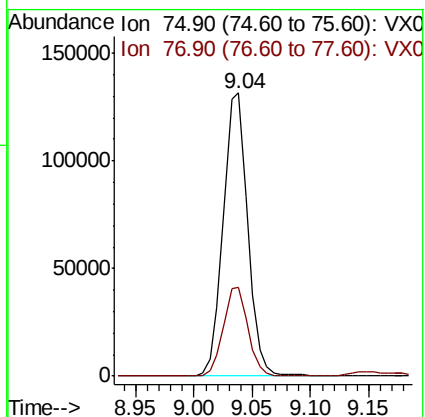
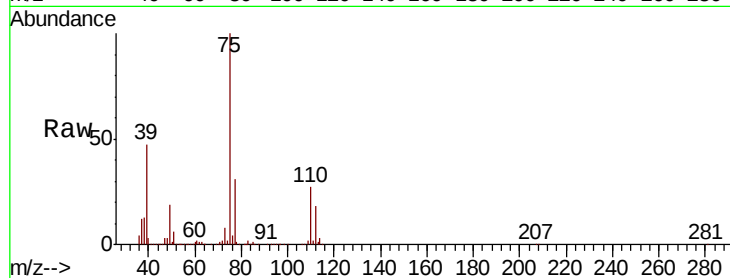
77 31.2 25.6 38.4

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#54

cis-1,3-Dichloropropene

Concen: 51.113 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VX011940.D

Acq: 31 Aug 2019 07:27

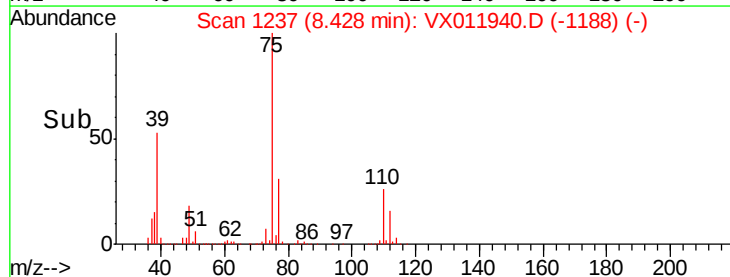
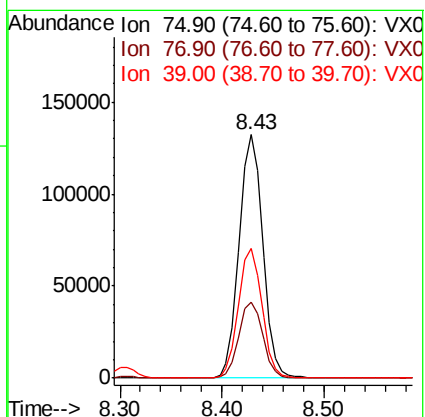
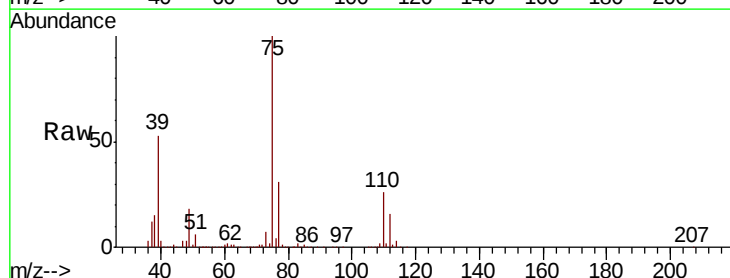
Tgt Ion: 75 Resp: 212419

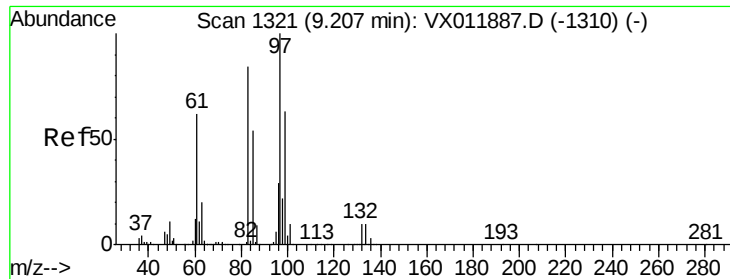
Ion Ratio Lower Upper

75 100

77 31.4 25.5 38.3

39 53.1 42.6 64.0





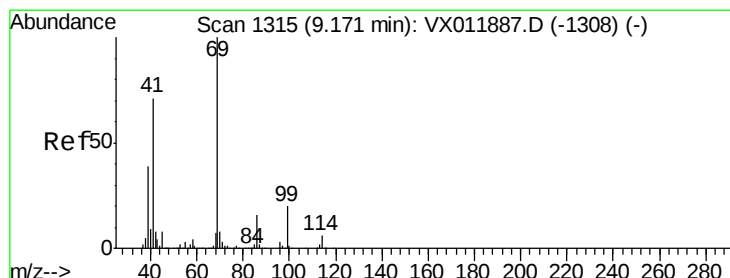
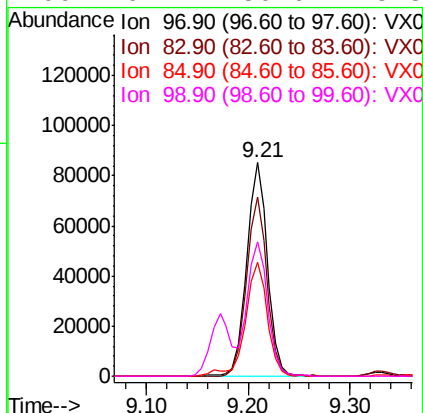
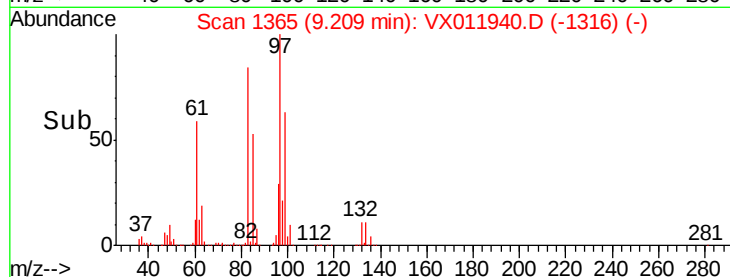
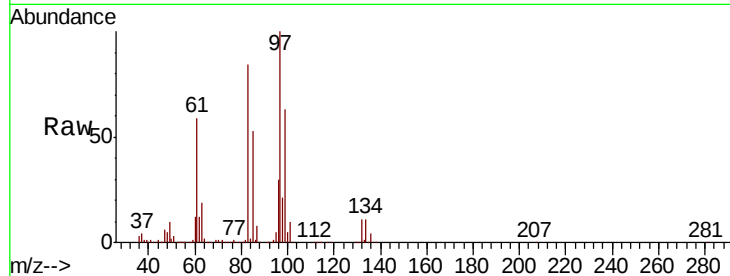
#55
 1,1,2-Trichloroethane
 Concen: 56.560 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX011940.D
 Acq: 31 Aug 2019 07:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		120686		
83	83.9	66.8	100.2		
85	53.3	43.5	65.3		
99	62.7	50.6	75.8		

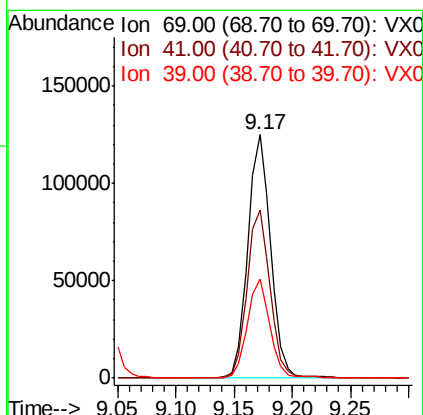
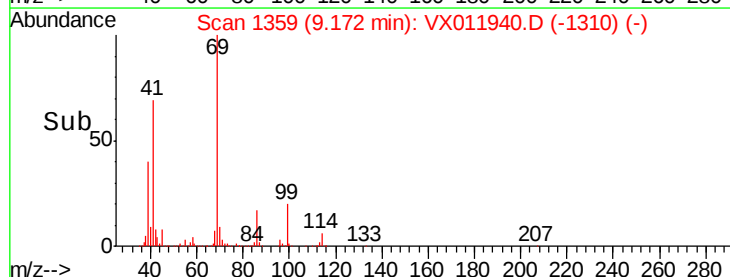
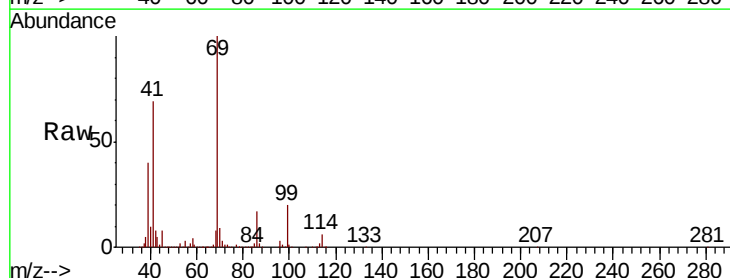
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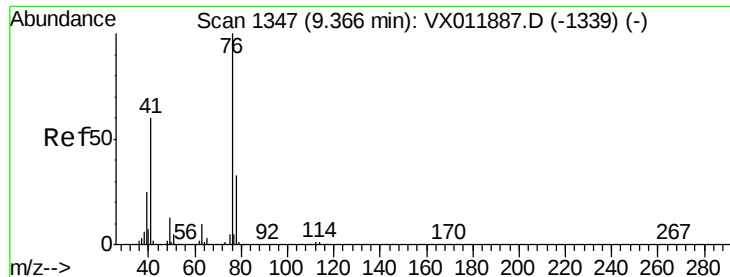
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#56
 Ethyl methacrylate
 Concen: 57.814 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX011940.D
 Acq: 31 Aug 2019 07:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		171211		
41	69.7	55.8	83.8		
39	39.8	31.1	46.7		





#57

1,3-Dichloropropane

Concen: 57.539 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX011940.D

Acq: 31 Aug 2019 07:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 203782

Ion Ratio Lower Upper

76 100

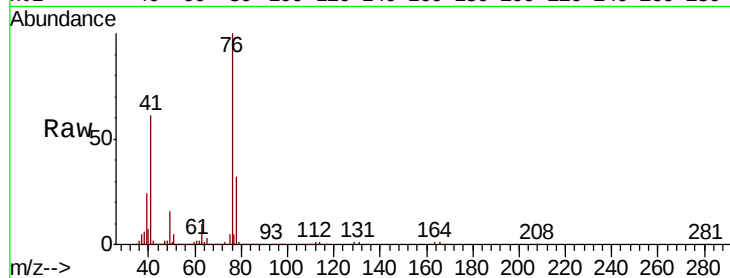
78 31.9 26.4 39.6

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

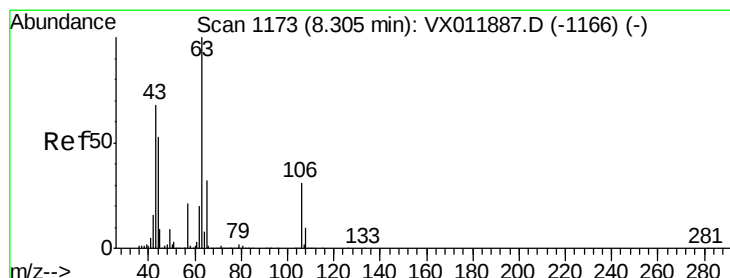
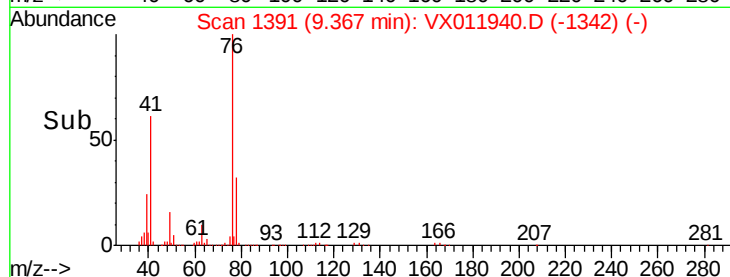
150000

100000

50000

0

Time--> 9.20 9.30 9.40 9.50



#58

2-Chloroethyl Vinyl ether

Concen: 286.550 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VX011940.D

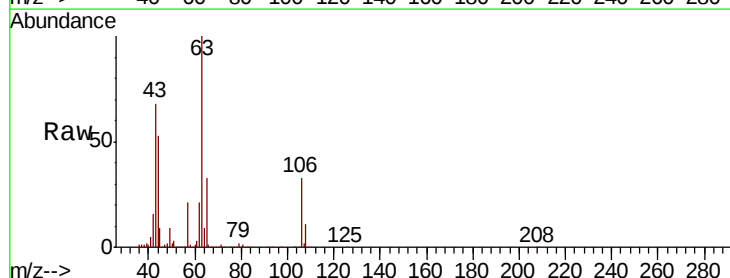
Acq: 31 Aug 2019 07:27

Tgt Ion: 63 Resp: 404181

Ion Ratio Lower Upper

63 100

106 31.9 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.31

300000

250000

200000

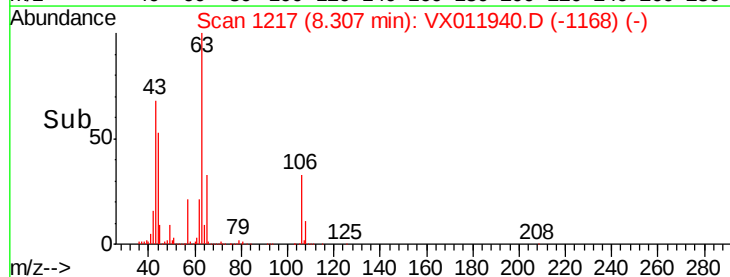
150000

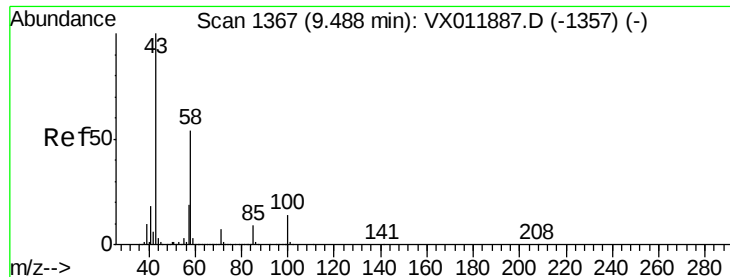
100000

50000

0

Time--> 8.20 8.25 8.30 8.35 8.40





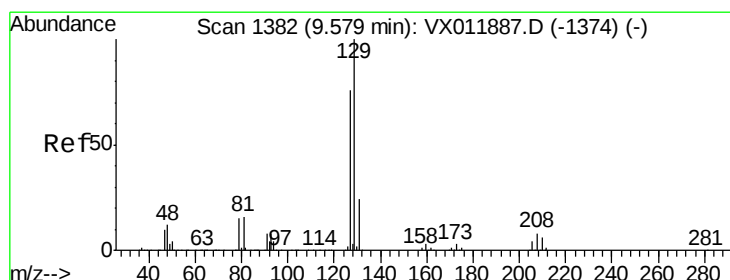
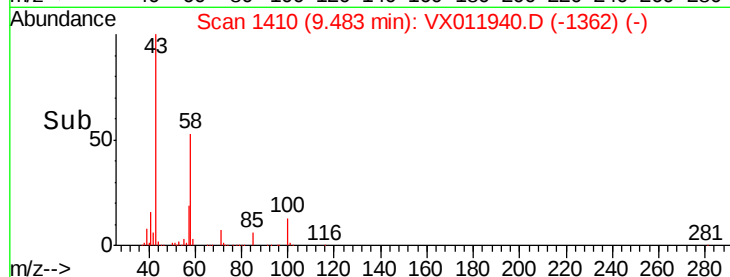
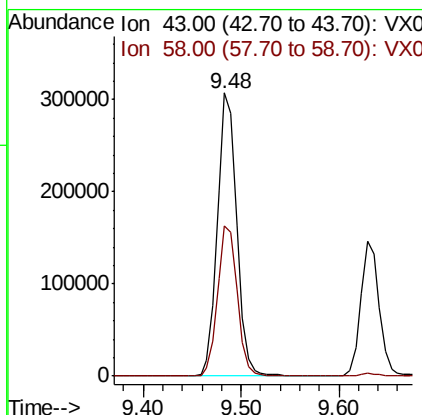
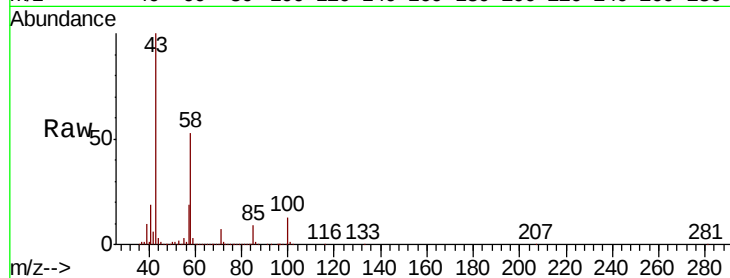
#59
2-Hexanone
Concen: 310.308 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.00 min
Lab File: VX011940.D
Acq: 31 Aug 2019 07:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 422701
Ion Ratio Lower Upper
43 100
58 54.1 26.8 80.4

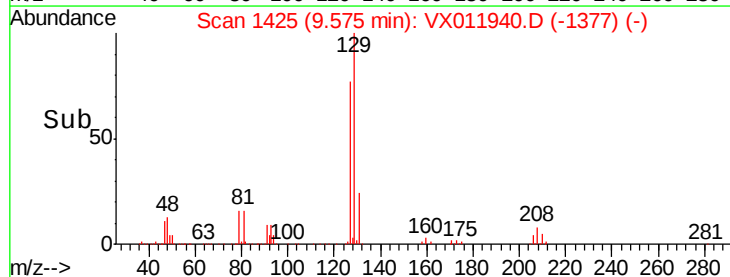
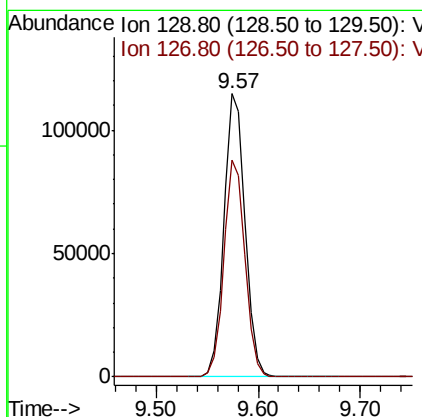
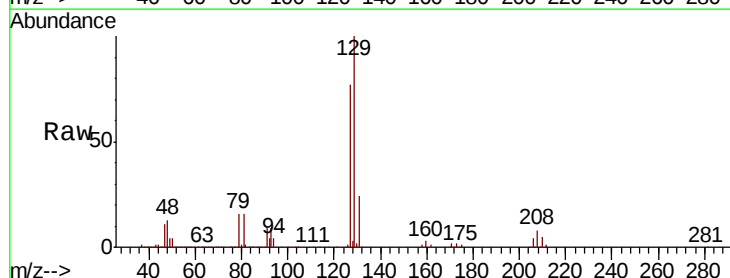
Manual Integrations
APPROVED

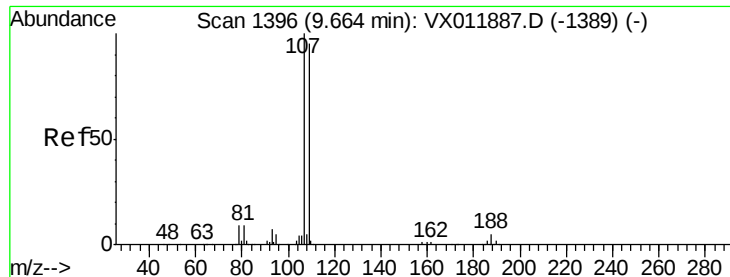
MMDadoda
9/3/2019 2:41:12 AM



#60
Dibromochloromethane
Concen: 57.242 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.00 min
Lab File: VX011940.D
Acq: 31 Aug 2019 07:27

Tgt Ion: 129 Resp: 164048
Ion Ratio Lower Upper
129 100
127 76.5 38.6 115.7





#61

1,2-Dibromoethane

Concen: 58.871 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX011940.D

Acq: 31 Aug 2019 07:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 124544

Ion Ratio Lower Upper

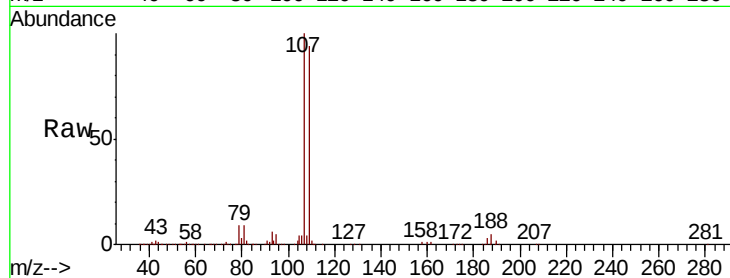
107 100

109 94.2 75.3 112.9

Manual Integrations
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MMDadoda

9/3/2019 2:41:12 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

100000

80000

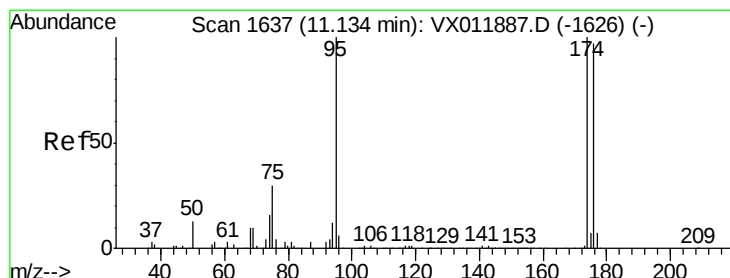
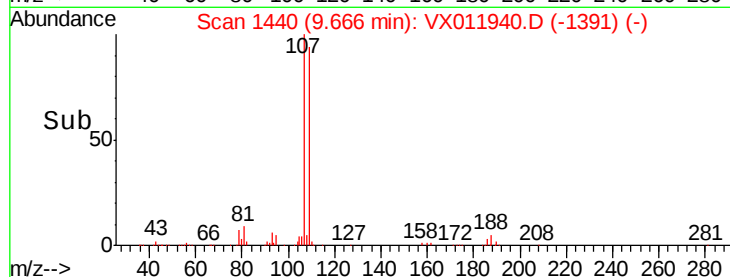
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 49.997 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX011940.D

Acq: 31 Aug 2019 07:27

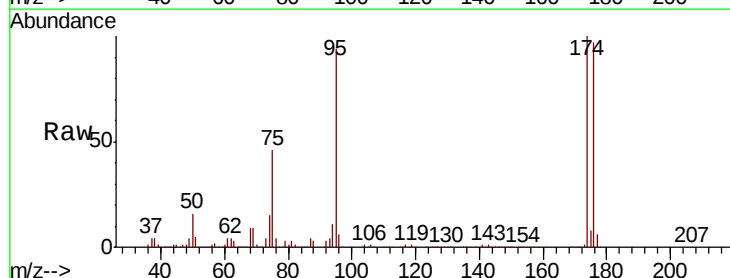
Tgt Ion: 95 Resp: 199597

Ion Ratio Lower Upper

95 100

174 99.5 0.0 196.0

176 97.2 0.0 191.4



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

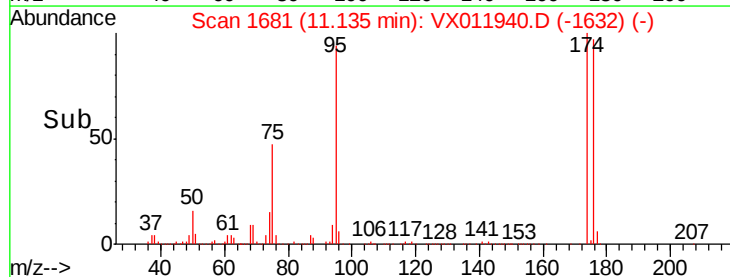
150000

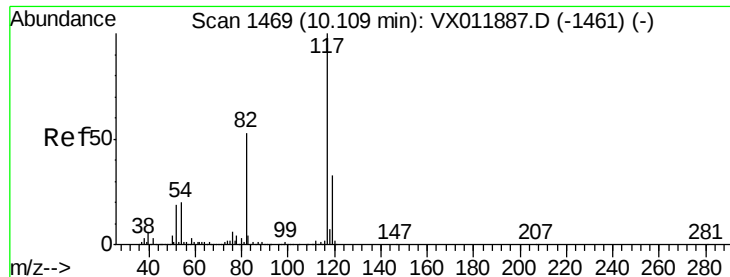
100000

50000

0

Time-->





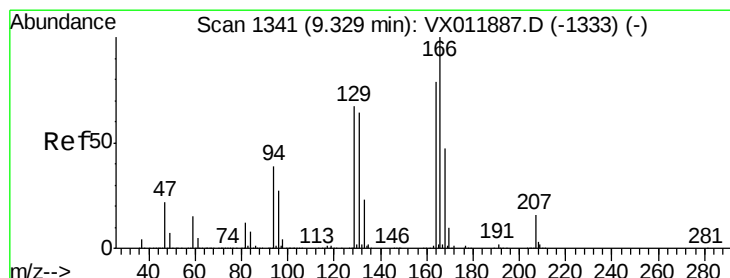
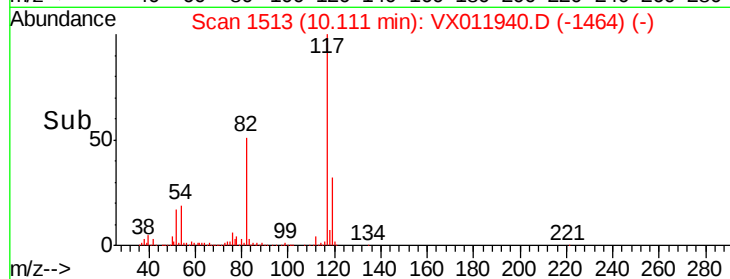
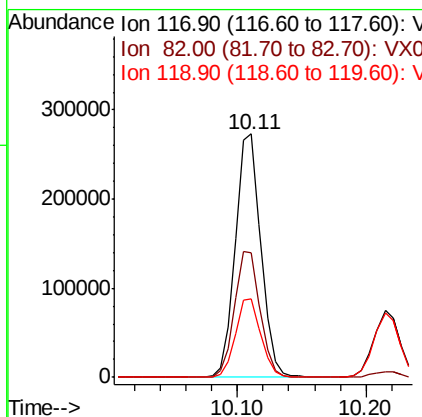
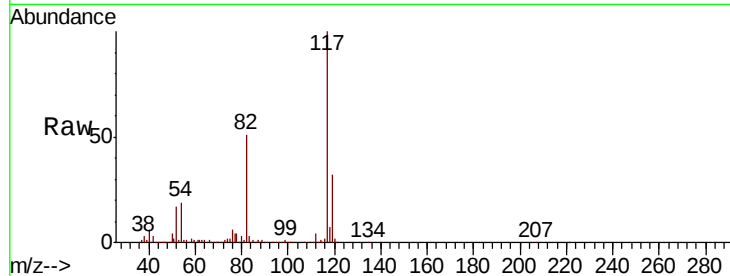
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX011940.D
Acq: 31 Aug 2019 07:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.9	42.0	63.0
119	32.2	26.2	39.4

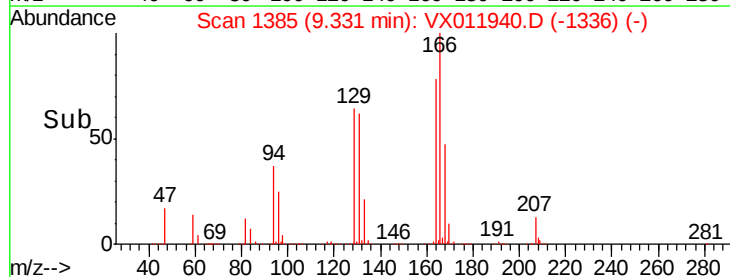
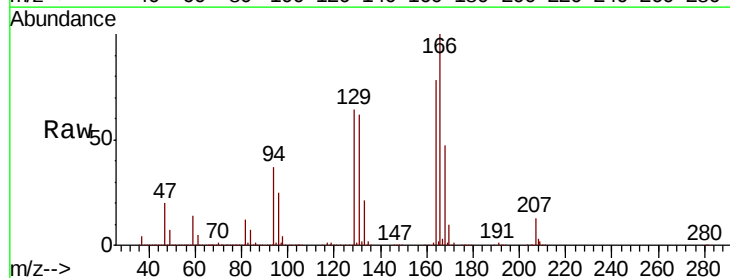
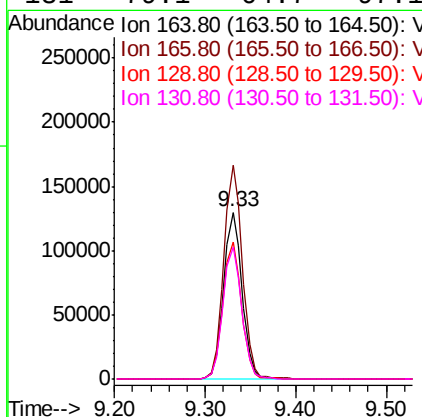
Manual Integrations
APPROVED

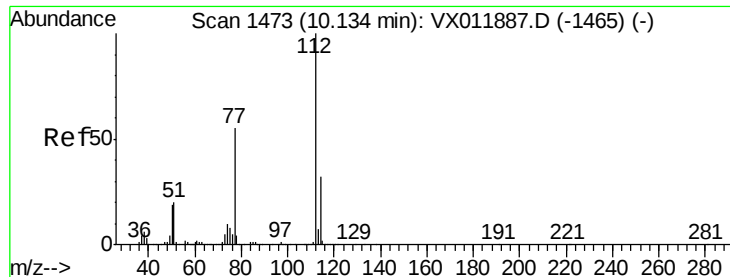
MMDadoda
9/3/2019 2:41:12 AM



#64
Tetrachloroethene
Concen: 60.846 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX011940.D
Acq: 31 Aug 2019 07:27

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.1	101.4	152.0
129	82.0	68.0	102.0
131	79.1	64.7	97.1





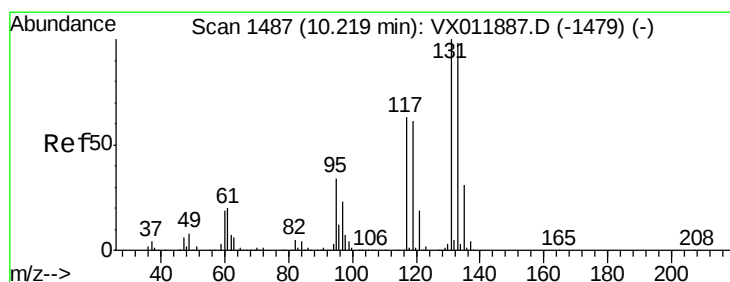
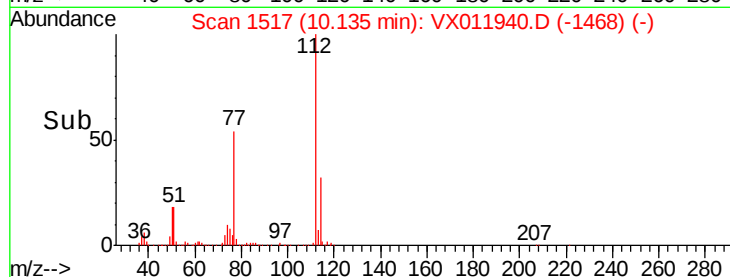
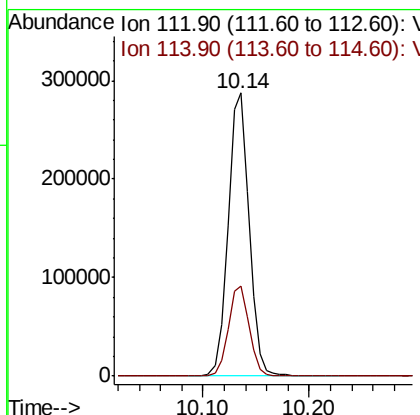
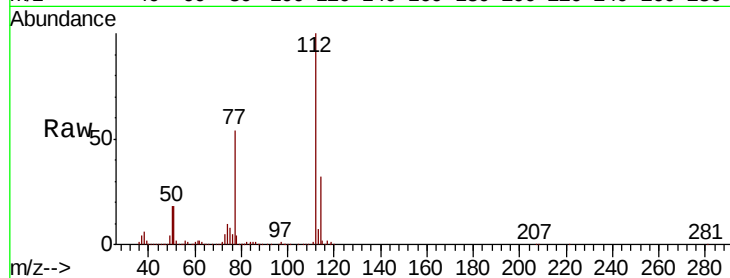
#65
Chlorobenzene
Concen: 54.205 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX011940.D
Acq: 31 Aug 2019 07:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.9	38.9

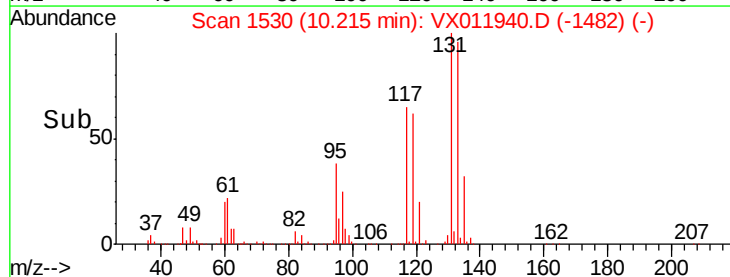
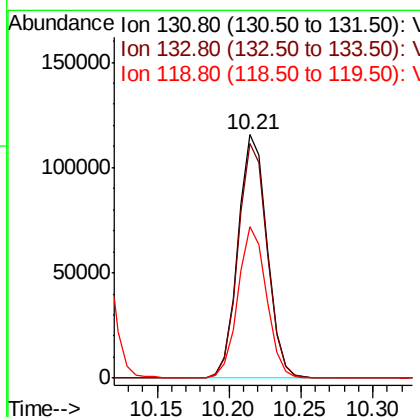
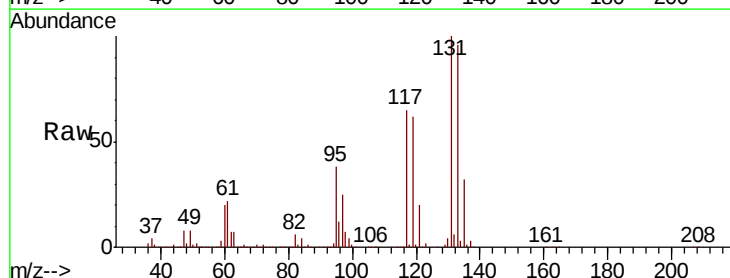
Manual Integrations
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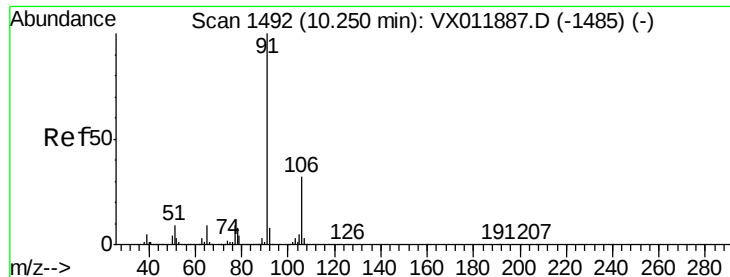
MMDadoda
9/3/2019 2:41:12 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 54.787 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VX011940.D
Acq: 31 Aug 2019 07:27

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.7	48.4	145.0
119	61.1	30.6	92.0





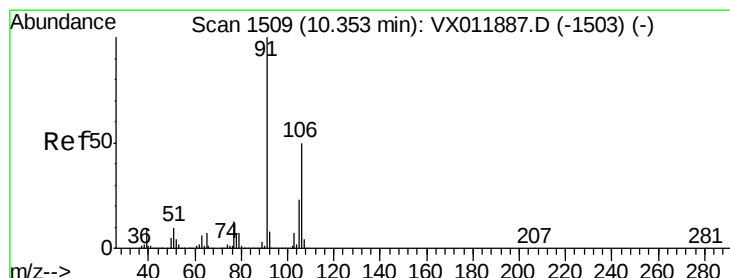
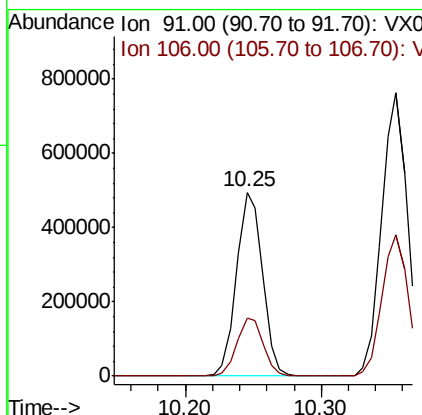
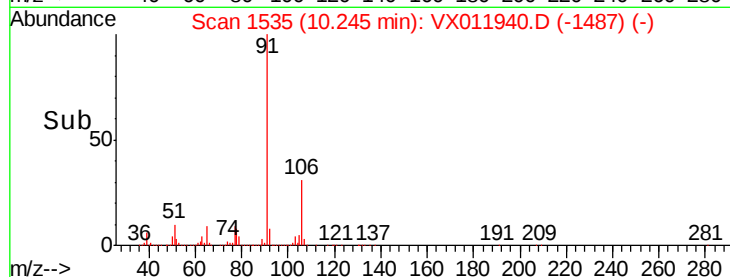
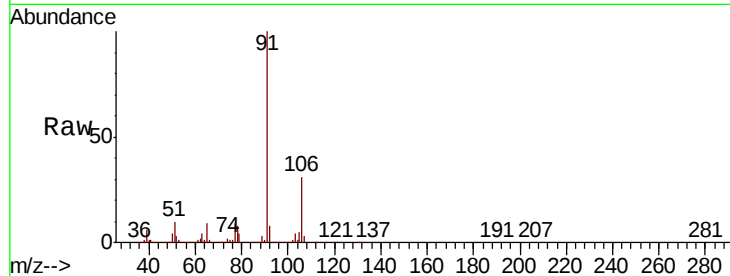
#67
Ethyl Benzene
Concen: 52.947 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX011940.D
Acq: 31 Aug 2019 07:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.4	25.8	38.8

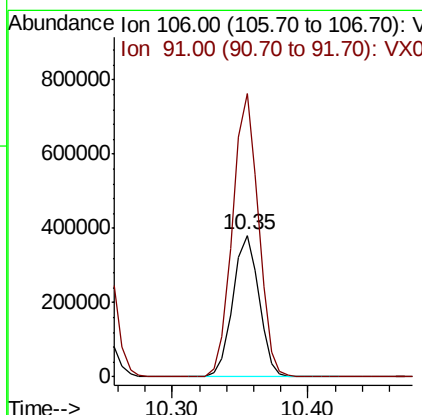
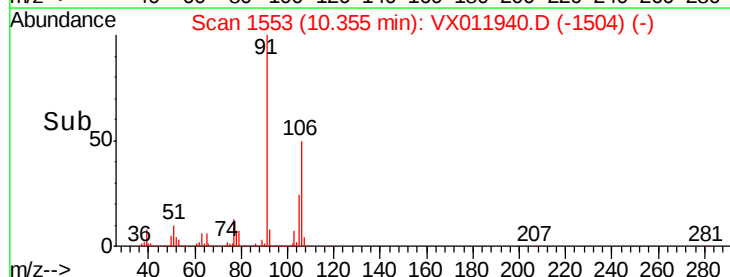
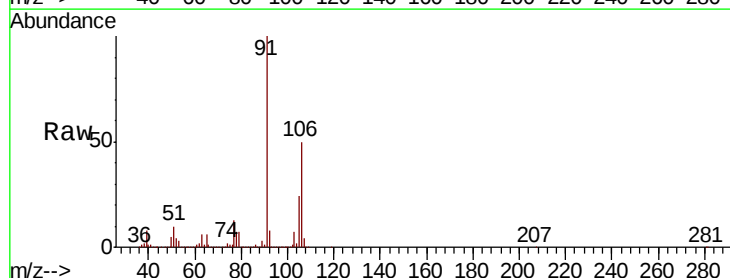
Manual Integrations
APPROVED

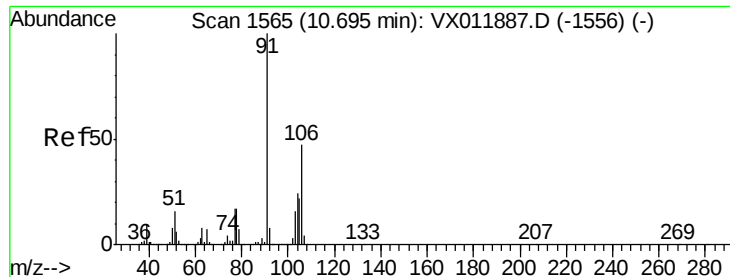
MMDadoda
9/3/2019 2:41:12 AM



#68
m/p-Xylenes
Concen: 106.125 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX011940.D
Acq: 31 Aug 2019 07:27

Tgt Ion	Ratio	Lower	Upper
106	100		
91	198.5	158.6	237.8





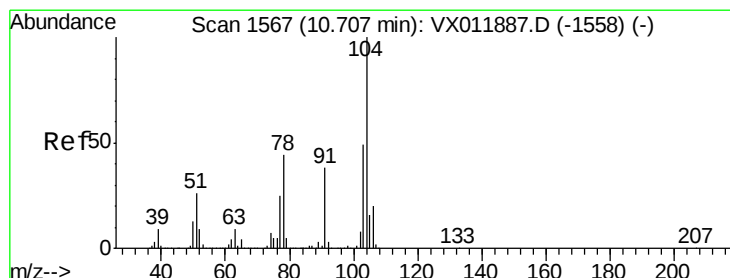
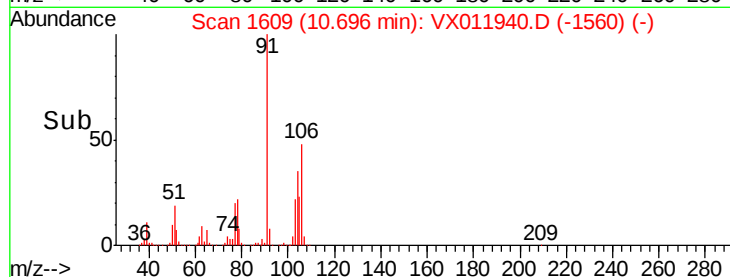
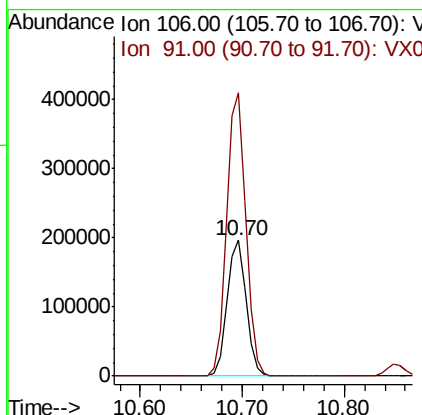
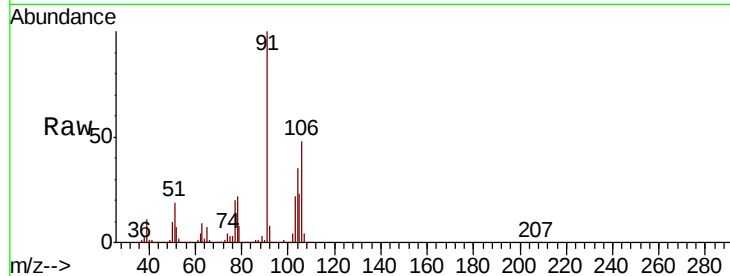
#69
o-Xylene
Concen: 53.517 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX011940.D
Acq: 31 Aug 2019 07:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	210.5	104.8	314.6

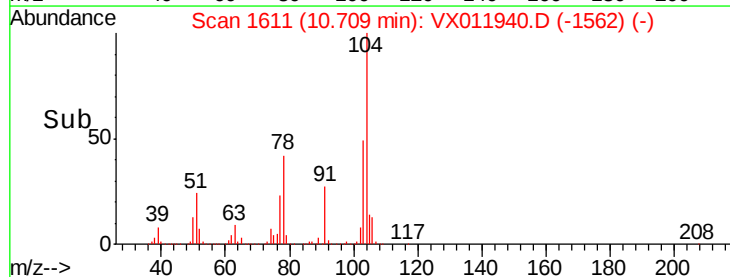
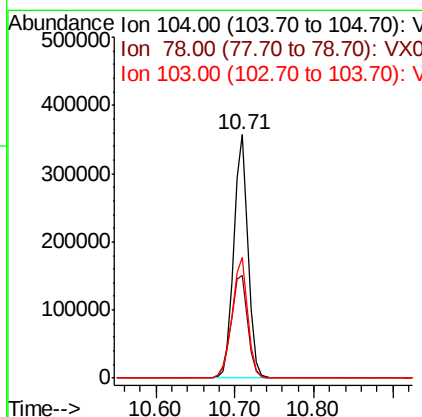
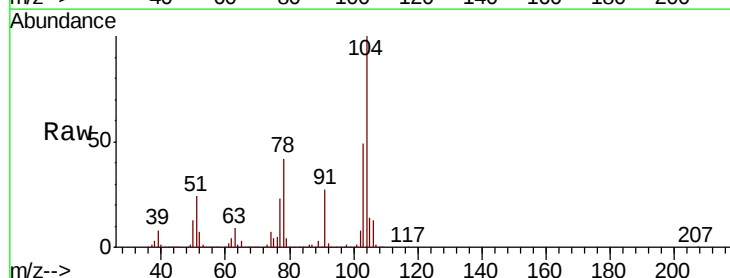
Manual Integrations
APPROVED

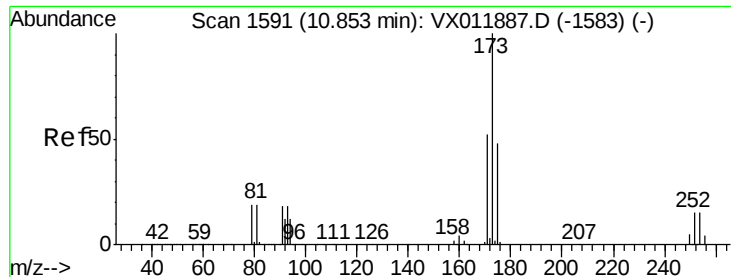
MMDadoda
9/3/2019 2:41:12 AM



#70
Styrene
Concen: 54.674 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX011940.D
Acq: 31 Aug 2019 07:27

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.2	39.2	58.8
103	54.0	43.0	64.6





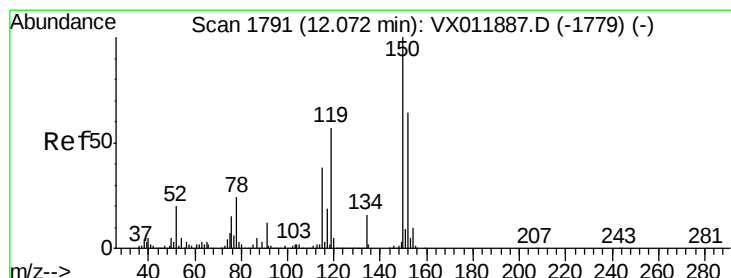
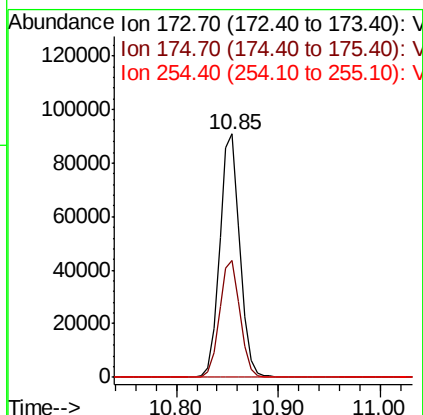
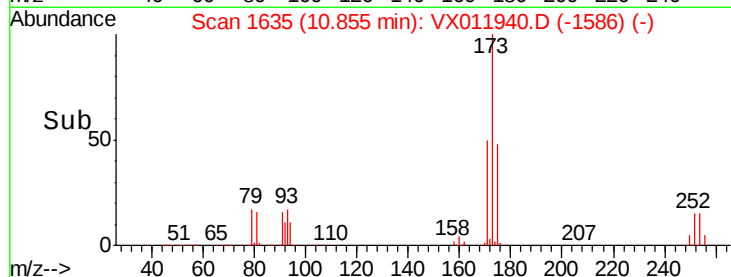
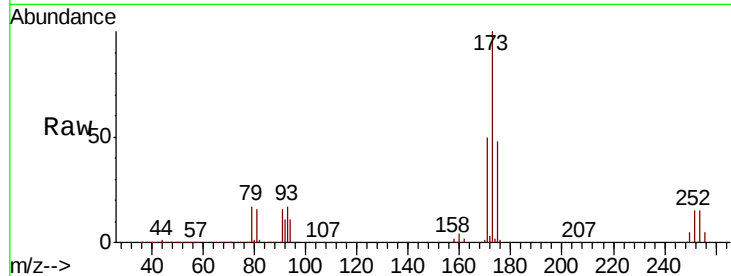
#71
Bromoform
Concen: 59.555 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VX011940.D
Acq: 31 Aug 2019 07:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.4	73.2
254	0.1	0.1	0.1#

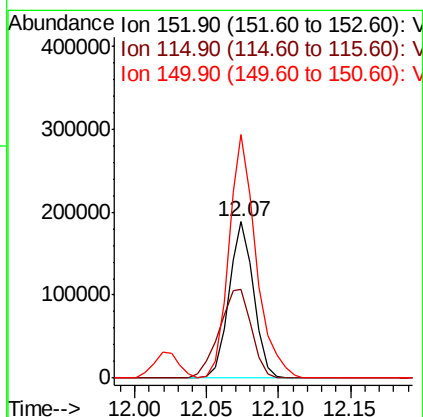
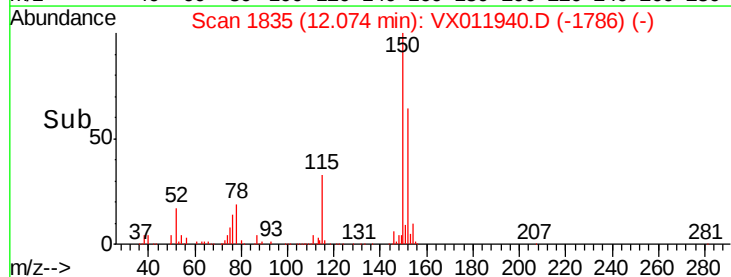
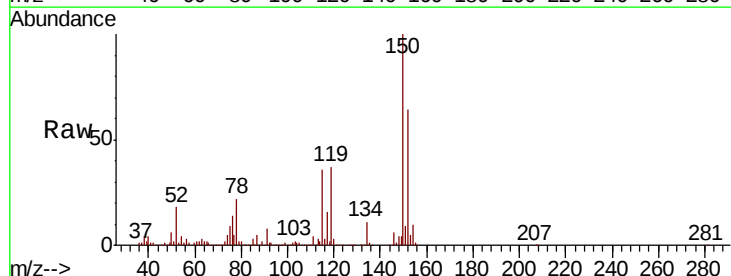
Manual Integrations
APPROVED

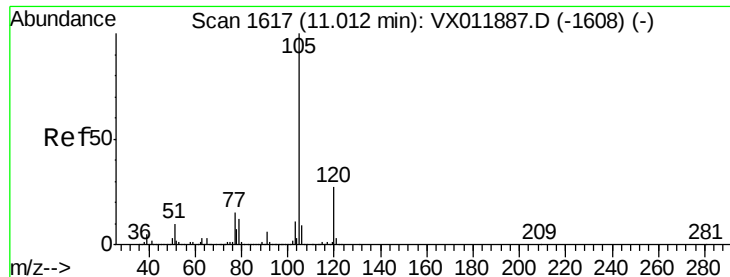
MMDadoda
9/3/2019 2:41:12 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX011940.D
Acq: 31 Aug 2019 07:27

Tgt Ion	Ratio	Lower	Upper
152	100		
115	74.0	37.1	111.3
150	171.5	0.0	339.6





#73

Isopropylbenzene

Concen: 51.763 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX011940.D

Acq: 31 Aug 2019 07:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 671556

Ion Ratio Lower Upper

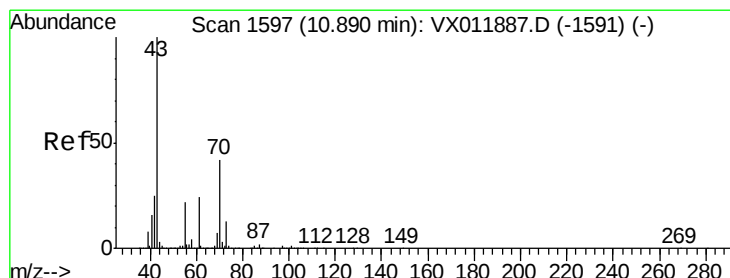
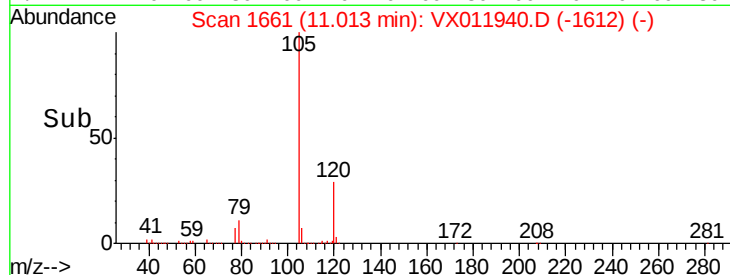
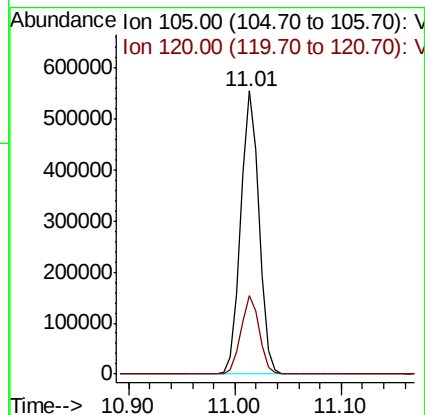
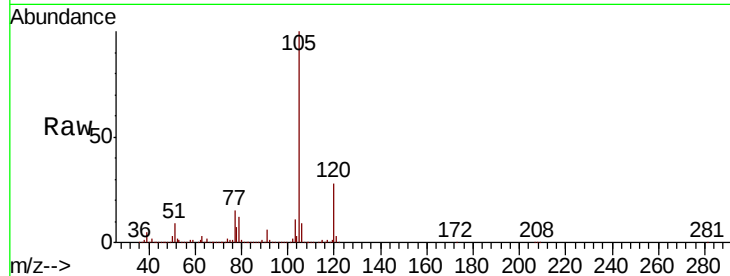
105 100

120 27.7 13.8 41.4

Manual Integrations
APPROVED

MMDadoda

9/3/2019 2:41:12 AM



#74

N-ethyl acetate

Concen: 53.581 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX011940.D

Acq: 31 Aug 2019 07:27

Tgt Ion: 43 Resp: 206295

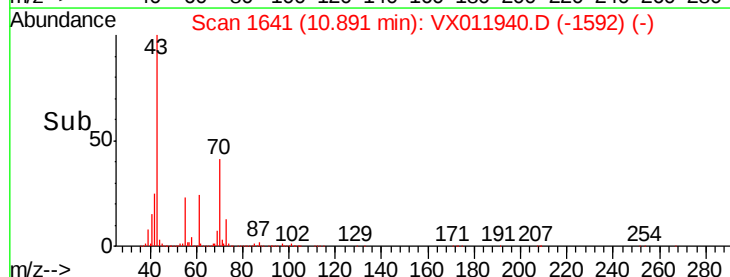
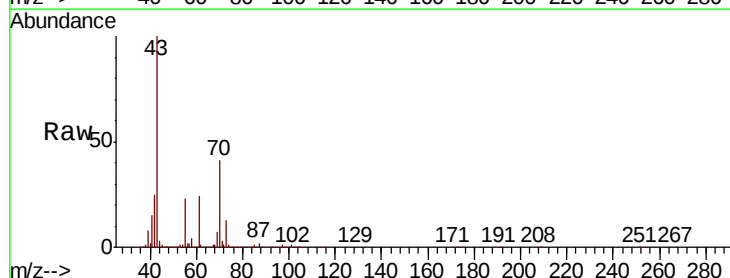
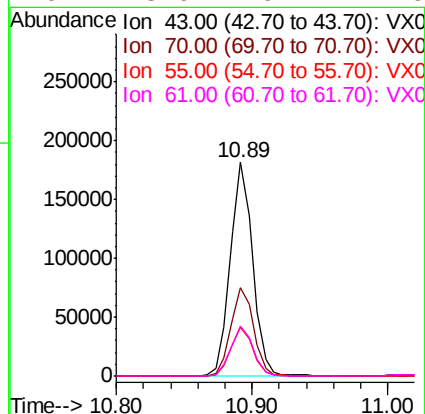
Ion Ratio Lower Upper

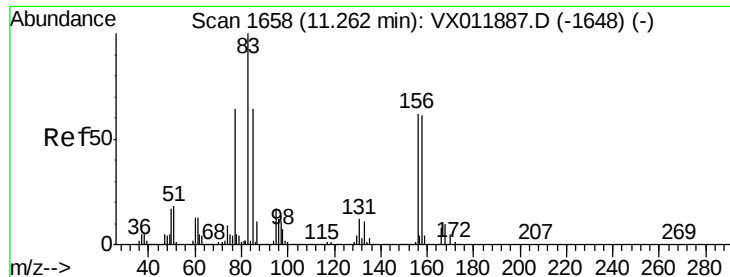
43 100

70 42.5 0.2 0.2#

55 22.7 0.1 0.1#

61 23.9 16.4 24.6





#75

1,1,2,2-Tetrachloroethane

Concen: 57.138 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX011940.D

Acq: 31 Aug 2019 07:27

Instrument :

MSVOA_X

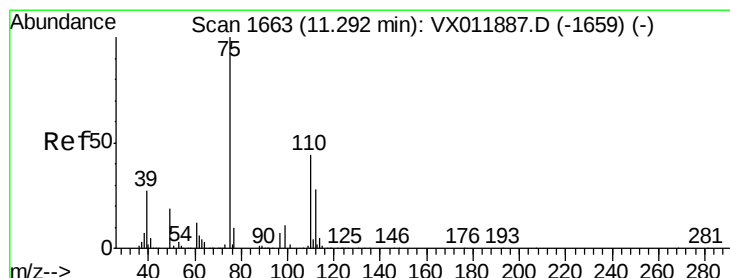
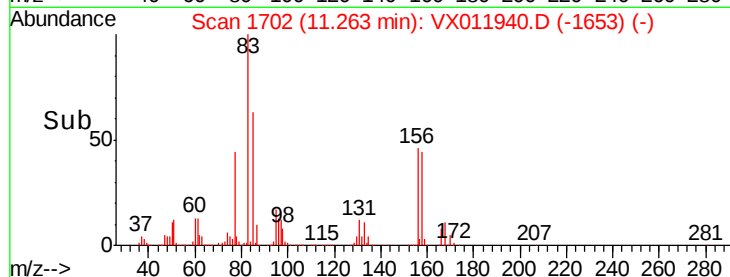
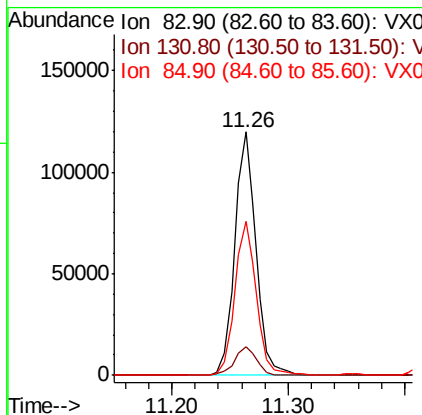
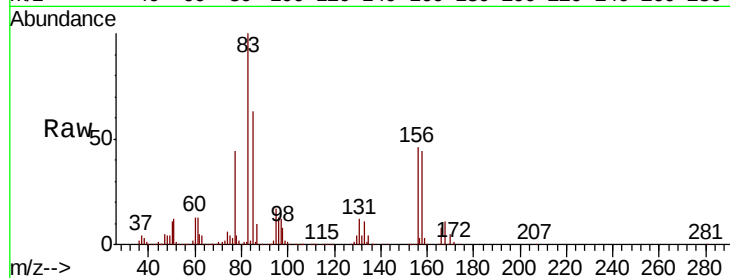
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	151712
Ion Ratio	Lower	Upper	
83	100		
131	12.2	6.0	18.0
85	64.3	31.9	95.9

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#76

1,2,3-Trichloropropane

Concen: 59.594 ug/l m

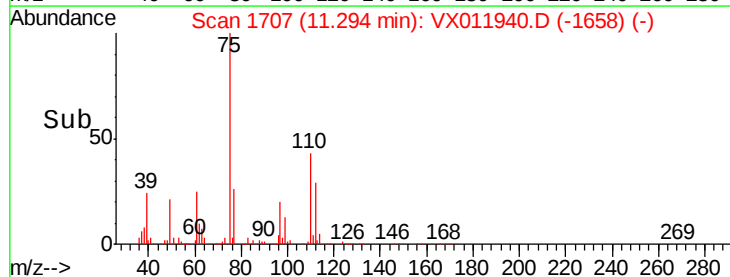
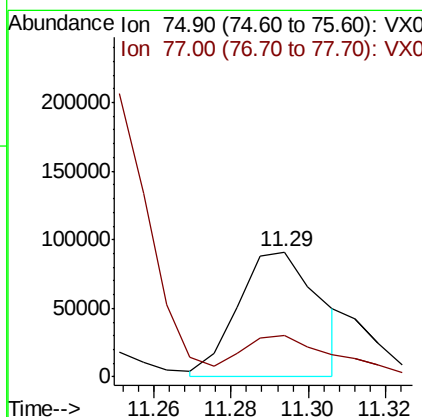
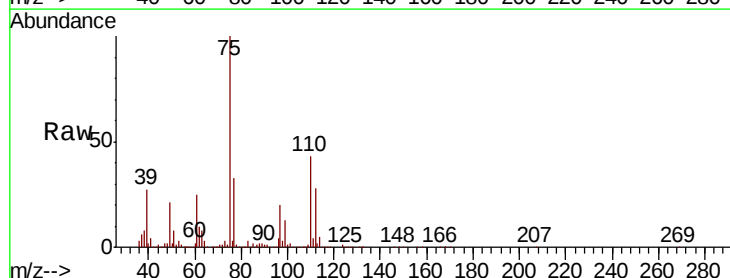
RT: 11.29 min Scan# 1707

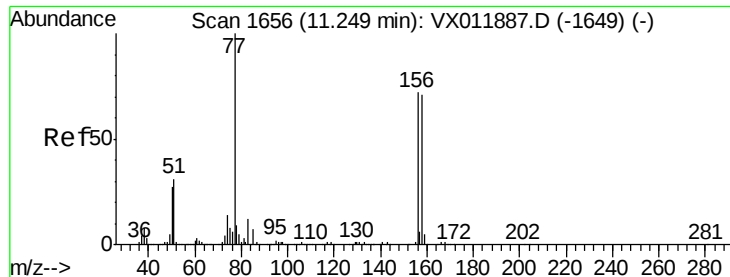
Delta R.T. 0.00 min

Lab File: VX011940.D

Acq: 31 Aug 2019 07:27

Tgt Ion:	75	Resp:	132367
Ion Ratio	Lower	Upper	
75	100		
77	38.1	20.9	62.7





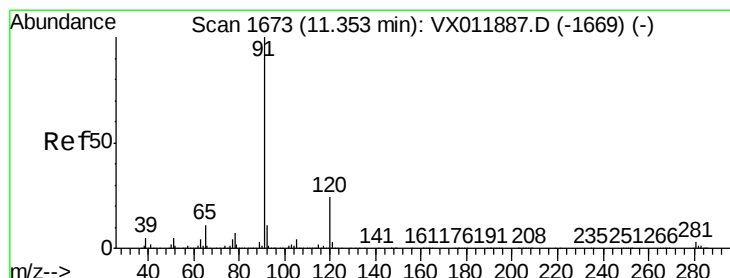
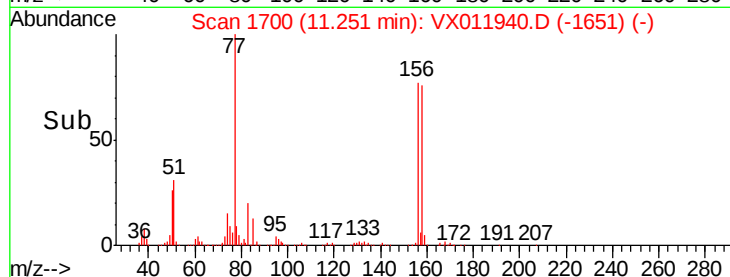
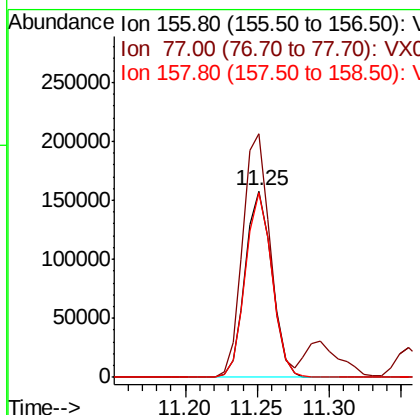
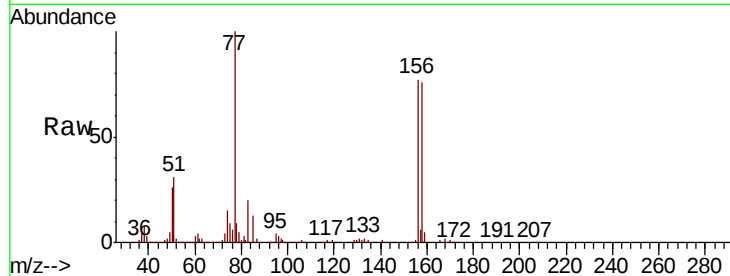
#77
Bromobenzene
Concen: 54.057 ug/l
RT: 11.25 min Scan# 1700
Delta R.T. 0.00 min
Lab File: VX011940.D
Acq: 31 Aug 2019 07:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	133.4	68.1	204.3
158	98.0	48.9	146.8

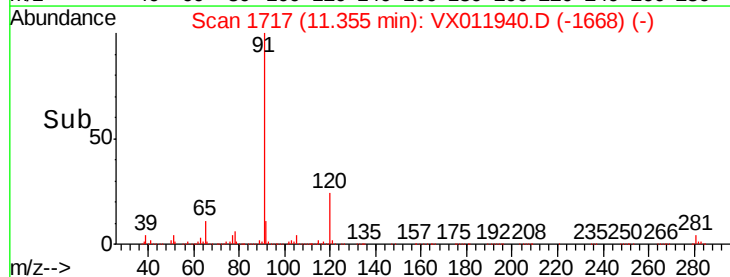
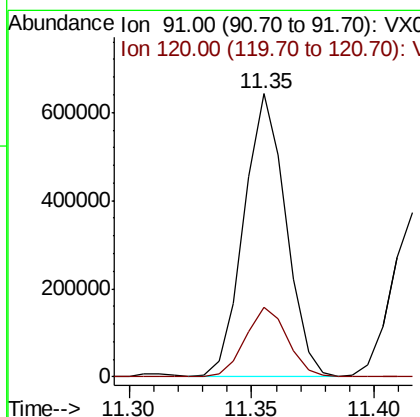
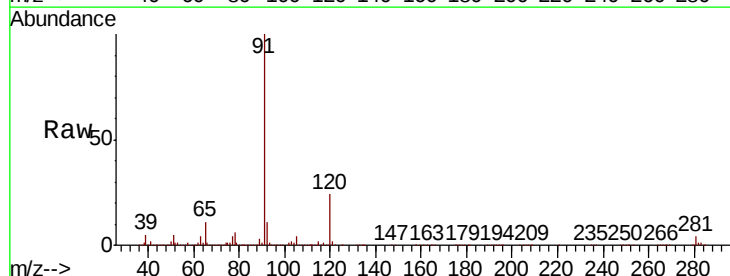
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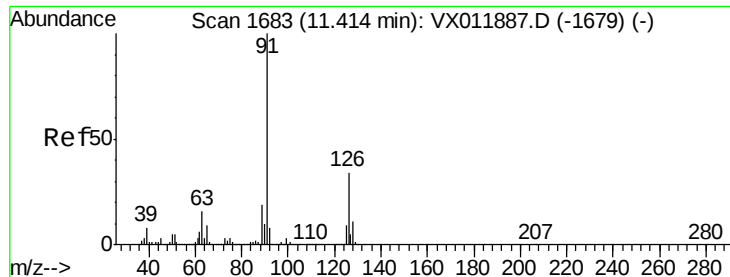
MMDadoda
9/3/2019 2:41:12 AM



#78
n-propylbenzene
Concen: 51.685 ug/l
RT: 11.35 min Scan# 1717
Delta R.T. 0.00 min
Lab File: VX011940.D
Acq: 31 Aug 2019 07:27

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.7	12.3	36.9





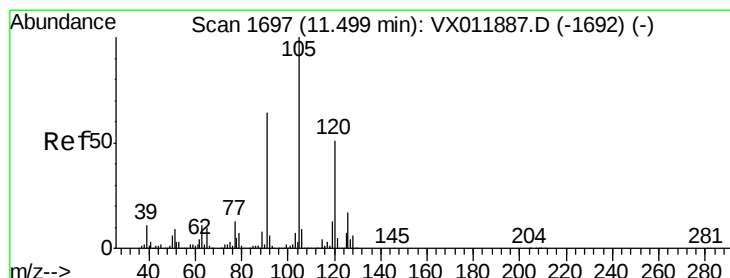
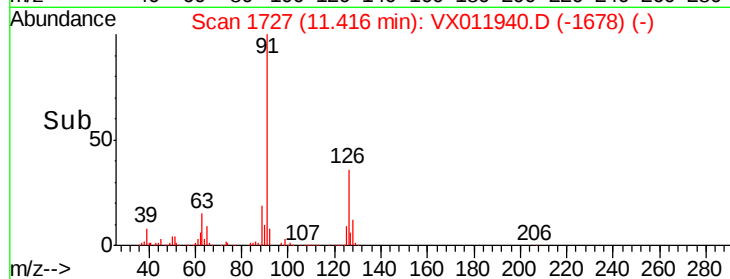
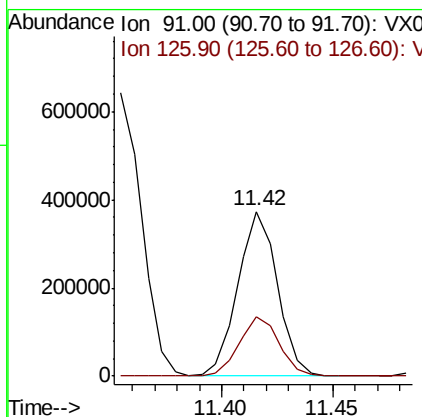
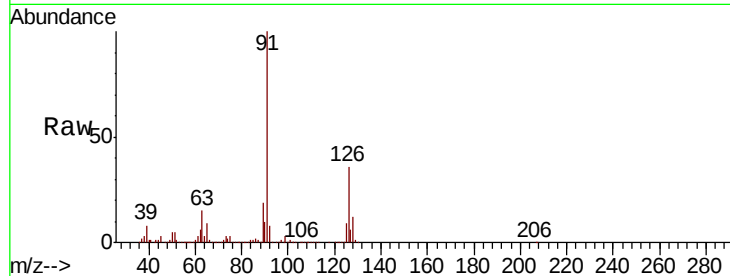
#79
 2-Chlorotoluene
 Concen: 52.222 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. 0.00 min
 Lab File: VX011940.D
 Acq: 31 Aug 2019 07:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
126	36.7	17.9	53.8	

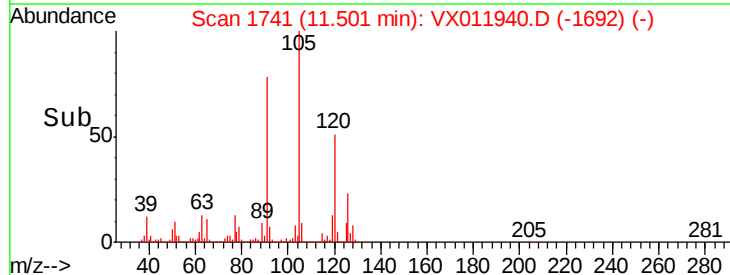
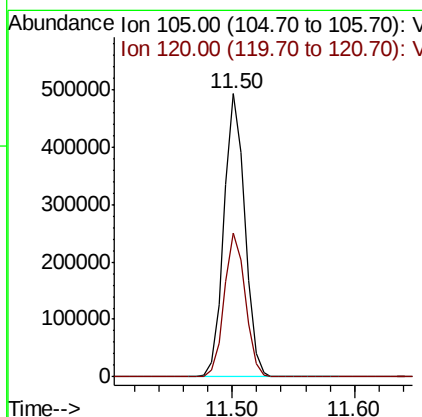
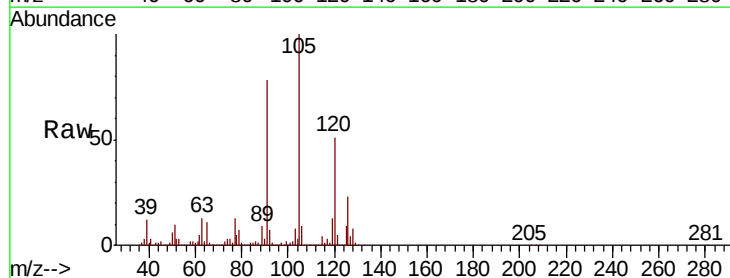
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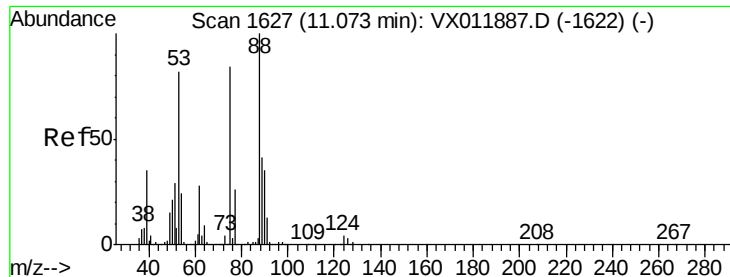
MMDadoda
 9/3/2019 2:41:12 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 51.913 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX011940.D
 Acq: 31 Aug 2019 07:27

Tgt Ion	Ion	Ratio	Lower	Upper
105	100			
120	51.2	25.3	75.9	





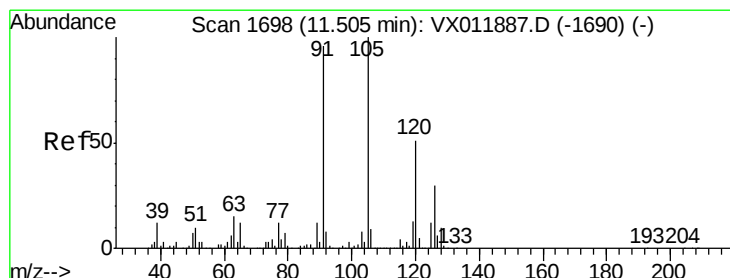
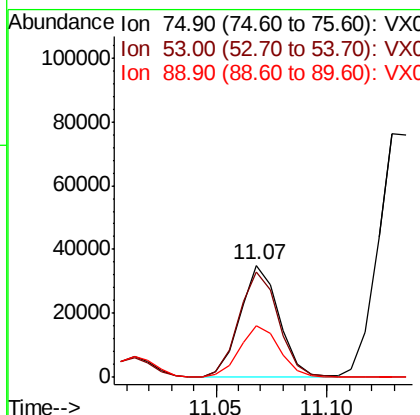
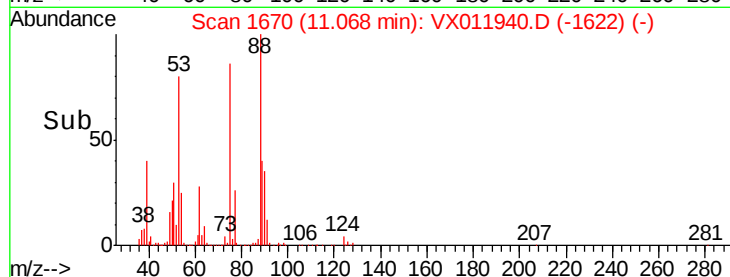
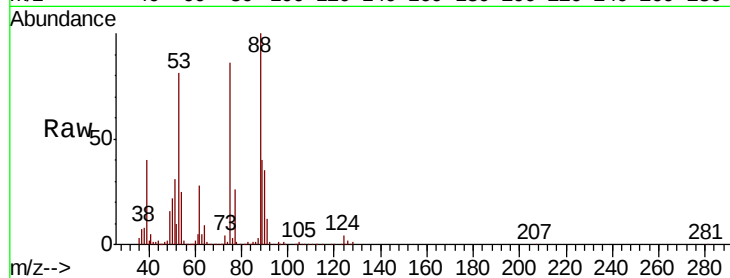
#81
trans-1,4-Dichloro-2-butene
Concen: 48.182 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VX011940.D
Acq: 31 Aug 2019 07:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.9	77.1	115.7
89	47.8	38.2	57.2

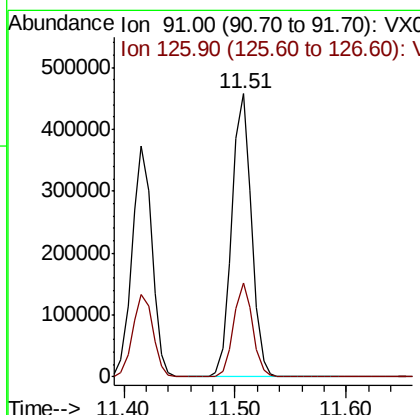
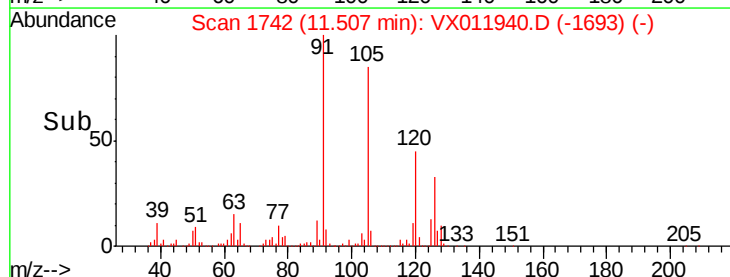
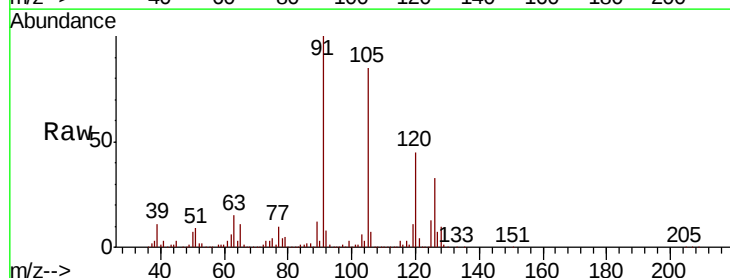
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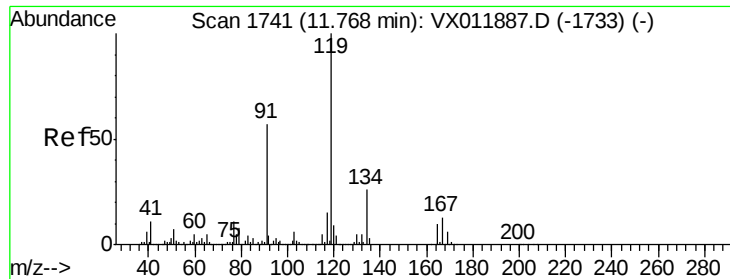
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#82
4-Chlorotoluene
Concen: 52.374 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX011940.D
Acq: 31 Aug 2019 07:27

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.0	15.9	47.6





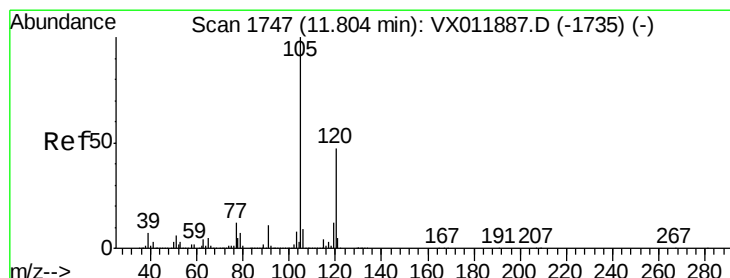
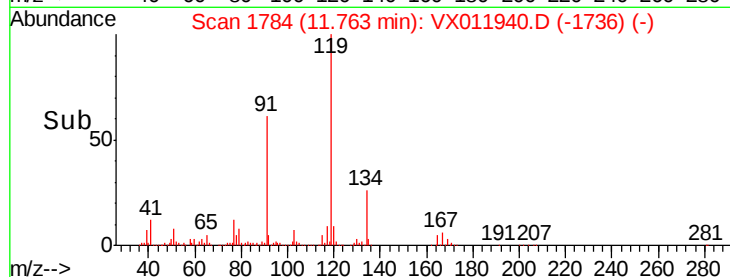
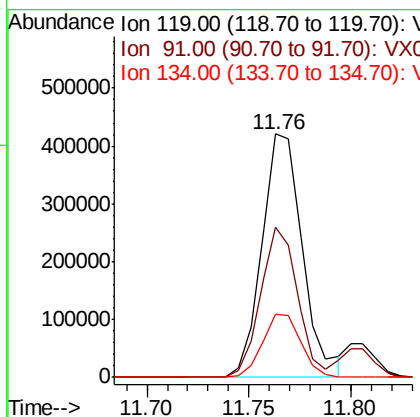
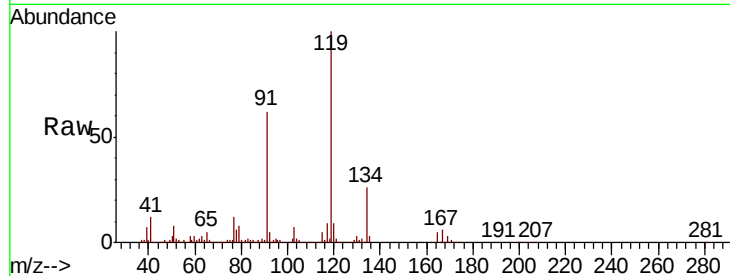
#83
tert-Butylbenzene
Concen: 51.274 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. -0.00 min
Lab File: VX011940.D
Acq: 31 Aug 2019 07:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	56.5	27.9	83.6
134	24.6	12.3	36.8

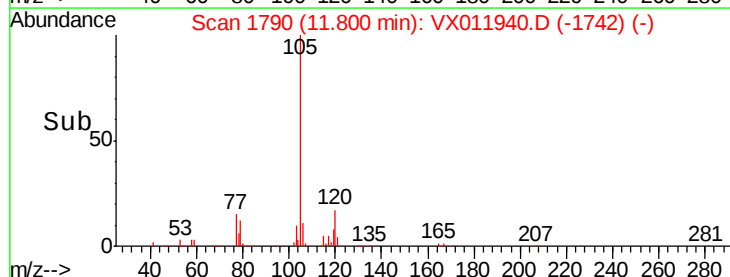
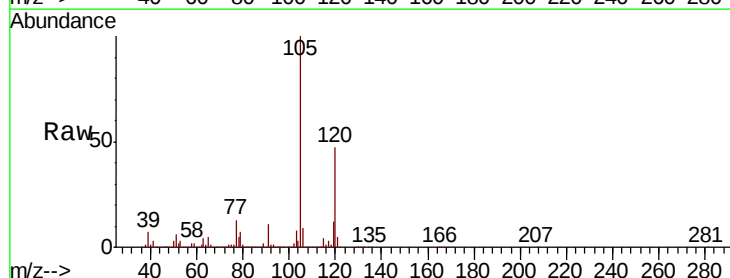
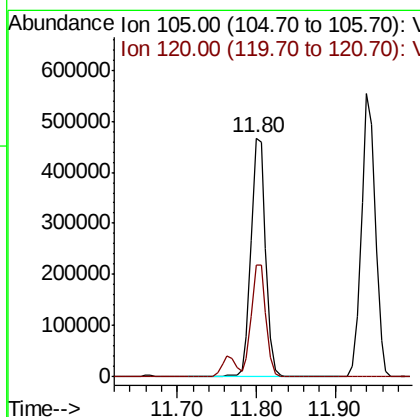
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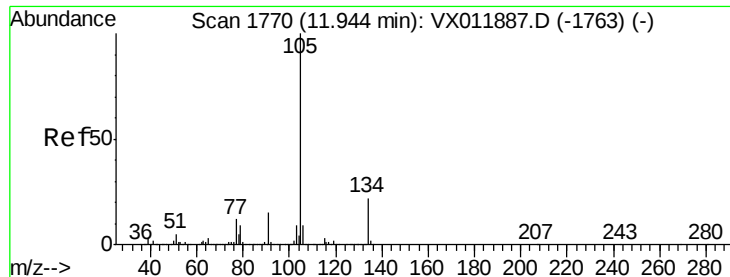
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 52.363 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. -0.00 min
Lab File: VX011940.D
Acq: 31 Aug 2019 07:27

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.6	23.4	70.3





#85

sec-Butylbenzene

Concen: 51.511 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX011940.D

Acq: 31 Aug 2019 07:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 679846

Ion Ratio Lower Upper

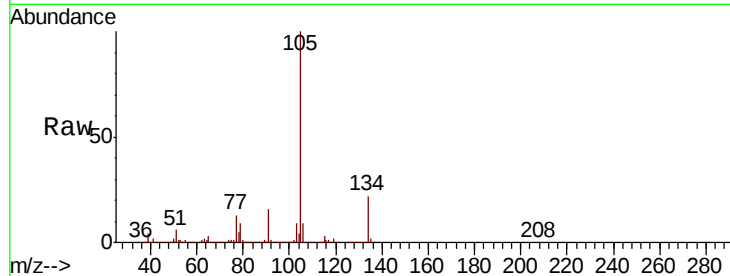
105 100

134 22.2 10.9 32.7

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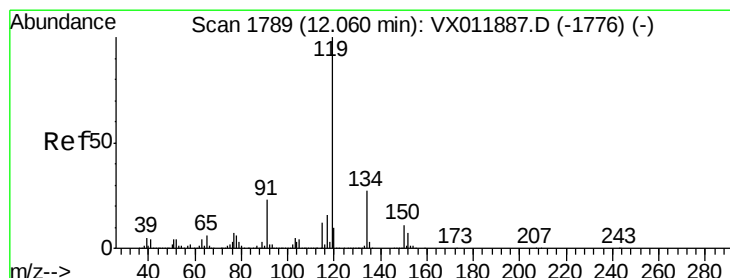
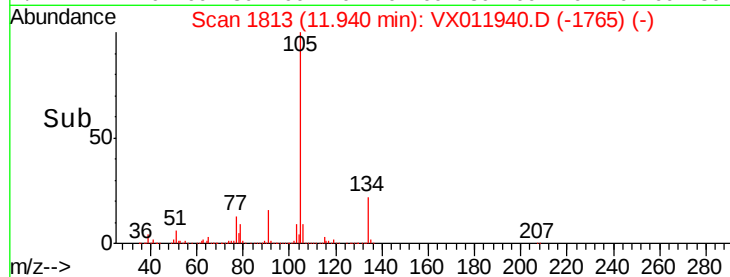
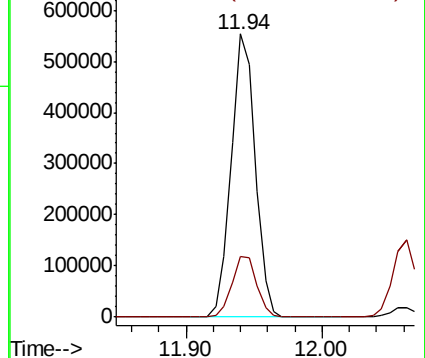
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.557 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX011940.D

Acq: 31 Aug 2019 07:27

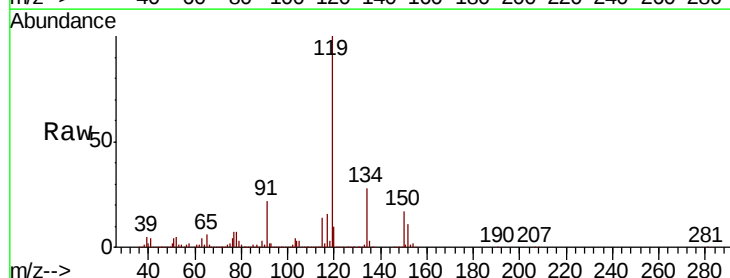
Tgt Ion:119 Resp: 659815

Ion Ratio Lower Upper

119 100

134 27.3 13.7 41.0

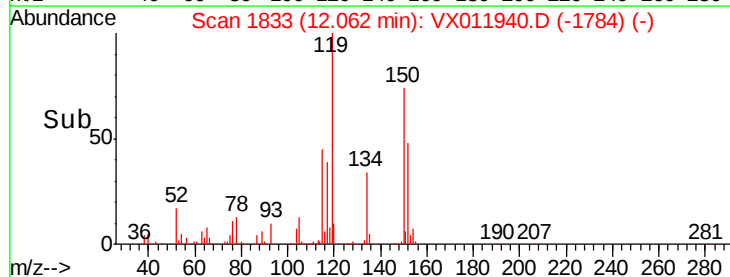
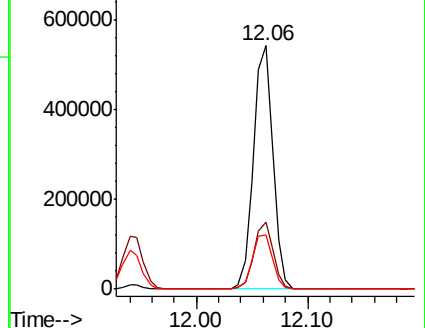
91 23.1 11.6 34.7

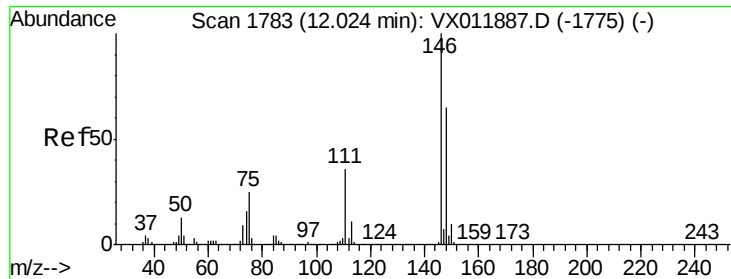


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





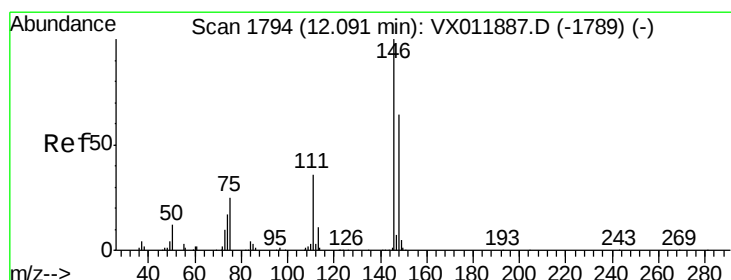
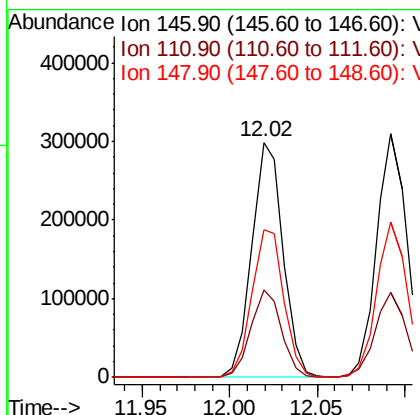
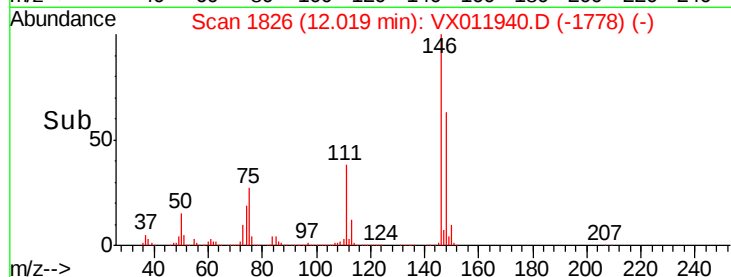
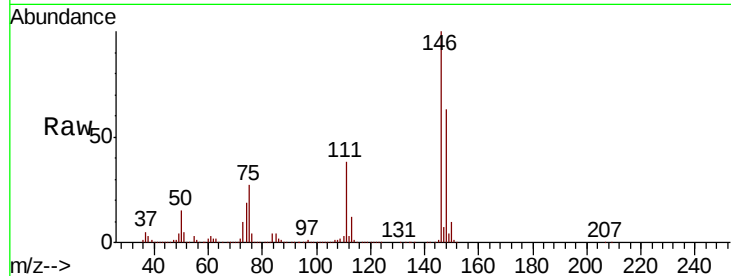
#87
 1,3-Dichlorobenzene
 Concen: 52.942 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX011940.D
 Acq: 31 Aug 2019 07:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.4	55.2
148	64.3	32.1	96.5

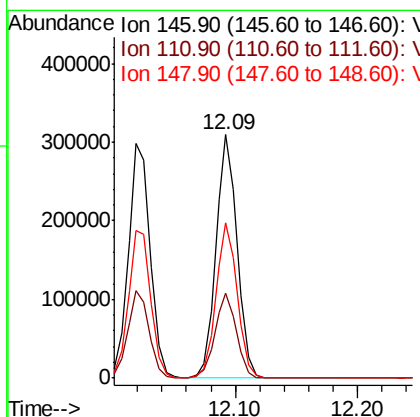
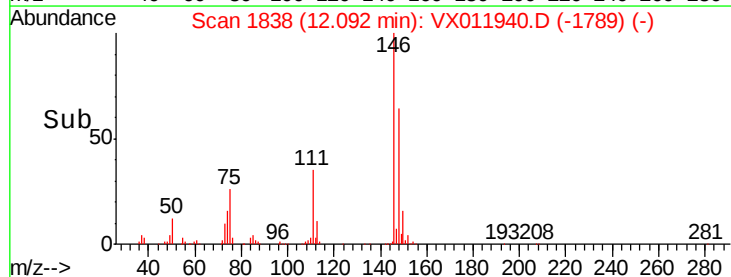
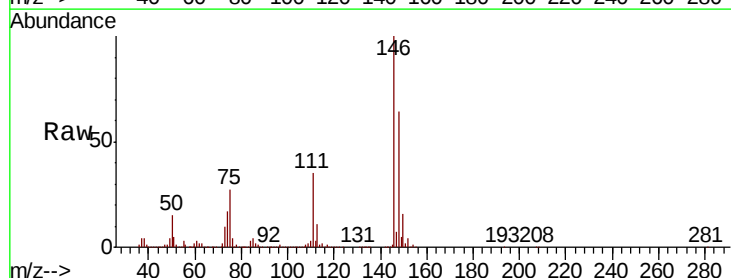
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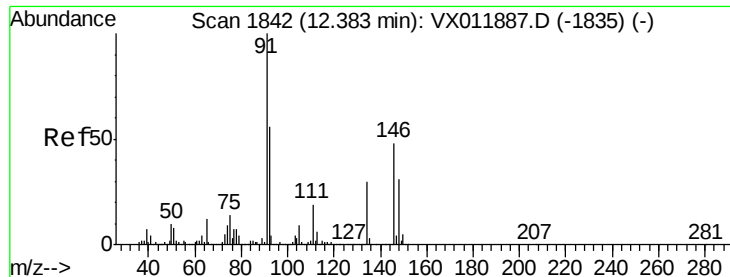
MMDadoda
 9/3/2019 2:41:12 AM



#88
 1,4-Dichlorobenzene
 Concen: 52.790 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX011940.D
 Acq: 31 Aug 2019 07:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.4	17.9	53.7
148	64.1	32.4	97.0





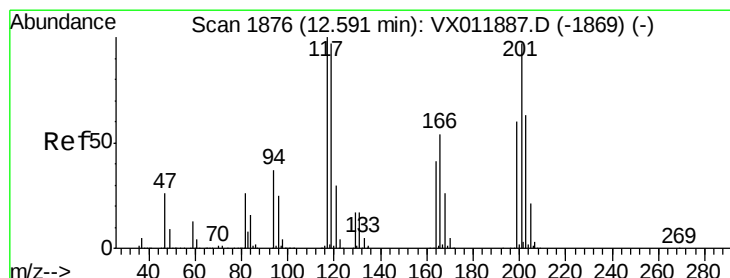
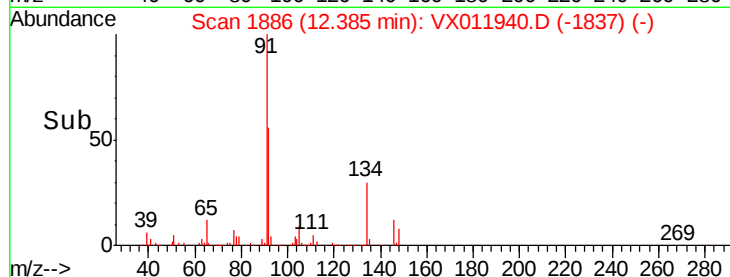
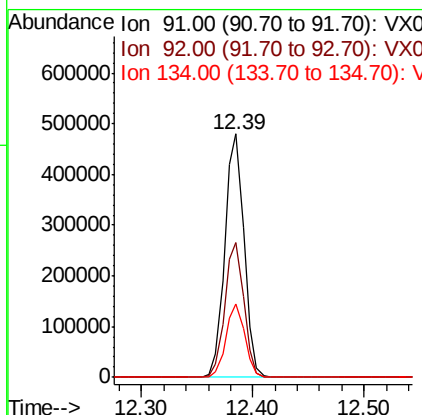
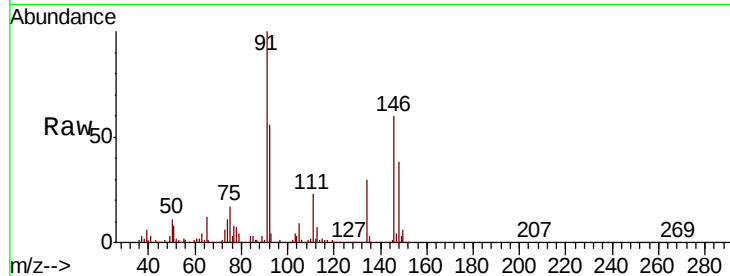
#89
n-Butylbenzene
Concen: 50.358 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX011940.D
Acq: 31 Aug 2019 07:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.1	27.6	82.8
134	29.4	14.8	44.3

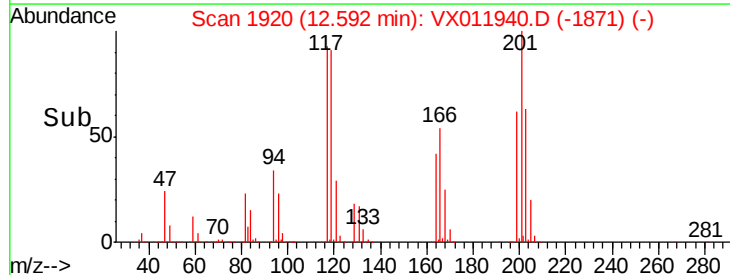
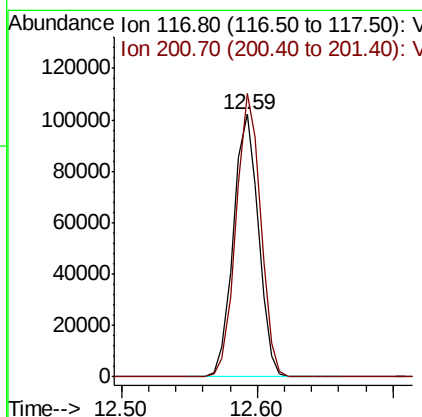
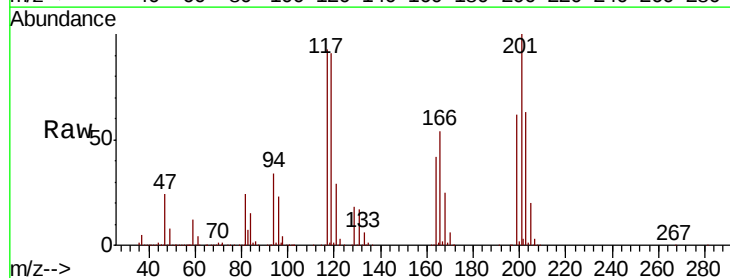
Manual Integrations
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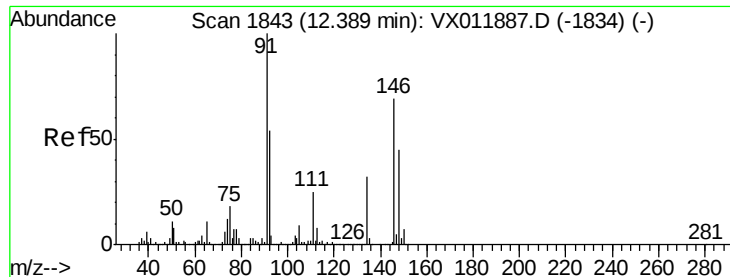
MMDadoda
9/3/2019 2:41:12 AM



#90
Hexachloroethane
Concen: 52.794 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX011940.D
Acq: 31 Aug 2019 07:27

Tgt Ion	Ratio	Lower	Upper
117	100		
201	105.9	52.8	158.5





#91

1,2-Dichlorobenzene

Concen: 54.207 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX011940.D

Acq: 31 Aug 2019 07:27

Instrument :

MSVOA_X

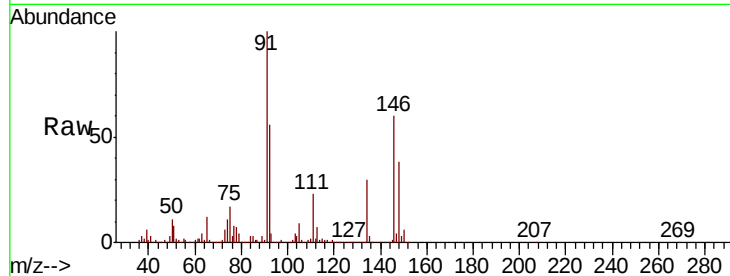
ClientSampleId :

VSTDCCC050EC

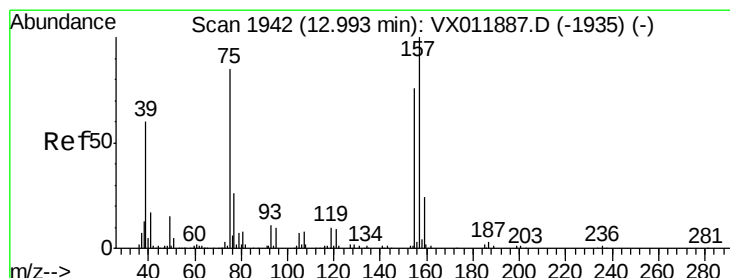
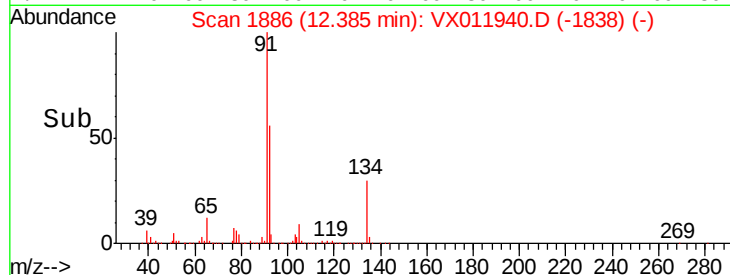
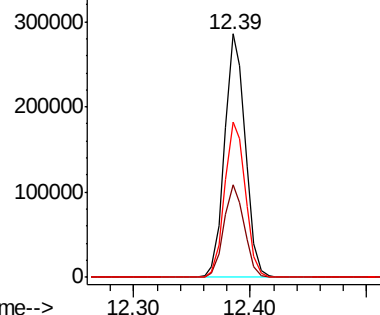
Tot Ion:	146	Resp:	352431
Ion Ratio	Lower	Upper	
146	100		
111	37.8	18.9	56.5
148	64.3	32.1	96.3

Manual Integrations
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9/3/2019 2:41:12 AM



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 59.873 ug/l

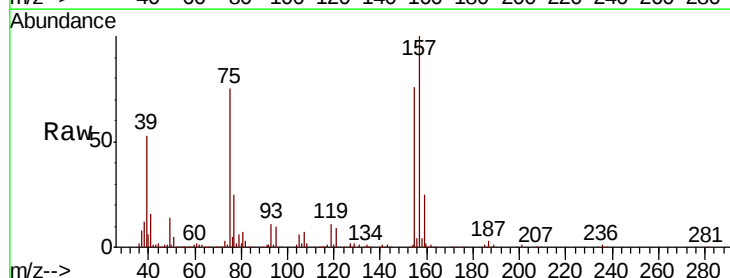
RT: 12.99 min Scan# 1986

Delta R.T. 0.00 min

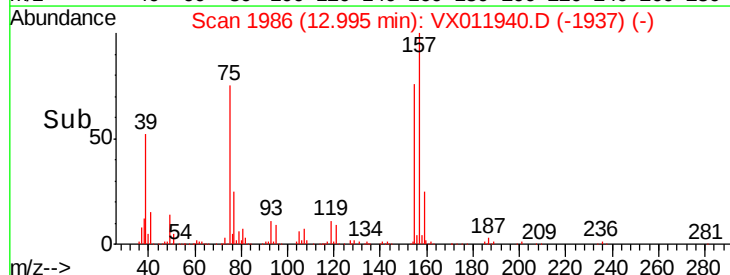
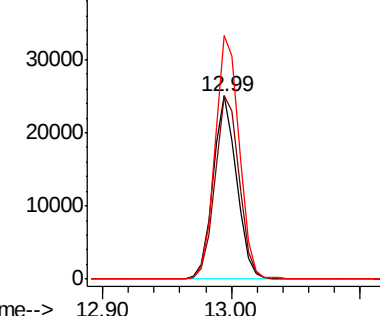
Lab File: VX011940.D

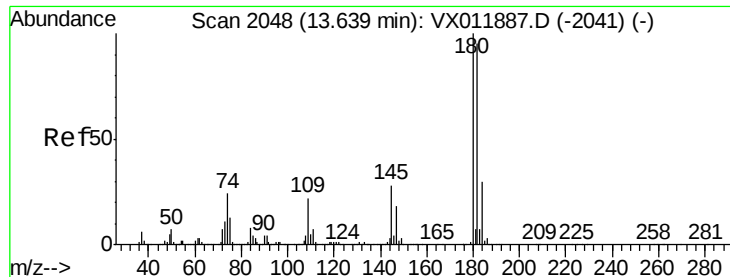
Acq: 31 Aug 2019 07:27

Tgt Ion:	75	Resp:	31667
Ion Ratio	Lower	Upper	
75	100		
155	102.3	50.1	150.4
157	134.7	63.9	191.7



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





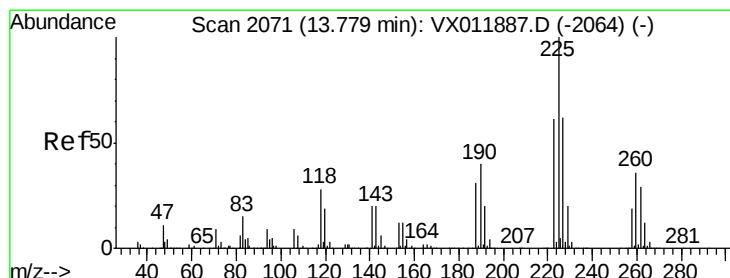
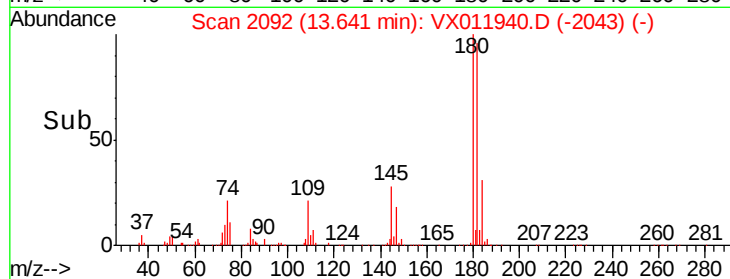
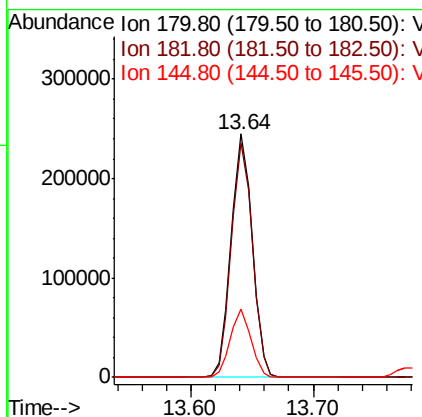
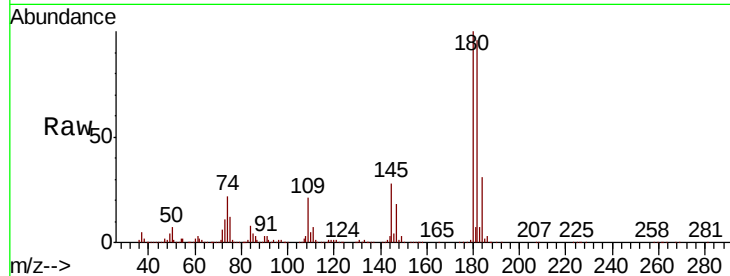
#93
 1,2,4-Trichlorobenzene
 Concen: 53.266 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX011940.D
 Acq: 31 Aug 2019 07:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	291606		
182	96.5	48.1	144.4	
145	27.5	13.8	41.3	

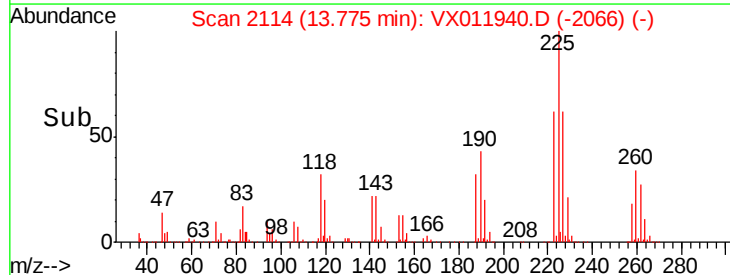
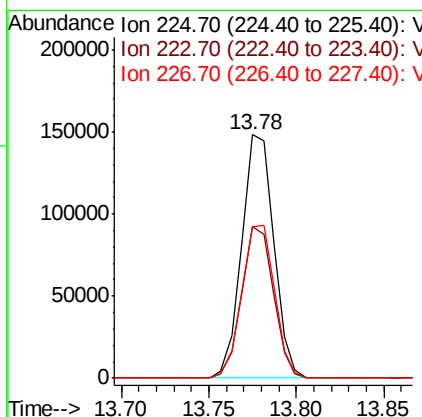
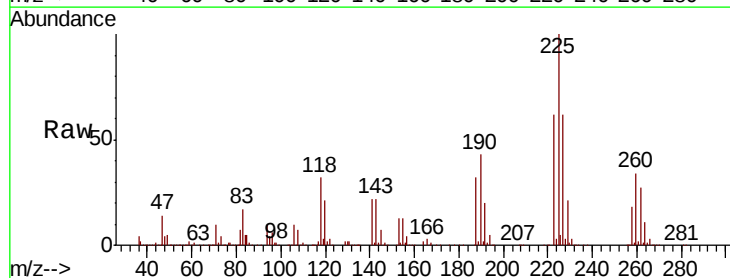
Manual Integrations
 APPROVED

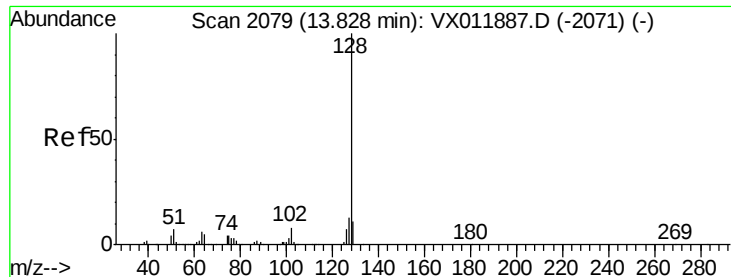
MMDadoda
 9/3/2019 2:41:12 AM



#94
 Hexachlorobutadiene
 Concen: 51.965 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VX011940.D
 Acq: 31 Aug 2019 07:27

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	189983		
223	61.9	30.8	92.3	
227	64.4	31.9	95.7	





#95

Naphthalene

Concen: 58.627 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX011940.D

Acq: 31 Aug 2019 07:27

Instrument :

MSVOA_X

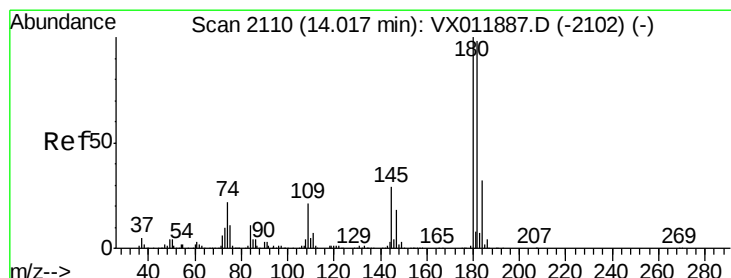
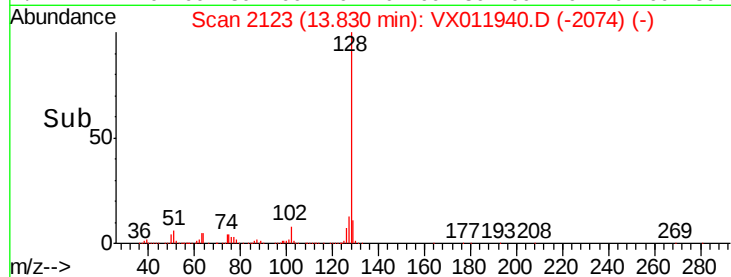
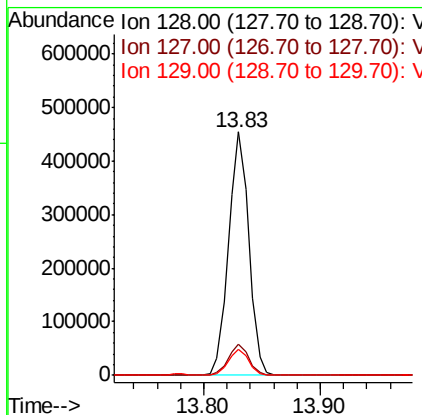
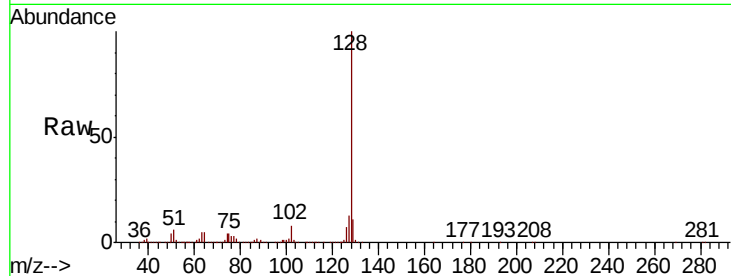
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	550825
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	10.8	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
9/3/2019 2:41:12 AM



#96

1,2,3-Trichlorobenzene

Concen: 54.828 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. -0.00 min

Lab File: VX011940.D

Acq: 31 Aug 2019 07:27

Tgt Ion:	180	Resp:	271426
Ion Ratio	Lower	Upper	
180	100		
182	97.9	48.3	144.8
145	29.3	14.6	43.8

