

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082319\
 Data File : VX011785.D
 Acq On : 23 Aug 2019 09:43
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/26/2019 11:40:50 AM

Quant Time: Aug 26 02:03:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082219W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 23 01:48:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	446646	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	578795	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	528517	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	297896	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	203193	45.29	ug/l	0.00
Spiked Amount			Recovery	=	90.58%	
35) Dibromofluoromethane	5.49	113	185756	49.63	ug/l	0.00
Spiked Amount			Recovery	=	99.26%	
50) Toluene-d8	8.71	98	681317	52.19	ug/l	0.00
Spiked Amount			Recovery	=	104.38%	
62) 4-Bromofluorobenzene	11.13	95	251042	48.65	ug/l	0.00
Spiked Amount			Recovery	=	97.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	209072	50.155	ug/l	99
3) Chloromethane	1.32	50	180722	49.437	ug/l	97
4) Vinyl Chloride	1.40	62	184222	50.411	ug/l	99
5) Bromomethane	1.63	94	85880	42.659	ug/l	100
6) Chloroethane	1.71	64	106681	49.929	ug/l	97
7) Trichlorofluoromethane	1.92	101	293771	50.492	ug/l	99
8) Diethyl Ether	2.18	74	98541	49.809	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	176780	49.102	ug/l	96
10) Methyl Iodide	2.50	142	240090	54.597	ug/l	98
11) Tert butyl alcohol	3.04	59	191399	215.876	ug/l	100
12) 1,1-Dichloroethene	2.37	96	171161	48.756	ug/l	99
13) Acrolein	2.29	56	92708	270.501	ug/l	96
14) Allyl chloride	2.72	41	260580	47.491	ug/l	97
15) Acrylonitrile	3.14	53	478934	236.168	ug/l	99
16) Acetone	2.43	43	443764	227.362	ug/l	97
17) Carbon Disulfide	2.56	76	431213	48.582	ug/l	99
18) Methyl Acetate	2.76	43	249649	47.138	ug/l	97
19) Methyl tert-butyl Ether	3.18	73	538370	47.808	ug/l	99
20) Methylene Chloride	2.85	84	182868	45.827	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	181740	47.996	ug/l	99
22) Diisopropyl ether	3.85	45	514460	48.351	ug/l	96
23) Vinyl Acetate	3.81	43	2096351	237.965	ug/l	100
24) 1,1-Dichloroethane	3.69	63	297492	47.355	ug/l	99
25) 2-Butanone	4.66	43	654411	233.590	ug/l	98
26) 2,2-Dichloropropane	4.57	77	252824	47.391	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	205716	47.374	ug/l	97
28) Bromochloromethane	5.01	49	135320	47.453	ug/l	93
29) Tetrahydrofuran	5.12	42	411915	229.370	ug/l	97
30) Chloroform	5.20	83	313126	45.942	ug/l	99
31) Cyclohexane	5.57	56	277498	50.297	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	287115	48.461	ug/l	98
36) 1,1-Dichloropropene	5.79	75	242410	53.408	ug/l	98
37) Ethyl Acetate	4.82	43	234782	48.881	ug/l	99
38) Carbon Tetrachloride	5.77	117	266944	51.896	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	302729	53.824	ug/l	98
40) Benzene	6.13	78	720397	51.309	ug/l	98
41) Methacrylonitrile	5.03	41	134162	48.028	ug/l	96
42) 1,2-Dichloroethane	6.18	62	244312	47.600	ug/l	98
43) Isopropyl Acetate	6.43	43	375263	48.271	ug/l	97
44) Trichloroethene	7.21	130	226668	52.371	ug/l	94
45) 1,2-Dichloropropane	7.51	63	176532	50.021	ug/l	100
46) Dibromomethane	7.65	93	124963	48.028	ug/l	93
47) Bromodichloromethane	7.89	83	236452	50.483	ug/l	99
48) Methyl methacrylate	7.76	41	187828	48.549	ug/l	96
49) 1,4-Dioxane	7.73	88	99542	928.609	ug/l	96
51) 4-Methyl-2-Pentanone	8.63	43	1278233	249.533	ug/l	99
52) Toluene	8.78	92	466681	51.363	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	264563	53.806	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	288294	53.746	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	193309	51.067	ug/l	99
56) Ethyl methacrylate	9.17	69	286179	53.158	ug/l	99
57) 1,3-Dichloropropane	9.37	76	306313	50.114	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.30	63	764303	269.888	ug/l	100
59) 2-Hexanone	9.49	43	986035	250.793	ug/l	98
60) Dibromochloromethane	9.58	129	217994	53.263	ug/l	99
61) 1,2-Dibromoethane	9.66	107	209317	51.534	ug/l	100
64) Tetrachloroethene	9.33	164	226458	53.709	ug/l	97
65) Chlorobenzene	10.13	112	531213	51.482	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	203757	52.705	ug/l	100
67) Ethyl Benzene	10.25	91	894486	51.874	ug/l	97
68) m/p-Xylenes	10.35	106	716844	107.816	ug/l	97
69) o-Xylene	10.69	106	345338	52.903	ug/l	95
70) Styrene	10.71	104	594868	54.474	ug/l	97
71) Bromoform	10.85	173	180862	54.230	ug/l	97
73) Isopropylbenzene	11.01	105	926753	51.623	ug/l	100
74) N-amyl acetate	10.90	43	336091	48.357	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.26	83	285291	48.011	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	247101m	47.273	ug/l	
77) Bromobenzene	11.25	156	272154	51.423	ug/l	96
78) n-propylbenzene	11.35	91	1011002	52.667	ug/l	99
79) 2-Chlorotoluene	11.41	91	596865	49.978	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	787784	52.594	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	88367	50.983	ug/l	95
82) 4-Chlorotoluene	11.51	91	696696	50.610	ug/l	97
83) tert-Butylbenzene	11.77	119	791621	53.567	ug/l	96
84) 1,2,4-Trimethylbenzene	11.80	105	800359	52.913	ug/l	99
85) sec-Butylbenzene	11.94	105	906976	53.652	ug/l	99
86) p-Isopropyltoluene	12.06	119	895210	55.040	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	483709	53.074	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	477627	51.799	ug/l	98
89) n-Butylbenzene	12.38	91	722814	53.684	ug/l	99
90) Hexachloroethane	12.59	117	136928	54.189	ug/l	92
91) 1,2-Dichlorobenzene	12.39	146	471685	51.313	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	67850	49.122	ug/l	99

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VSTDCCC050

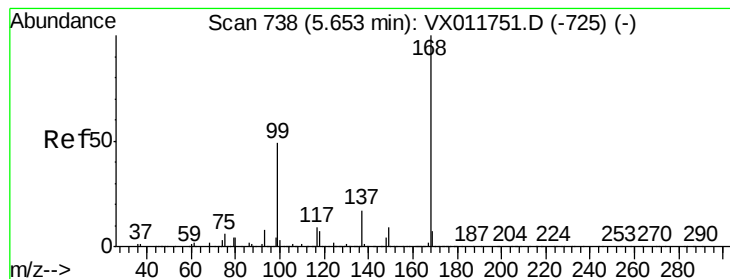
Manual Integrations
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	357149	52.820	ug/l	99
94) Hexachlorobutadiene	13.78	225	201952	54.506	ug/l	98
95) Naphthalene	13.83	128	1025869	55.087	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	372430	54.855	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.00 min

Lab File: VX011785.D

Acq: 23 Aug 2019 09:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 446646

Ion Ratio Lower Upper

168 100

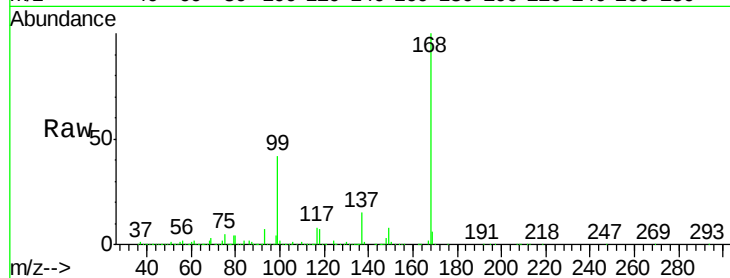
99 41.5 39.4 59.2

Manual Integrations

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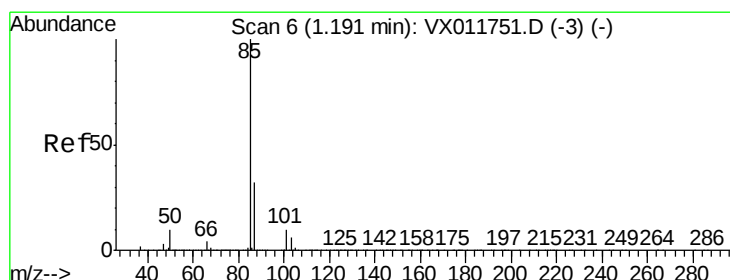
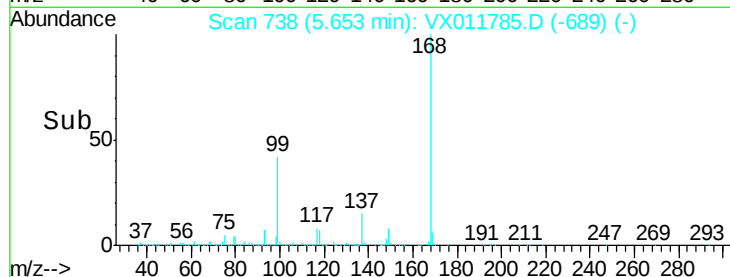
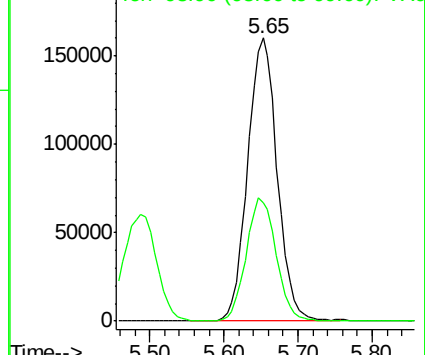
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 50.155 ug/l

RT: 1.19 min Scan# 6

Delta R.T. -0.00 min

Lab File: VX011785.D

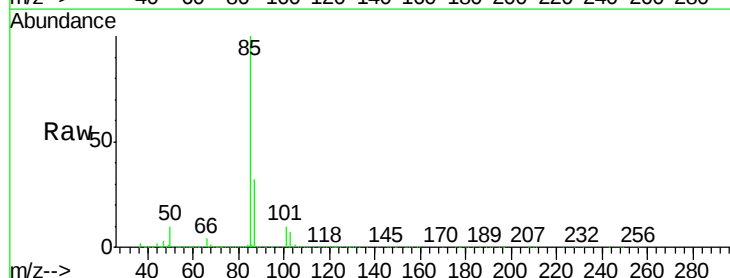
Acq: 23 Aug 2019 09:43

Tgt Ion: 85 Resp: 209072

Ion Ratio Lower Upper

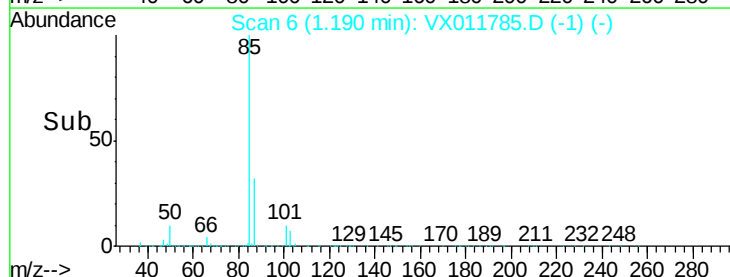
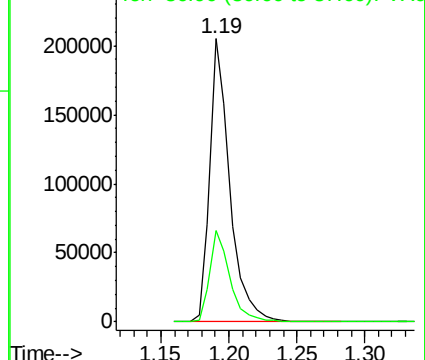
85 100

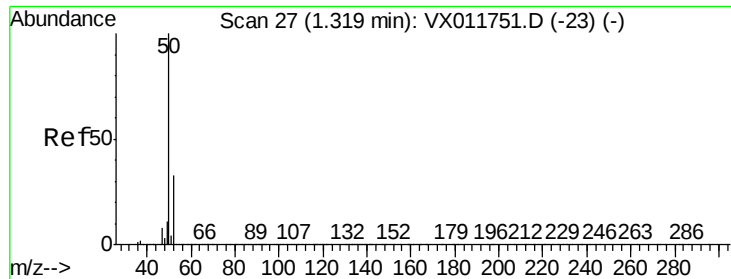
87 32.4 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 49.437 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX011785.D

Acq: 23 Aug 2019 09:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 180722

Ion Ratio Lower Upper

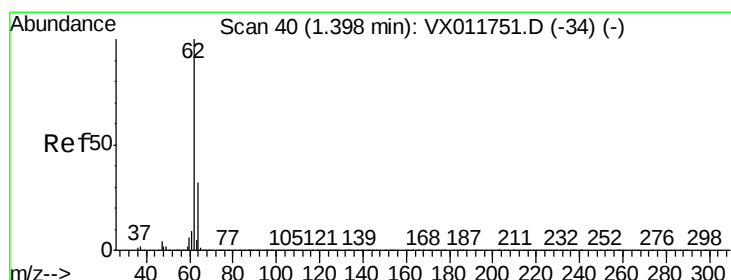
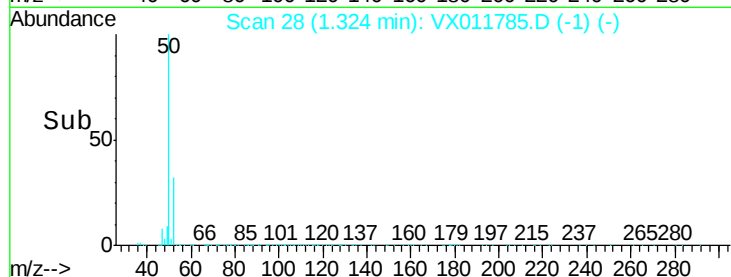
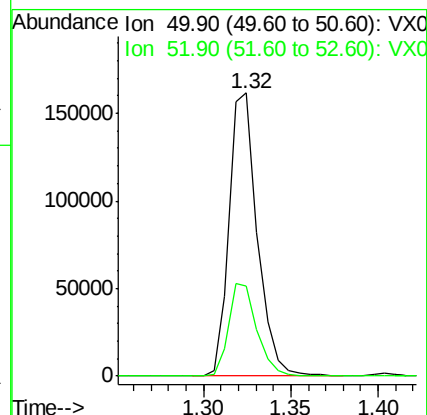
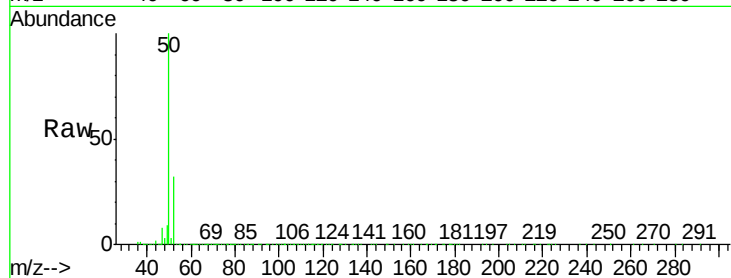
50 100

52 31.6 26.6 39.8

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#4

Vinyl Chloride

Concen: 50.411 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.01 min

Lab File: VX011785.D

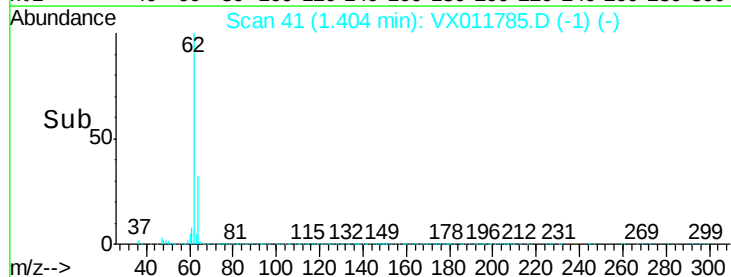
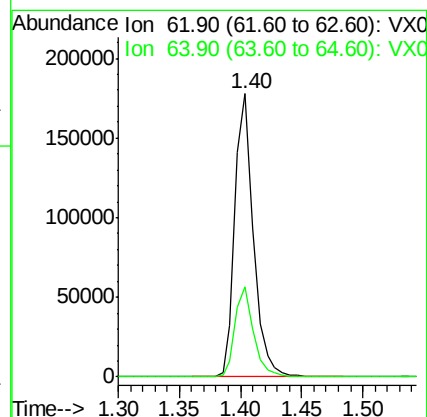
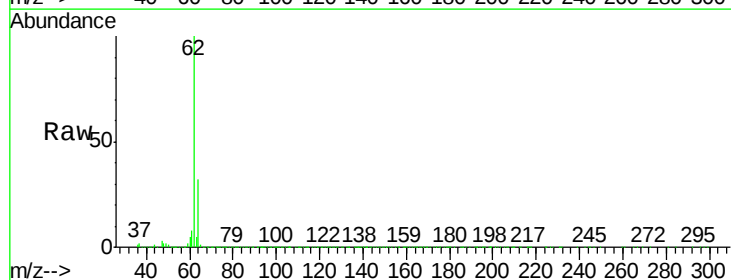
Acq: 23 Aug 2019 09:43

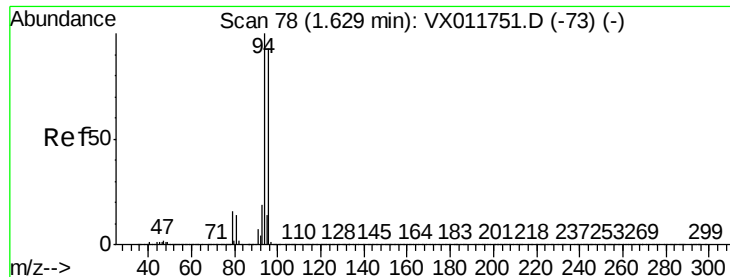
Tgt Ion: 62 Resp: 184222

Ion Ratio Lower Upper

62 100

64 31.5 25.5 38.3





#5

Bromomethane

Concen: 42.659 ug/l

RT: 1.63 min Scan# 78

Delta R.T. -0.00 min

Lab File: VX011785.D

Acq: 23 Aug 2019 09:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 85880

Ion Ratio Lower Upper

94 100

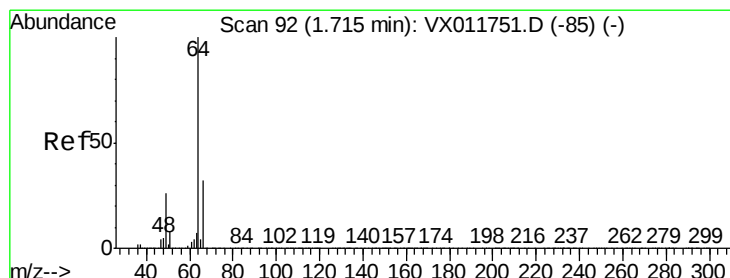
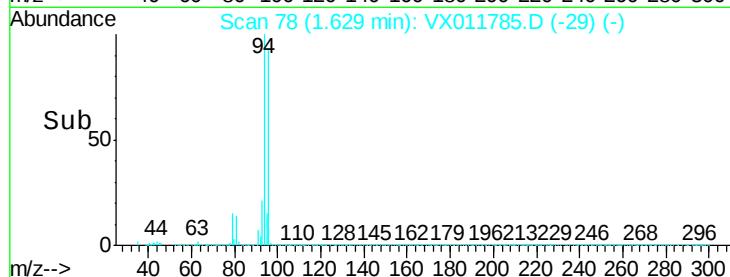
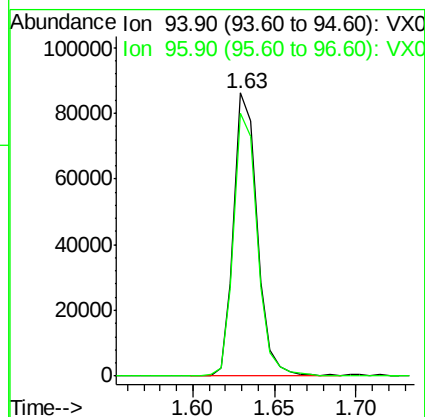
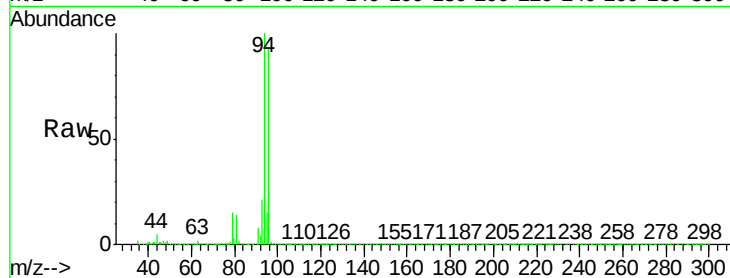
96 92.8 74.1 111.1

Manual Integrations

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#6

Chloroethane

Concen: 49.929 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX011785.D

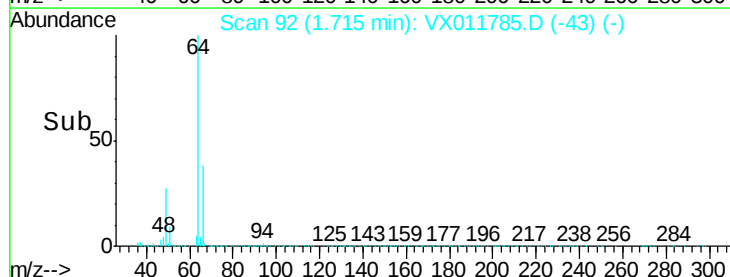
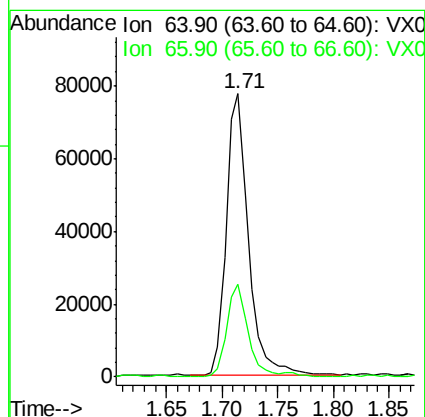
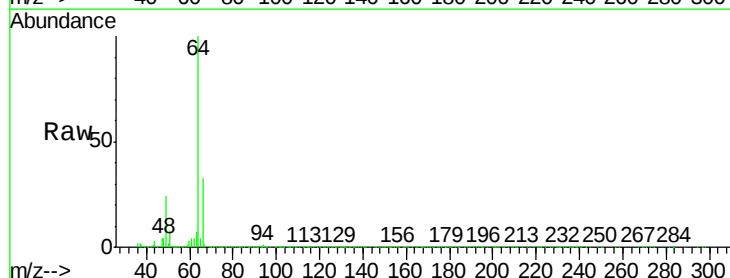
Acq: 23 Aug 2019 09:43

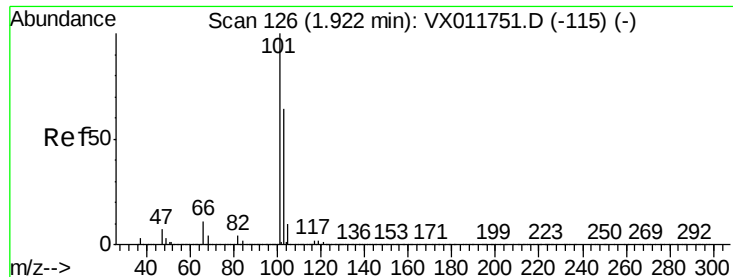
Tgt Ion: 64 Resp: 106681

Ion Ratio Lower Upper

64 100

66 32.5 24.9 37.3





#7

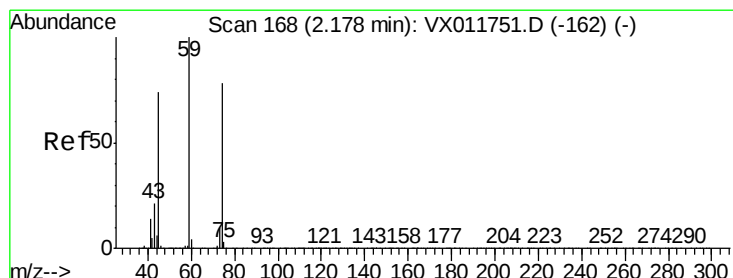
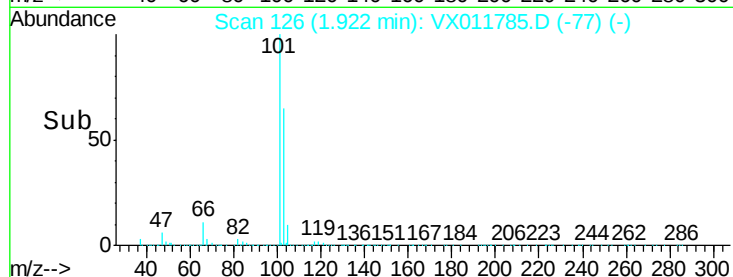
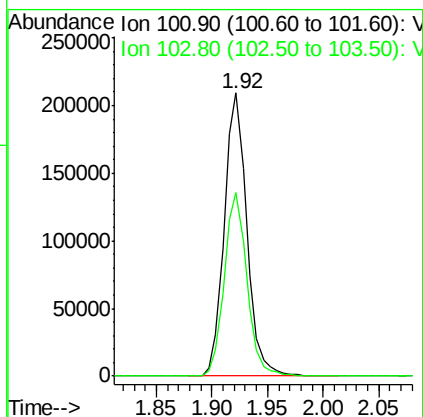
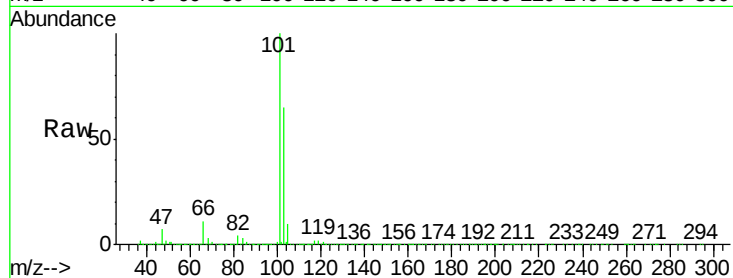
Trichlorofluoromethane
Concen: 50.492 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.00 min
Lab File: VX011785.D
Acq: 23 Aug 2019 09:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	51.2	76.8

Manual Integrations
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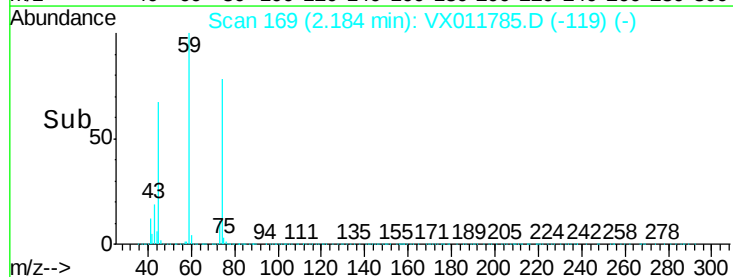
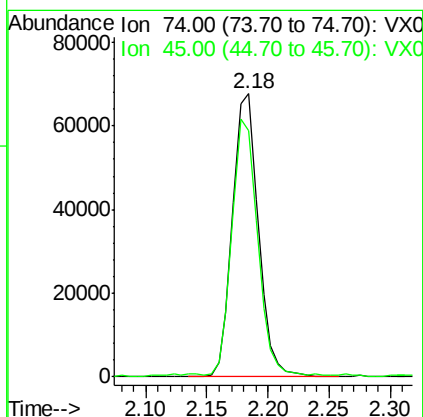
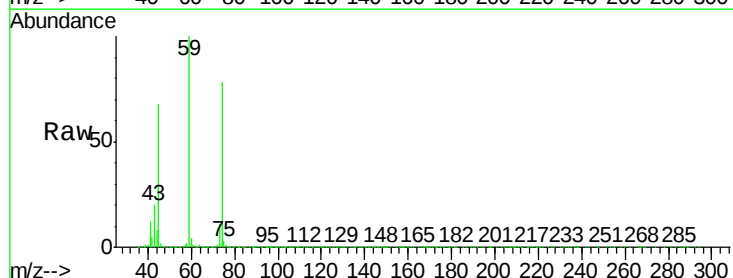
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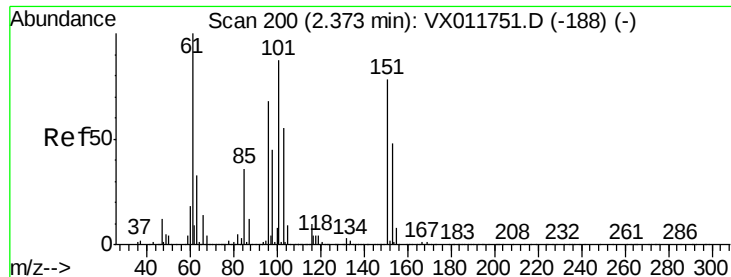


#8

Diethyl Ether
Concen: 49.809 ug/l
RT: 2.18 min Scan# 169
Delta R.T. 0.01 min
Lab File: VX011785.D
Acq: 23 Aug 2019 09:43

Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.3	46.7	140.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.102 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.00 min

Lab File: VX011785.D

Acq: 23 Aug 2019 09:43

Instrument :

MSVOA_X

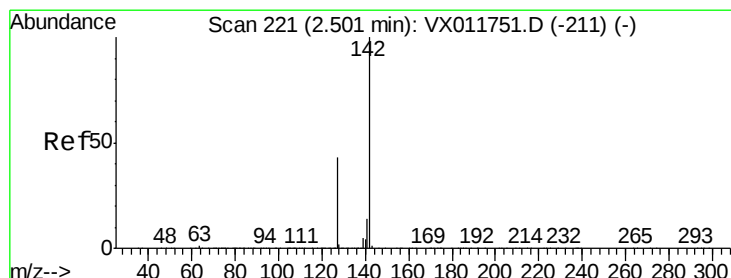
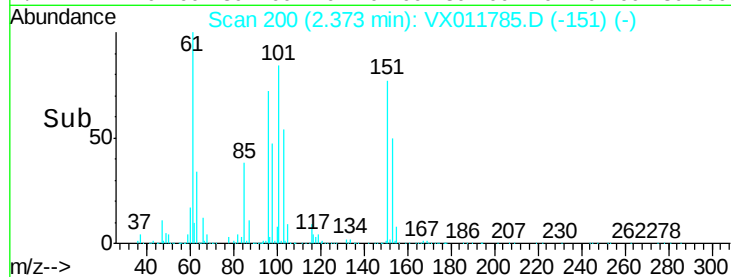
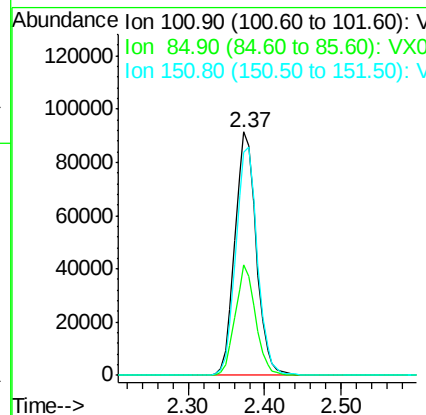
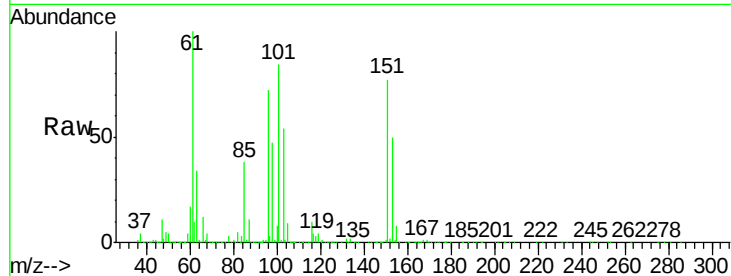
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	176780
Ion Ratio	Lower	Upper	
101	100		
85	42.9	33.7	50.5
151	95.0	71.4	107.2

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#10

Methyl Iodide

Concen: 54.597 ug/l

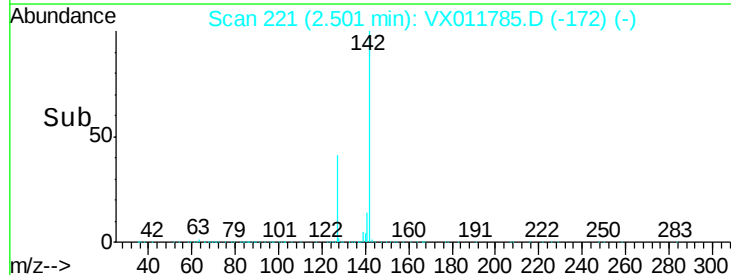
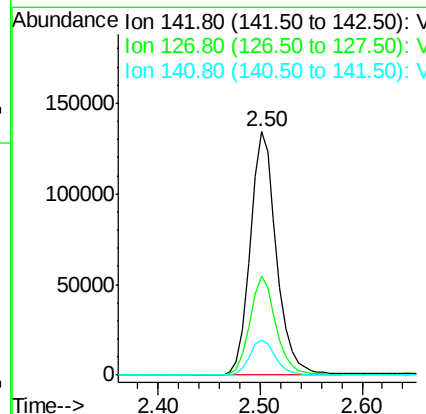
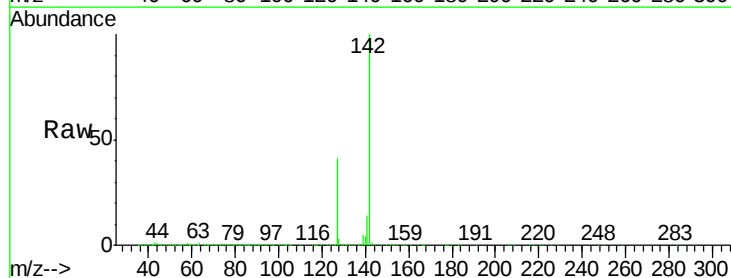
RT: 2.50 min Scan# 221

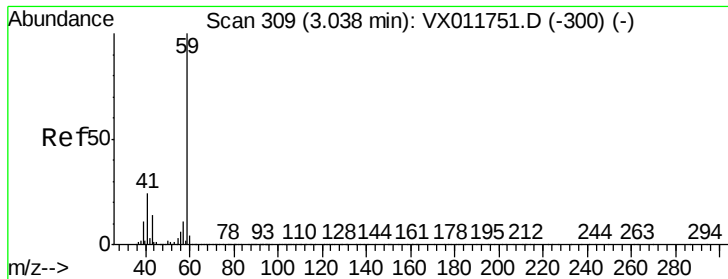
Delta R.T. -0.00 min

Lab File: VX011785.D

Acq: 23 Aug 2019 09:43

Tgt Ion:	142	Resp:	240090
Ion Ratio	Lower	Upper	
142	100		
127	40.2	33.5	50.3
141	14.5	11.4	17.2





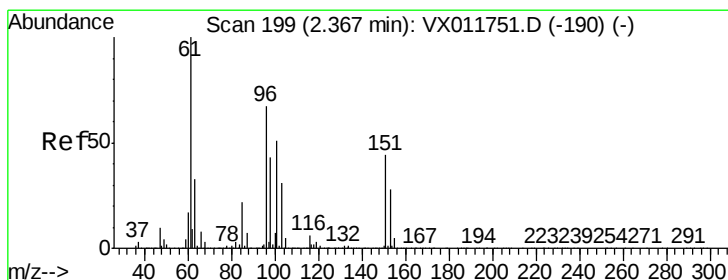
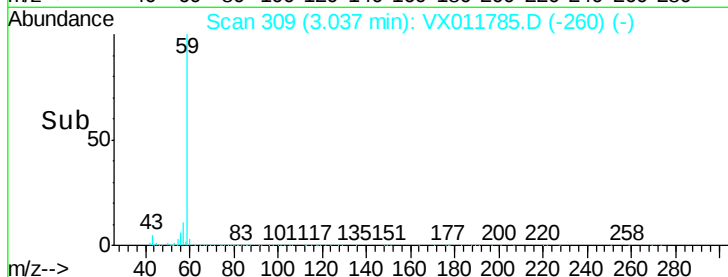
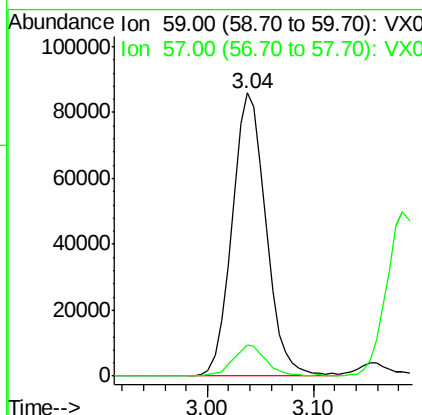
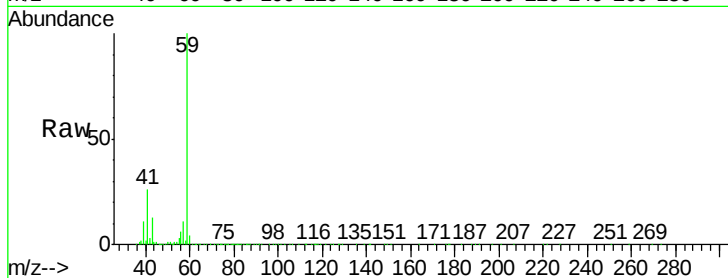
#11
Tert butyl alcohol
Concen: 215.876 ug/l
RT: 3.04 min Scan# 309
Delta R.T. -0.00 min
Lab File: VX011785.D
Acq: 23 Aug 2019 09:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.4	12.6

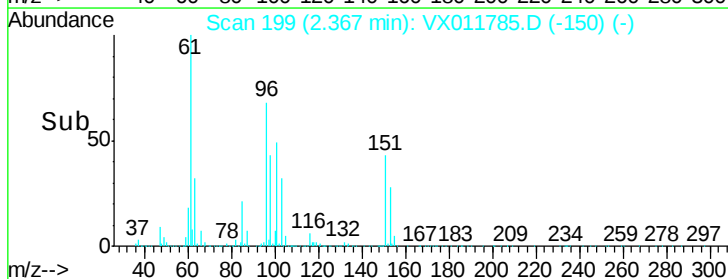
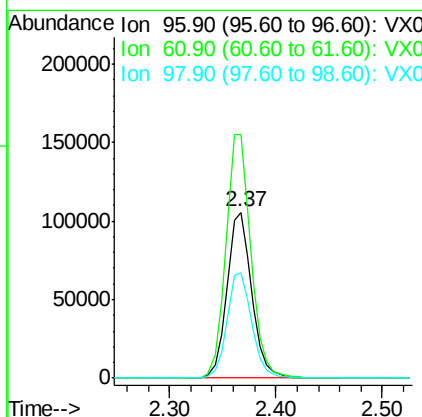
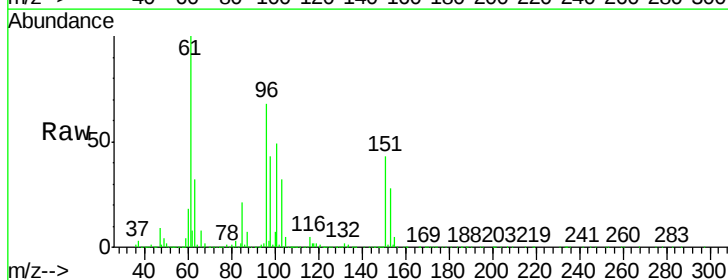
Manual Integrations
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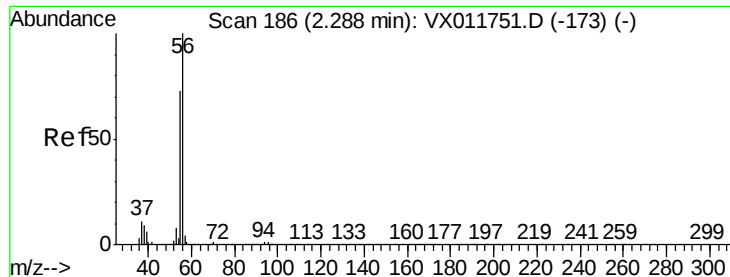
MMDadoda
8/26/2019 11:40:50 AM



#12
1,1-Dichloroethene
Concen: 48.756 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.00 min
Lab File: VX011785.D
Acq: 23 Aug 2019 09:43

Tgt Ion	Ratio	Lower	Upper
96	100		
61	147.1	119.4	179.2
98	63.6	51.2	76.8





#13

Acrolein

Concen: 270.501 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.00 min

Lab File: VX011785.D

Acq: 23 Aug 2019 09:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 92708

Ion Ratio Lower Upper

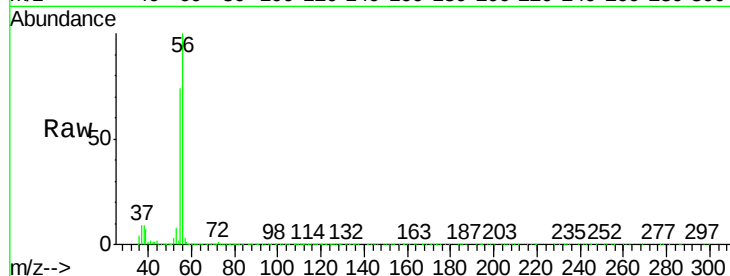
56 100

55 71.8 54.8 82.2

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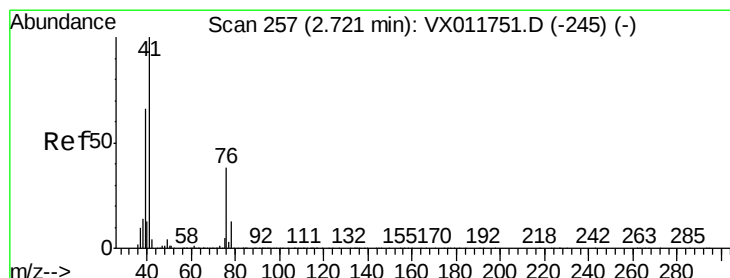
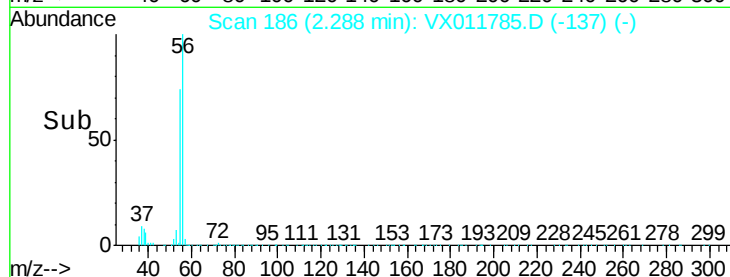
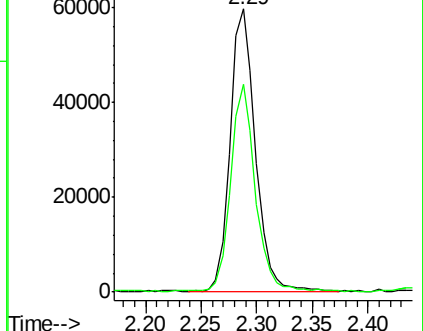
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 47.491 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.00 min

Lab File: VX011785.D

Acq: 23 Aug 2019 09:43

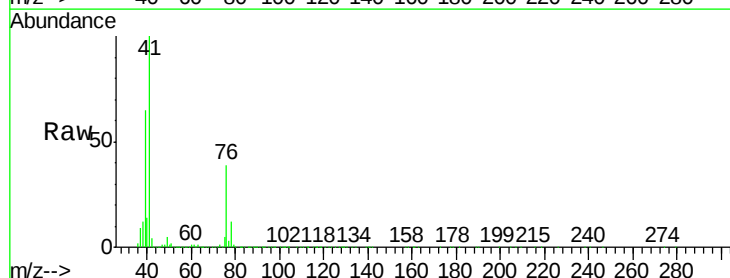
Tgt Ion: 41 Resp: 260580

Ion Ratio Lower Upper

41 100

39 59.5 49.3 73.9

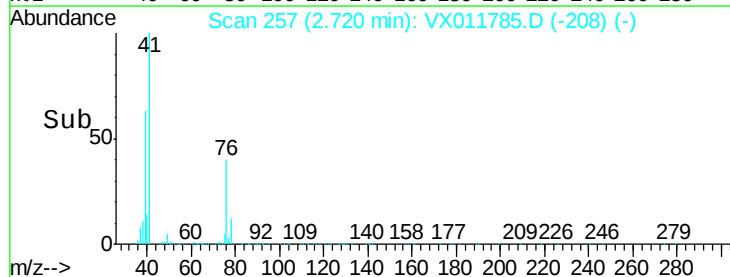
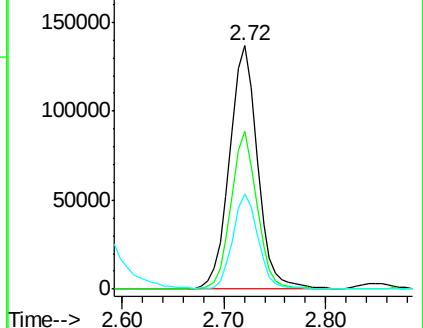
76 34.9 26.8 40.2

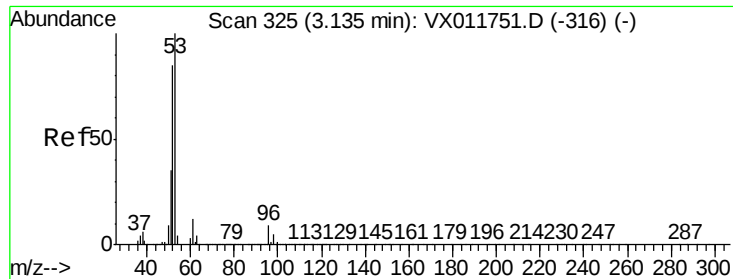


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





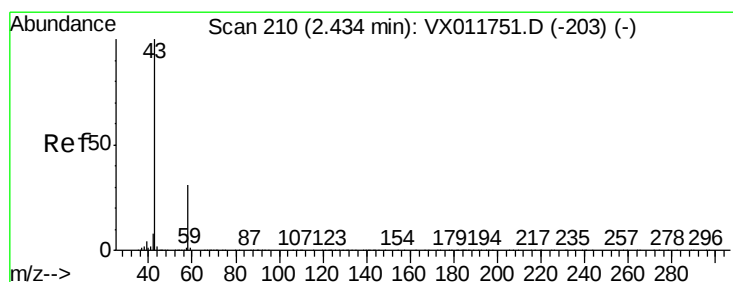
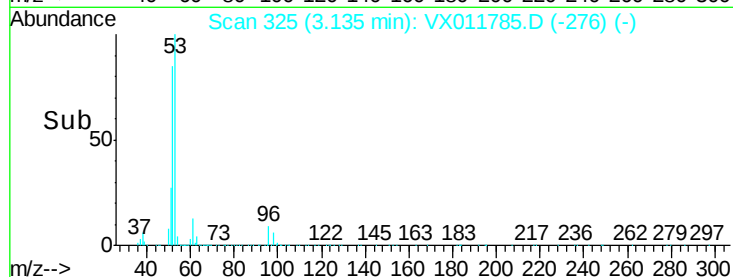
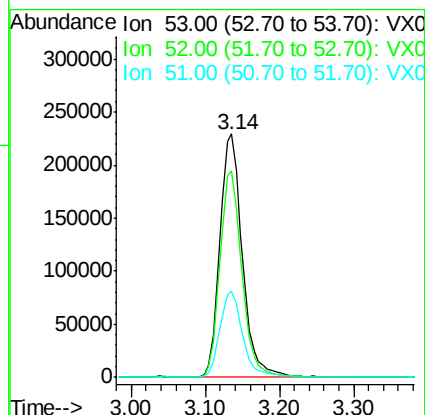
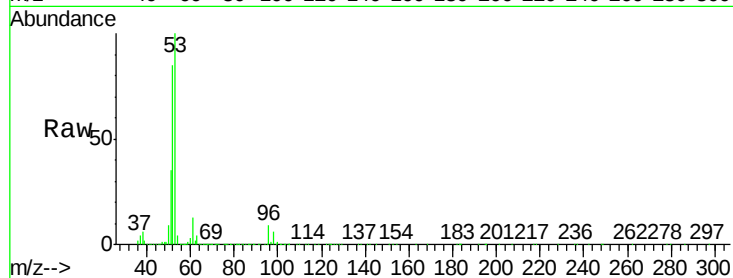
#15
 Acrylonitrile
 Concen: 236.168 ug/l
 RT: 3.14 min Scan# 325
 Delta R.T. -0.00 min
 Lab File: VX011785.D
 Acq: 23 Aug 2019 09:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
53	53	100		
52	52	83.0	65.7	98.5
51	51	35.7	28.6	43.0

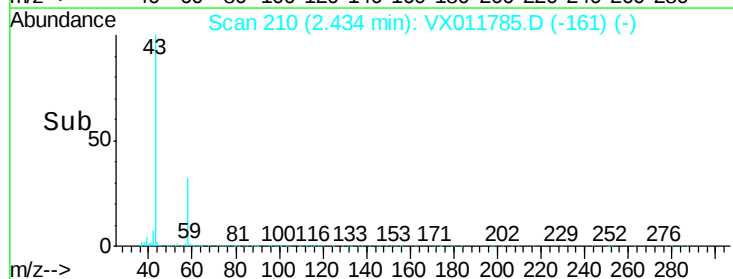
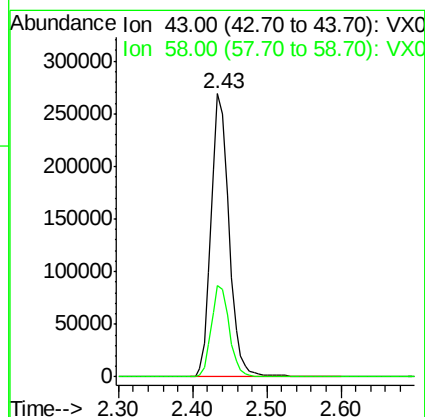
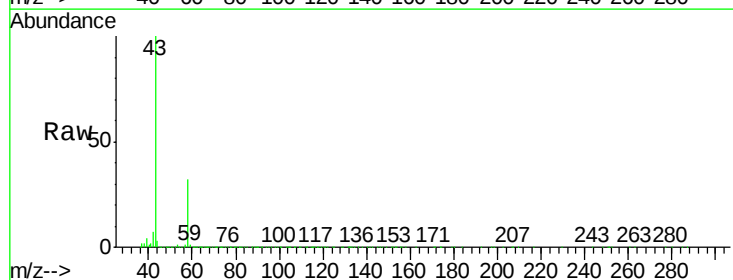
Manual Integrations
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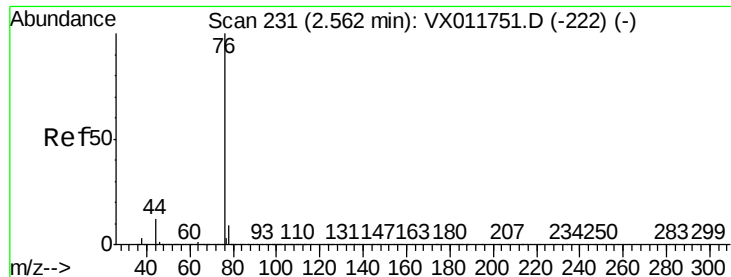
MMDadoda
 8/26/2019 11:40:50 AM



#16
 Acetone
 Concen: 227.362 ug/l
 RT: 2.43 min Scan# 210
 Delta R.T. -0.00 min
 Lab File: VX011785.D
 Acq: 23 Aug 2019 09:43

Tgt Ion	Ion	Ratio	Lower	Upper
43	43	100		
58	58	32.3	24.4	36.6





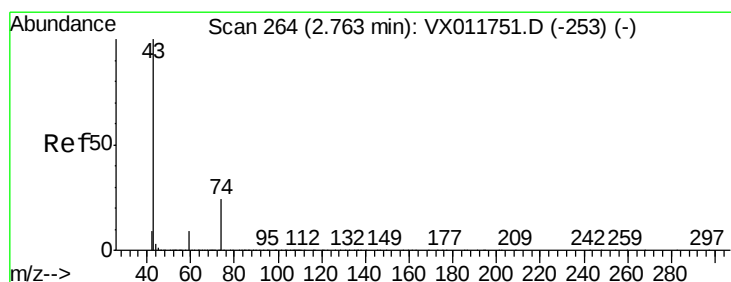
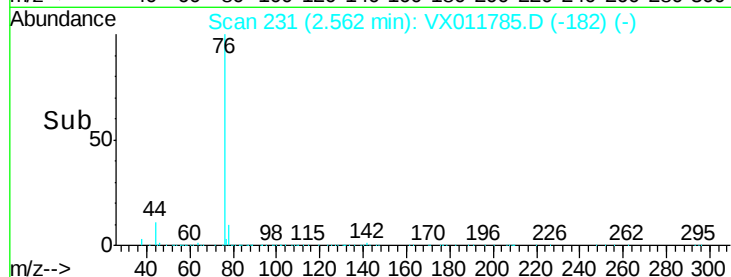
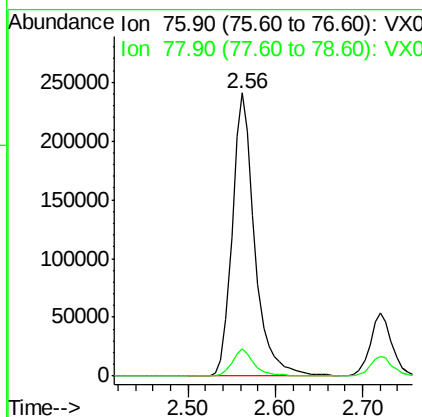
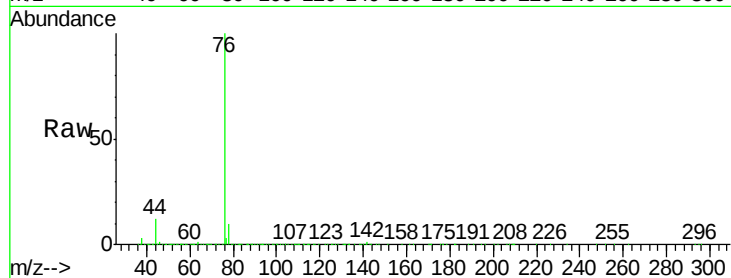
#17
Carbon Disulfide
Concen: 48.582 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.00 min
Lab File: VX011785.D
Acq: 23 Aug 2019 09:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.4	11.0

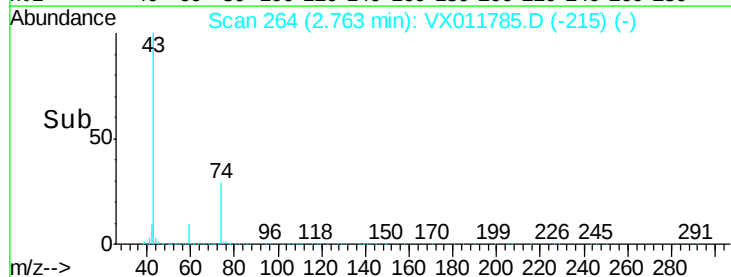
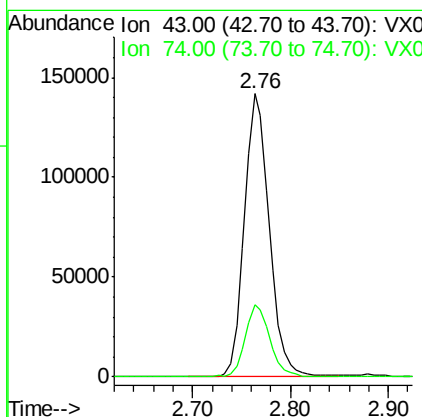
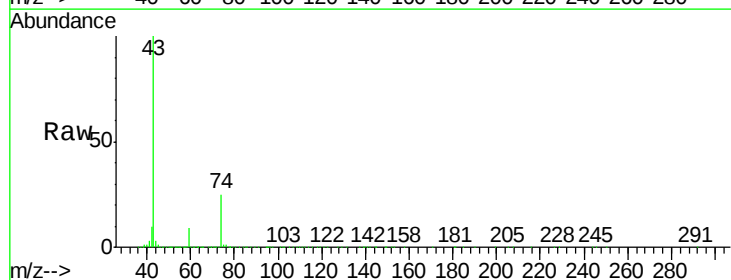
Manual Integrations
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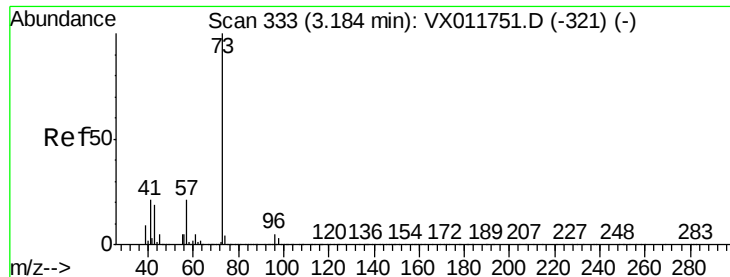
MMDadoda
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#18
Methyl Acetate
Concen: 47.138 ug/l
RT: 2.76 min Scan# 264
Delta R.T. -0.00 min
Lab File: VX011785.D
Acq: 23 Aug 2019 09:43

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.8	19.5	29.3





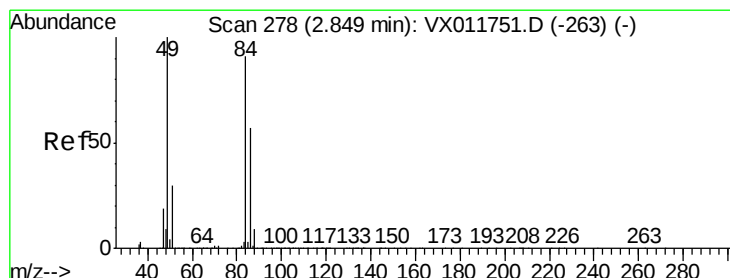
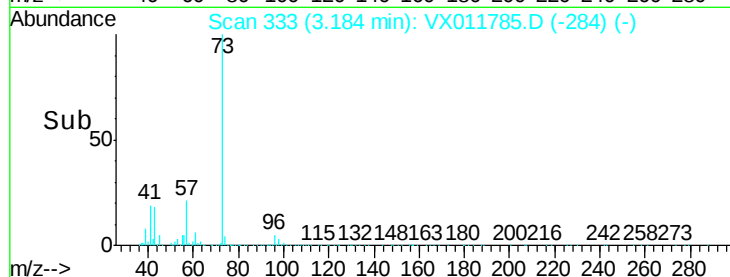
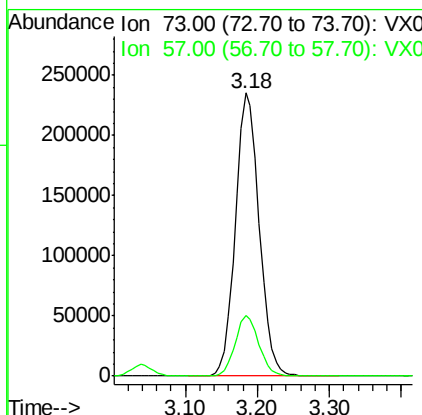
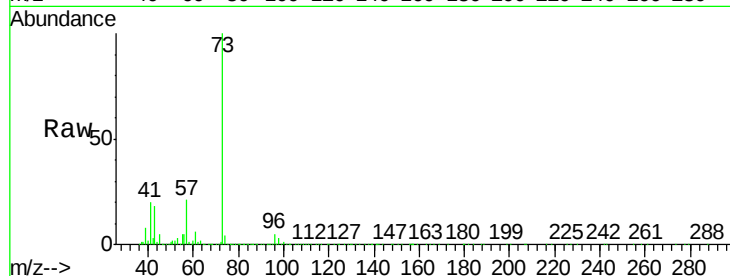
#19
Methvl tert-butvl Ether
Concen: 47.808 ug/l
RT: 3.18 min Scan# 333
Delta R.T. -0.00 min
Lab File: VX011785.D
Acq: 23 Aug 2019 09:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.1	16.4	24.6

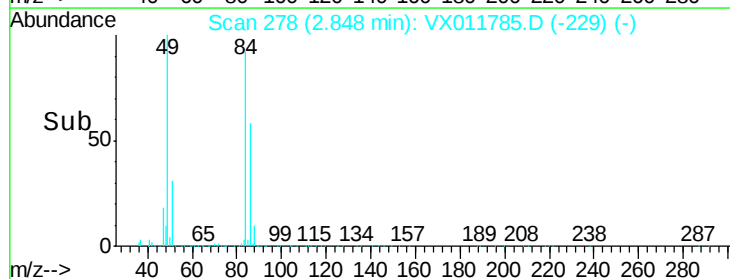
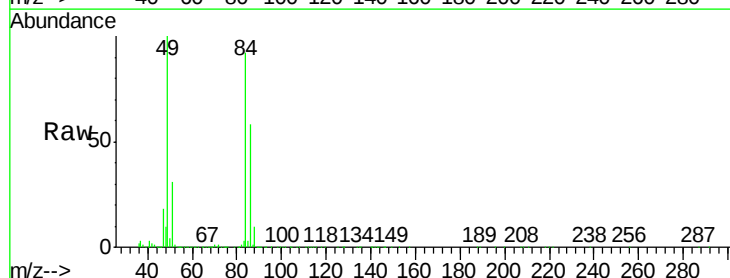
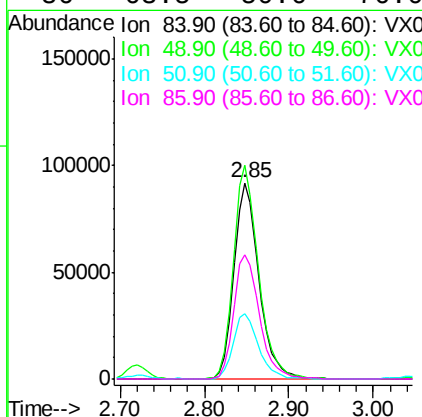
Manual Integrations
APPROVED

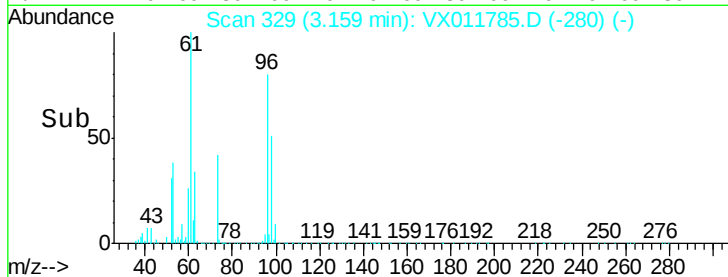
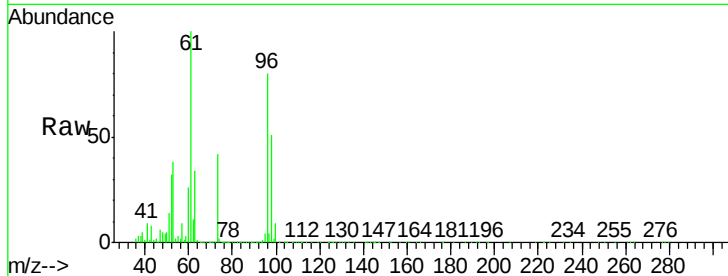
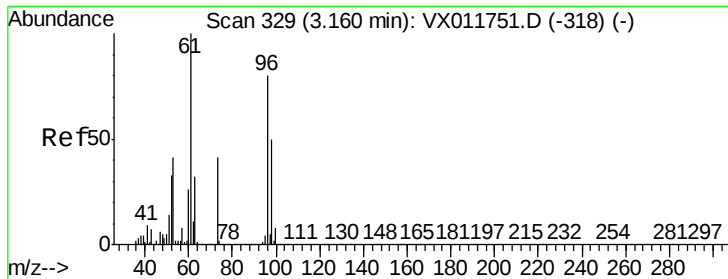
MMDadoda
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#20
Methylene Chloride
Concen: 45.827 ug/l
RT: 2.85 min Scan# 278
Delta R.T. -0.00 min
Lab File: VX011785.D
Acq: 23 Aug 2019 09:43

Tgt Ion	Ratio	Lower	Upper
84	100		
49	108.9	88.3	132.5
51	33.2	26.2	39.2
86	63.5	50.6	76.0





#21

trans-1,2-Dichloroethene

Concen: 47.996 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX011785.D

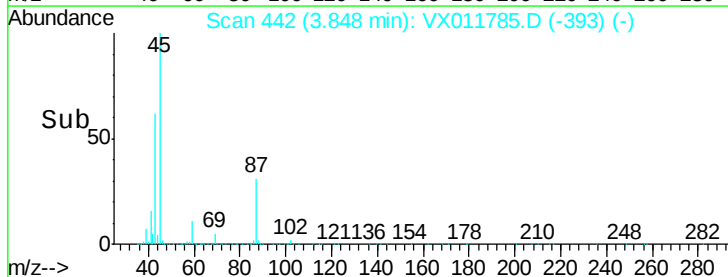
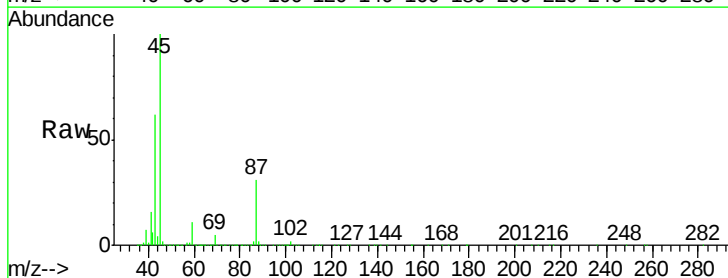
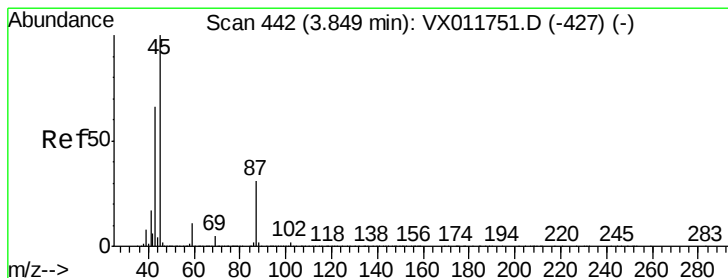
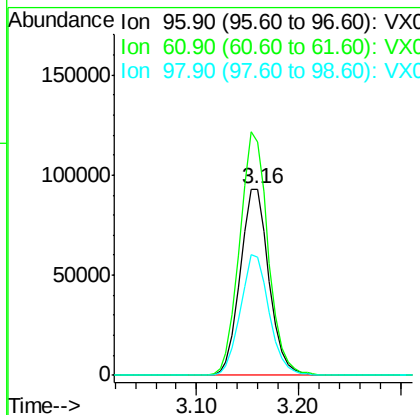
Acq: 23 Aug 2019 09:43

Tot Ion:	96	Resp:	181740
Ion Ratio	Lower	Upper	
96	100		
61	125.5	99.8	149.8
98	63.6	50.3	75.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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#22

Diisopropyl ether

Concen: 48.351 ug/l

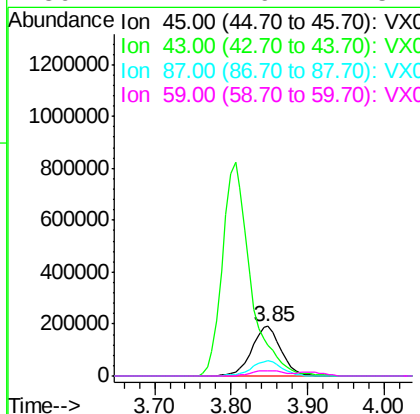
RT: 3.85 min Scan# 442

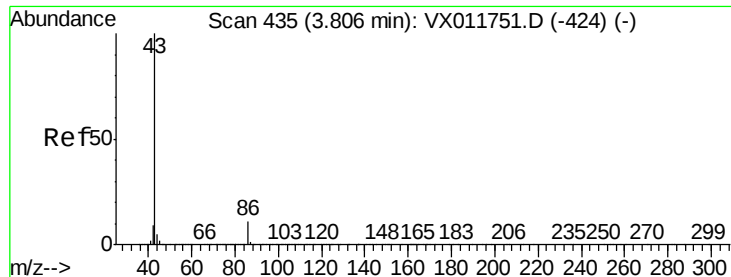
Delta R.T. -0.00 min

Lab File: VX011785.D

Acq: 23 Aug 2019 09:43

Tgt Ion:	45	Resp:	514460
Ion Ratio	Lower	Upper	
45	100		
43	61.6	53.0	79.6
87	30.5	24.7	37.1
59	11.2	9.1	13.7





#23

Vinyl Acetate

Concen: 237.965 ug/l

RT: 3.81 min Scan# 435

Delta R.T. -0.00 min

Lab File: VX011785.D

Acq: 23 Aug 2019 09:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2096351

Ion Ratio Lower Upper

43 100

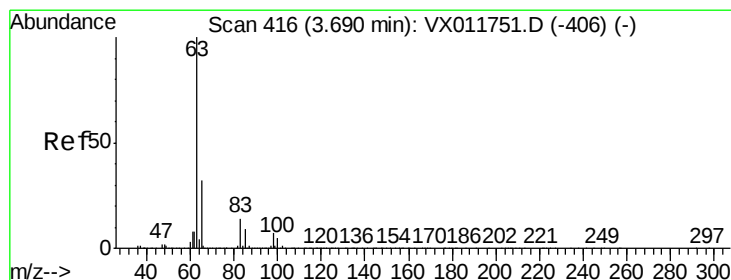
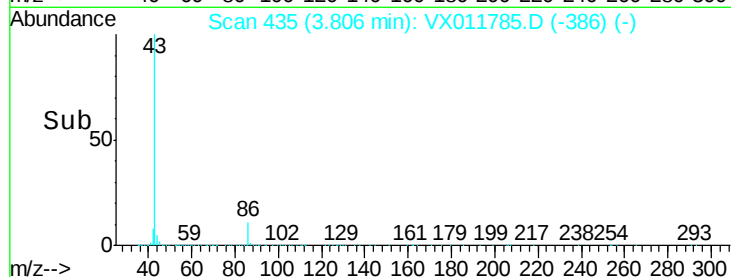
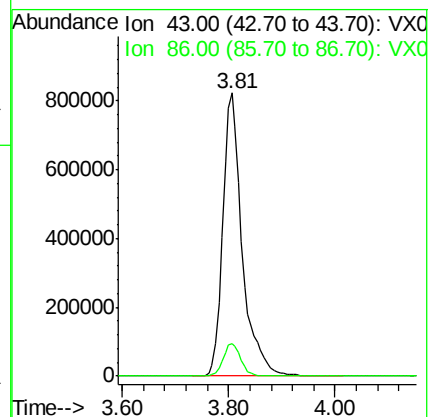
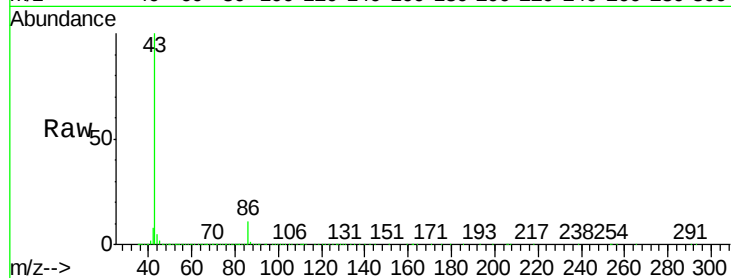
86 11.4 9.2 13.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 47.355 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.00 min

Lab File: VX011785.D

Acq: 23 Aug 2019 09:43

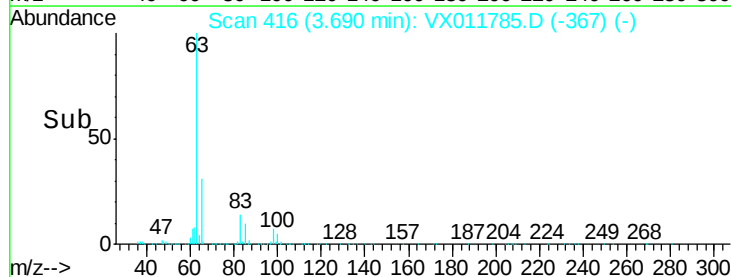
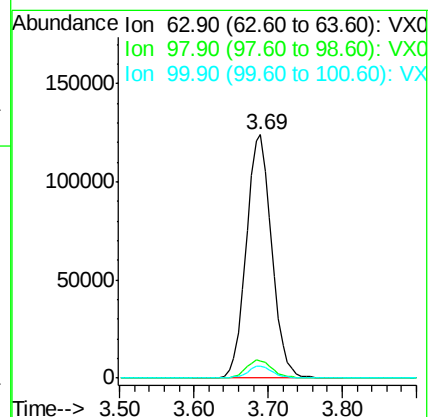
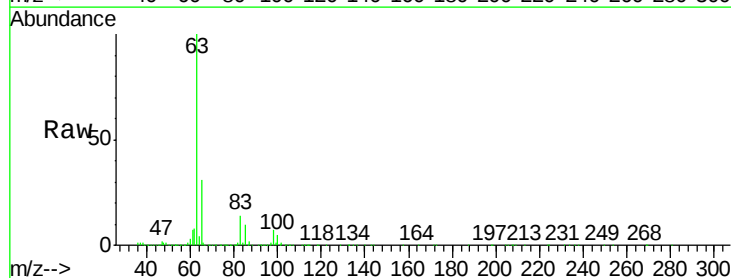
Tgt Ion: 63 Resp: 297492

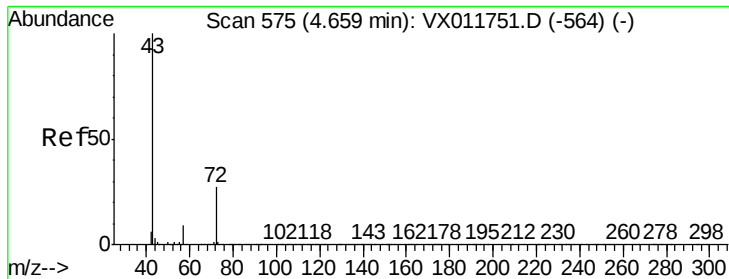
Ion Ratio Lower Upper

63 100

98 7.2 3.7 11.1

100 4.9 2.3 6.9





#25

2-Butanone

Concen: 233.590 ug/l

RT: 4.66 min Scan# 575

Delta R.T. -0.00 min

Lab File: VX011785.D

Acq: 23 Aug 2019 09:43

Tot Ion: 43 Resp: 654411

Ion Ratio Lower Upper

43 100

72 28.3 21.8 32.6

Instrument :

MSVOA_X

ClientSampleId :

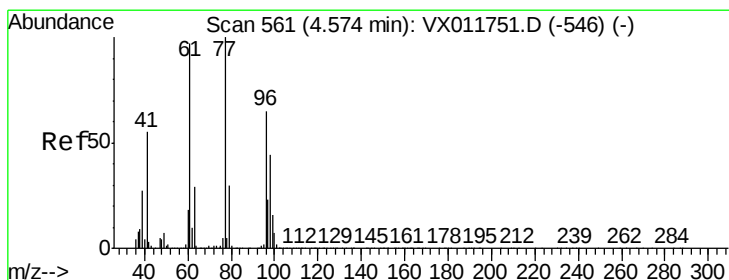
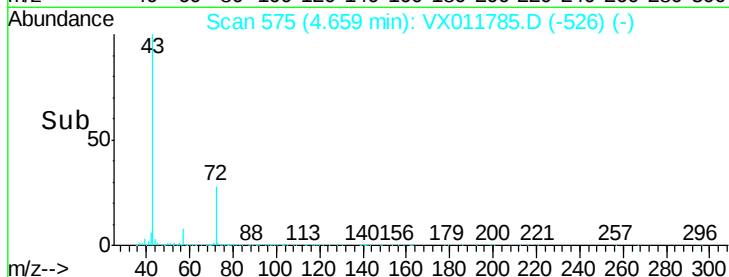
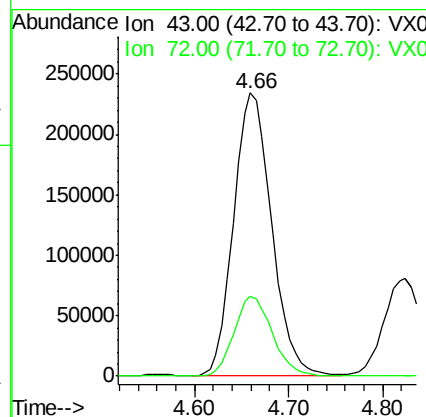
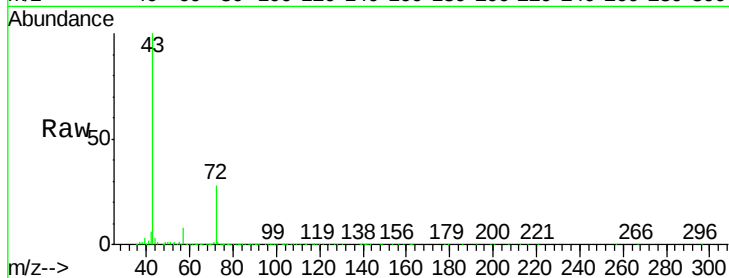
VSTDCCC050

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 47.391 ug/l

RT: 4.57 min Scan# 561

Delta R.T. -0.00 min

Lab File: VX011785.D

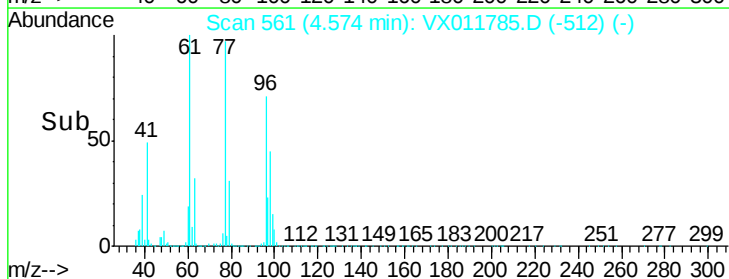
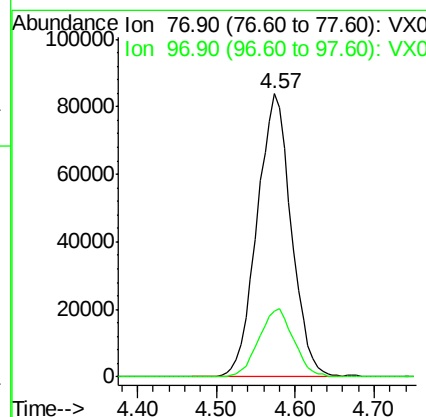
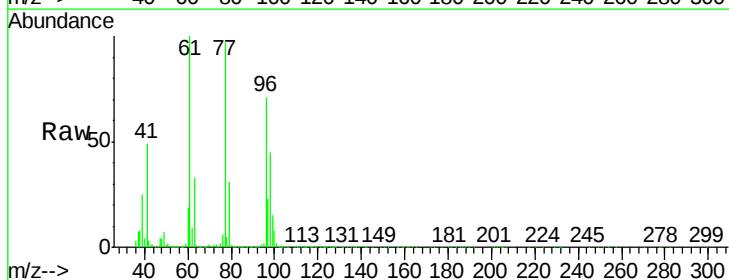
Acq: 23 Aug 2019 09:43

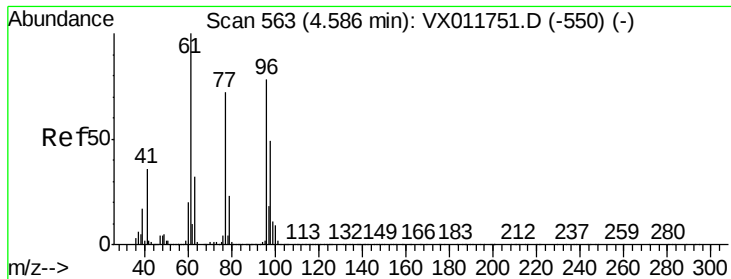
Tgt Ion: 77 Resp: 252824

Ion Ratio Lower Upper

77 100

97 24.6 12.2 36.6





#27

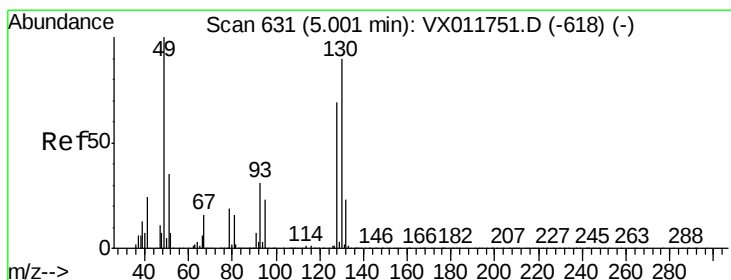
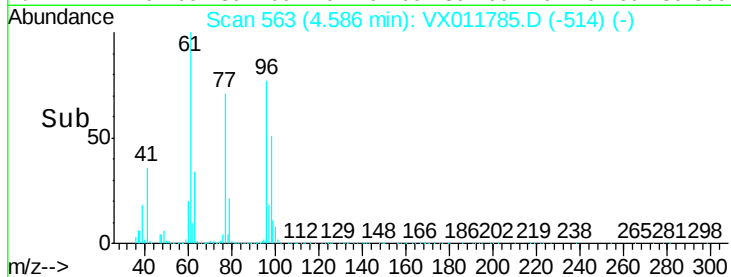
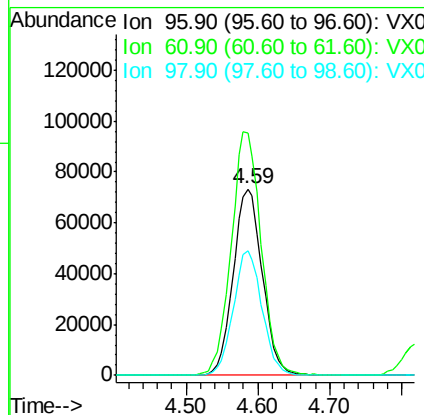
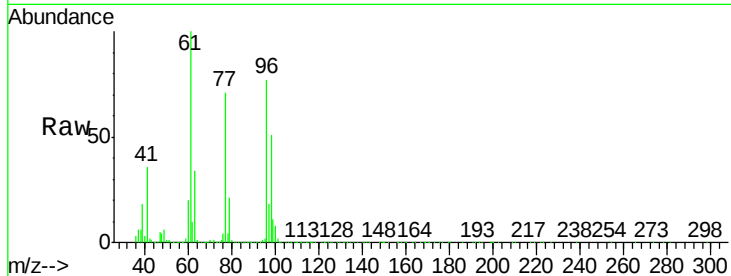
cis-1,2-Dichloroethene
Concen: 47.374 ug/l
RT: 4.59 min Scan# 563
Delta R.T. -0.00 min
Lab File: VX011785.D
Acq: 23 Aug 2019 09:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.0	0.0	275.8
98	65.5	0.0	128.2

Manual Integrations
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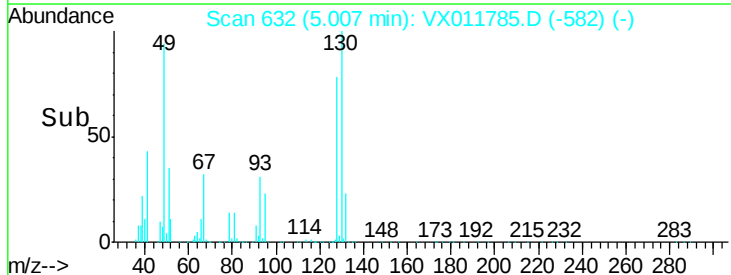
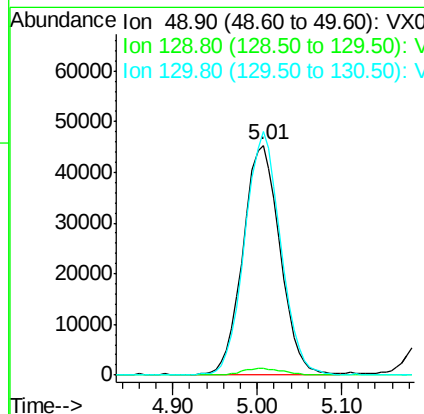
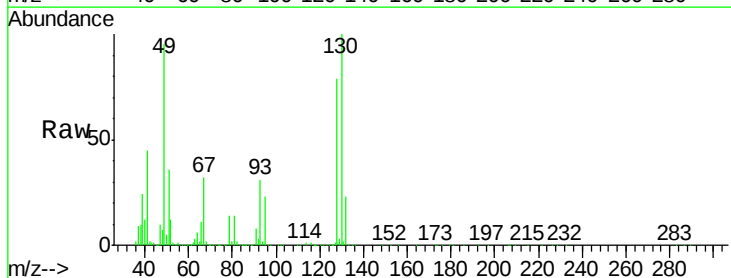
MMDadoda
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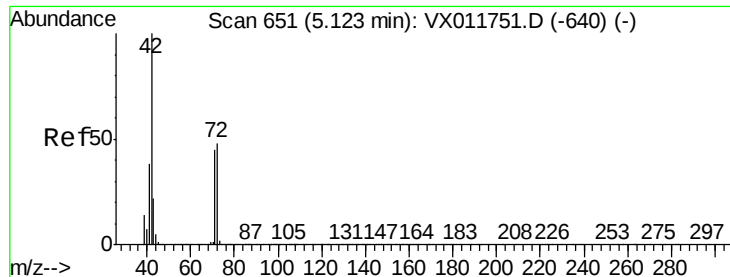


#28

Bromochloromethane
Concen: 47.453 ug/l
RT: 5.01 min Scan# 632
Delta R.T. 0.01 min
Lab File: VX011785.D
Acq: 23 Aug 2019 09:43

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.2	0.0	5.8
130	102.9	76.8	115.2





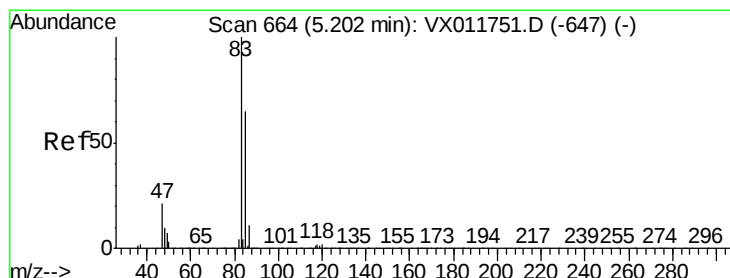
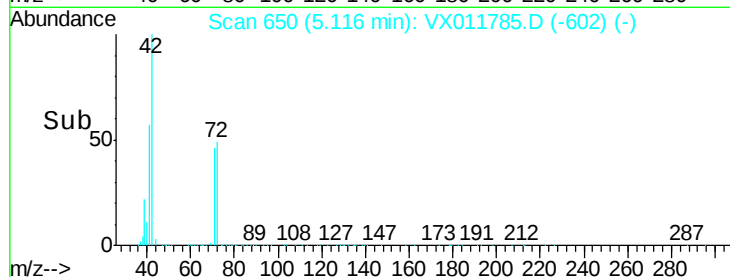
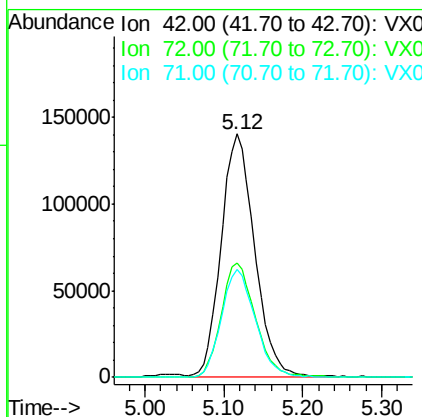
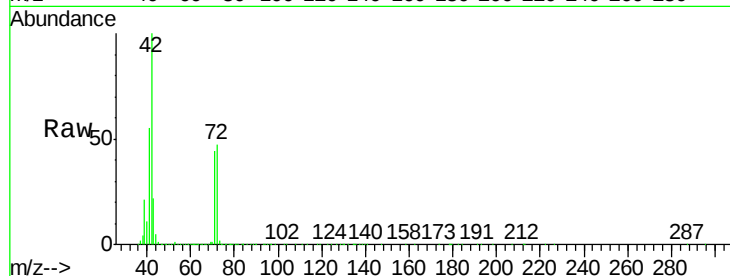
#29
Tetrahydrofuran
Concen: 229.370 ug/l
RT: 5.12 min Scan# 650
Delta R.T. -0.01 min
Lab File: VX011785.D
Acq: 23 Aug 2019 09:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.6	37.6	56.4
71	45.2	34.6	51.8

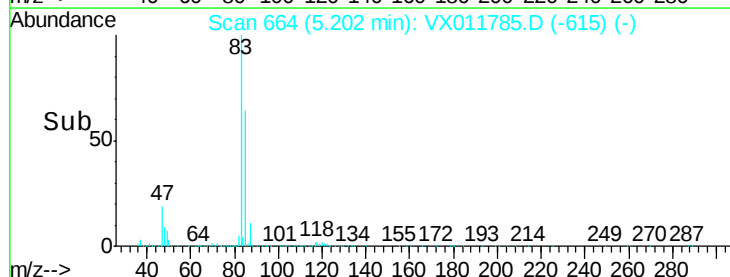
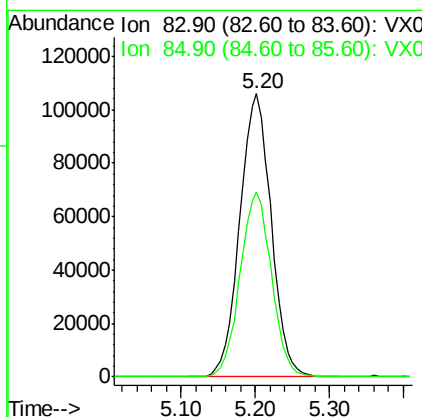
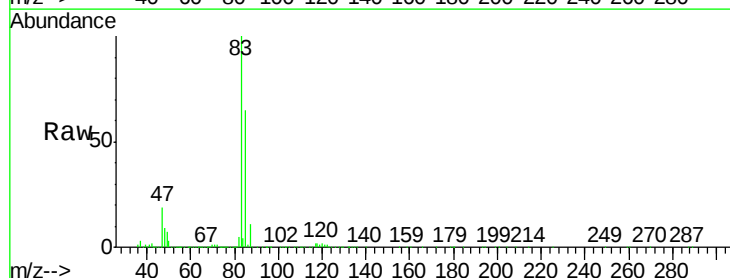
Manual Integrations
APPROVED

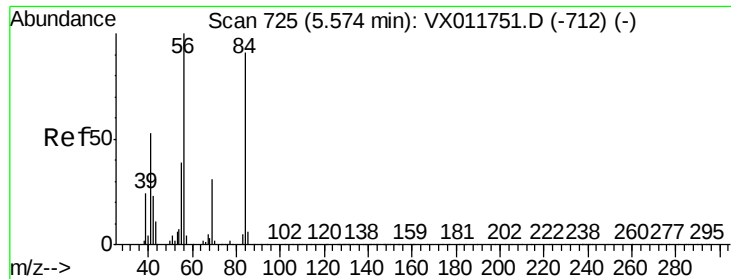
MMDadoda
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#30
Chloroform
Concen: 45.942 ug/l
RT: 5.20 min Scan# 664
Delta R.T. -0.00 min
Lab File: VX011785.D
Acq: 23 Aug 2019 09:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.8	77.8





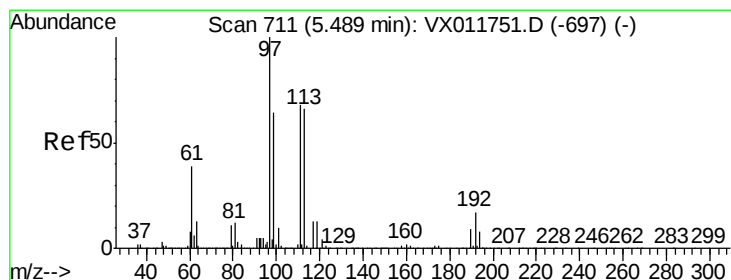
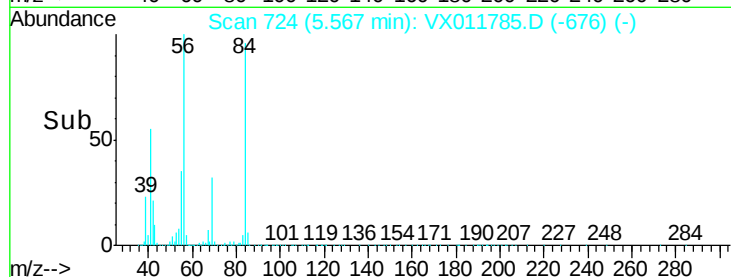
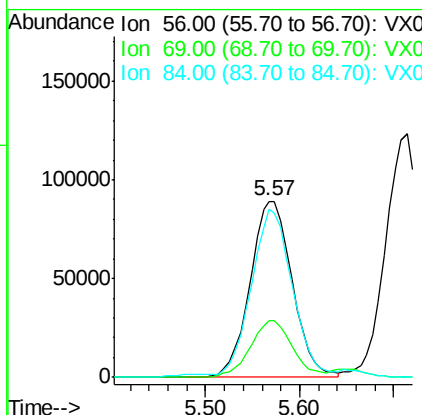
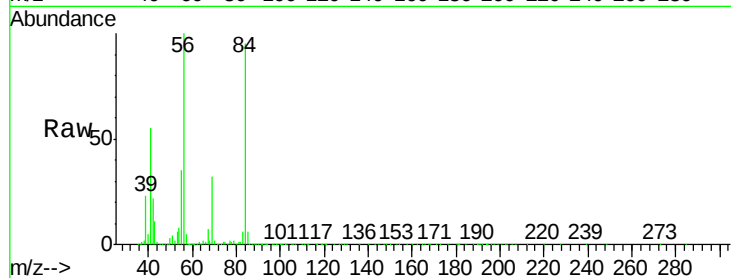
#31
Cyclohexane
Concen: 50.297 ug/l
RT: 5.57 min Scan# 724
Delta R.T. -0.01 min
Lab File: VX011785.D
Acq: 23 Aug 2019 09:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.2	24.5	36.7
84	93.9	72.7	109.1

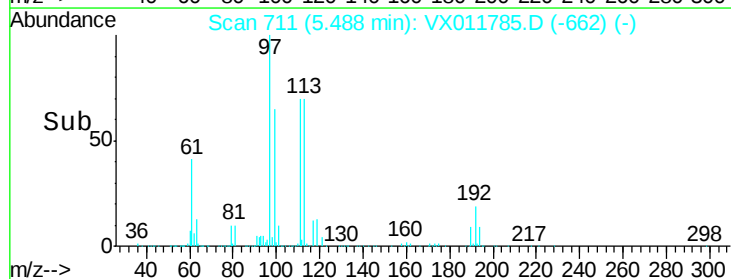
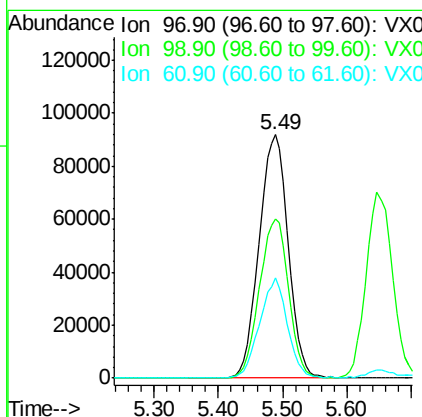
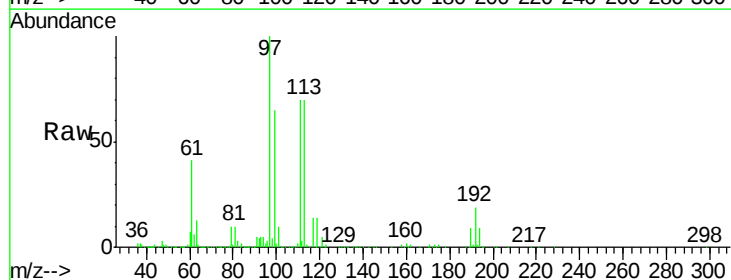
Manual Integrations
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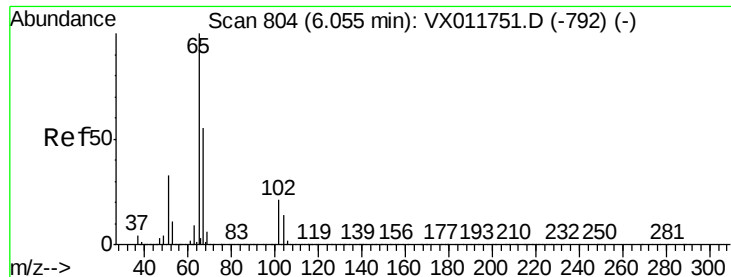
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 48.461 ug/l
RT: 5.49 min Scan# 711
Delta R.T. -0.00 min
Lab File: VX011785.D
Acq: 23 Aug 2019 09:43

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.8	51.4	77.0
61	38.8	31.6	47.4





#33

1,2-Dichloroethane-d4

Concen: 45.287 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.00 min

Lab File: VX011785.D

Acq: 23 Aug 2019 09:43

Tot Ion: 65 Resp: 203193

Ion Ratio Lower Upper

65 100

67 53.2 0.0 107.8

Instrument :

MSVOA_X

ClientSampleId :

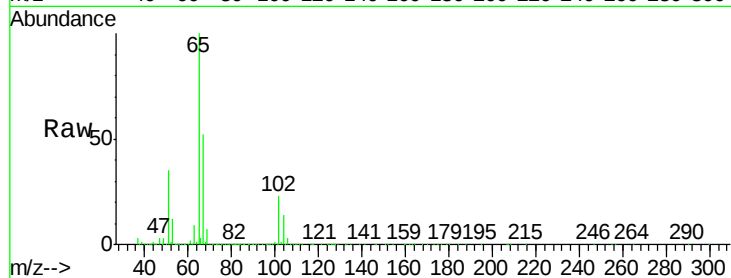
VSTDCCC050

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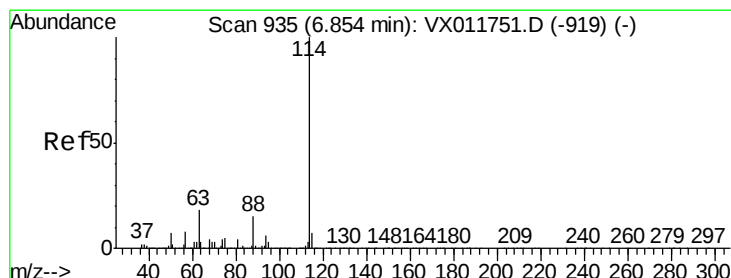
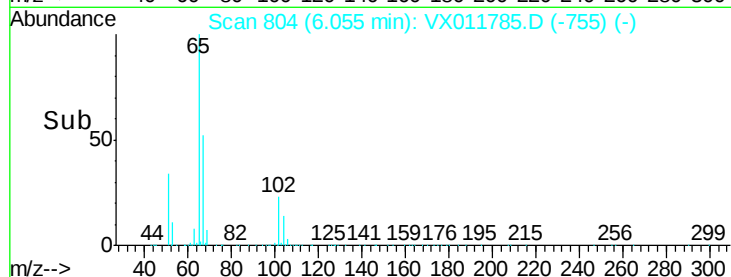
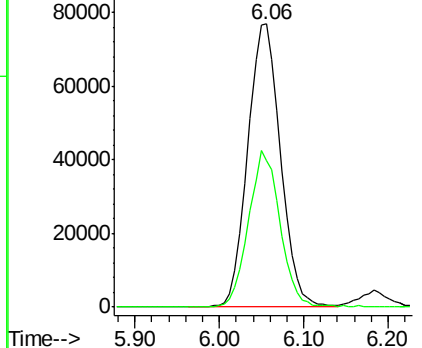
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.00 min

Lab File: VX011785.D

Acq: 23 Aug 2019 09:43

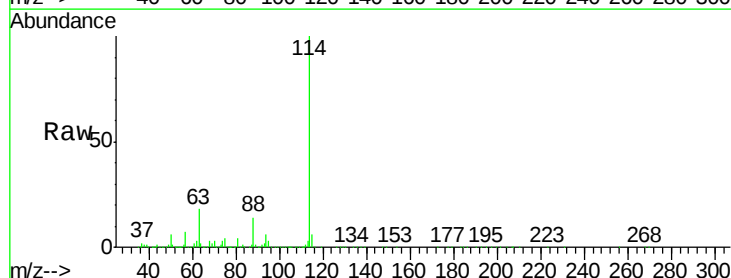
Tgt Ion: 114 Resp: 578795

Ion Ratio Lower Upper

114 100

63 17.5 0.0 36.8

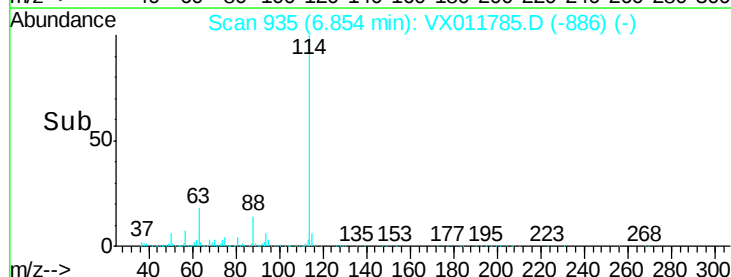
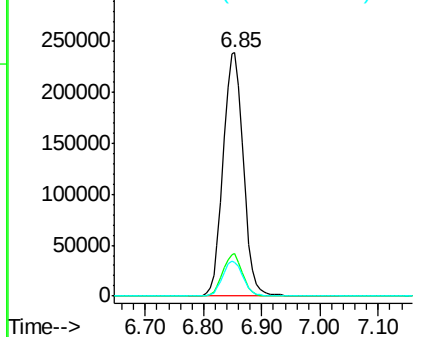
88 14.0 0.0 30.2

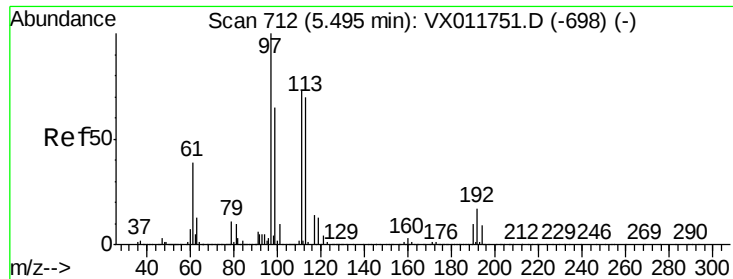


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.631 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX011785.D

Acq: 23 Aug 2019 09:43

Instrument :

MSVOA_X

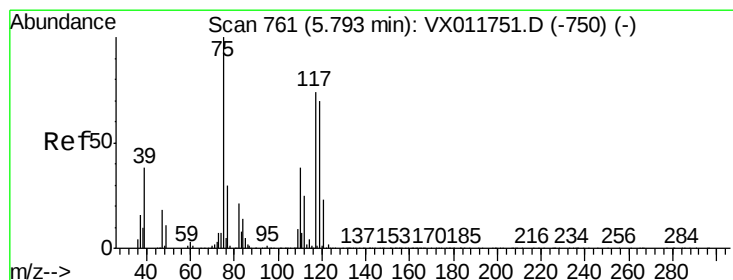
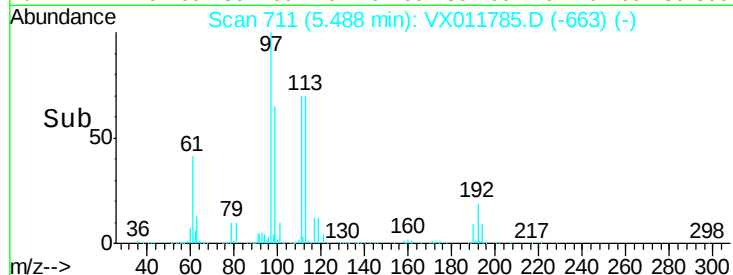
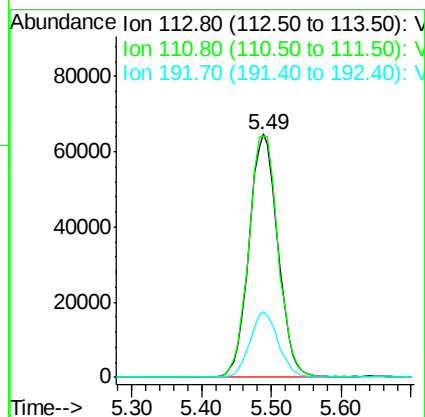
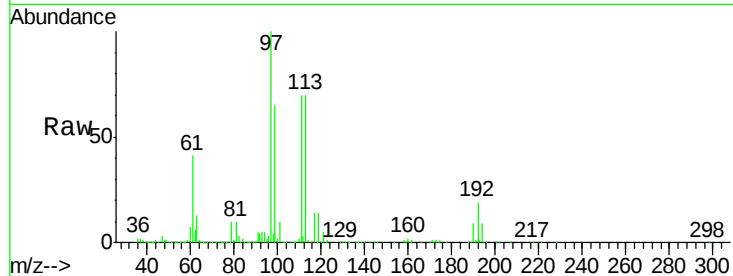
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	185756
Ion Ratio	Lower	Upper	
113	100		
111	101.6	81.0	121.4
192	26.8	19.9	29.9

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#36

1,1-Dichloropropene

Concen: 53.408 ug/l

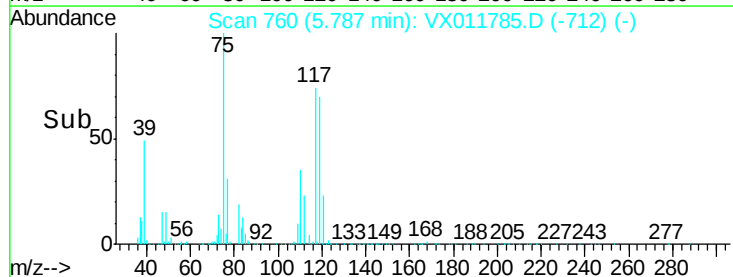
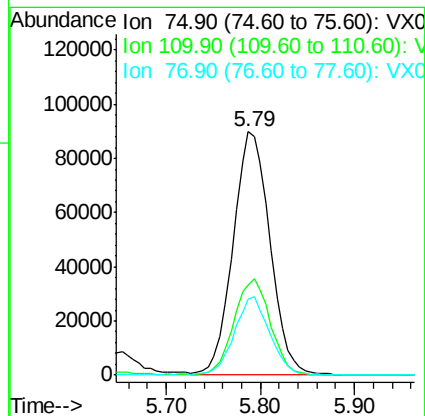
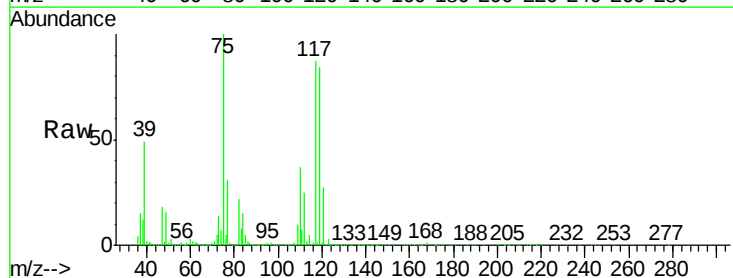
RT: 5.79 min Scan# 760

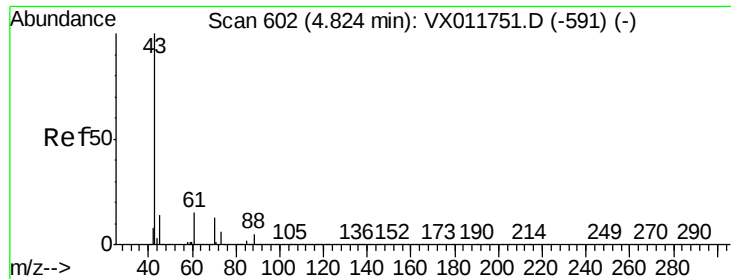
Delta R.T. -0.01 min

Lab File: VX011785.D

Acq: 23 Aug 2019 09:43

Tgt Ion:	75	Resp:	242410
Ion Ratio	Lower	Upper	
75	100		
110	39.3	19.0	57.0
77	31.4	24.6	36.8





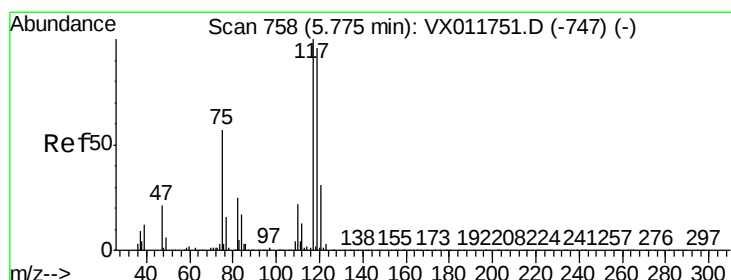
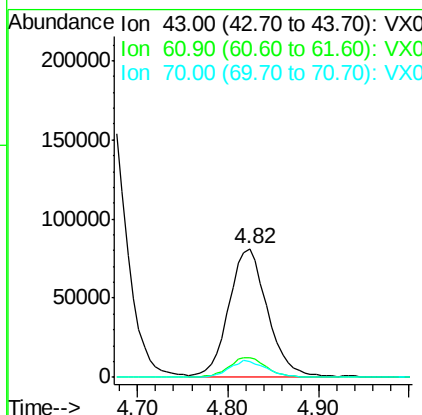
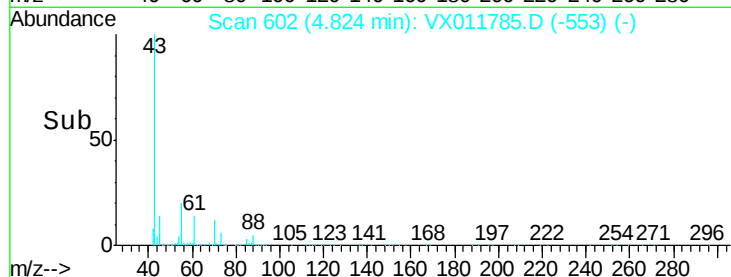
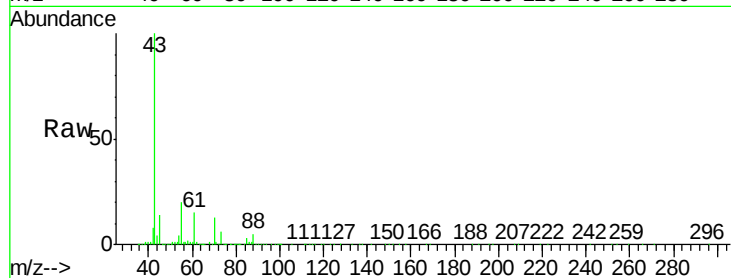
#37
Ethyl Acetate
Concen: 48.881 ug/l
RT: 4.82 min Scan# 602
Delta R.T. -0.00 min
Lab File: VX011785.D
Acq: 23 Aug 2019 09:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	11.5	17.3
70	12.3	9.5	14.3

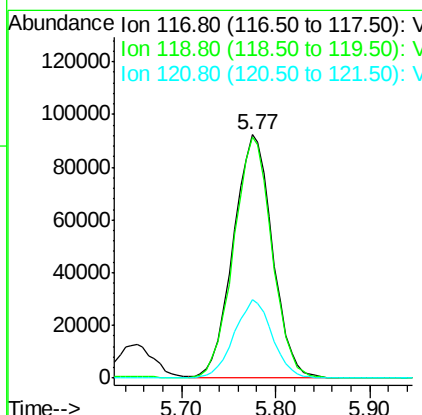
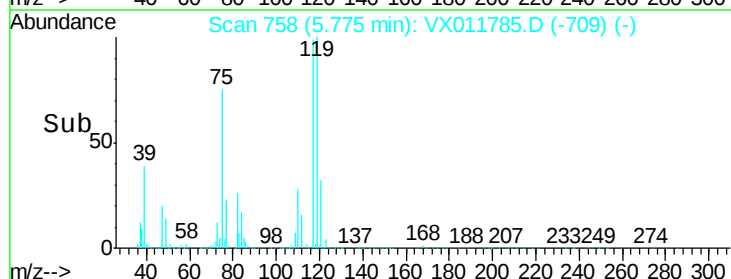
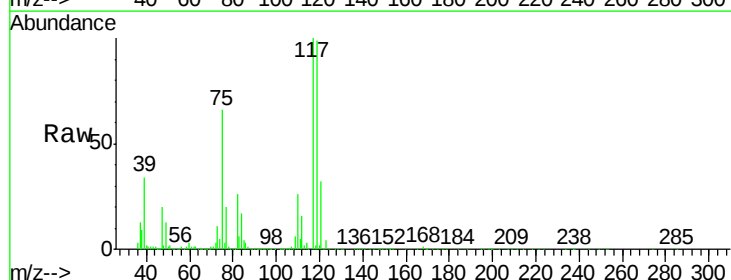
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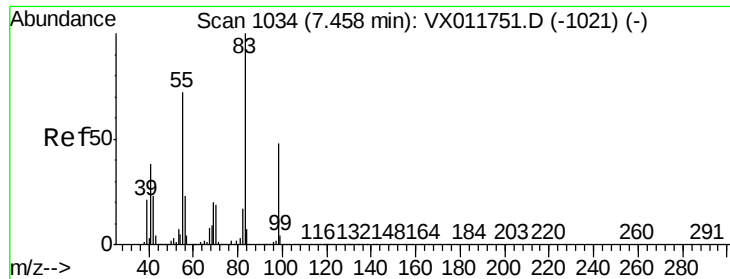
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#38
Carbon Tetrachloride
Concen: 51.896 ug/l
RT: 5.77 min Scan# 758
Delta R.T. -0.00 min
Lab File: VX011785.D
Acq: 23 Aug 2019 09:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.7	76.6	114.8
121	31.9	25.2	37.8





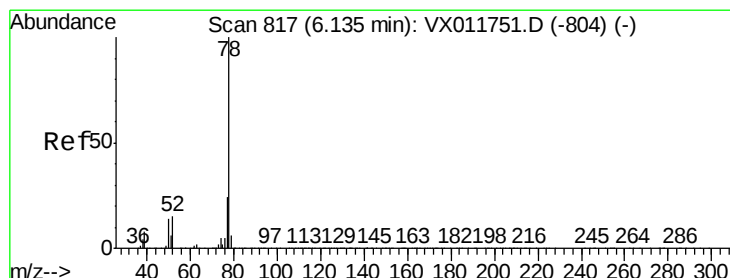
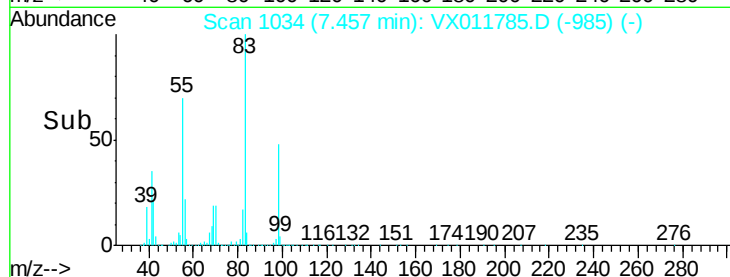
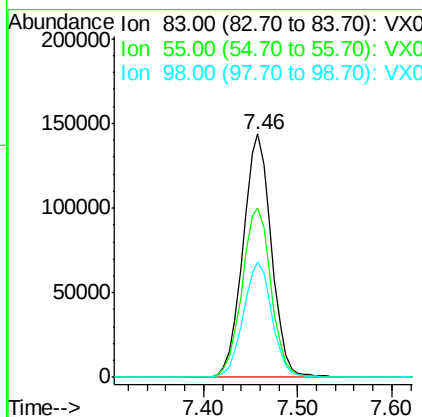
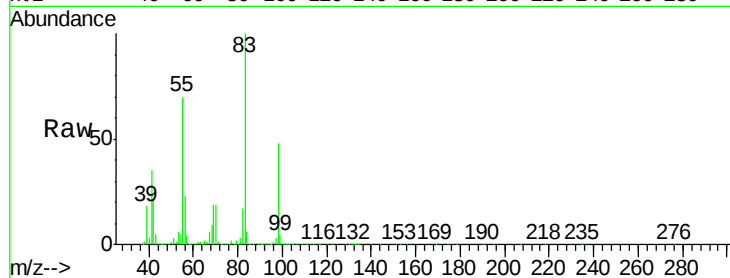
#39
Methvlcvclohexane
Concen: 53.824 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VX011785.D
Acq: 23 Aug 2019 09:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.6	57.8	86.6
98	47.5	38.6	58.0

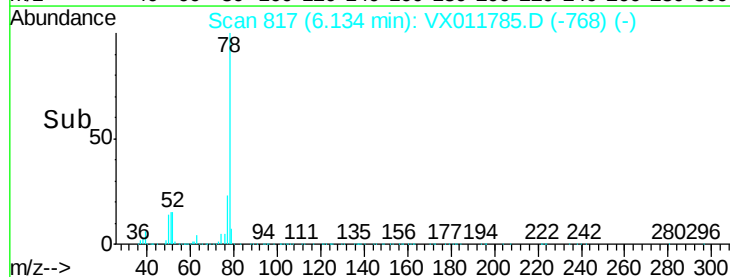
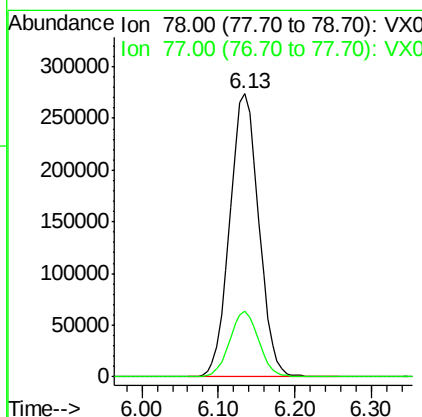
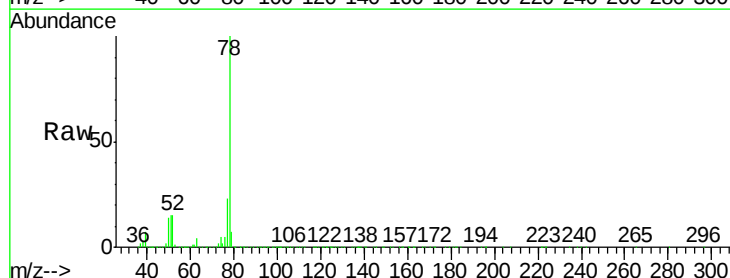
Manual Integrations
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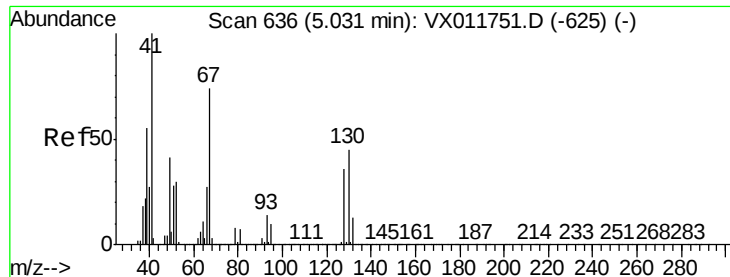
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#40
Benzene
Concen: 51.309 ug/l
RT: 6.13 min Scan# 817
Delta R.T. -0.00 min
Lab File: VX011785.D
Acq: 23 Aug 2019 09:43

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.1	28.7





#41

Methacrylonitrile

Concen: 48.028 ug/l

RT: 5.03 min Scan# 636

Delta R.T. -0.00 min

Lab File: VX011785.D

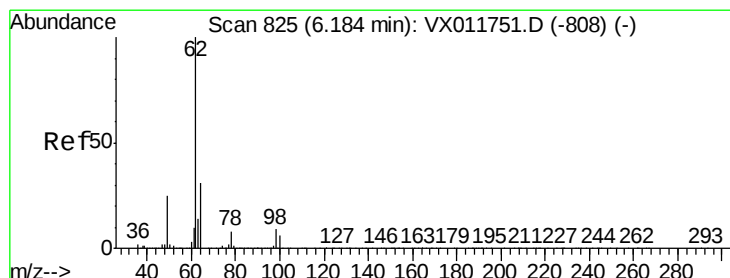
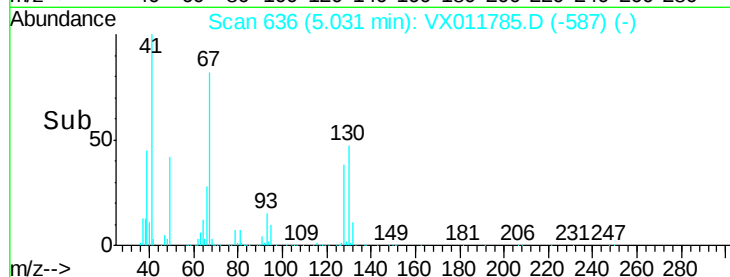
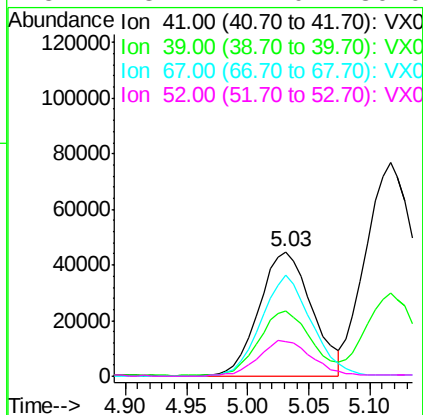
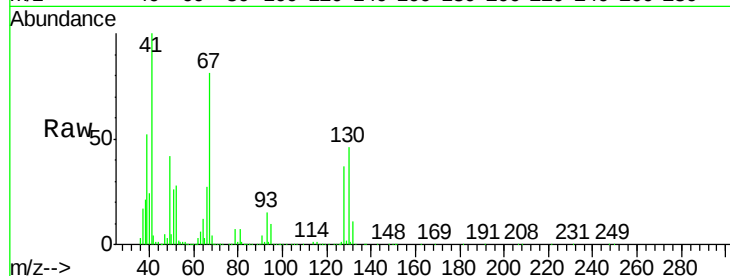
Acq: 23 Aug 2019 09:43

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	51.6	44.3	66.5		
67	77.8	60.3	90.5		
52	28.7	24.0	36.0		

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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8/26/2019 11:40:50 AM



#42

1,2-Dichloroethane

Concen: 47.600 ug/l

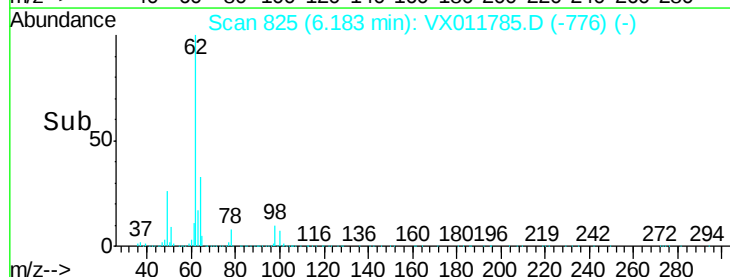
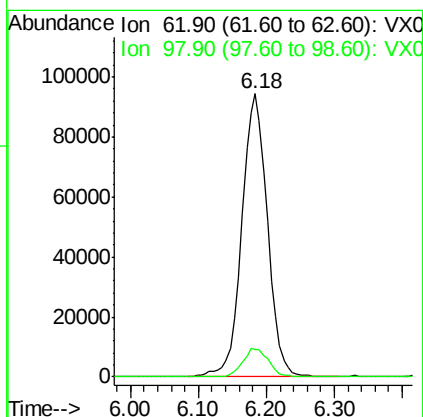
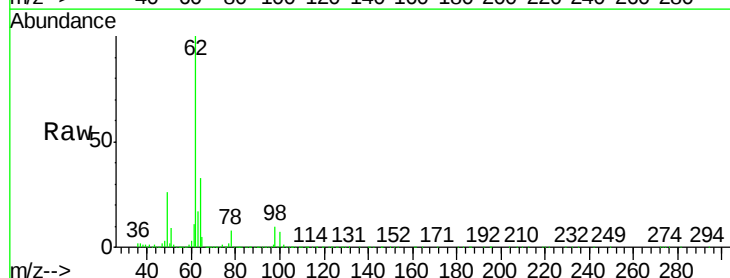
RT: 6.18 min Scan# 825

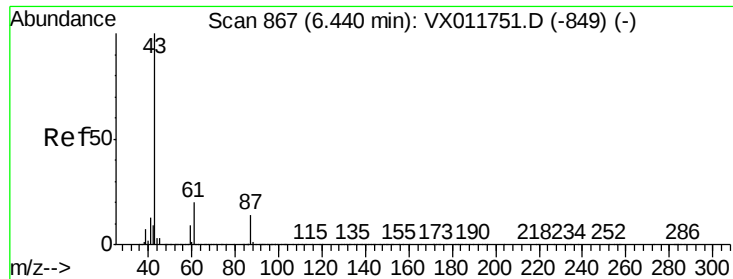
Delta R.T. -0.00 min

Lab File: VX011785.D

Acq: 23 Aug 2019 09:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	10.1	0.0	18.8		





#43

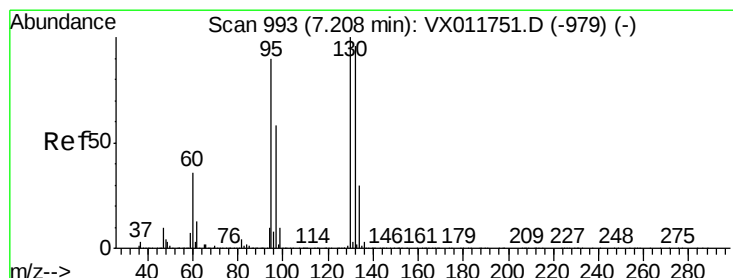
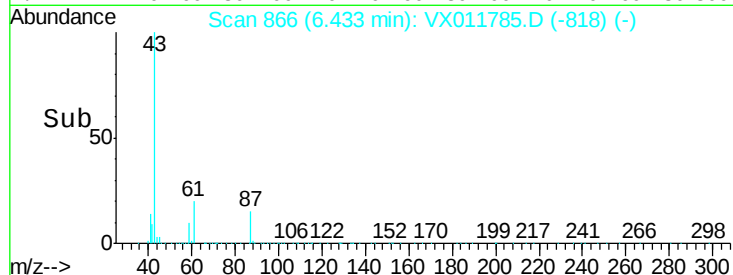
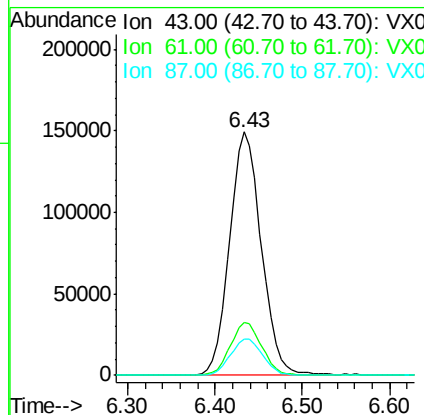
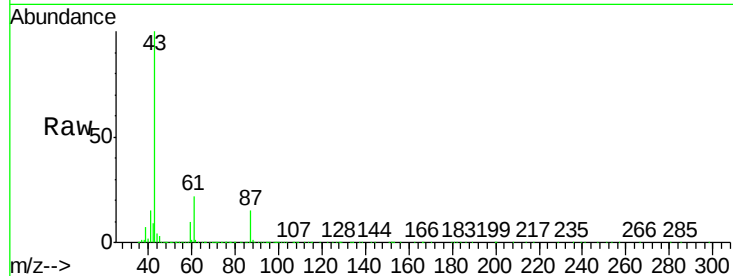
Isopropyl Acetate
 Concen: 48.271 ug/l
 RT: 6.43 min Scan# 866
 Delta R.T. -0.01 min
 Lab File: VX011785.D
 Acq: 23 Aug 2019 09:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.8	16.2	24.2
87	15.4	11.6	17.4

Manual Integrations
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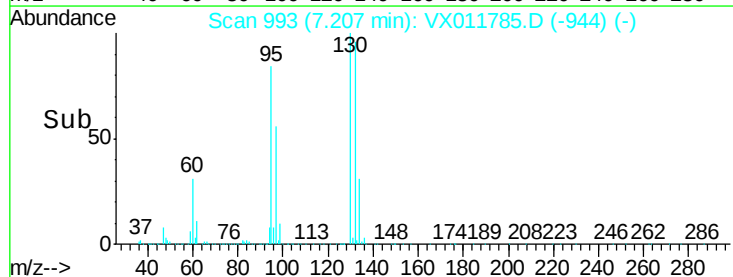
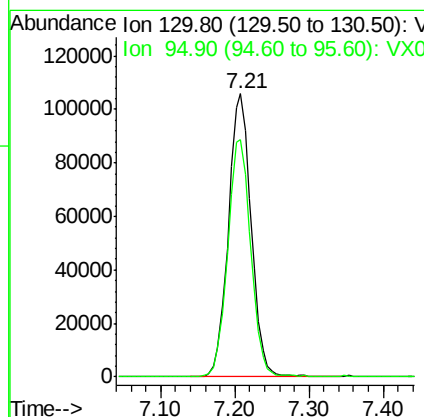
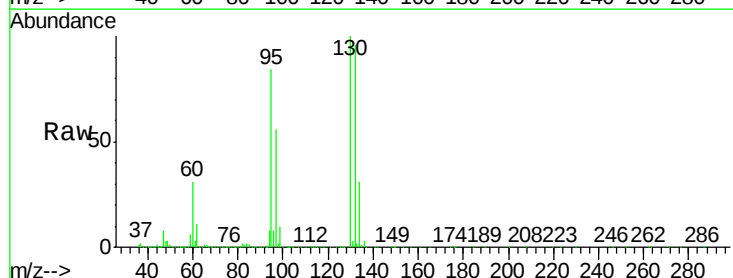
MMDadoda
 8/26/2019 11:40:50 AM

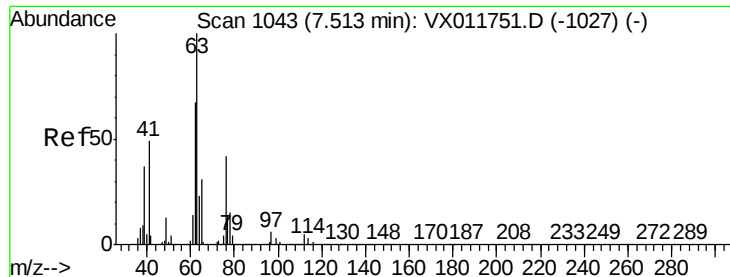


#44

Trichloroethene
 Concen: 52.371 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. -0.00 min
 Lab File: VX011785.D
 Acq: 23 Aug 2019 09:43

Tgt Ion	Ratio	Lower	Upper
130	100		
95	84.0	0.0	179.0





#45

1,2-Dichloropropane

Concen: 50.021 ug/l

RT: 7.51 min Scan# 1042

Delta R.T. -0.01 min

Lab File: VX011785.D

Acq: 23 Aug 2019 09:43

Tot Ion: 63 Resp: 176532

Ion Ratio Lower Upper

63 100

65 30.9 24.8 37.2

Instrument :

MSVOA_X

ClientSampleId :

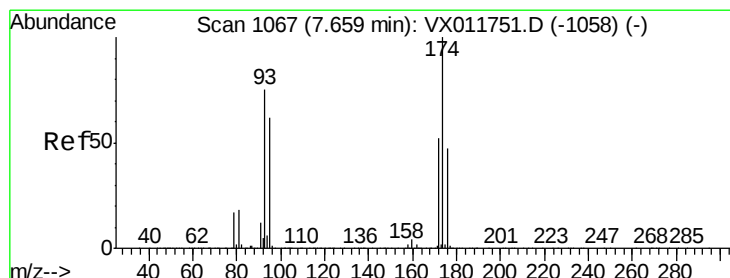
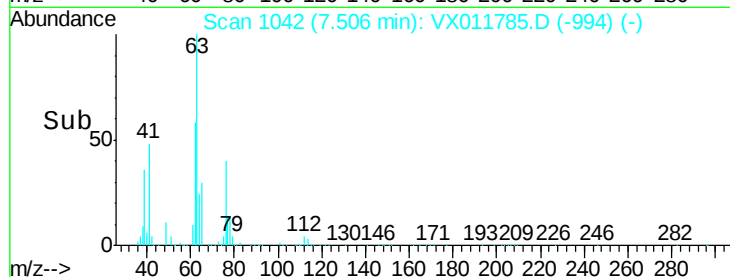
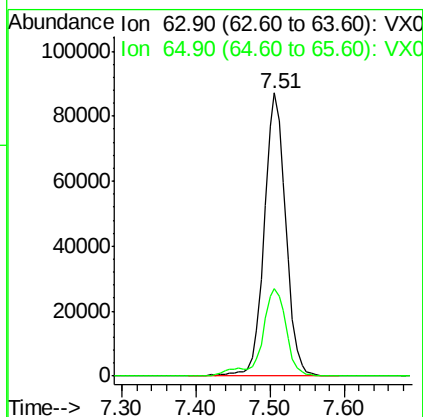
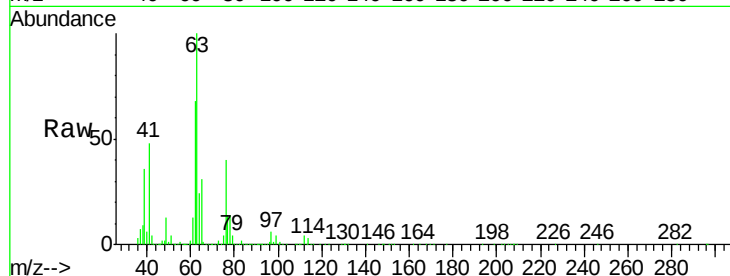
VSTDCCC050

Manual Integrations

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#46

Dibromomethane

Concen: 48.028 ug/l

RT: 7.65 min Scan# 1066

Delta R.T. -0.01 min

Lab File: VX011785.D

Acq: 23 Aug 2019 09:43

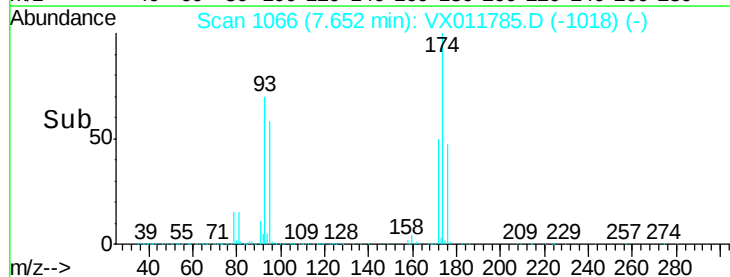
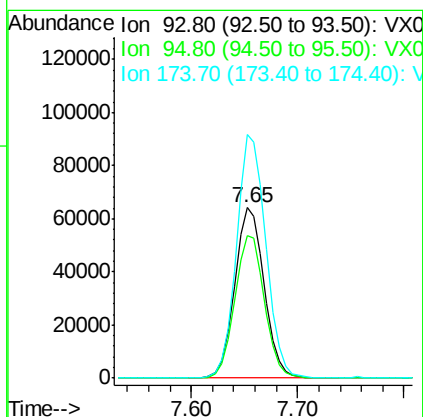
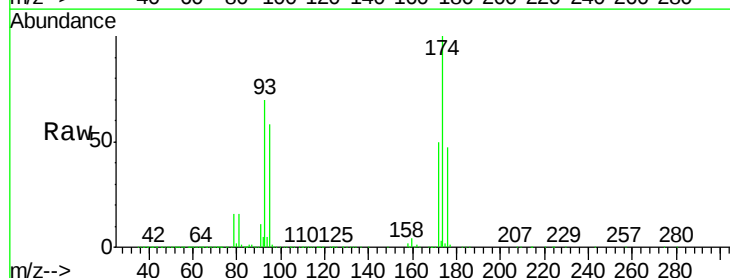
Tgt Ion: 93 Resp: 124963

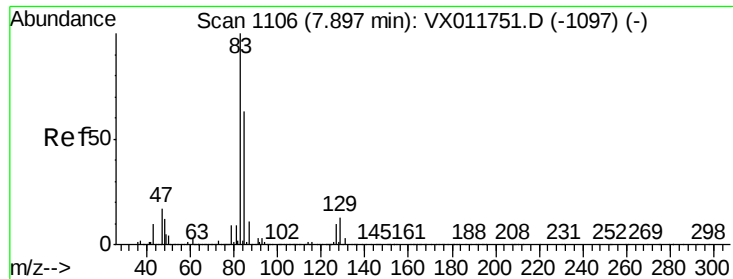
Ion Ratio Lower Upper

93 100

95 84.8 66.2 99.2

174 142.1 104.2 156.4





#47

Bromodichloromethane

Concen: 50.483 ug/l

RT: 7.89 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VX011785.D

Acq: 23 Aug 2019 09:43

Instrument :

MSVOA_X

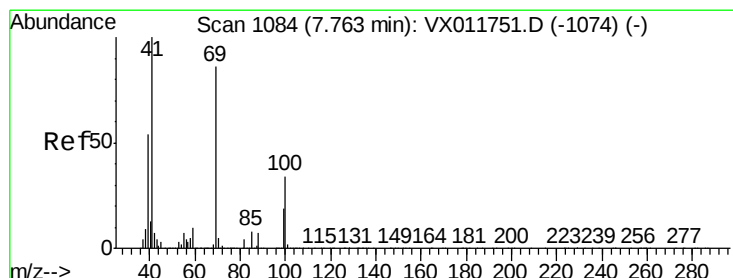
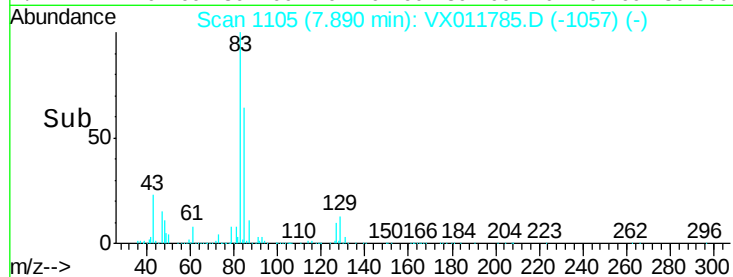
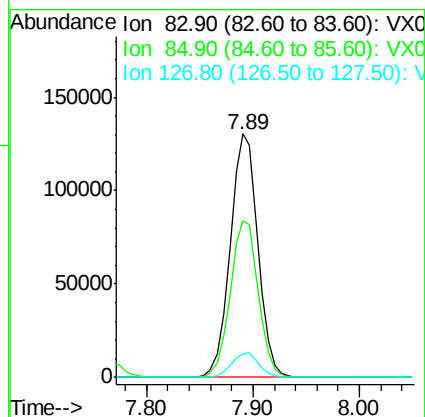
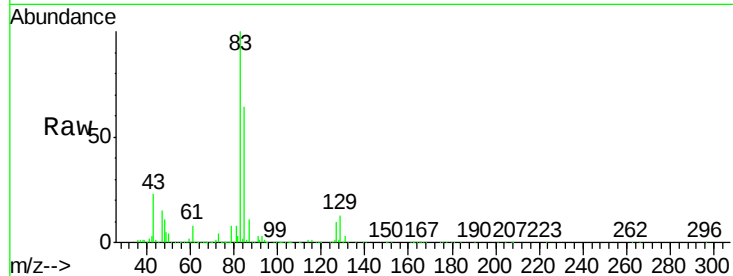
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	236452
Ion Ratio		Lower	Upper
83	100		
85	64.2	50.6	76.0
127	9.8	8.4	12.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 48.549 ug/l

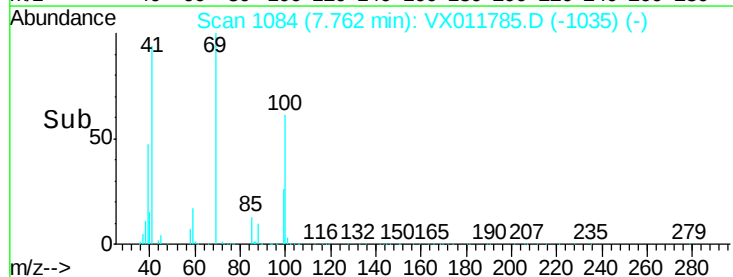
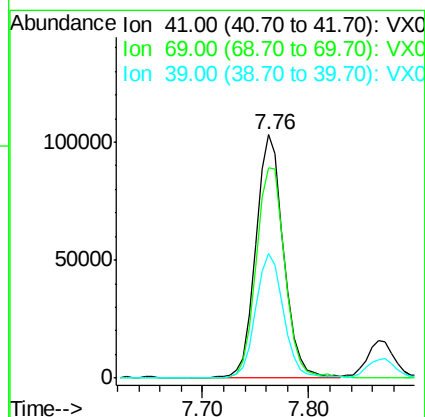
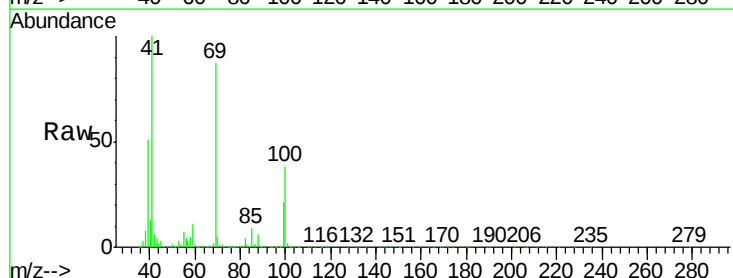
RT: 7.76 min Scan# 1084

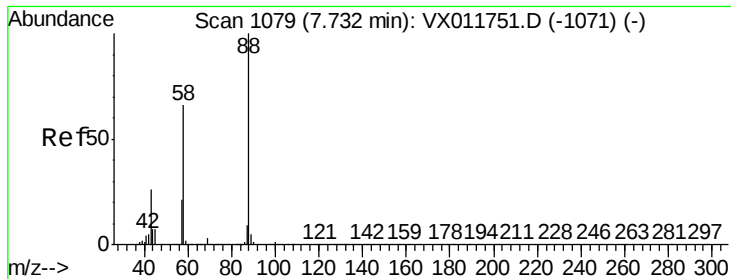
Delta R.T. -0.00 min

Lab File: VX011785.D

Acq: 23 Aug 2019 09:43

Tgt Ion:	41	Resp:	187828
Ion Ratio		Lower	Upper
41	100		
69	90.1	69.4	104.2
39	51.2	43.6	65.4





#49

1,4-Dioxane

Concen: 928.609 ug/l

RT: 7.73 min Scan# 1079

Delta R.T. -0.00 min

Lab File: VX011785.D

Acq: 23 Aug 2019 09:43

Instrument :

MSVOA_X

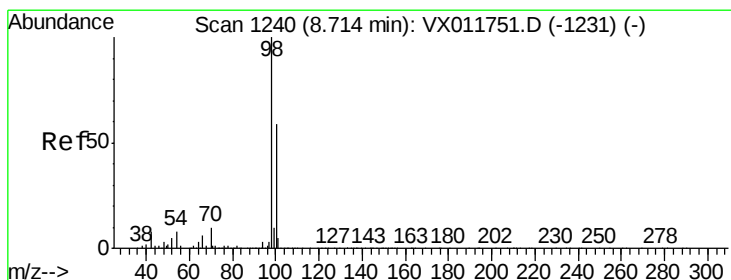
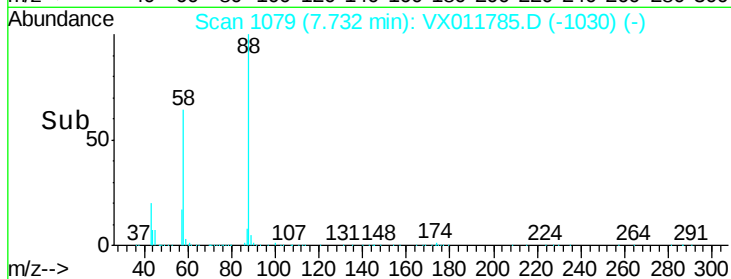
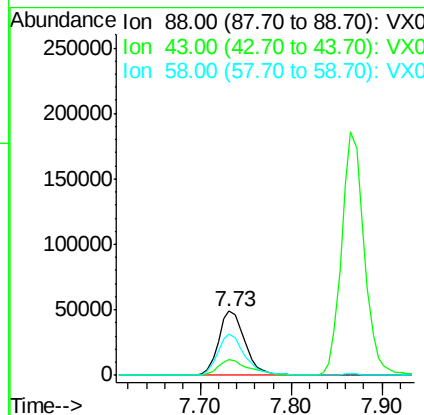
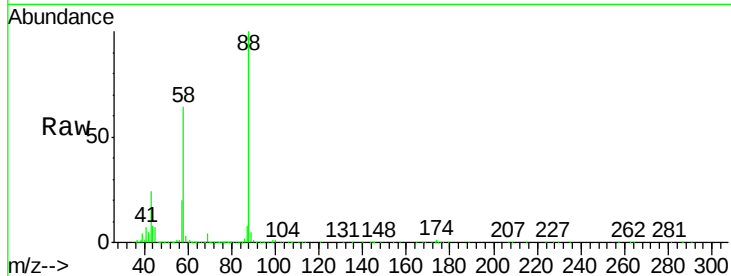
ClientSampleId :

VSTDCCC050

Tot Ion:	88	Resp:	99542
Ion Ratio	Lower	Upper	
88	100		
43	26.7	24.6	37.0
58	66.0	51.4	77.2

Manual Integrations
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#50

Toluene-d8

Concen: 52.190 ug/l

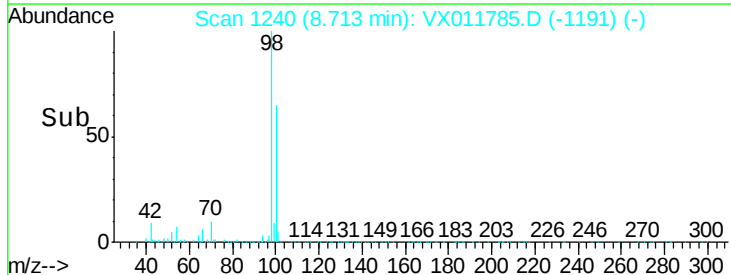
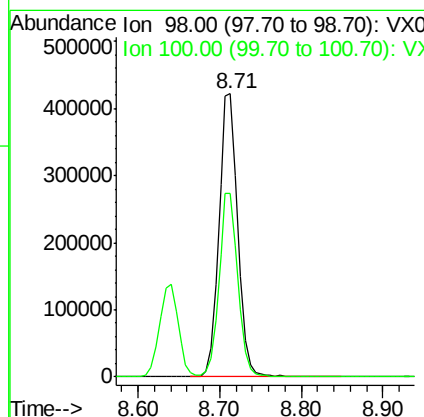
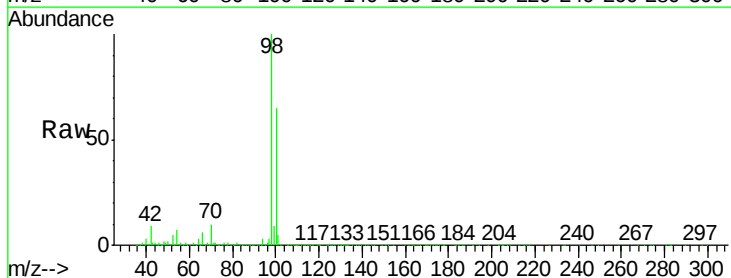
RT: 8.71 min Scan# 1240

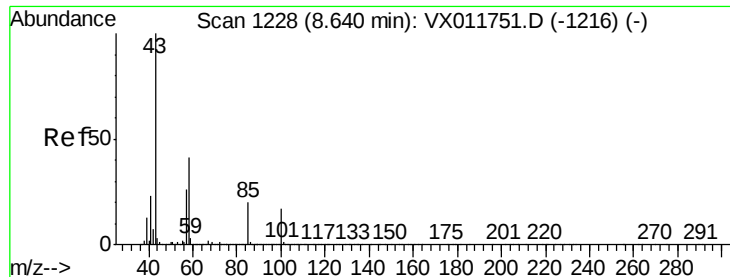
Delta R.T. -0.00 min

Lab File: VX011785.D

Acq: 23 Aug 2019 09:43

Tgt Ion:	98	Resp:	681317
Ion Ratio	Lower	Upper	
98	100		
100	65.0	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 249.533 ug/l

RT: 8.63 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VX011785.D

Acq: 23 Aug 2019 09:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1278233

Ion Ratio Lower Upper

43 100

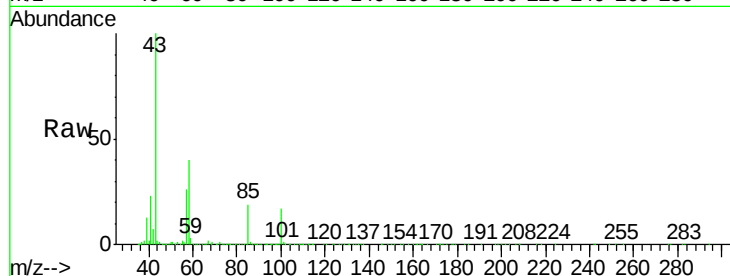
58 40.1 31.8 47.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.63

800000

600000

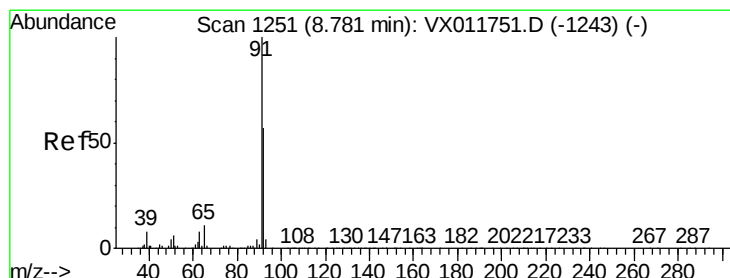
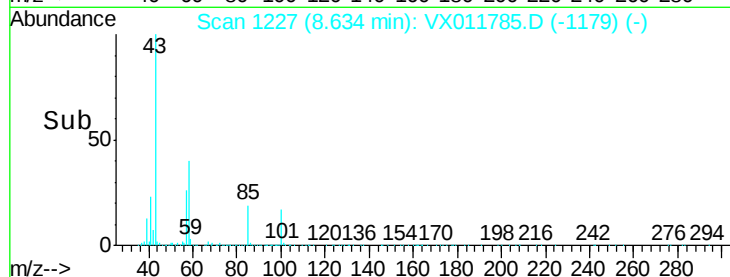
400000

200000

0

8.60 8.70 8.80

Time-->



#52

Toluene

Concen: 51.363 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX011785.D

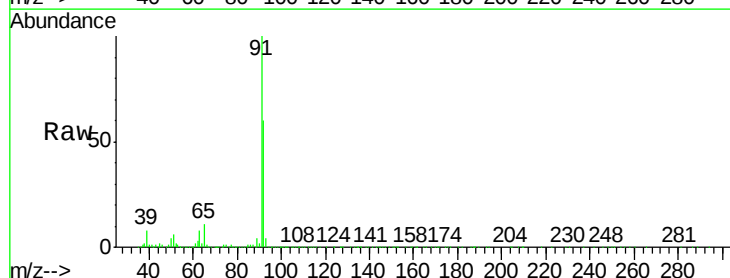
Acq: 23 Aug 2019 09:43

Tgt Ion: 92 Resp: 466681

Ion Ratio Lower Upper

92 100

91 170.8 138.6 207.8



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

600000

500000

400000

300000

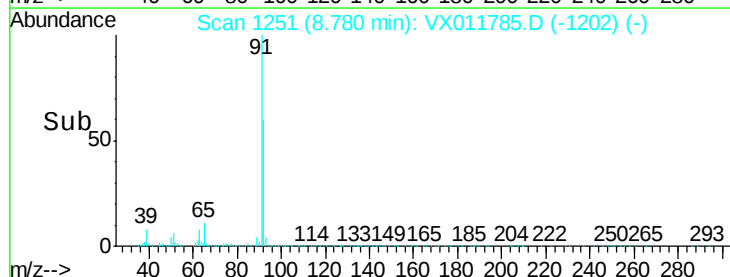
200000

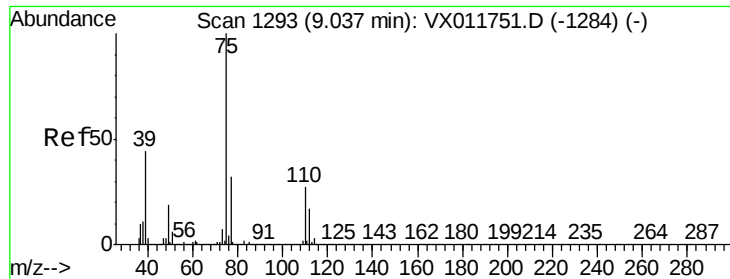
100000

0

8.70 8.80 8.90

Time-->





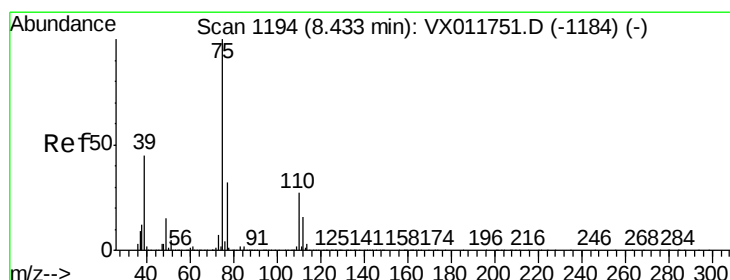
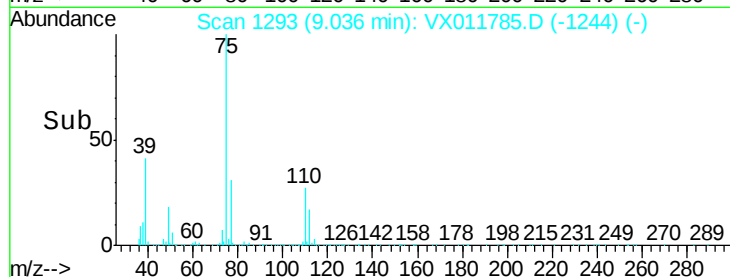
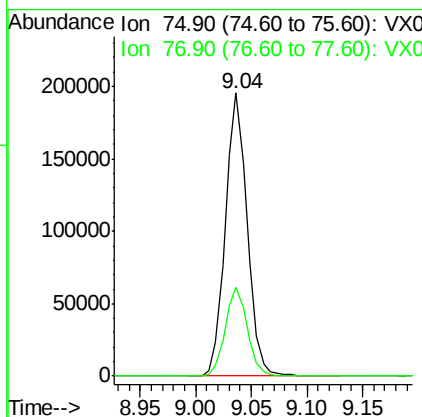
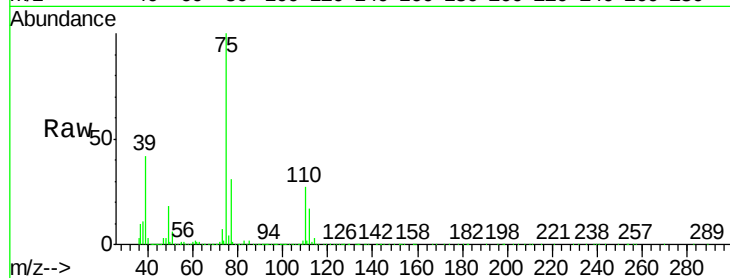
#53
t-1,3-Dichloropropene
Concen: 53.806 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. -0.00 min
Lab File: VX011785.D
Acq: 23 Aug 2019 09:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.4	38.0

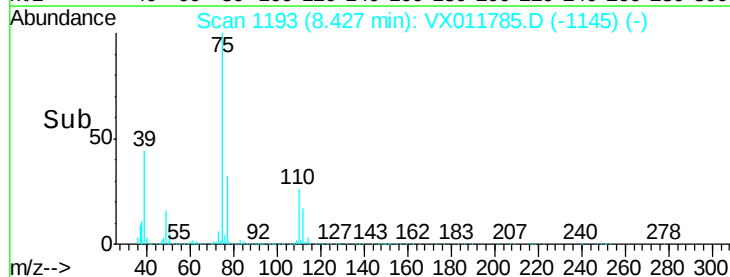
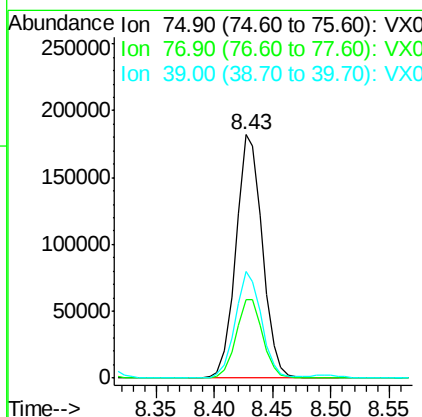
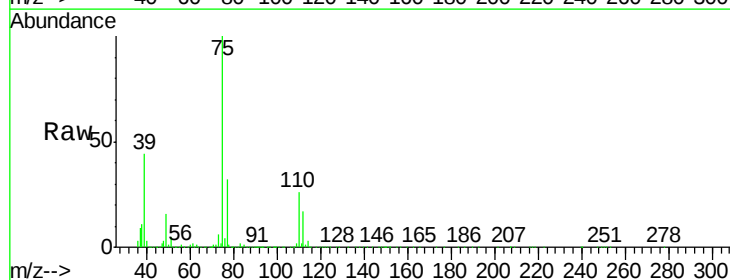
Manual Integrations
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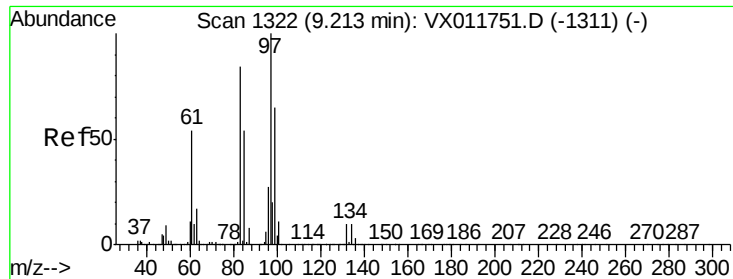
MMDadoda
8/26/2019 11:40:50 AM



#54
cis-1,3-Dichloropropene
Concen: 53.746 ug/l
RT: 8.43 min Scan# 1193
Delta R.T. -0.01 min
Lab File: VX011785.D
Acq: 23 Aug 2019 09:43

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.4	38.2
39	43.6	36.2	54.4





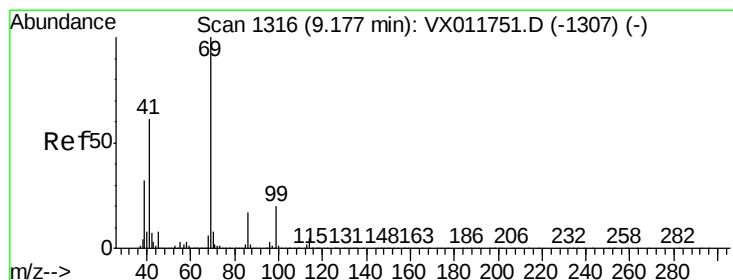
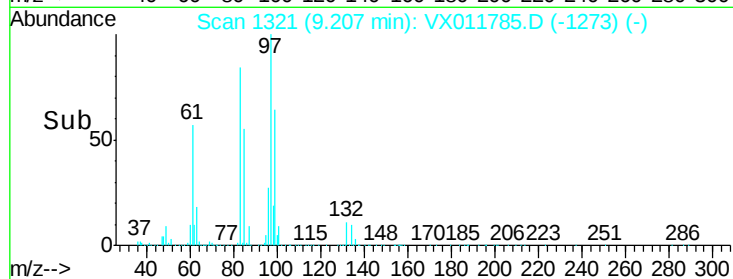
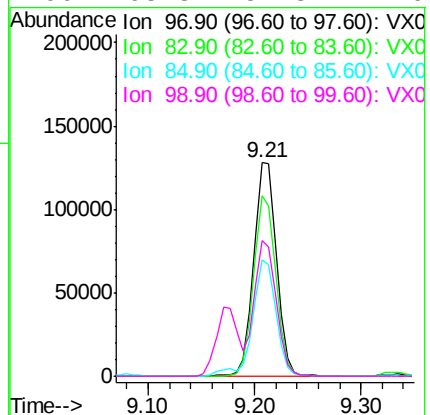
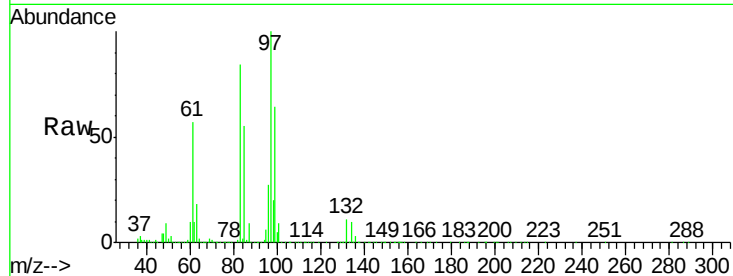
#55
 1,1,2-Trichloroethane
 Concen: 51.067 ug/l
 RT: 9.21 min Scan# 1321
 Delta R.T. -0.01 min
 Lab File: VX011785.D
 Acq: 23 Aug 2019 09:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		193309		
83	84.3	67.3	100.9		
85	54.7	43.4	65.2		
99	63.8	51.8	77.6		

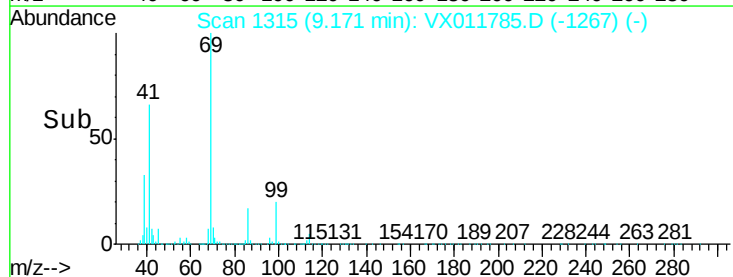
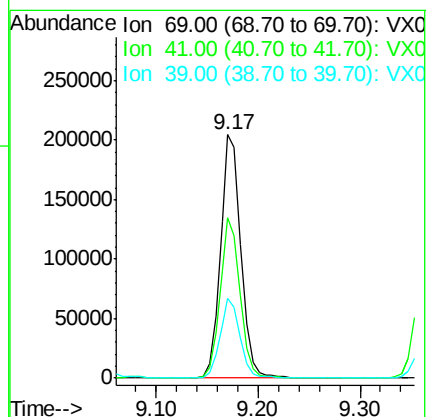
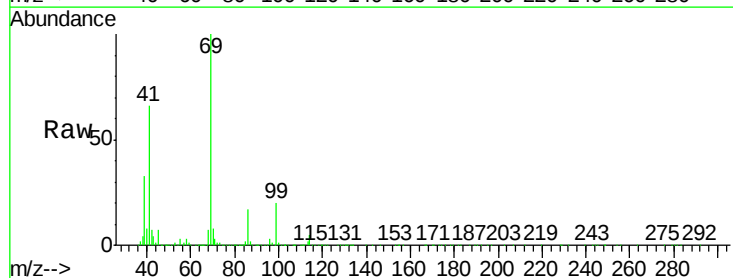
Manual Integrations
 APPROVED

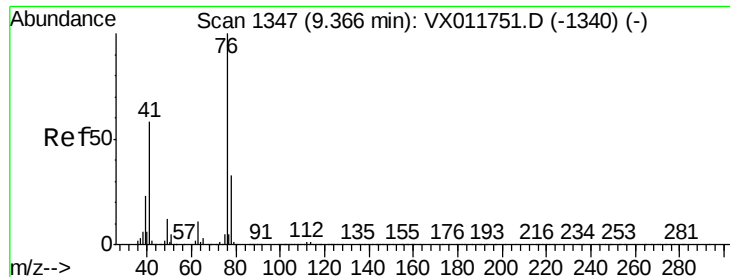
MMDadoda
 8/26/2019 11:40:50 AM



#56
 Ethyl methacrylate
 Concen: 53.158 ug/l
 RT: 9.17 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VX011785.D
 Acq: 23 Aug 2019 09:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		286179		
41	64.1	50.7	76.1		
39	31.5	26.4	39.6		





#57

1,3-Dichloropropane

Concen: 50.114 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. -0.00 min

Lab File: VX011785.D

Acq: 23 Aug 2019 09:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 306313

Ion Ratio Lower Upper

76 100

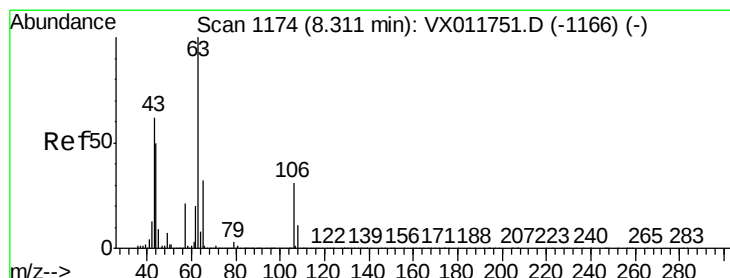
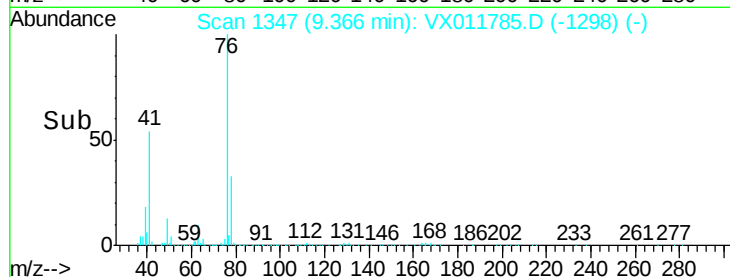
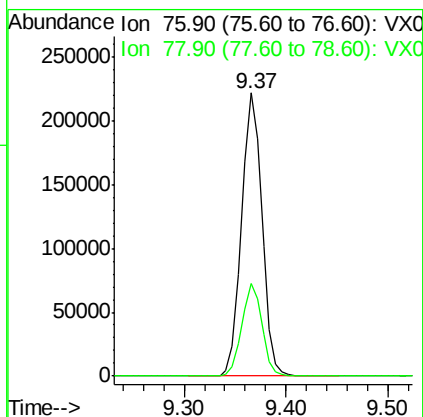
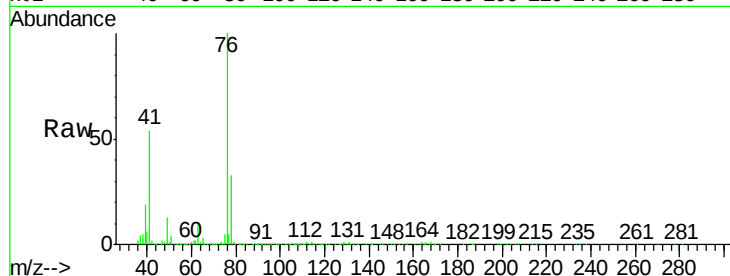
78 32.3 26.6 39.8

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#58

2-Chloroethyl Vinyl ether

Concen: 269.888 ug/l

RT: 8.30 min Scan# 1173

Delta R.T. -0.01 min

Lab File: VX011785.D

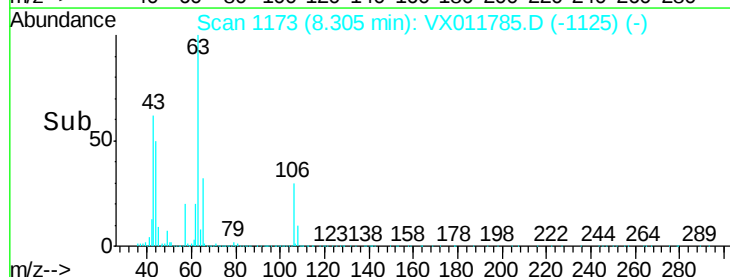
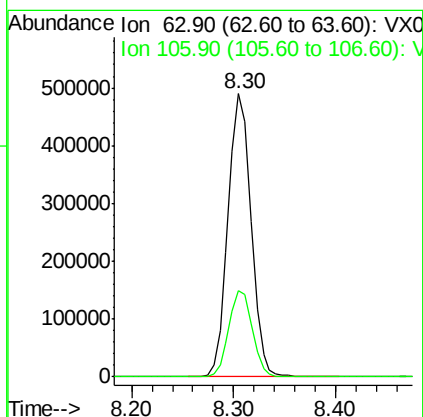
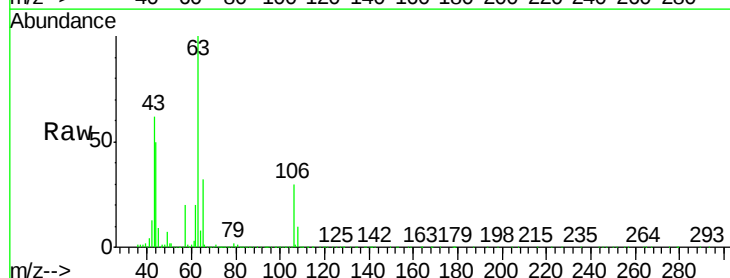
Acq: 23 Aug 2019 09:43

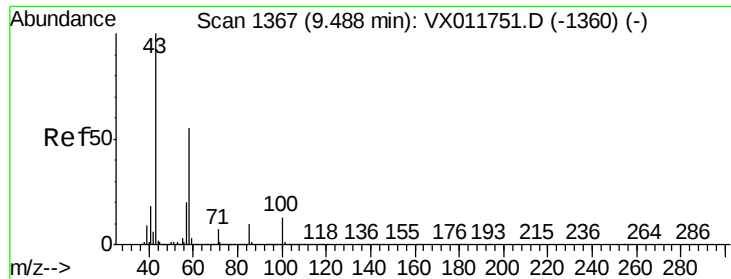
Tgt Ion: 63 Resp: 764303

Ion Ratio Lower Upper

63 100

106 31.1 24.9 37.3





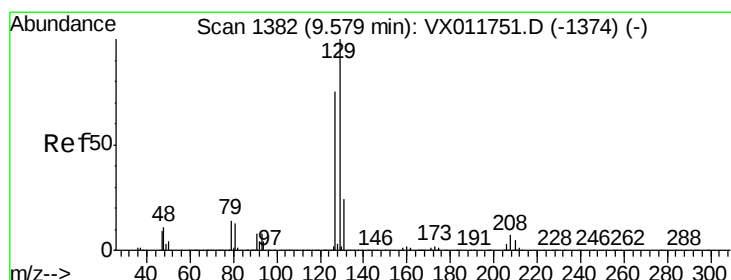
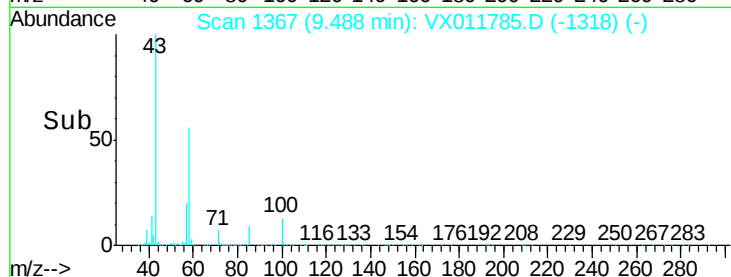
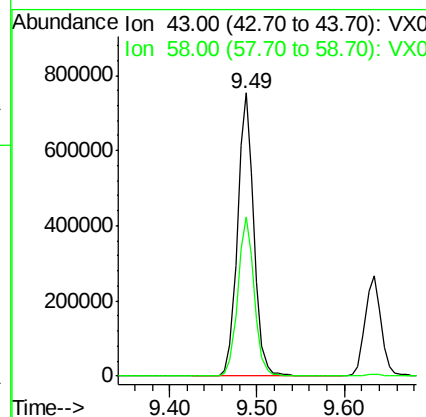
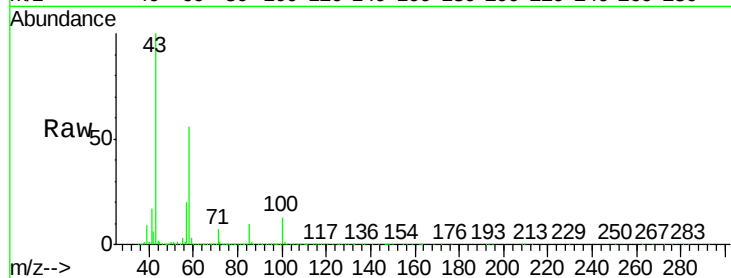
#59
2-Hexanone
Concen: 250.793 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX011785.D
Acq: 23 Aug 2019 09:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 986035
Ion Ratio Lower Upper
43 100
58 56.6 27.7 83.1

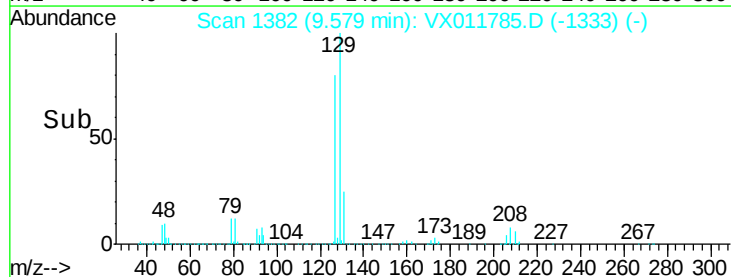
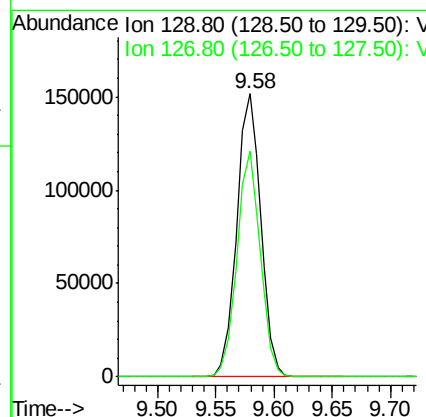
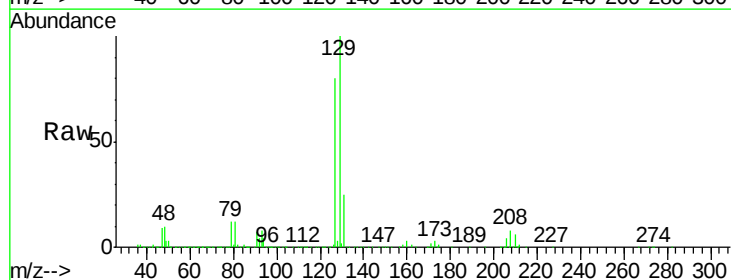
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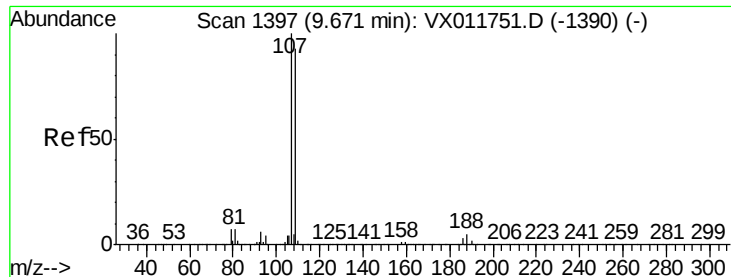
MMDadoda
8/26/2019 11:40:50 AM



#60
Dibromochloromethane
Concen: 53.263 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX011785.D
Acq: 23 Aug 2019 09:43

Tgt Ion: 129 Resp: 217994
Ion Ratio Lower Upper
129 100
127 77.7 38.3 114.8





#61

1,2-Dibromoethane

Concen: 51.534 ug/l

RT: 9.66 min Scan# 1396

Delta R.T. -0.01 min

Lab File: VX011785.D

Acq: 23 Aug 2019 09:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 209317

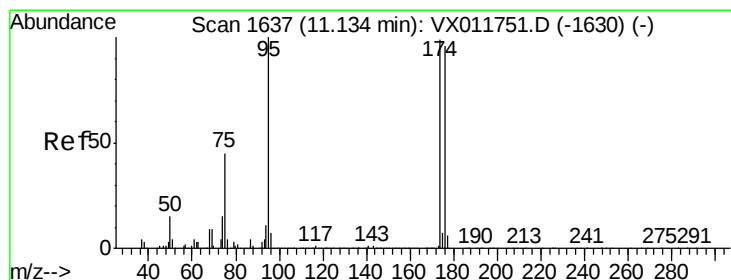
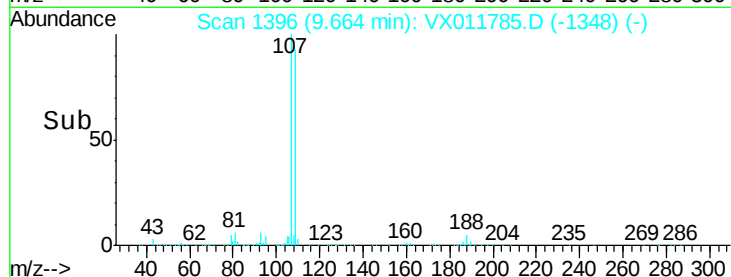
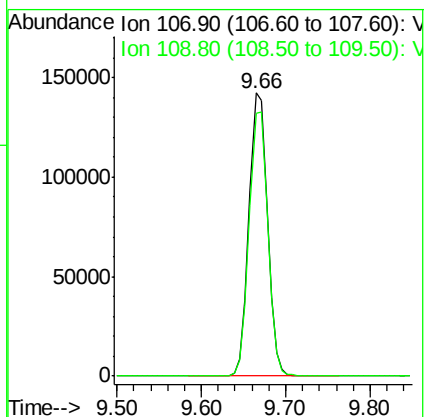
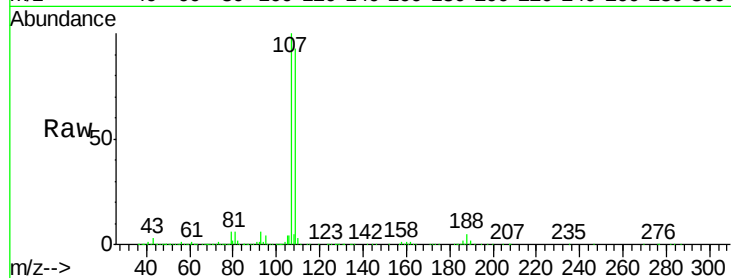
Ion Ratio Lower Upper

107 100

109 94.5 75.8 113.8

Manual Integrations
APPROVED

MMDadoda
8/26/2019 11:40:50 AM



#62

4-Bromofluorobenzene

Concen: 48.652 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX011785.D

Acq: 23 Aug 2019 09:43

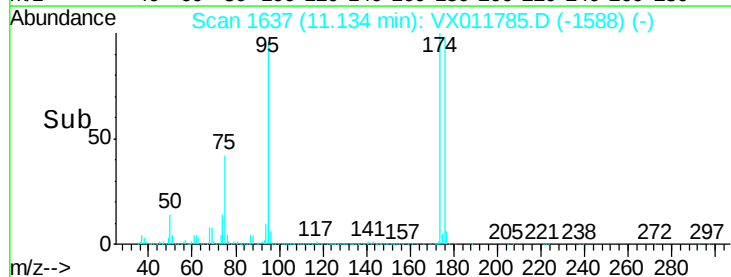
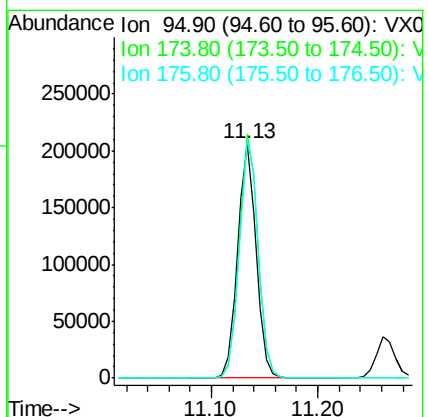
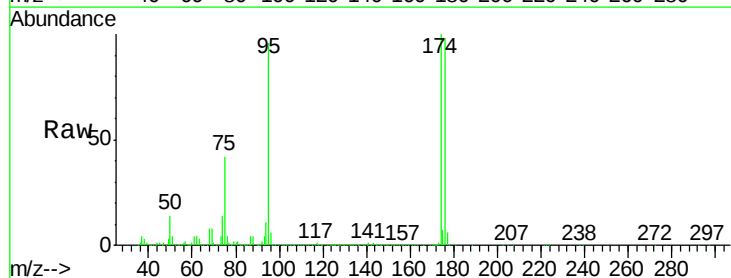
Tgt Ion: 95 Resp: 251042

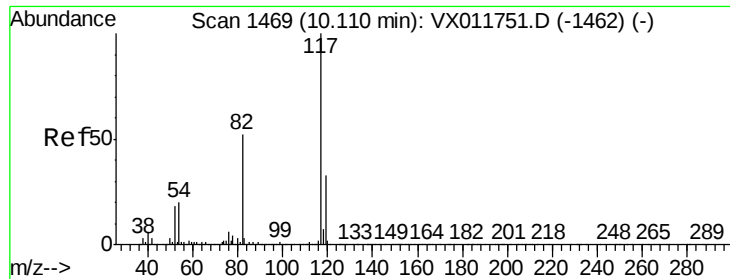
Ion Ratio Lower Upper

95 100

174 105.8 0.0 197.4

176 103.4 0.0 194.4





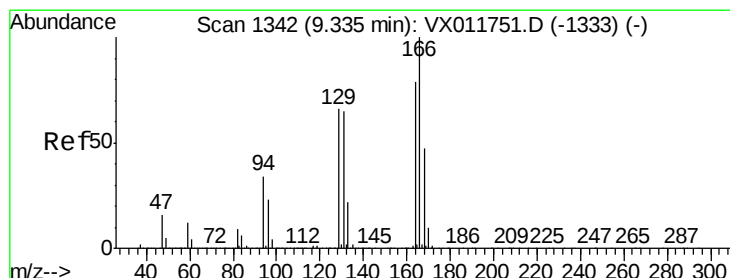
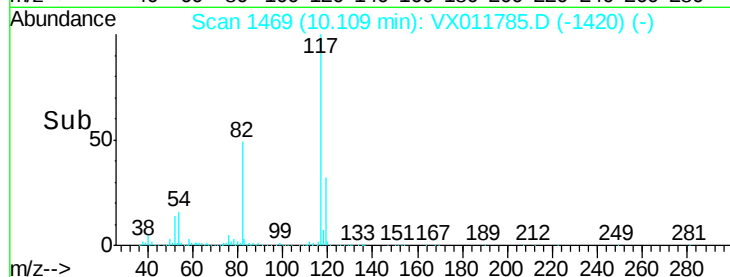
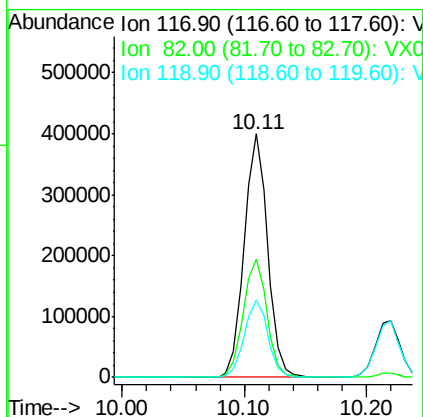
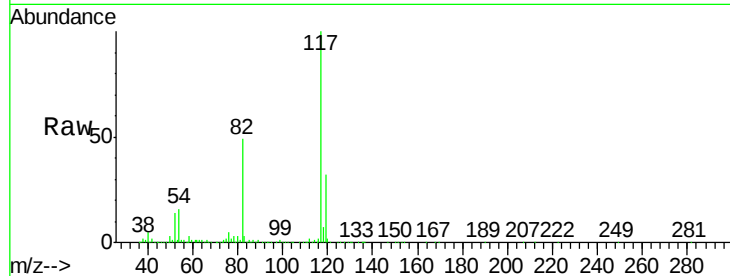
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011785.D
Acq: 23 Aug 2019 09:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	48.6	41.7	62.5
119	31.8	26.2	39.2

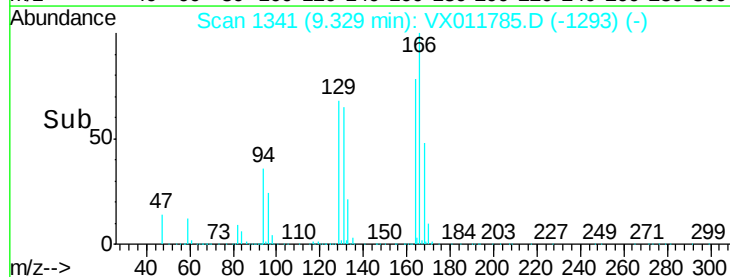
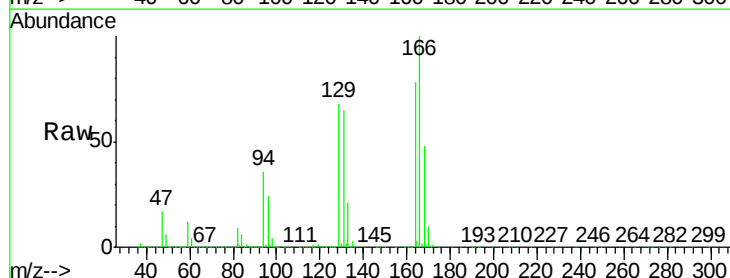
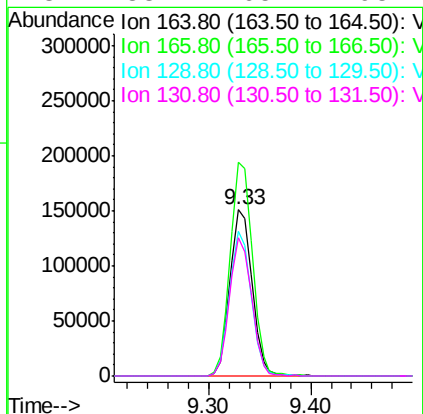
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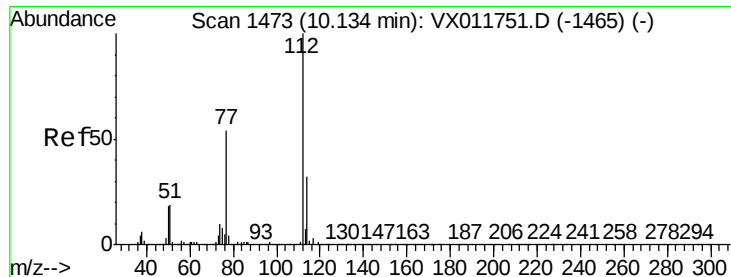
MMDadoda
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#64
Tetrachloroethene
Concen: 53.709 ug/l
RT: 9.33 min Scan# 1341
Delta R.T. -0.01 min
Lab File: VX011785.D
Acq: 23 Aug 2019 09:43

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.5	100.7	151.1
129	87.1	66.8	100.2
131	83.1	65.4	98.2





#65

Chlorobenzene

Concen: 51.482 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.00 min

Lab File: VX011785.D

Acq: 23 Aug 2019 09:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 531213

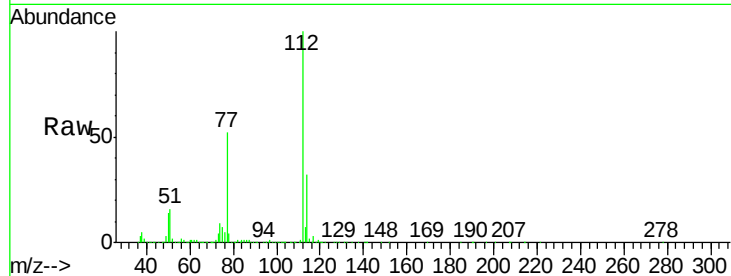
Ion Ratio Lower Upper

112 100

114 32.1 25.4 38.0

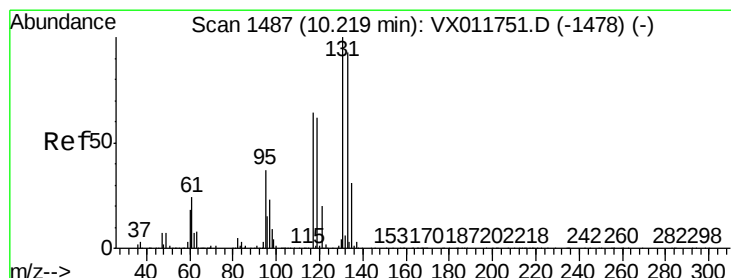
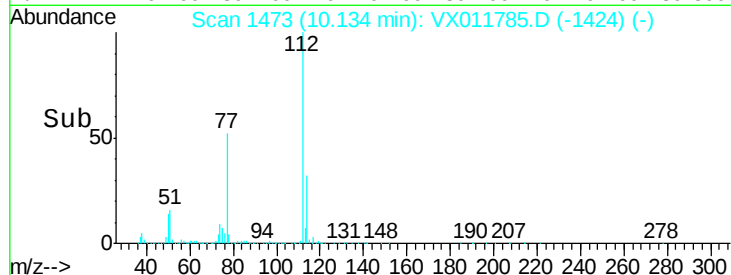
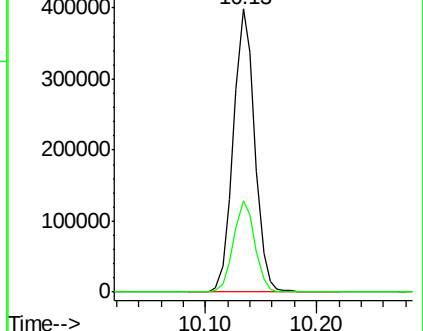
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 52.705 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX011785.D

Acq: 23 Aug 2019 09:43

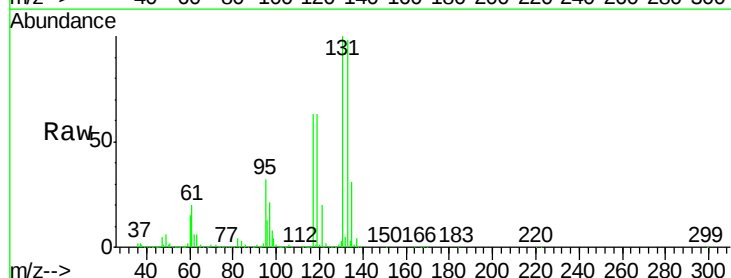
Tgt Ion:131 Resp: 203757

Ion Ratio Lower Upper

131 100

133 95.8 47.8 143.4

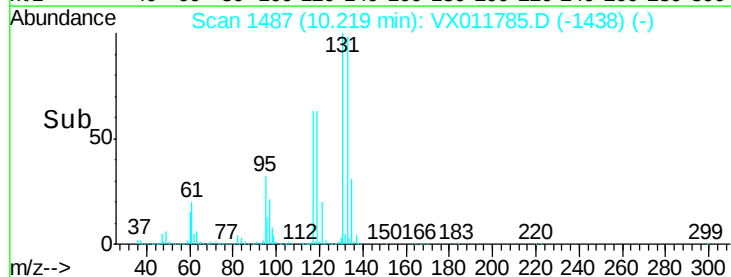
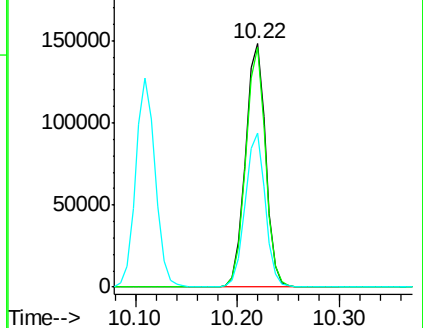
119 62.8 31.3 93.8

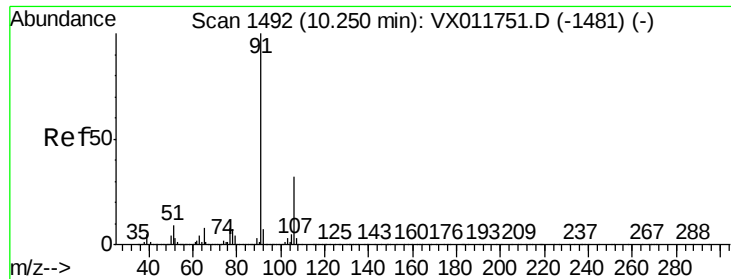


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





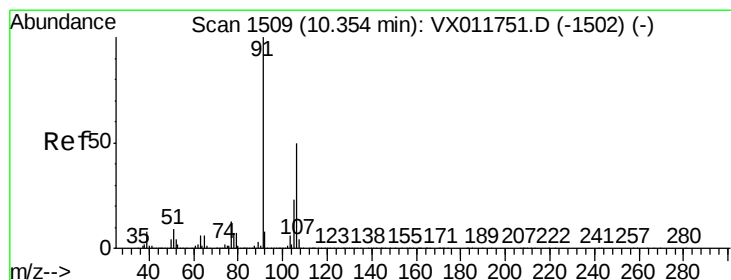
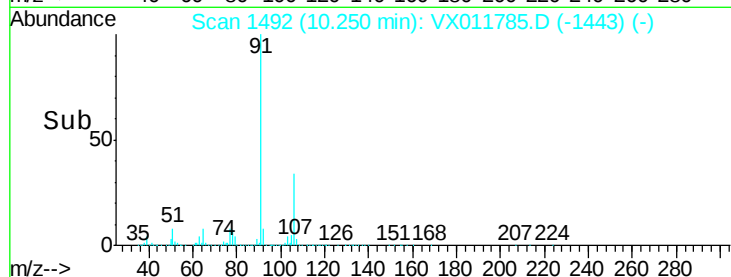
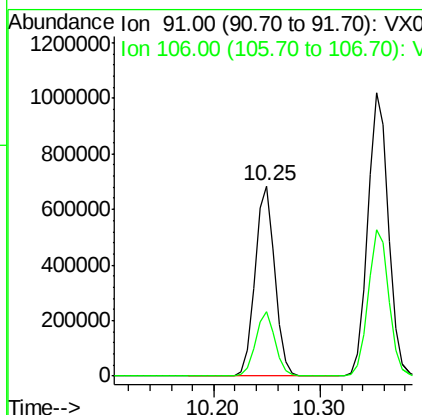
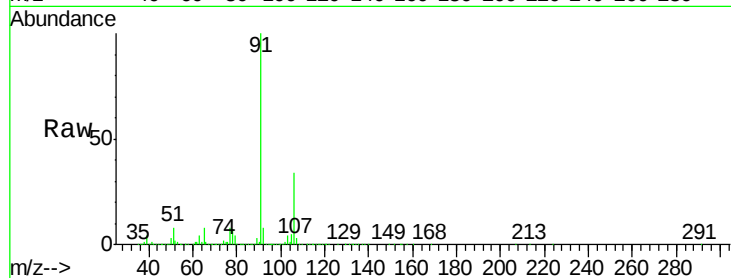
#67
Ethyl Benzene
Concen: 51.874 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX011785.D
Acq: 23 Aug 2019 09:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
106	33.8	25.5	38.3	

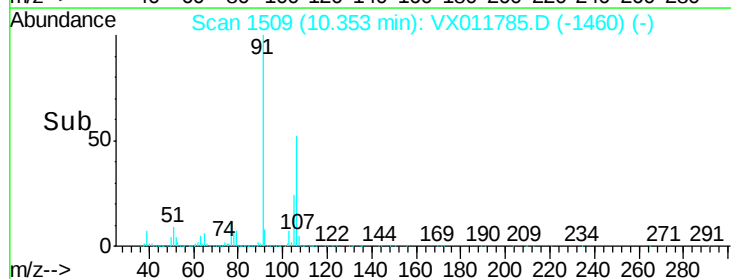
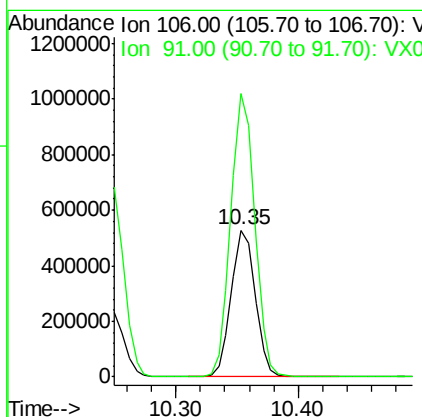
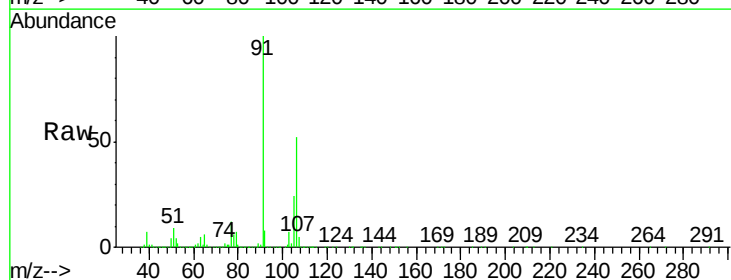
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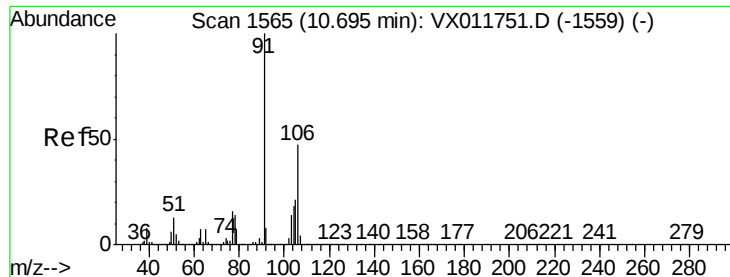
MMDadoda
8/26/2019 11:40:50 AM



#68
m/p-Xylenes
Concen: 107.816 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.00 min
Lab File: VX011785.D
Acq: 23 Aug 2019 09:43

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	192.7	158.3	237.5	





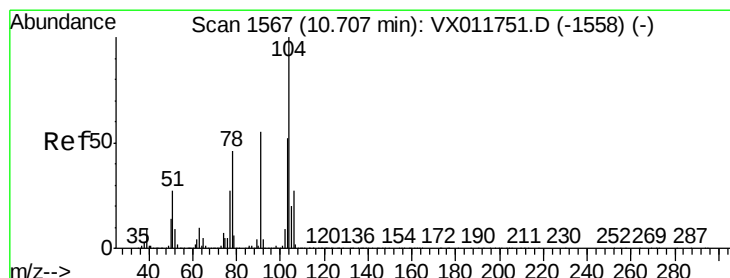
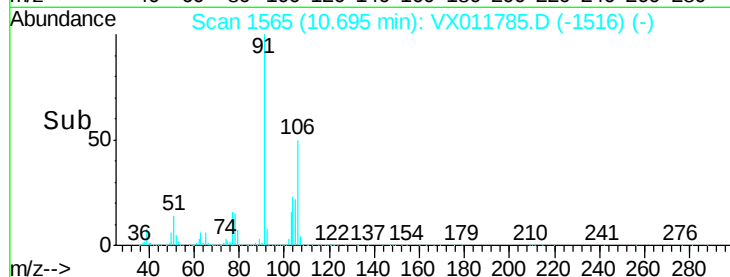
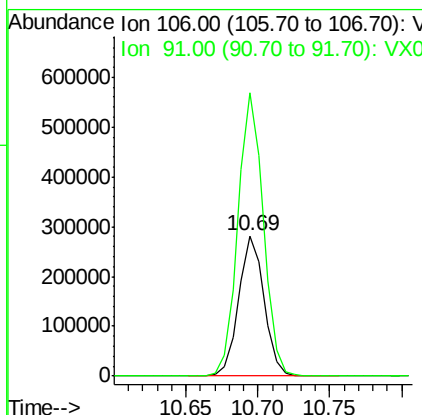
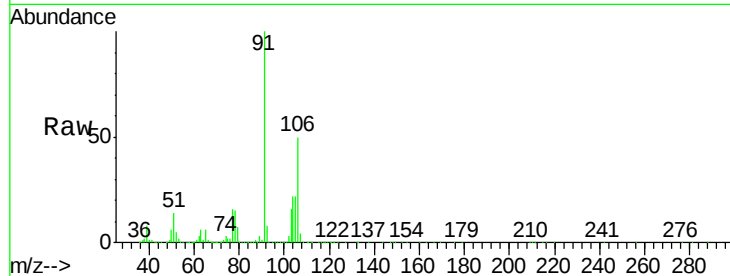
#69
o-Xylene
Concen: 52.903 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX011785.D
Acq: 23 Aug 2019 09:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	201.9	105.0	314.9

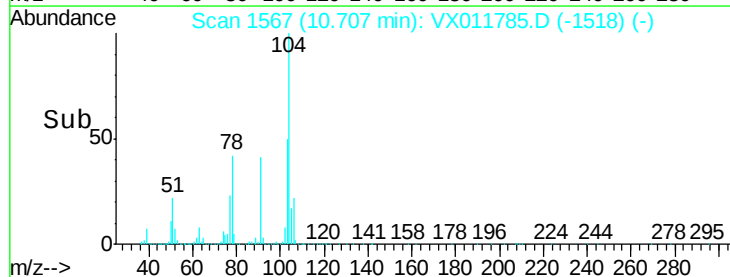
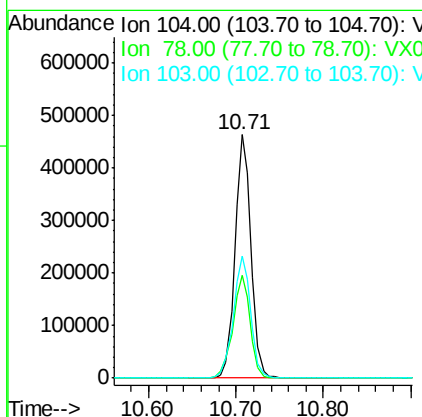
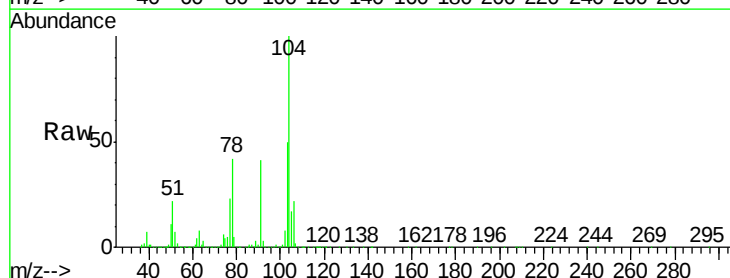
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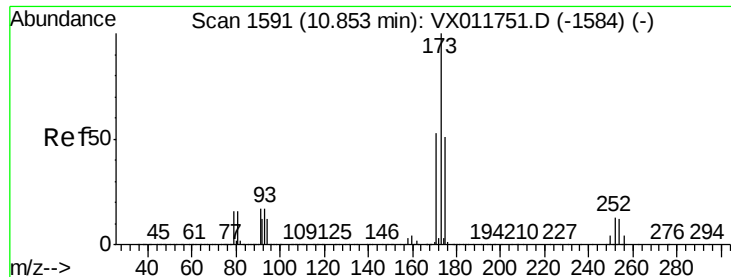
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#70
Styrene
Concen: 54.474 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX011785.D
Acq: 23 Aug 2019 09:43

Tgt Ion	Ratio	Lower	Upper
104	100		
78	45.7	39.2	58.8
103	54.5	44.5	66.7





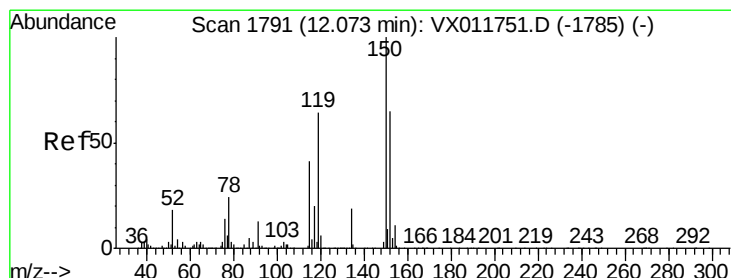
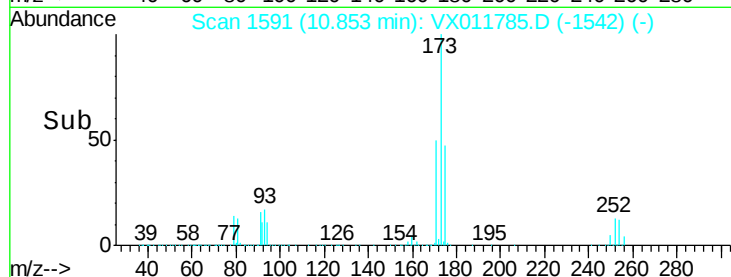
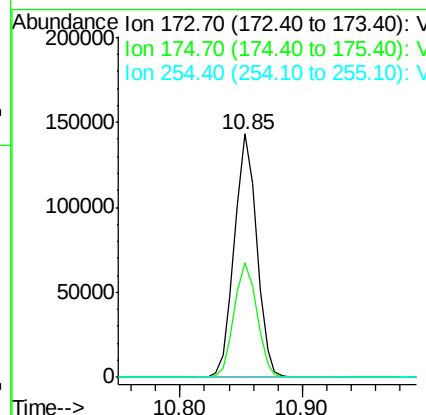
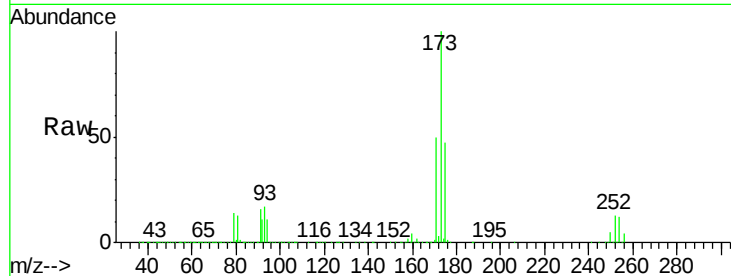
#71
Bromoform
Concen: 54.230 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.00 min
Lab File: VX011785.D
Acq: 23 Aug 2019 09:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	25.1	75.3
254	0.2	0.2	0.4

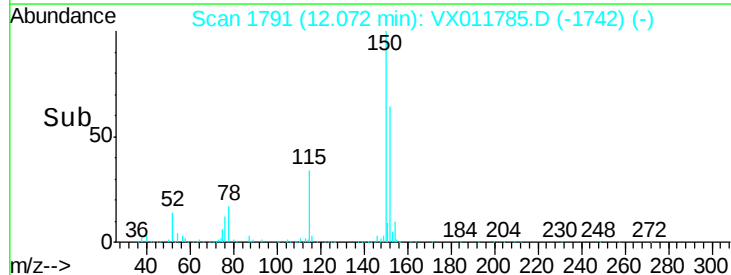
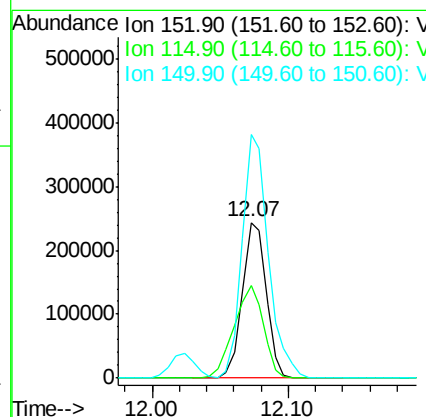
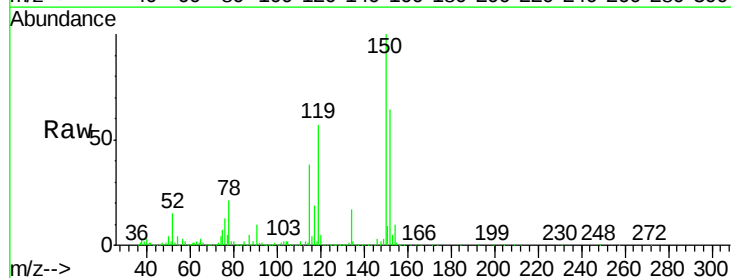
Manual Integrations
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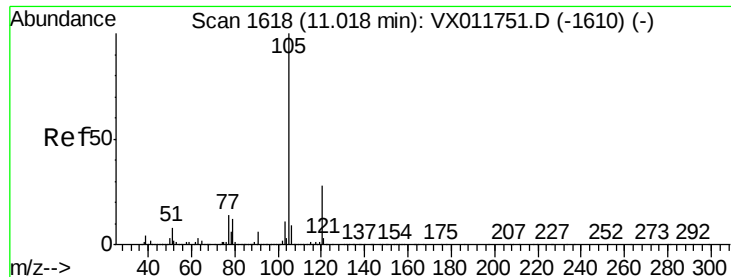
MMDadoda
8/26/2019 11:40:50 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1791
Delta R.T. -0.00 min
Lab File: VX011785.D
Acq: 23 Aug 2019 09:43

Tgt Ion	Ratio	Lower	Upper
152	100		
115	73.4	37.3	111.8
150	172.2	0.0	343.0





#73

Isopropylbenzene

Concen: 51.623 ug/l

RT: 11.01 min Scan# 1617

Delta R.T. -0.01 min

Lab File: VX011785.D

Acq: 23 Aug 2019 09:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 926753

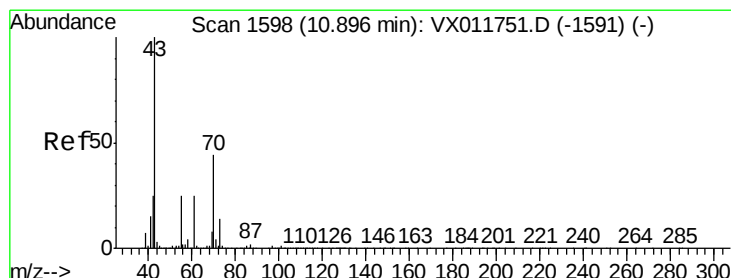
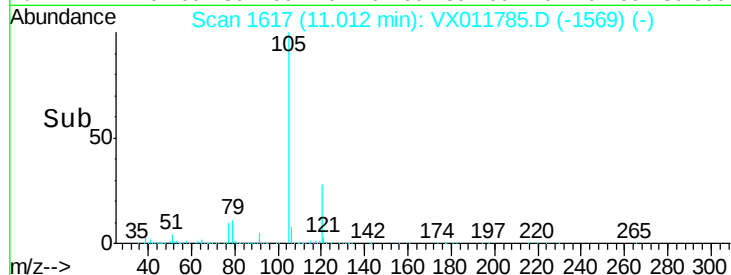
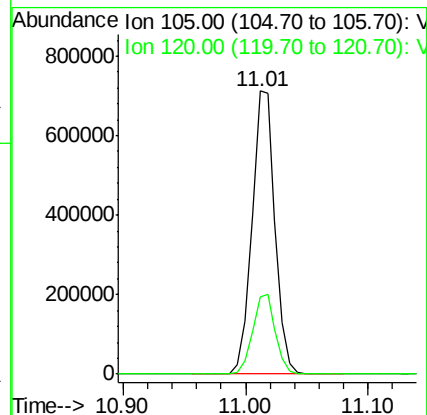
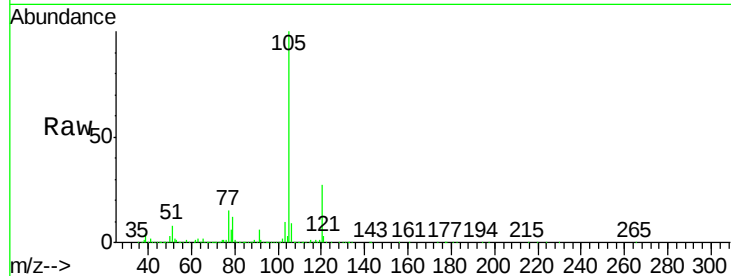
Ion Ratio Lower Upper

105 100

120 28.0 13.9 41.7

Manual Integrations
APPROVED

MMDadoda
8/26/2019 11:40:50 AM



#74

N-ethyl acetate

Concen: 48.357 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX011785.D

Acq: 23 Aug 2019 09:43

Tgt Ion: 43 Resp: 336091

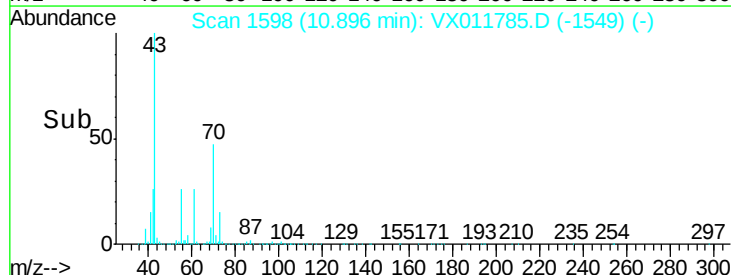
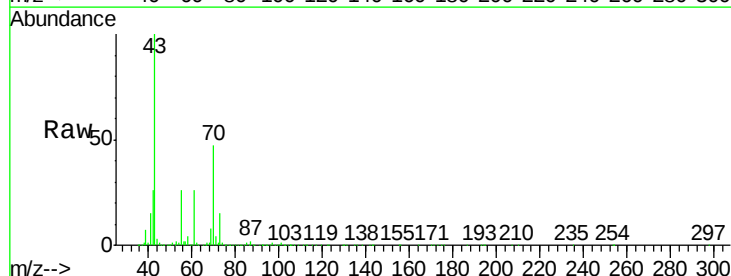
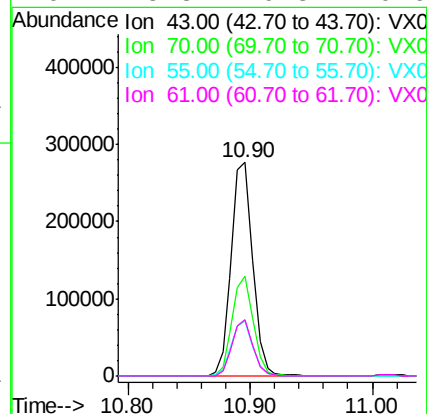
Ion Ratio Lower Upper

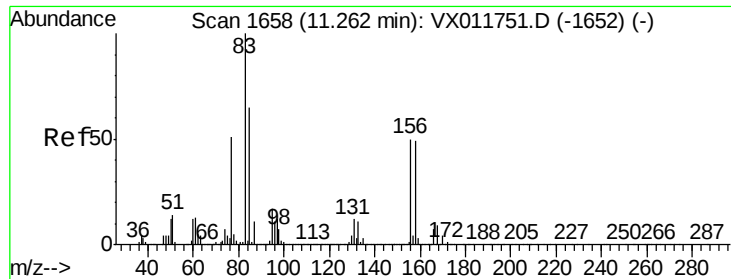
43 100

70 45.7 34.8 52.2

55 25.6 19.5 29.3

61 25.3 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 48.011 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.00 min

Lab File: VX011785.D

Acq: 23 Aug 2019 09:43

Instrument :

MSVOA_X

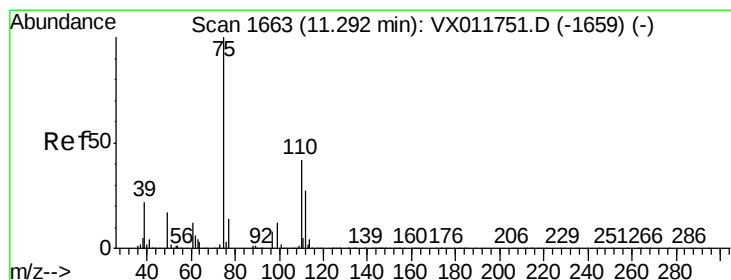
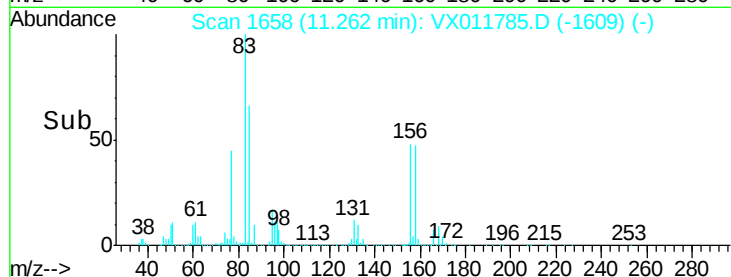
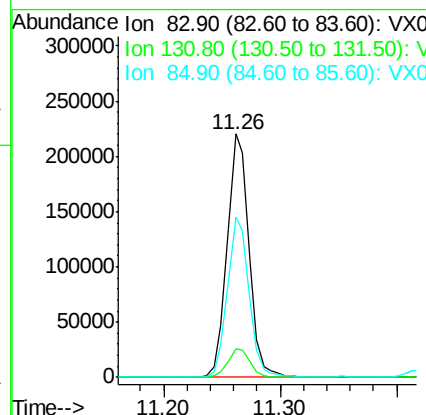
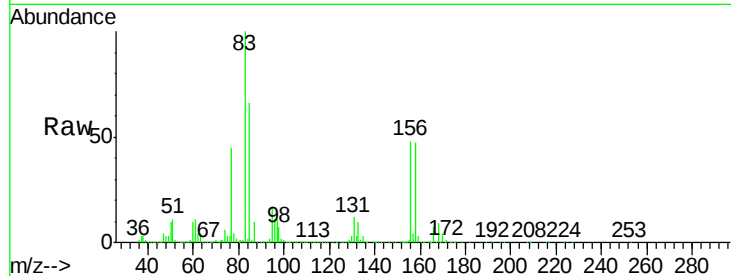
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	285291
Ion Ratio	Lower	Upper	
83	100		
131	11.9	6.1	18.3
85	65.5	32.4	97.0

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#76

1,2,3-Trichloropropane

Concen: 47.273 ug/l m

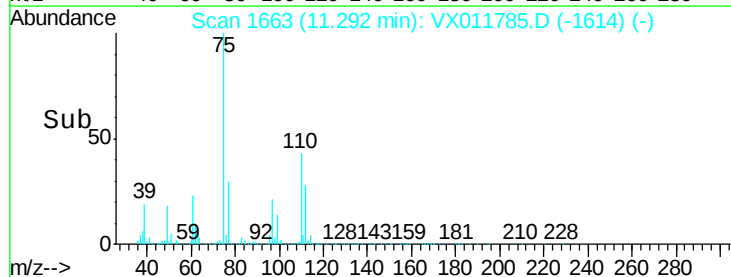
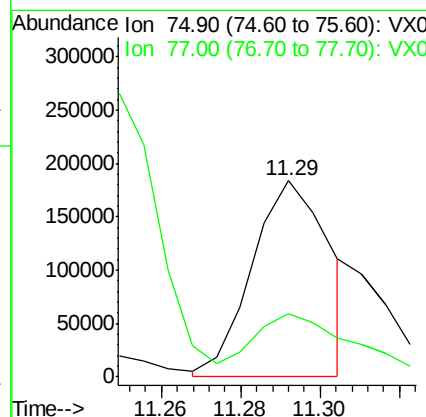
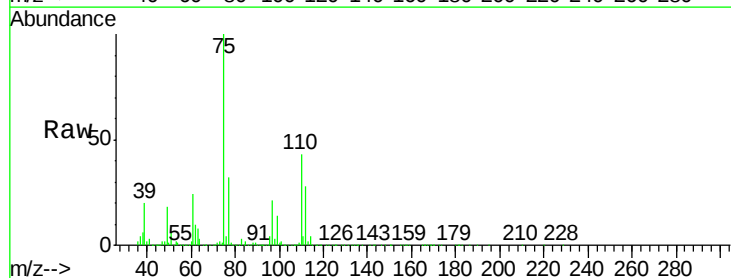
RT: 11.29 min Scan# 1663

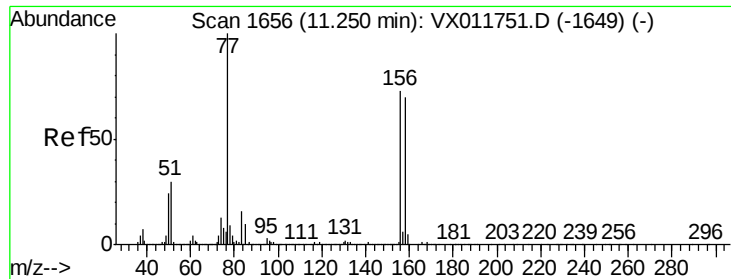
Delta R.T. -0.00 min

Lab File: VX011785.D

Acq: 23 Aug 2019 09:43

Tgt Ion:	75	Resp:	247101
Ion Ratio	Lower	Upper	
75	100		
77	42.0	21.1	63.3





#77

Bromobenzene

Concen: 51.423 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.00 min

Lab File: VX011785.D

Acq: 23 Aug 2019 09:43

Instrument :

MSVOA_X

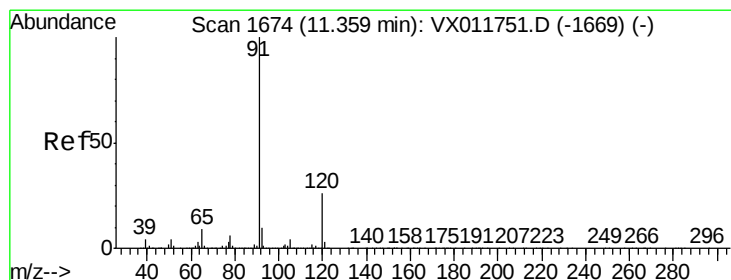
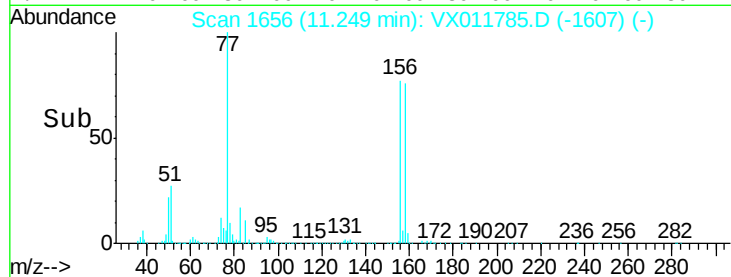
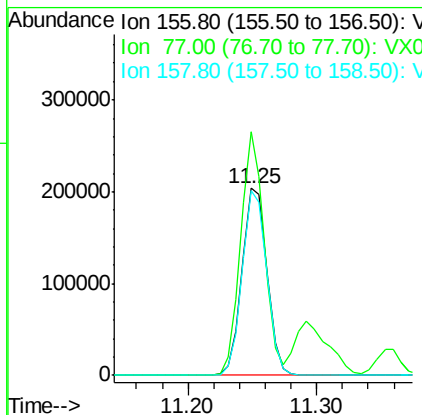
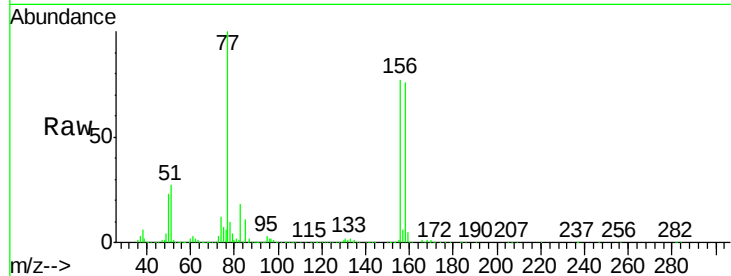
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	123.4	65.3	196.0
158	97.4	48.4	145.0

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#78

n-propylbenzene

Concen: 52.667 ug/l

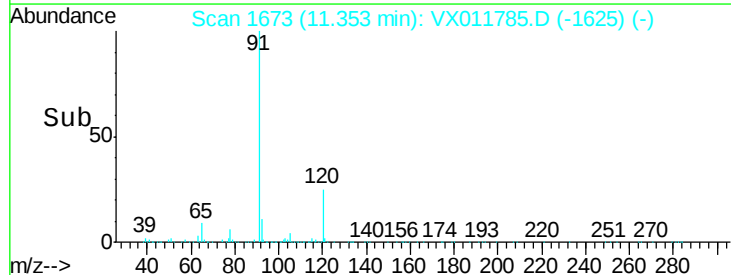
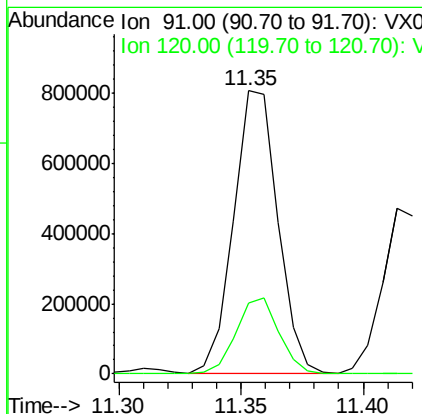
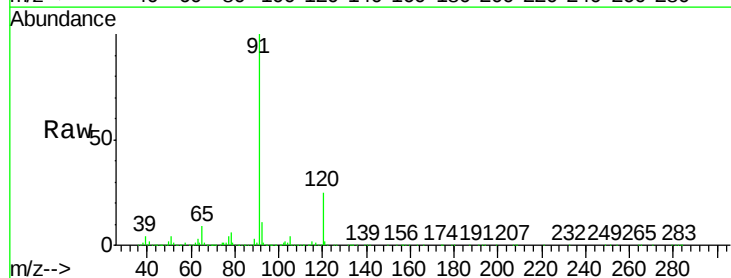
RT: 11.35 min Scan# 1673

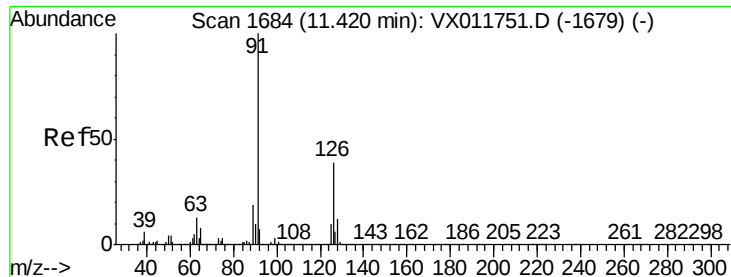
Delta R.T. -0.01 min

Lab File: VX011785.D

Acq: 23 Aug 2019 09:43

Tgt Ion	Ratio	Lower	Upper
91	100		
120	26.1	12.7	38.1





#79

2-Chlorotoluene

Concen: 49.978 ug/l

RT: 11.41 min Scan# 1683

Delta R.T. -0.01 min

Lab File: VX011785.D

Acq: 23 Aug 2019 09:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 596865

Ion Ratio Lower Upper

91 100

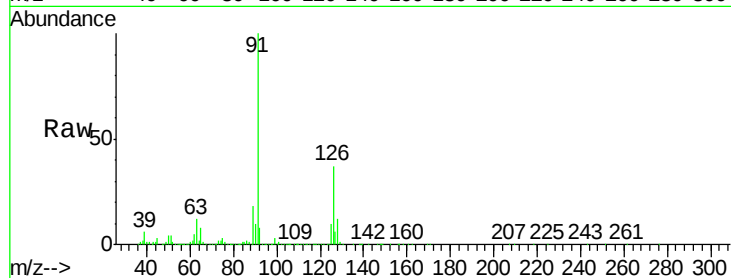
126 38.7 18.6 55.6

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX011751.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX011751.D (-1679) (-)

800000

600000

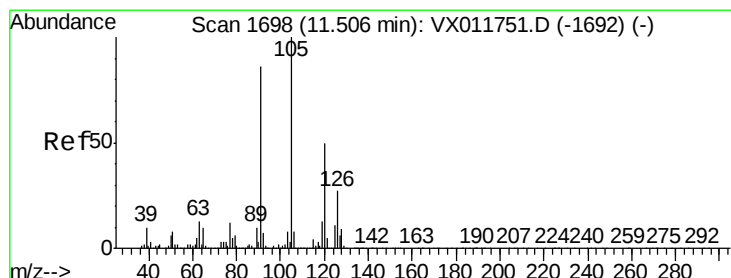
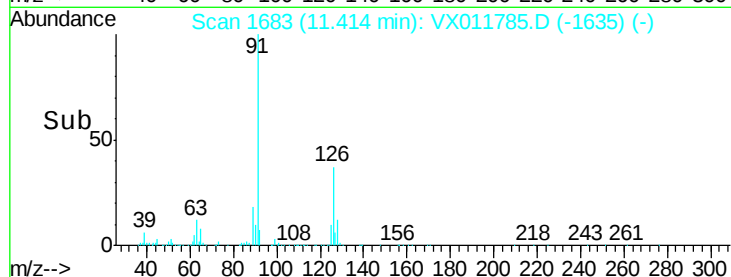
400000

200000

0

11.40 11.41 11.42 11.43 11.44 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 52.594 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX011785.D

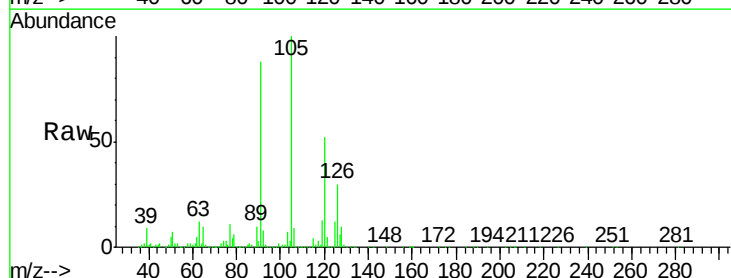
Acq: 23 Aug 2019 09:43

Tgt Ion: 105 Resp: 787784

Ion Ratio Lower Upper

105 100

120 51.8 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): VX011751.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX011751.D (-1692) (-)

600000

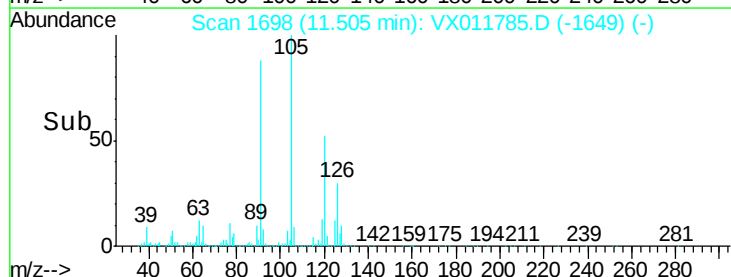
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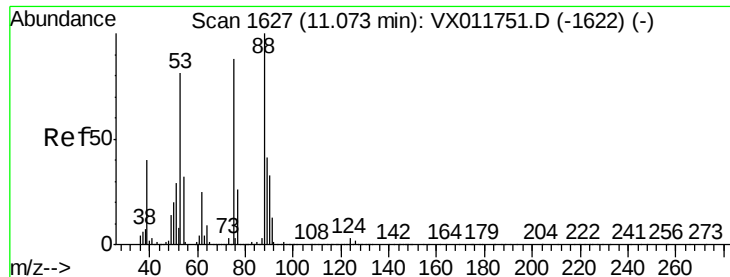
200000

0

11.50 11.51 11.52 11.53 11.54 11.55 11.56 11.57 11.58 11.59 11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 50.983 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX011785.D

Acq: 23 Aug 2019 09:43

Instrument :

MSVOA_X

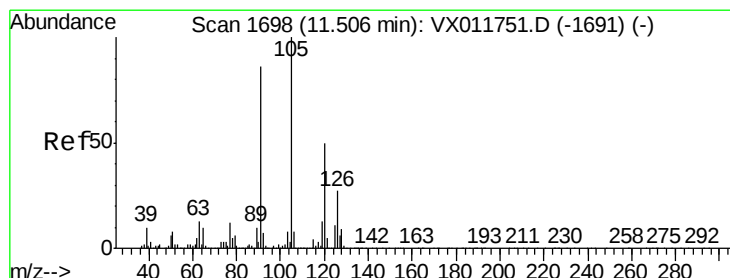
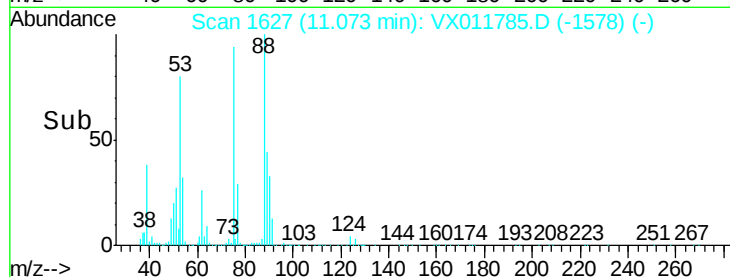
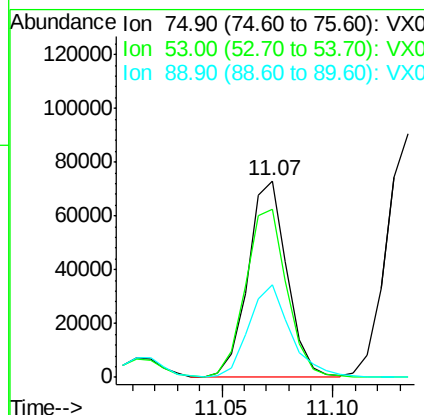
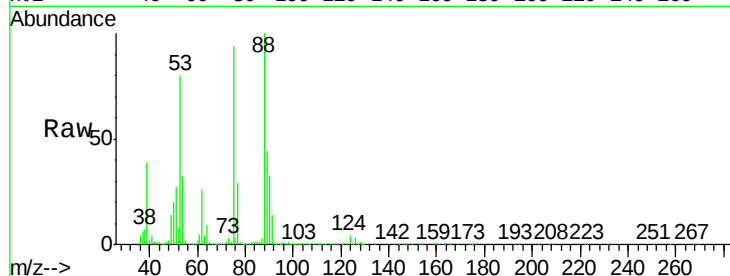
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	88367
Ion	Ratio	Lower	Upper
75	100		
53	90.7	77.1	115.7
89	51.1	38.5	57.7

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#82

4-Chlorotoluene

Concen: 50.610 ug/l

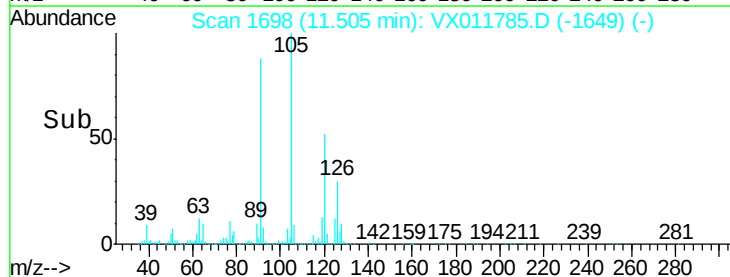
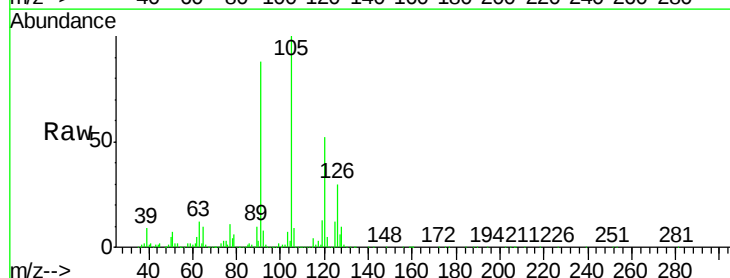
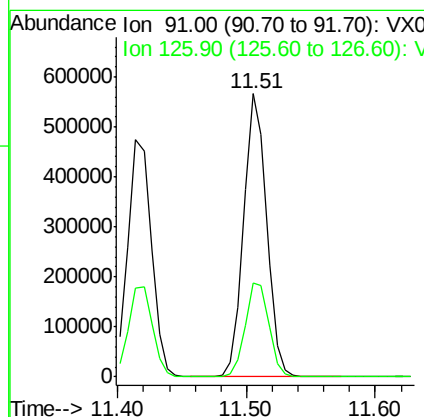
RT: 11.51 min Scan# 1698

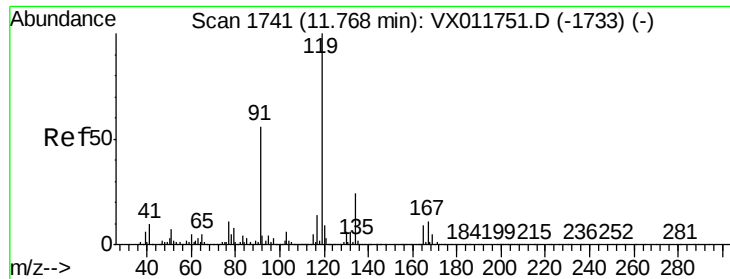
Delta R.T. -0.00 min

Lab File: VX011785.D

Acq: 23 Aug 2019 09:43

Tgt Ion:	91	Resp:	696696
Ion	Ratio	Lower	Upper
91	100		
126	34.3	16.2	48.6





#83

tert-Butylbenzene

Concen: 53.567 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX011785.D

Acq: 23 Aug 2019 09:43

Instrument :

MSVOA_X

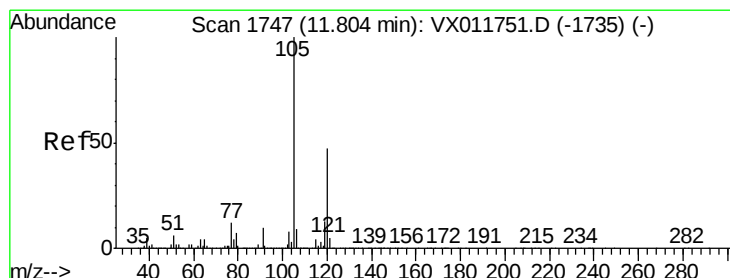
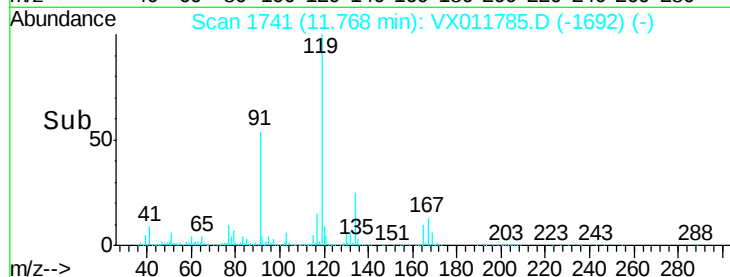
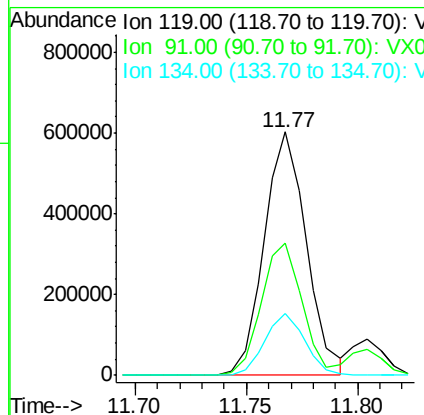
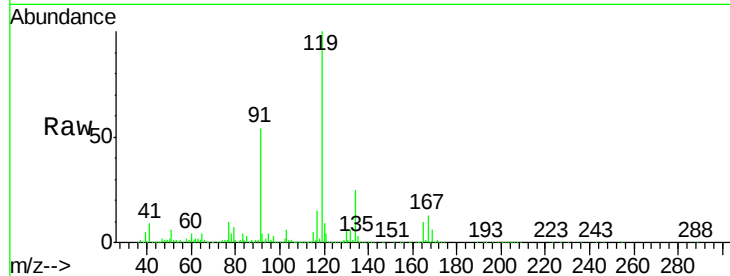
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	791621
Ion Ratio	Lower	Upper	
119	100		
91	52.2	27.7	83.1
134	24.3	11.8	35.3

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#84

1,2,4-Trimethylbenzene

Concen: 52.913 ug/l

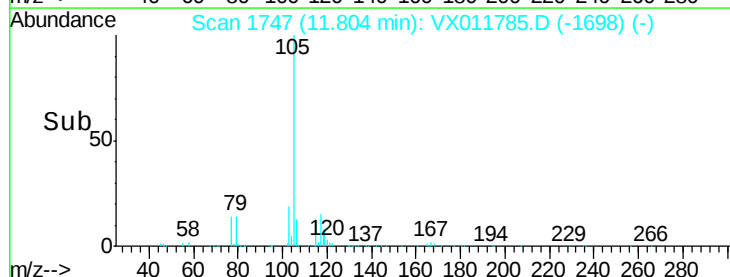
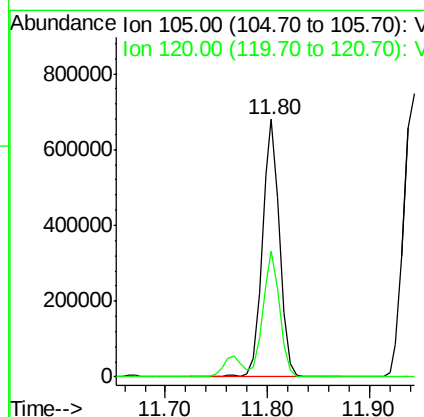
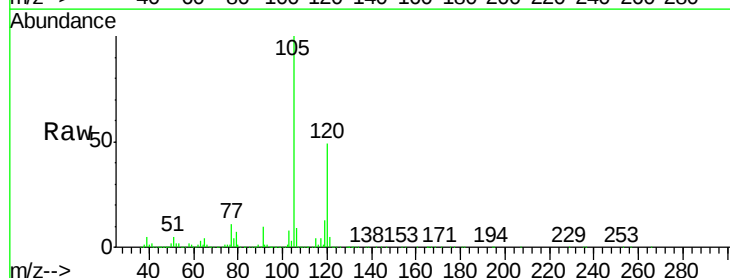
RT: 11.80 min Scan# 1747

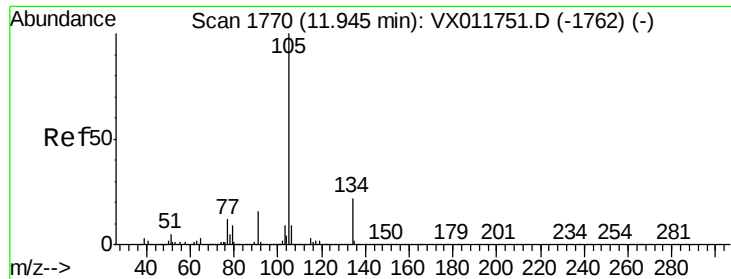
Delta R.T. -0.00 min

Lab File: VX011785.D

Acq: 23 Aug 2019 09:43

Tgt Ion:	105	Resp:	800359
Ion Ratio	Lower	Upper	
105	100		
120	47.7	23.7	71.1





#85

sec-Butylbenzene

Concen: 53.652 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX011785.D

Acq: 23 Aug 2019 09:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 906976

Ion Ratio Lower Upper

105 100

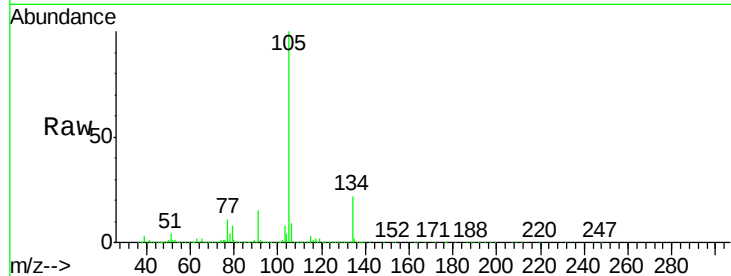
134 22.2 10.8 32.3

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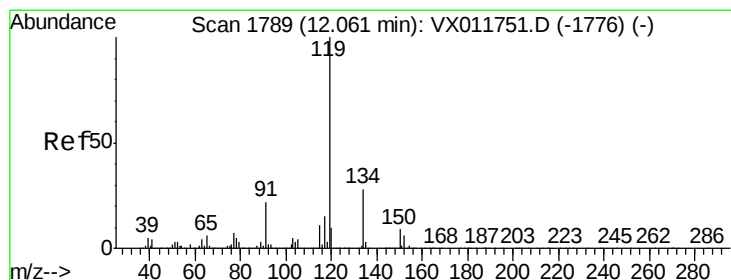
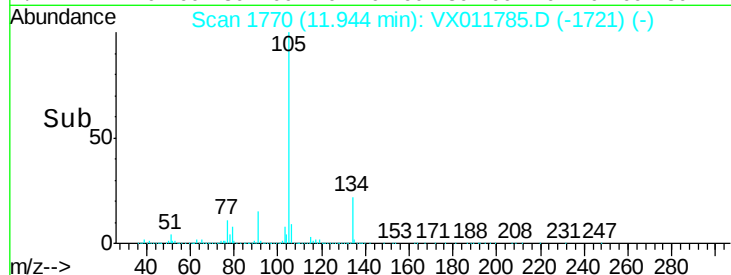
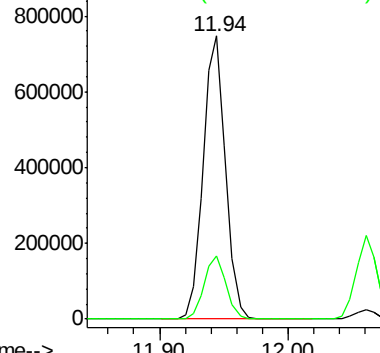
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 55.040 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX011785.D

Acq: 23 Aug 2019 09:43

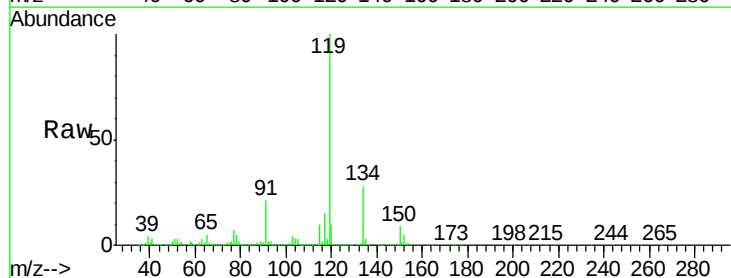
Tgt Ion:119 Resp: 895210

Ion Ratio Lower Upper

119 100

134 27.7 13.7 41.0

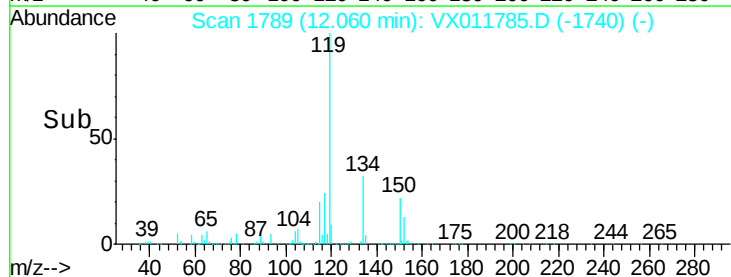
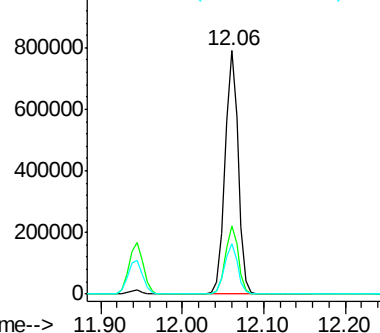
91 20.6 11.1 33.3

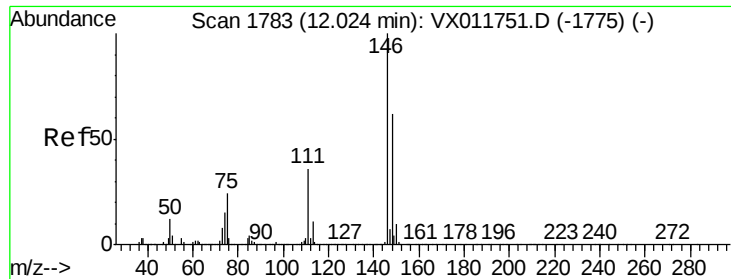


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





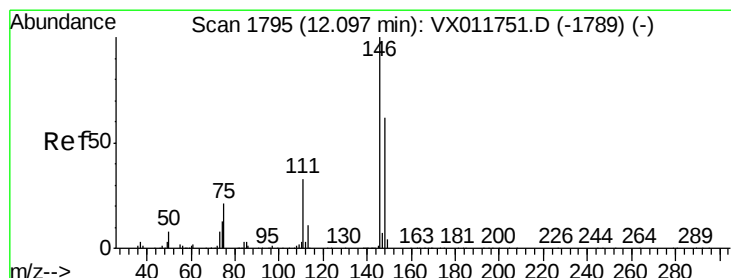
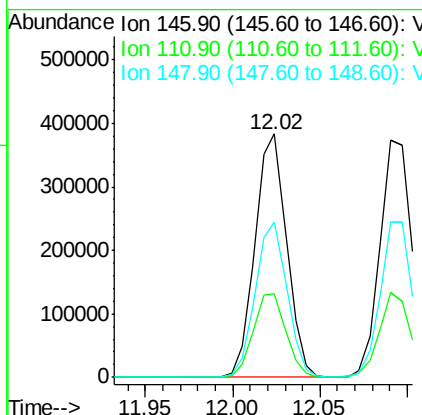
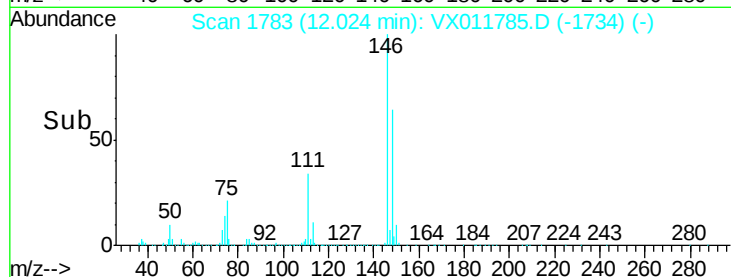
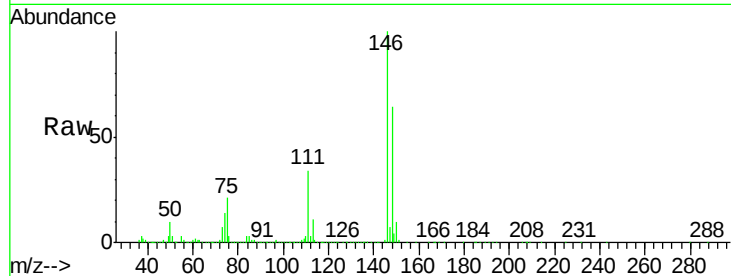
#87
 1,3-Dichlorobenzene
 Concen: 53.074 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX011785.D
 Acq: 23 Aug 2019 09:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.5	18.1	54.4
148	64.0	31.6	94.7

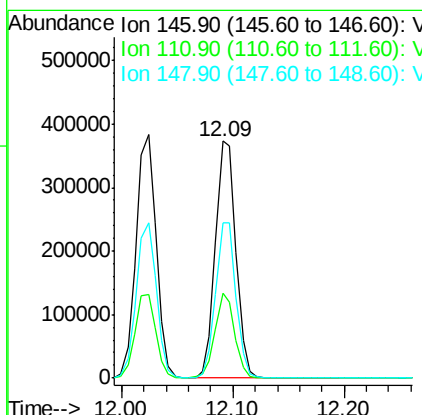
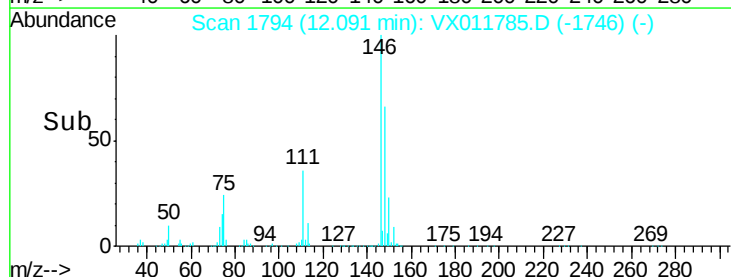
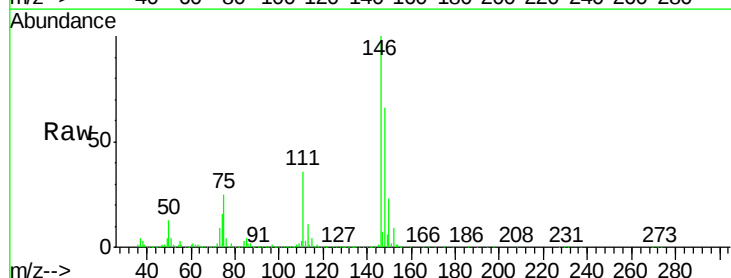
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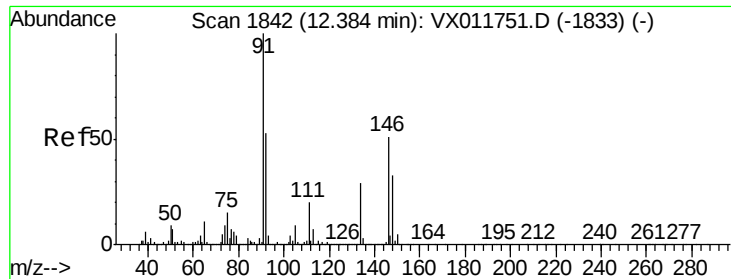
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 8/26/2019 11:40:50 AM



#88
 1,4-Dichlorobenzene
 Concen: 51.799 ug/l
 RT: 12.09 min Scan# 1794
 Delta R.T. -0.01 min
 Lab File: VX011785.D
 Acq: 23 Aug 2019 09:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.4	17.8	53.4
148	65.0	31.9	95.7





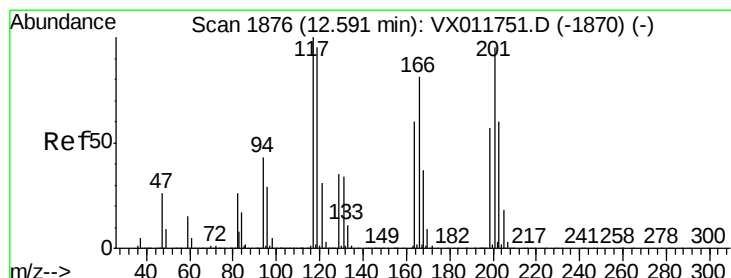
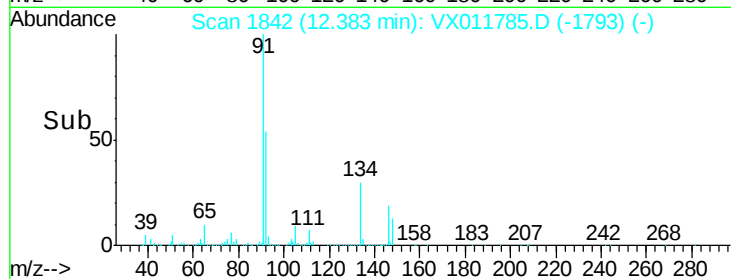
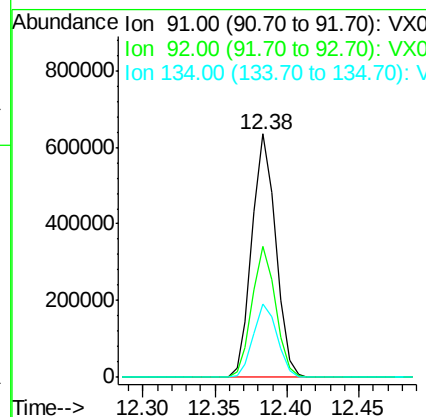
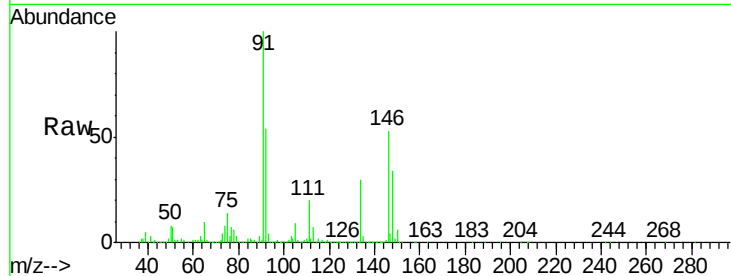
#89
n-Butylbenzene
Concen: 53.684 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX011785.D
Acq: 23 Aug 2019 09:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.7	80.0
134	30.1	14.6	43.8

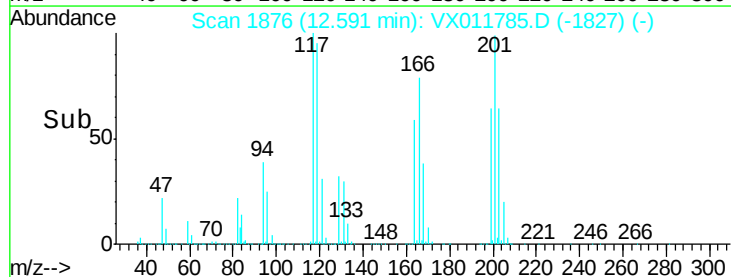
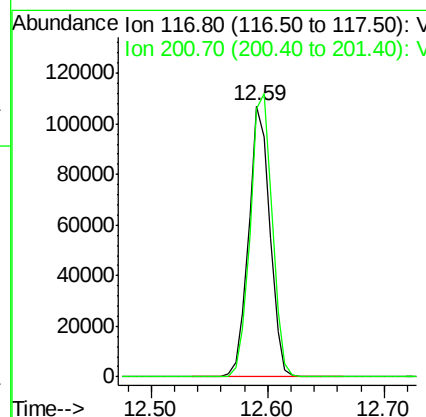
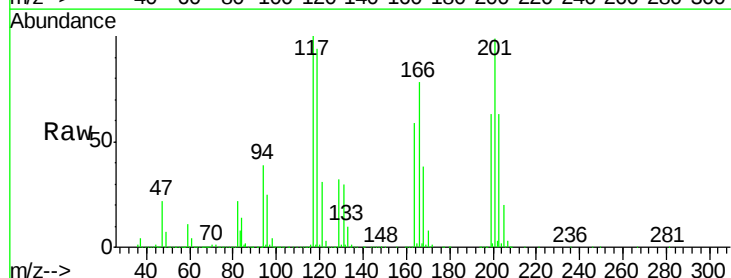
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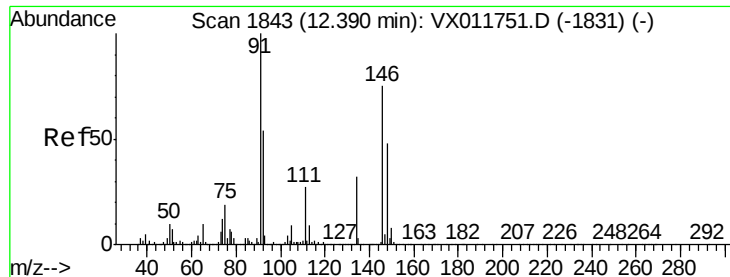
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#90
Hexachloroethane
Concen: 54.189 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.00 min
Lab File: VX011785.D
Acq: 23 Aug 2019 09:43

Tgt Ion	Ratio	Lower	Upper
117	100		
201	107.7	49.6	149.0





#91

1,2-Dichlorobenzene

Concen: 51.313 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX011785.D

Acq: 23 Aug 2019 09:43

Instrument :

MSVOA_X

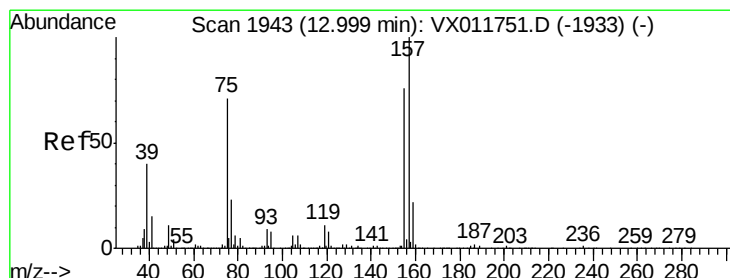
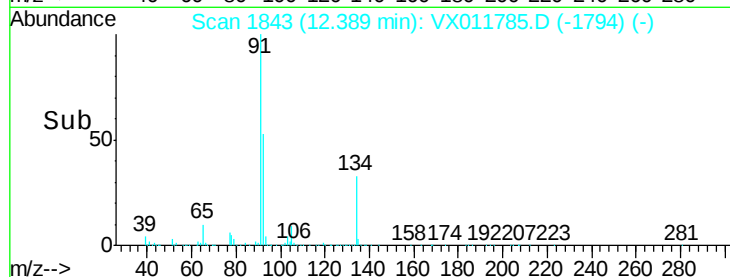
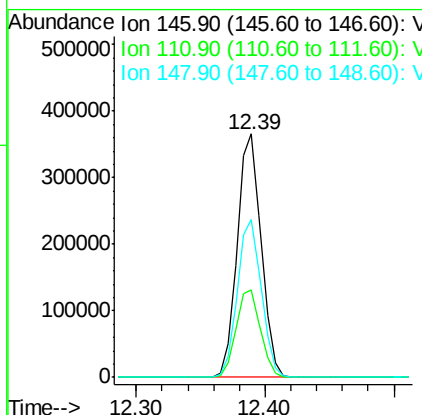
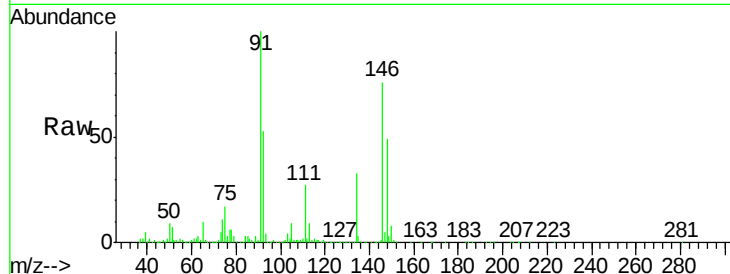
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	471685
Ion Ratio	Lower	Upper	
146	100		
111	36.7	18.8	56.4
148	64.7	31.6	95.0

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#92

1,2-Dibromo-3-Chloropropane

Concen: 49.122 ug/l

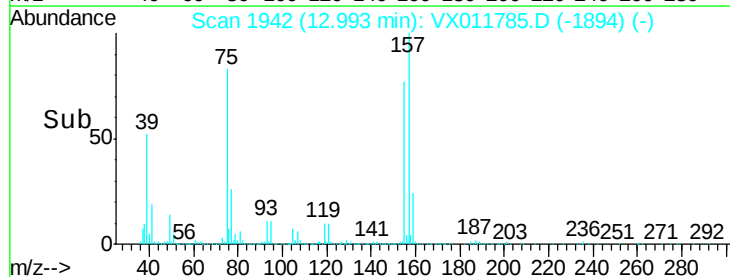
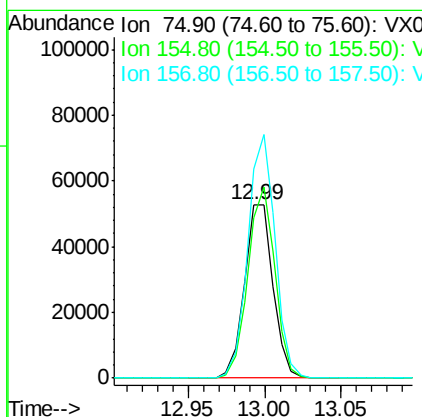
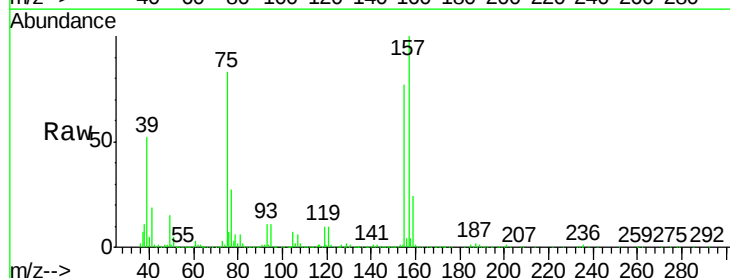
RT: 12.99 min Scan# 1942

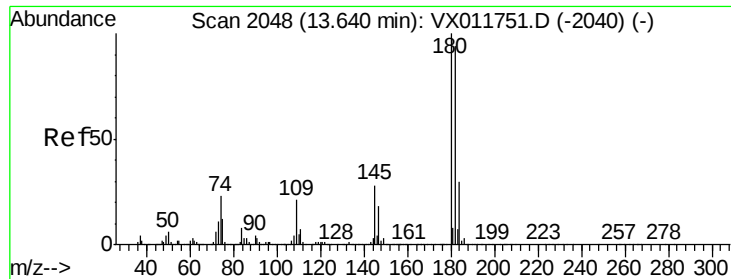
Delta R.T. -0.01 min

Lab File: VX011785.D

Acq: 23 Aug 2019 09:43

Tgt Ion:	75	Resp:	67850
Ion Ratio	Lower	Upper	
75	100		
155	104.7	52.6	157.9
157	134.3	68.3	204.9





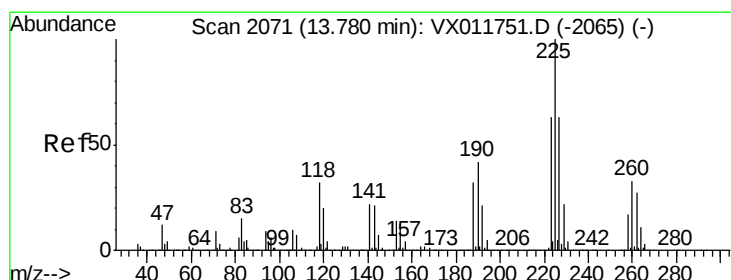
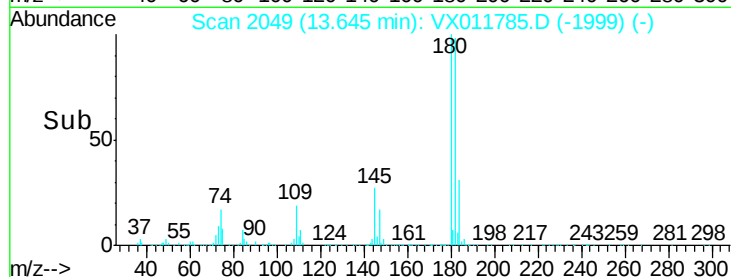
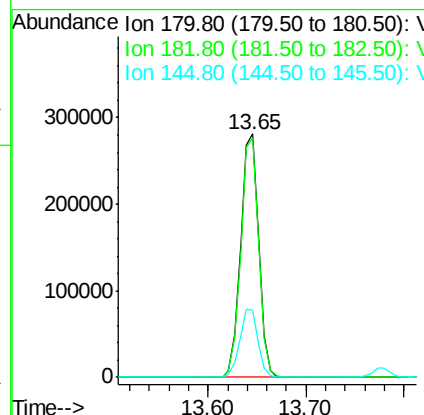
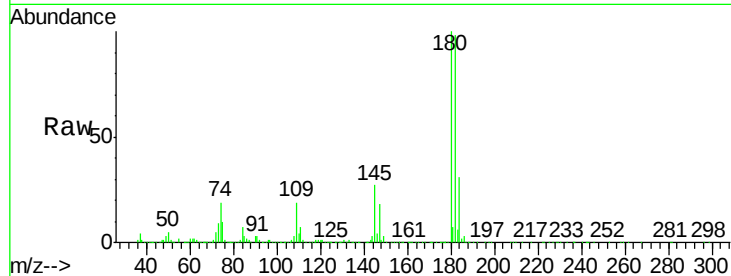
#93
 1,2,4-Trichlorobenzene
 Concen: 52.820 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.01 min
 Lab File: VX011785.D
 Acq: 23 Aug 2019 09:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	357149		
182	97.2	47.8	143.4	
145	28.2	14.1	42.3	

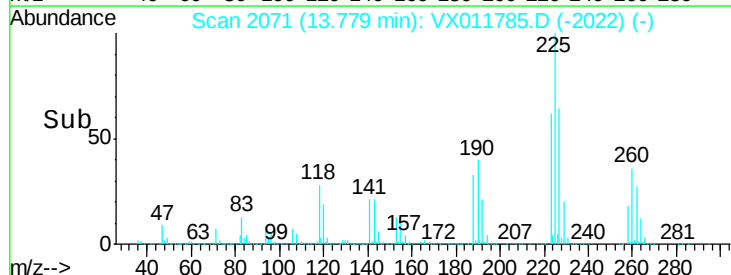
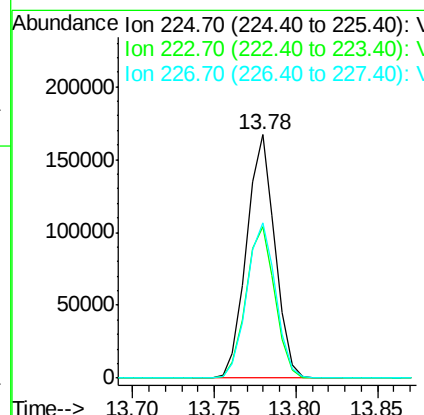
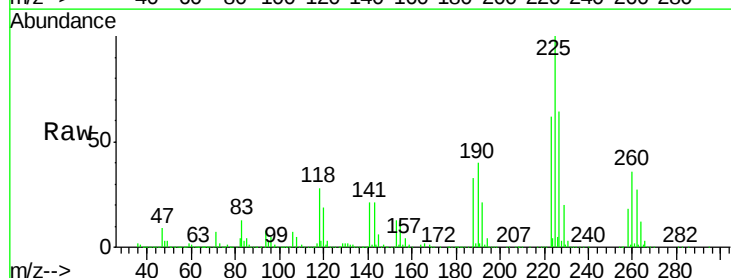
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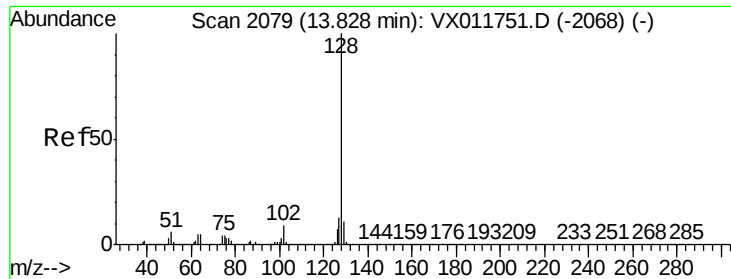
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#94
 Hexachlorobutadiene
 Concen: 54.506 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX011785.D
 Acq: 23 Aug 2019 09:43

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	201952		
223	63.4	31.0	93.0	
227	65.2	31.8	95.3	





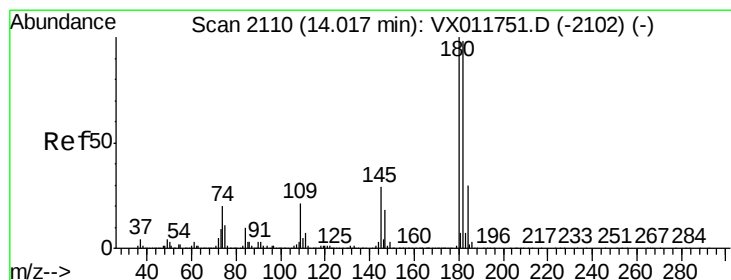
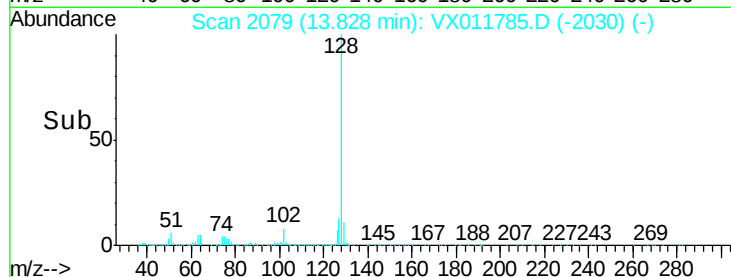
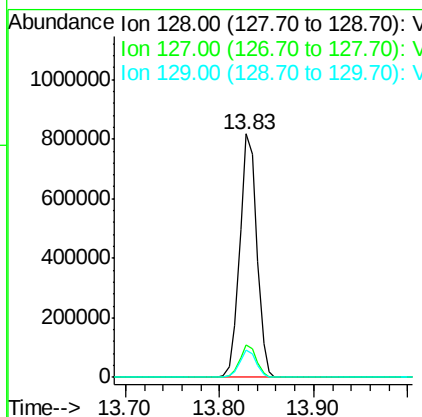
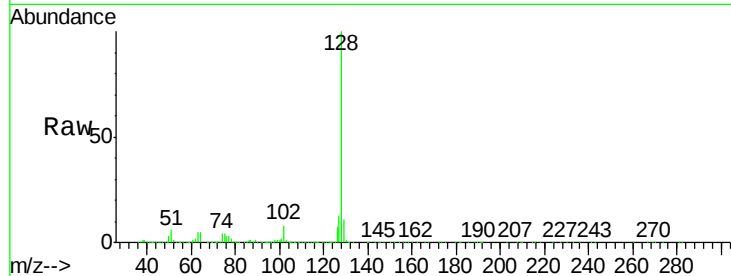
#95
Naphthalene
Concen: 55.087 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. -0.00 min
Lab File: VX011785.D
Acq: 23 Aug 2019 09:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	11.0	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 54.855 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX011785.D
Acq: 23 Aug 2019 09:43

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	48.5	145.5
145	28.7	14.6	43.8

