

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111319\
 Data File : VX013398.D
 Acq On : 13 Nov 2019 10:43
 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
 11/14/2019 9:37:03 AM

Quant Time: Nov 14 04:40:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 07:06:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	668628	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1010957	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	923971	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	471481	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	379465	47.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.80%	
35) Dibromofluoromethane	5.48	113	314332	49.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.14%	
50) Toluene-d8	8.71	98	1172030	49.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.06%	
62) 4-Bromofluorobenzene	11.13	95	430728	49.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	362533	47.058	ug/l	100
3) Chloromethane	1.31	50	394827	47.260	ug/l	98
4) Vinyl Chloride	1.40	62	450581	47.374	ug/l	100
5) Bromomethane	1.62	94	287203	43.331	ug/l	96
6) Chloroethane	1.71	64	253048	46.458	ug/l	97
7) Trichlorofluoromethane	1.92	101	498420	44.355	ug/l	98
8) Diethyl Ether	2.17	74	241956	48.692	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	319161	50.959	ug/l	97
10) Methyl Iodide	2.50	142	404001	52.101	ug/l	97
11) Tert butyl alcohol	3.03	59	443066	212.216	ug/l	99
12) 1,1-Dichloroethene	2.36	96	307004	50.056	ug/l	100
13) Acrolein	2.28	56	283804	250.813	ug/l	99
14) Allyl chloride	2.72	41	583967	52.403	ug/l	95
15) Acrylonitrile	3.12	53	995147	255.170	ug/l	99
16) Acetone	2.42	43	913147	231.117	ug/l	100
17) Carbon Disulfide	2.56	76	791230	48.199	ug/l	99
18) Methyl Acetate	2.76	43	565372	51.831	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	1116177	54.564	ug/l	97
20) Methylene Chloride	2.84	84	368184	50.436	ug/l	99
21) trans-1,2-Dichloroethene	3.15	96	332436	49.781	ug/l	99
22) Diisopropyl ether	3.84	45	1192528	55.429	ug/l	98
23) Vinyl Acetate	3.80	43	4950071	268.882	ug/l	100
24) 1,1-Dichloroethane	3.68	63	625524	51.974	ug/l	100
25) 2-Butanone	4.65	43	1428583	246.469	ug/l	99
26) 2,2-Dichloropropane	4.56	77	502385	52.472	ug/l	98
27) cis-1,2-Dichloroethene	4.58	96	395378	52.853	ug/l	100
28) Bromochloromethane	5.00	49	179439	52.510	ug/l	99
29) Tetrahydrofuran	5.11	42	899122	251.724	ug/l	99
30) Chloroform	5.19	83	618499	52.044	ug/l	97
31) Cyclohexane	5.56	56	538292	49.705	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	513471	50.205	ug/l	99
36) 1,1-Dichloropropene	5.79	75	453655	52.308	ug/l	100
37) Ethyl Acetate	4.81	43	542218	50.596	ug/l	100
38) Carbon Tetrachloride	5.77	117	433118	51.070	ug/l	95

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 11/14/2019 9:37:03 AM

Quant Time: Nov 14 04:40:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 07:06:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	560561	51.873	ug/l	99
40) Benzene	6.12	78	1421054	52.601	ug/l	99
41) Methacrylonitrile	5.02	41	312141	51.966	ug/l	99
42) 1,2-Dichloroethane	6.18	62	513908	52.738	ug/l	98
43) Isopropyl Acetate	6.42	43	893544	53.545	ug/l	99
44) Trichloroethene	7.20	130	379424	51.023	ug/l	98
45) 1,2-Dichloropropane	7.50	63	378672	55.012	ug/l	100
46) Dibromomethane	7.65	93	250040	53.202	ug/l	98
47) Bromodichloromethane	7.89	83	492510	55.573	ug/l	95
48) Methyl methacrylate	7.76	41	446257	53.572	ug/l	97
49) 1,4-Dioxane	7.73	88	185048	970.012	ug/l	99
51) 4-Methyl-2-Pentanone	8.63	43	2779533	253.872	ug/l	99
52) Toluene	8.78	92	890963	53.211	ug/l	99
53) t-1,3-Dichloropropene	9.03	75	562112	58.003	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	615143	56.745	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	380426	54.815	ug/l	99
56) Ethyl methacrylate	9.17	69	618278	52.114	ug/l	96
57) 1,3-Dichloropropane	9.36	76	633336	53.758	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	1234309	260.109	ug/l	100
59) 2-Hexanone	9.48	43	2154840	254.685	ug/l	99
60) Dibromochloromethane	9.57	129	401802	56.608	ug/l	99
61) 1,2-Dibromoethane	9.67	107	395009	53.600	ug/l	100
64) Tetrachloroethene	9.33	164	334836	50.622	ug/l	99
65) Chlorobenzene	10.13	112	969548	51.830	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.21	131	372474	54.230	ug/l	99
67) Ethyl Benzene	10.25	91	1698553	52.611	ug/l	99
68) m/p-Xylenes	10.35	106	1307336	107.072	ug/l	99
69) o-Xylene	10.69	106	640432	53.575	ug/l	98
70) Styrene	10.71	104	1104993	55.299	ug/l	99
71) Bromoform	10.85	173	317819	49.912	ug/l	99
73) Isopropylbenzene	11.01	105	1666428	53.309	ug/l	100
74) N-amyl acetate	10.89	43	797733	55.031	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	597776	52.418	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	484292m	50.571	ug/l	
77) Bromobenzene	11.25	156	451977	54.236	ug/l	97
78) n-propylbenzene	11.35	91	1907665	54.784	ug/l	99
79) 2-Chlorotoluene	11.42	91	1112873	53.044	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	1418828	54.491	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	204095	54.857	ug/l	97
82) 4-Chlorotoluene	11.51	91	1310159	53.347	ug/l	100
83) tert-Butylbenzene	11.76	119	1447243	55.216	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	1441304	55.181	ug/l	100
85) sec-Butylbenzene	11.94	105	1626360	53.989	ug/l	100
86) p-Isopropyltoluene	12.06	119	1526041	55.015	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	795998	53.586	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	797571	52.699	ug/l	99
89) n-Butylbenzene	12.39	91	1321447	54.596	ug/l	100
90) Hexachloroethane	12.59	117	274150	55.471	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	797257	53.692	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	127528	45.900	ug/l	99

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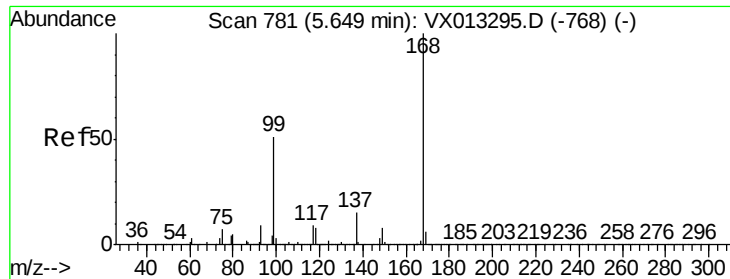
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Sat Nov 02 07:06:38 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	553344	53.424	ug/l	99
94) Hexachlorobutadiene	13.77	225	259041	51.120	ug/l	99
95) Naphthalene	13.83	128	1709952	52.619	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	557358	53.658	ug/l	99

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



#1

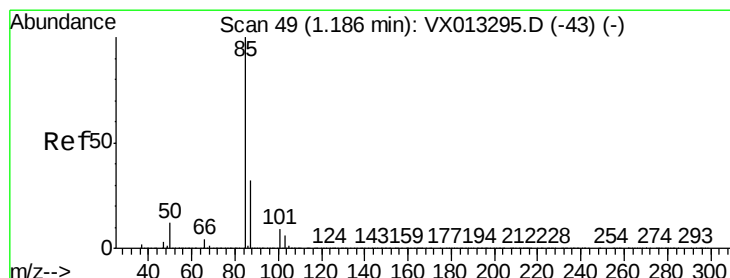
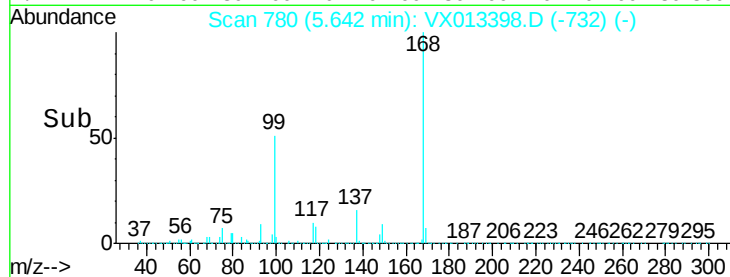
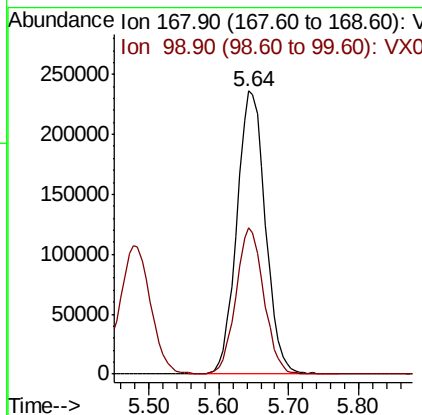
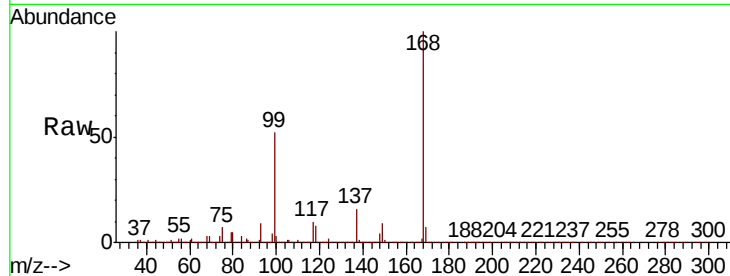
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.01 min
 Lab File: VX013398.D
 Acq: 13 Nov 2019 10:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
168	100		
99	51.3	40.8	61.2

Manual Integrations
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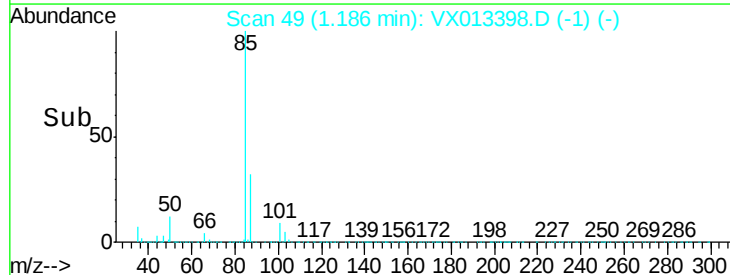
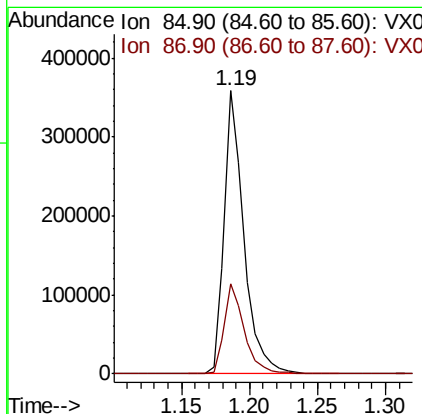
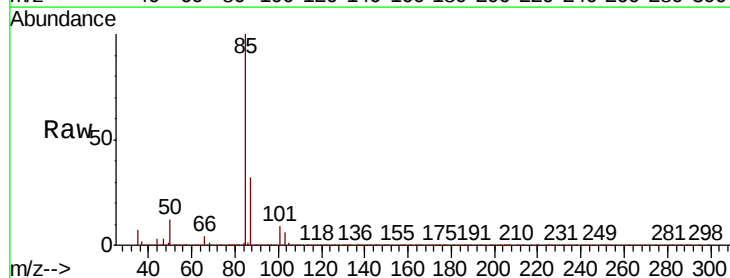
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#2

Dichlorodifluoromethane
 Concen: 47.058 ug/l
 RT: 1.19 min Scan# 49
 Delta R.T. -0.00 min
 Lab File: VX013398.D
 Acq: 13 Nov 2019 10:43

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.9	15.9	47.6





#3

Chloromethane

Concen: 47.260 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX013398.D

Acq: 13 Nov 2019 10:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 394827

Ion Ratio Lower Upper

50 100

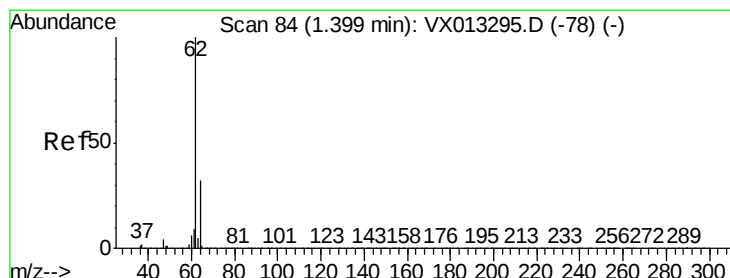
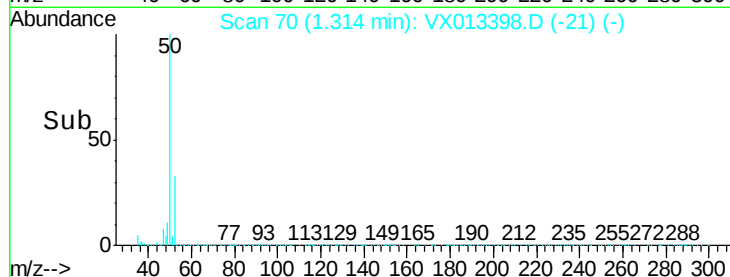
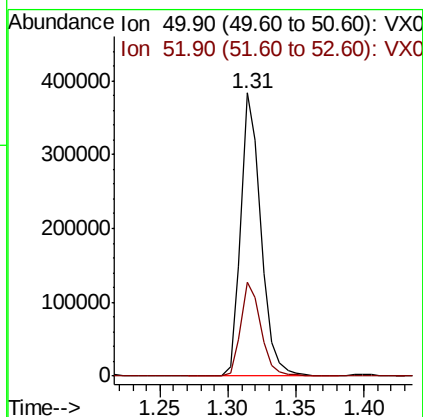
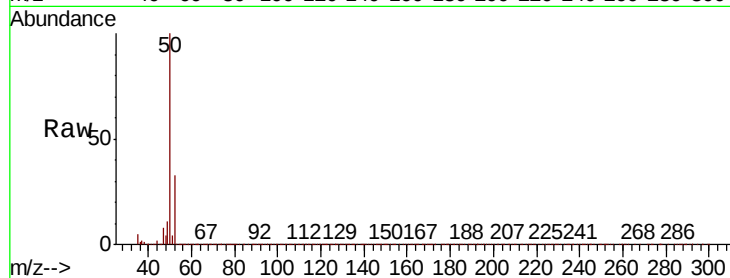
52 33.0 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 47.374 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX013398.D

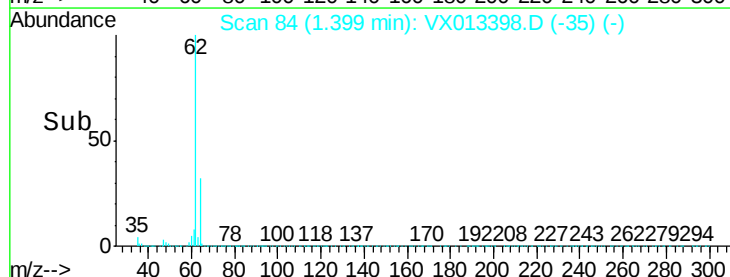
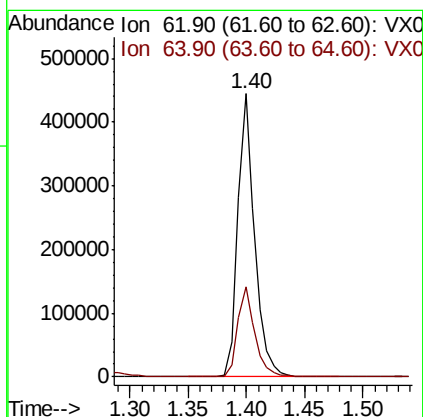
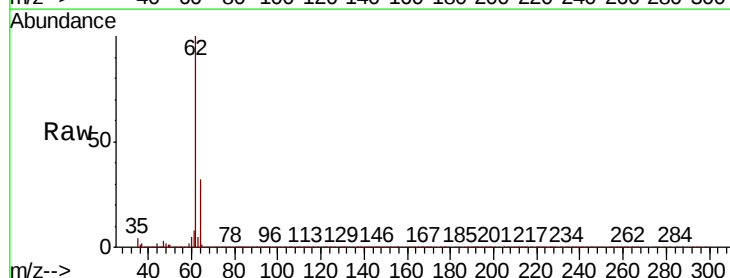
Acq: 13 Nov 2019 10:43

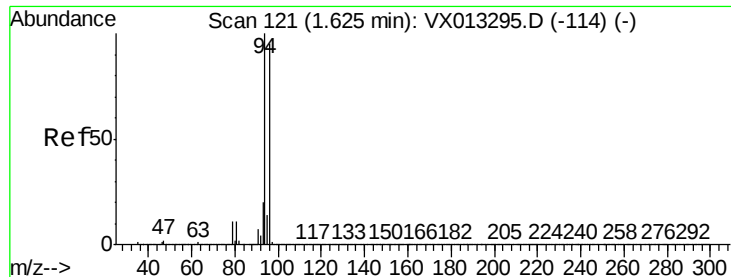
Tgt Ion: 62 Resp: 450581

Ion Ratio Lower Upper

62 100

64 31.7 25.6 38.4





#5

Bromomethane

Concen: 43.331 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX013398.D

Acq: 13 Nov 2019 10:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 287203

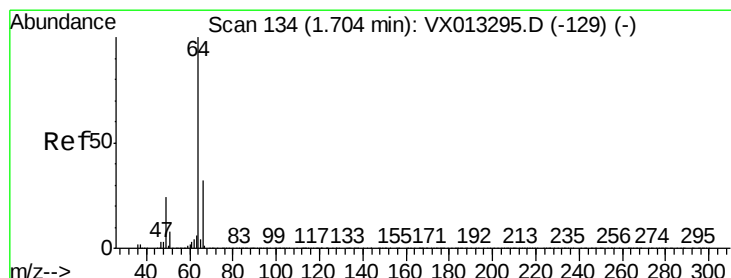
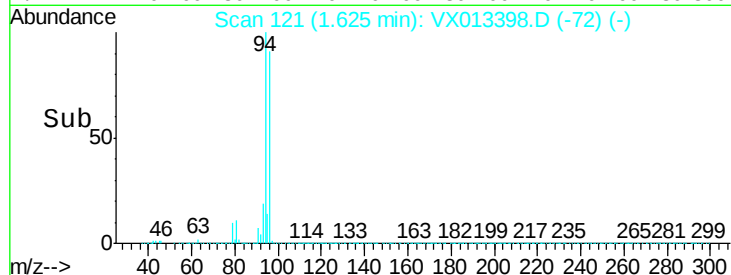
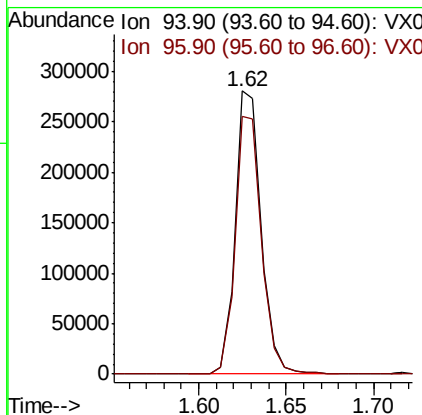
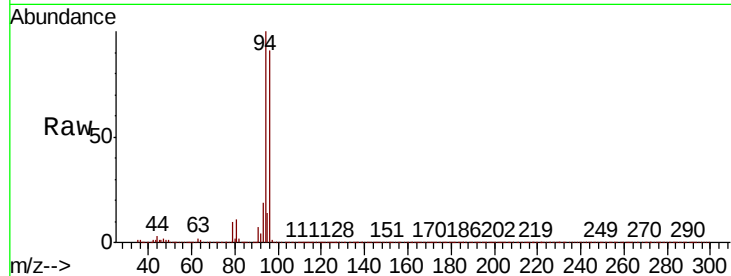
Ion Ratio Lower Upper

94 100

96 91.3 75.8 113.8

Manual Integrations
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#6

Chloroethane

Concen: 46.458 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX013398.D

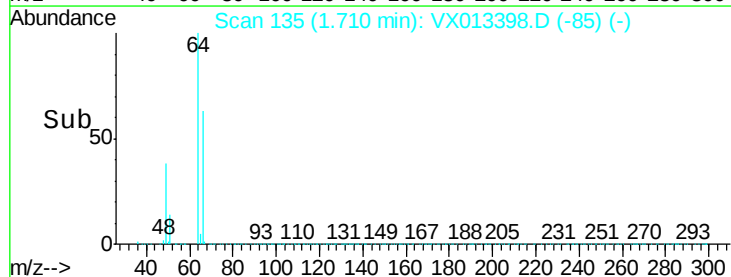
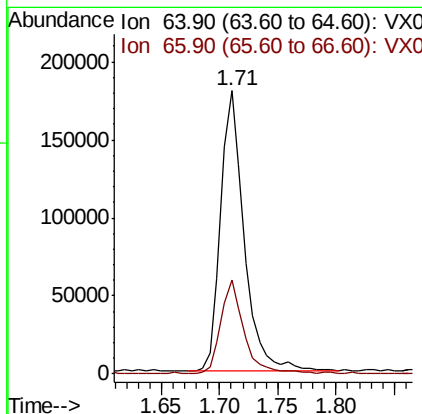
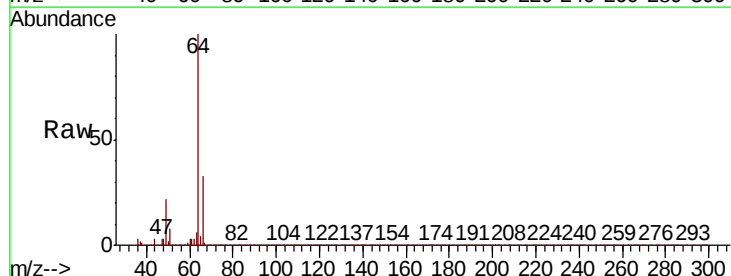
Acq: 13 Nov 2019 10:43

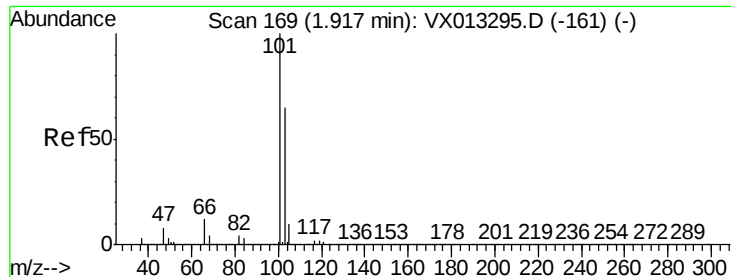
Tgt Ion: 64 Resp: 253048

Ion Ratio Lower Upper

64 100

66 33.4 25.6 38.4





#7

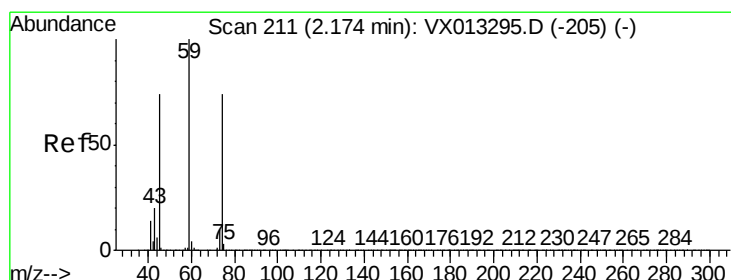
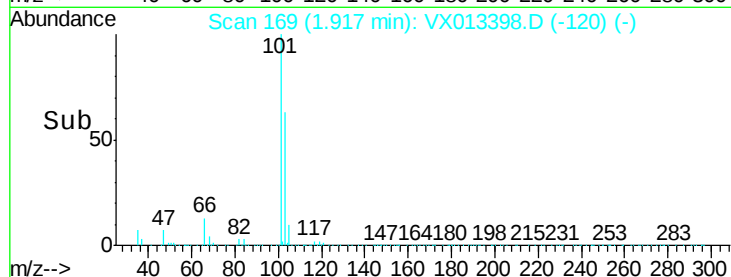
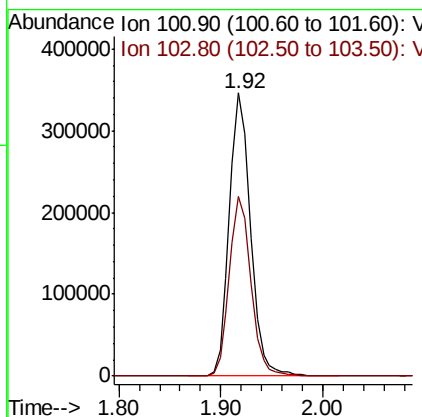
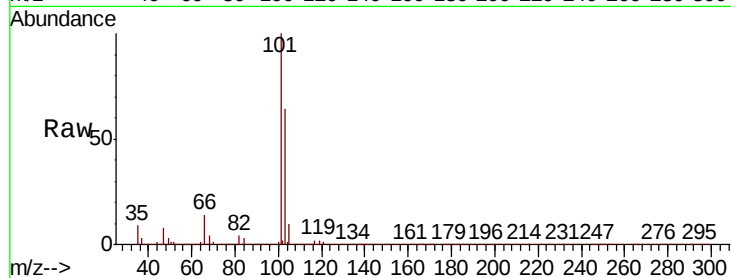
Trichlorofluoromethane
Concen: 44.355 ug/l
RT: 1.92 min Scan# 169
Delta R.T. -0.00 min
Lab File: VX013398.D
Acq: 13 Nov 2019 10:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.5	52.3	78.5

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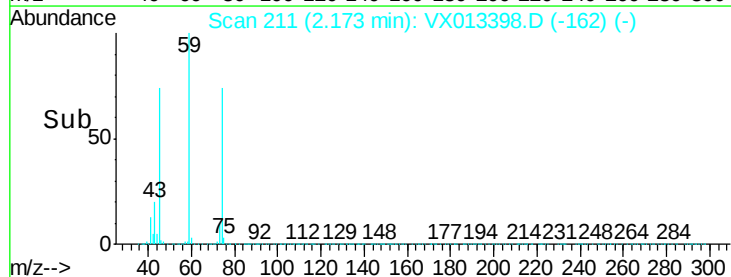
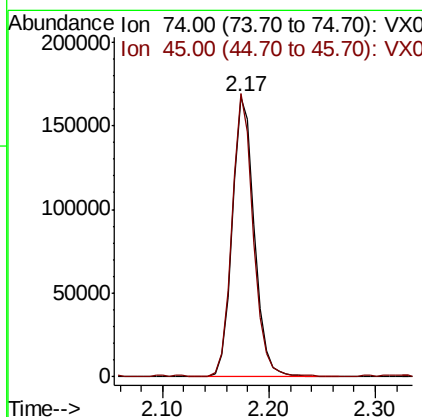
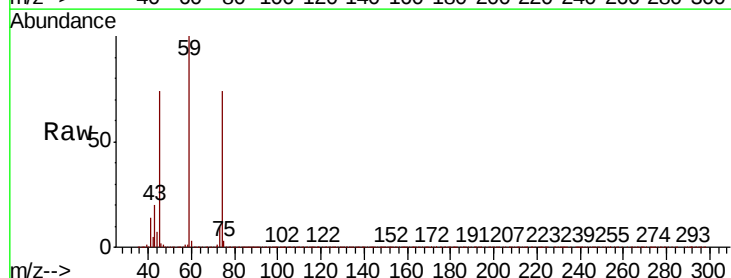
MMDadoda
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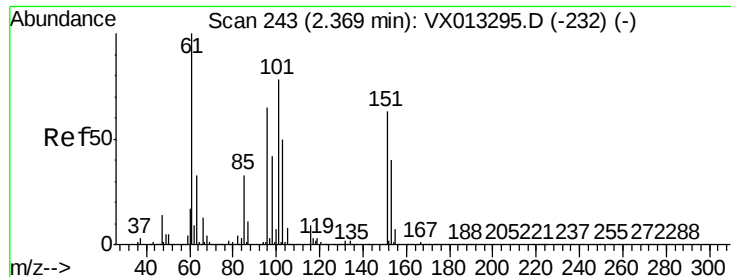


#8

Diethyl Ether
Concen: 48.692 ug/l
RT: 2.17 min Scan# 211
Delta R.T. -0.00 min
Lab File: VX013398.D
Acq: 13 Nov 2019 10:43

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.4	48.5	145.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.959 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX013398.D

Acq: 13 Nov 2019 10:43

Instrument :

MSVOA_X

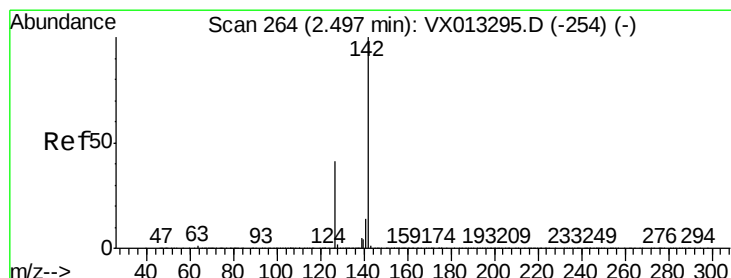
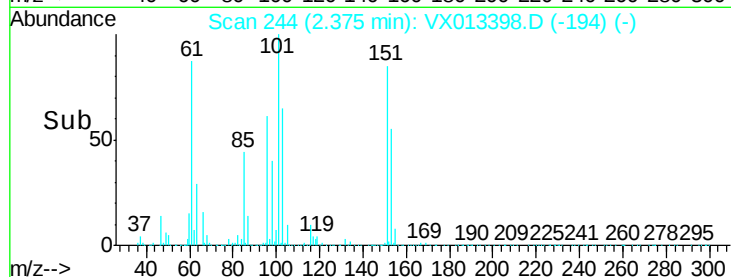
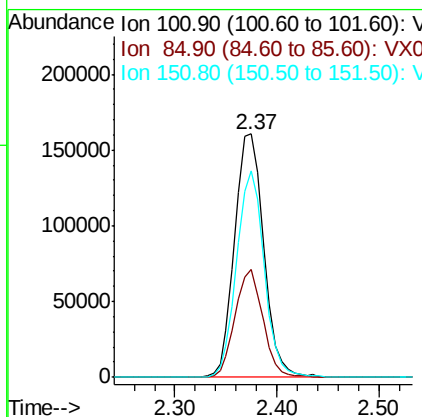
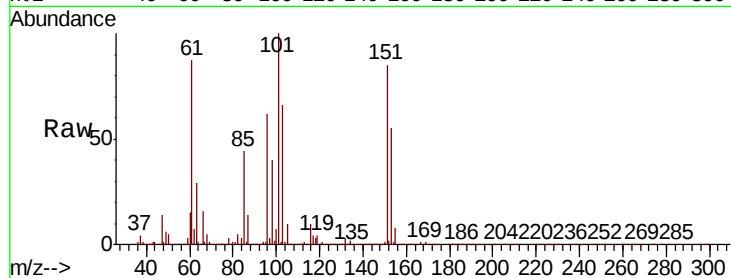
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	319161
Ion Ratio	Lower	Upper	
101	100		
85	42.0	34.4	51.6
151	80.2	66.4	99.6

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#10

Methyl Iodide

Concen: 52.101 ug/l

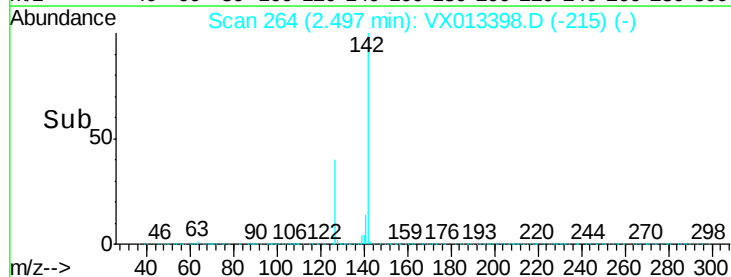
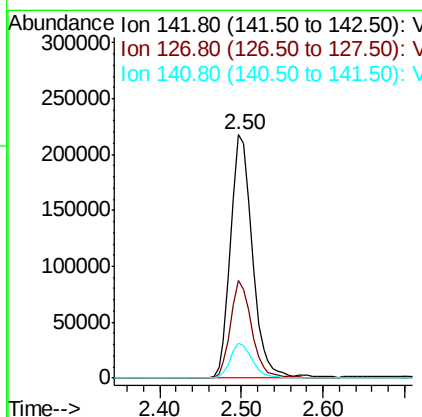
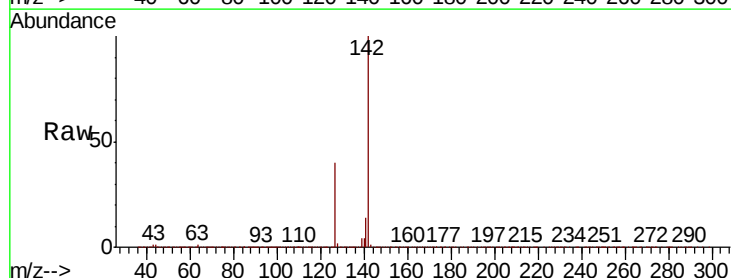
RT: 2.50 min Scan# 264

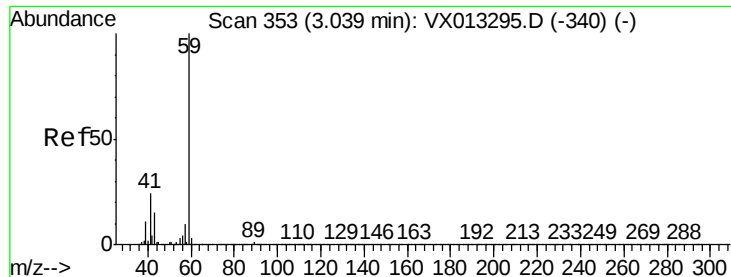
Delta R.T. -0.00 min

Lab File: VX013398.D

Acq: 13 Nov 2019 10:43

Tgt Ion:	142	Resp:	404001
Ion Ratio	Lower	Upper	
142	100		
127	38.1	32.6	49.0
141	14.3	11.6	17.4





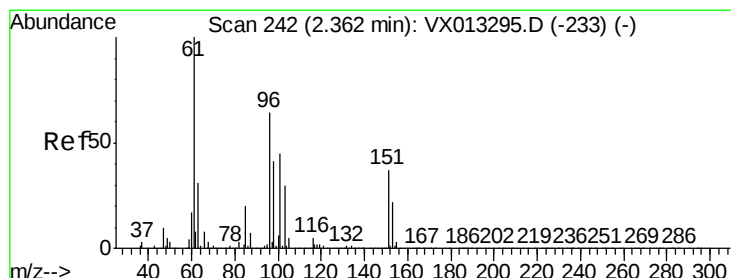
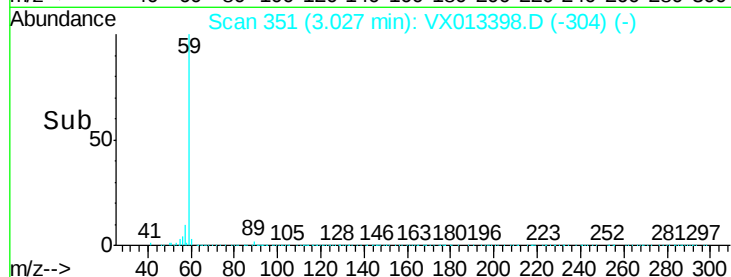
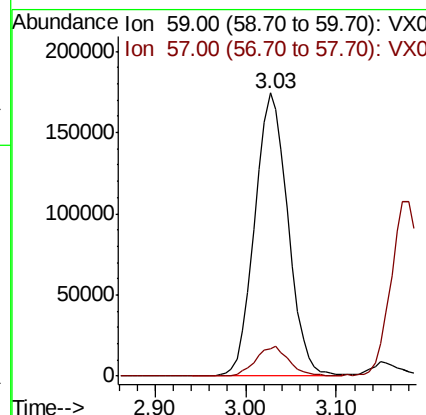
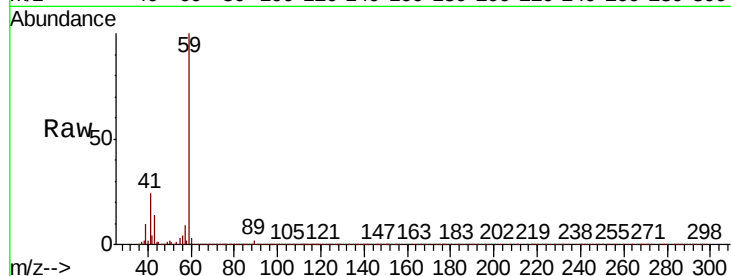
#11
Tert butyl alcohol
Concen: 212.216 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.01 min
Lab File: VX013398.D
Acq: 13 Nov 2019 10:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.0	12.0

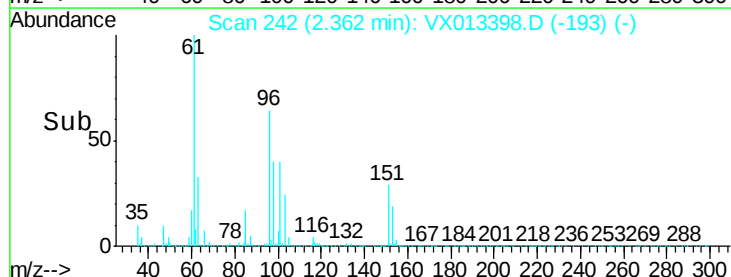
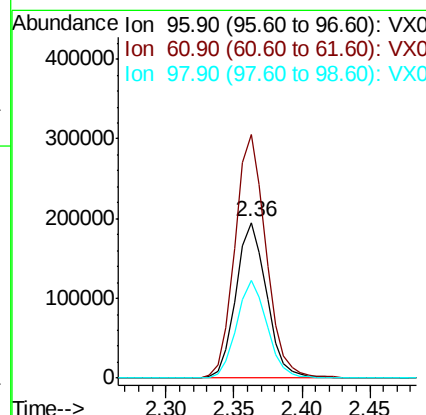
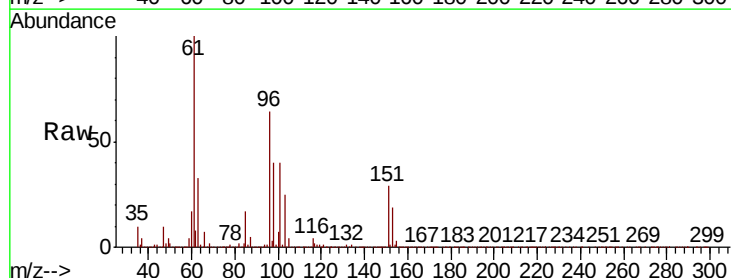
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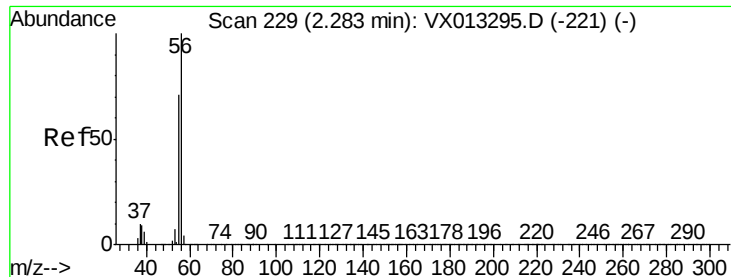
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#12
1,1-Dichloroethene
Concen: 50.056 ug/l
RT: 2.36 min Scan# 242
Delta R.T. -0.00 min
Lab File: VX013398.D
Acq: 13 Nov 2019 10:43

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.6	125.0	187.6
98	63.1	50.7	76.1





#13

Acrolein

Concen: 250.813 ug/l

RT: 2.28 min Scan# 228

Delta R.T. -0.01 min

Lab File: VX013398.D

Acq: 13 Nov 2019 10:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 283804

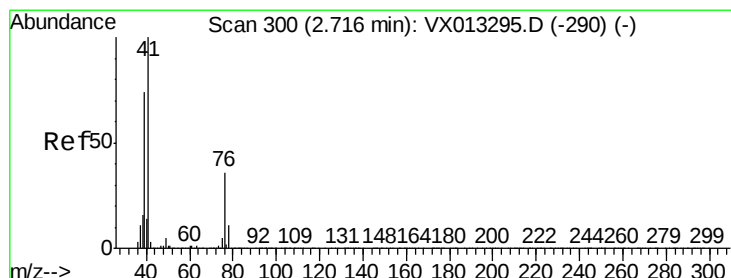
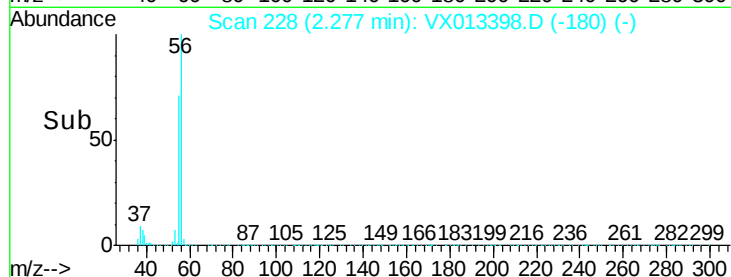
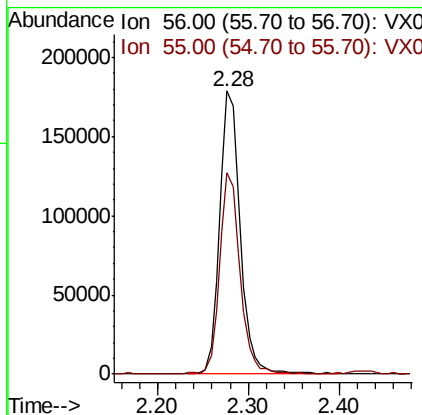
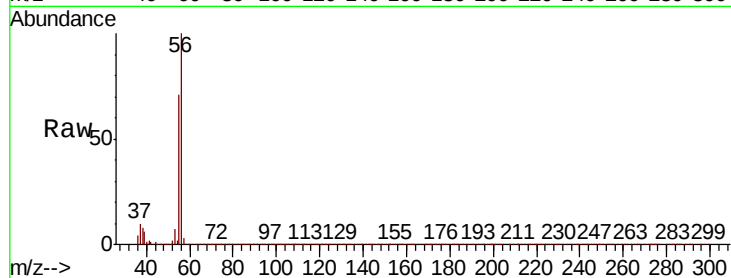
Ion Ratio Lower Upper

56 100

55 70.7 57.4 86.0

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#14

Allyl chloride

Concen: 52.403 ug/l

RT: 2.72 min Scan# 300

Delta R.T. -0.00 min

Lab File: VX013398.D

Acq: 13 Nov 2019 10:43

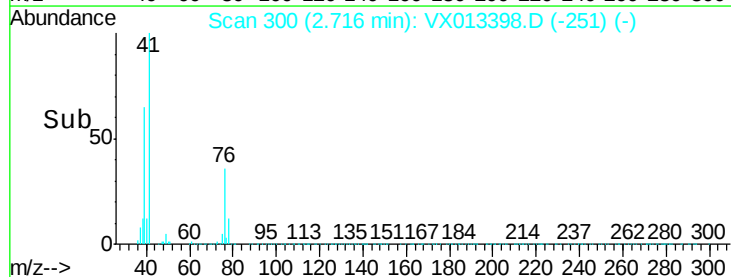
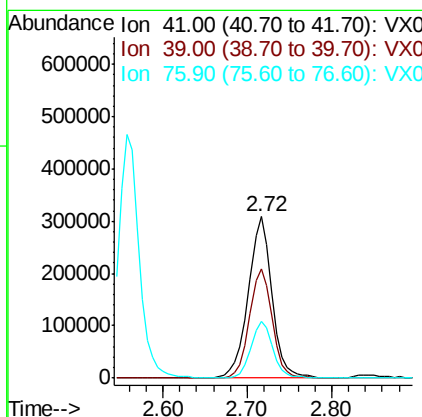
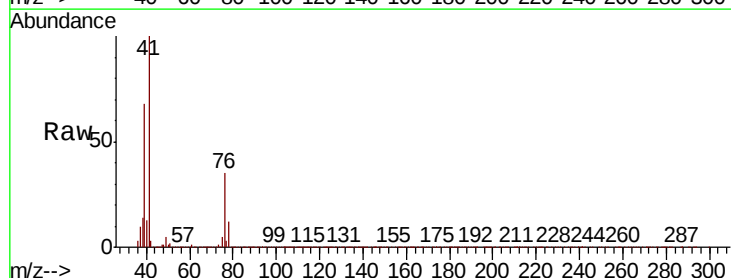
Tgt Ion: 41 Resp: 583967

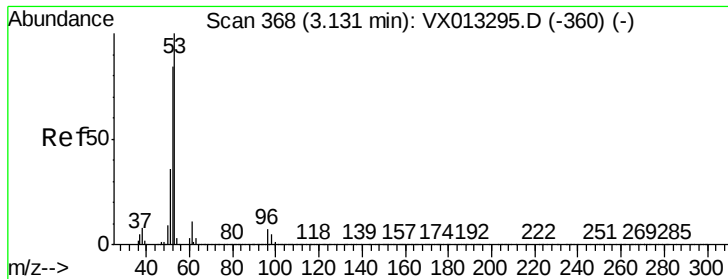
Ion Ratio Lower Upper

41 100

39 64.5 55.8 83.8

76 32.0 26.4 39.6





#15

Acrylonitrile

Concen: 255.170 ug/l

RT: 3.12 min Scan# 367

Delta R.T. -0.01 min

Lab File: VX013398.D

Acq: 13 Nov 2019 10:43

Instrument :

MSVOA_X

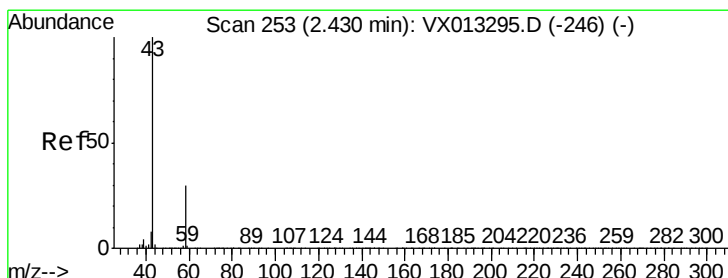
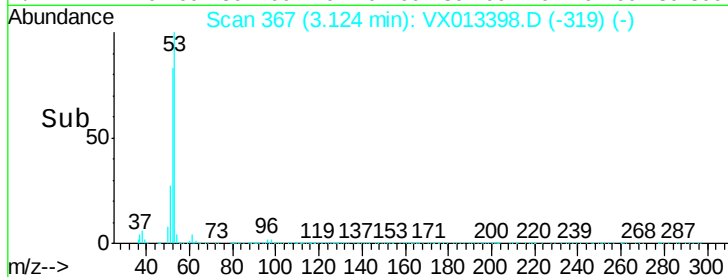
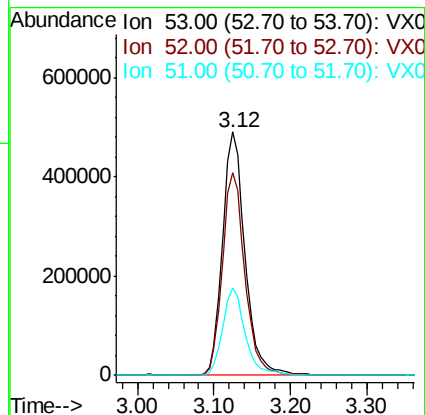
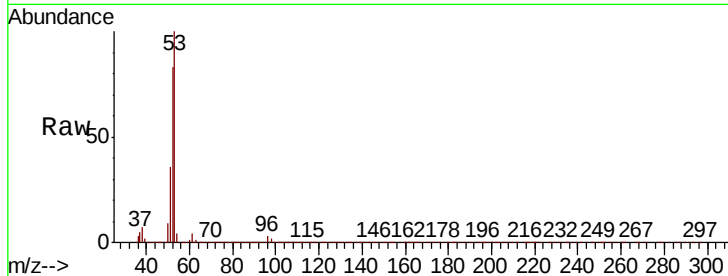
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	995147
Ion Ratio		Lower	Upper
53	100		
52	83.2	67.4	101.0
51	35.9	29.4	44.2

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#16

Acetone

Concen: 231.117 ug/l

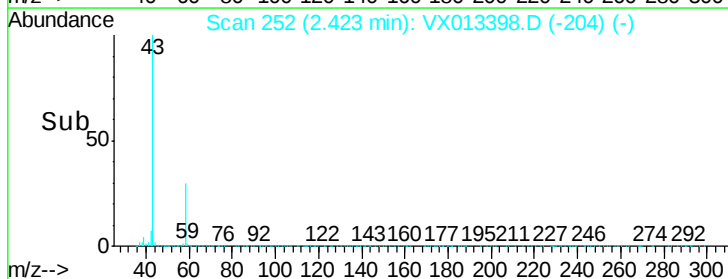
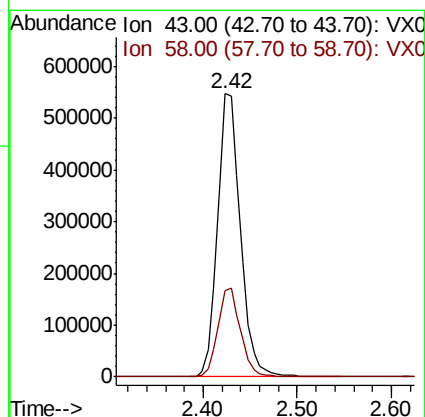
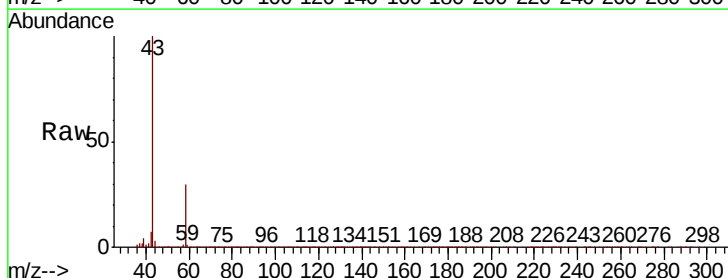
RT: 2.42 min Scan# 252

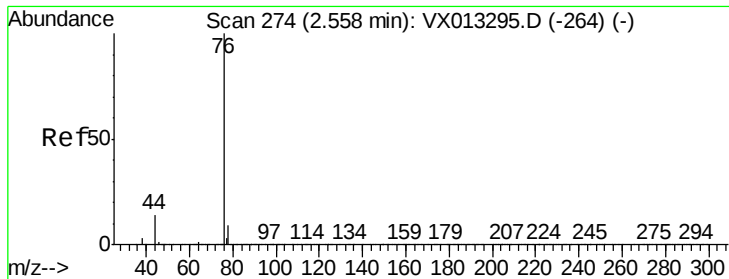
Delta R.T. -0.01 min

Lab File: VX013398.D

Acq: 13 Nov 2019 10:43

Tgt Ion:	43	Resp:	913147
Ion Ratio		Lower	Upper
43	100		
58	30.5	24.3	36.5





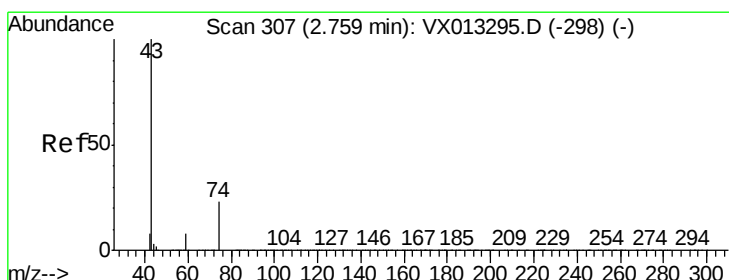
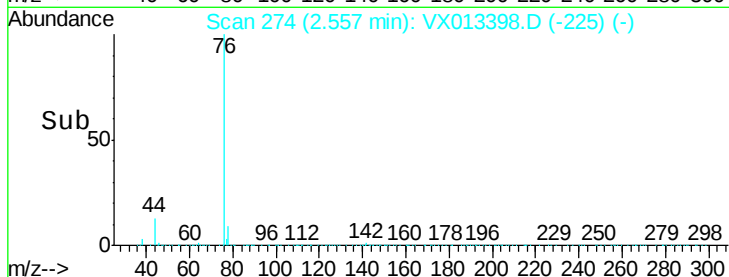
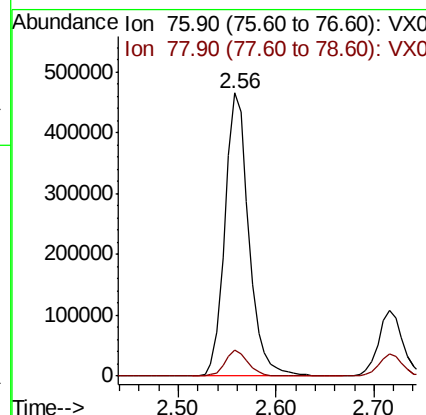
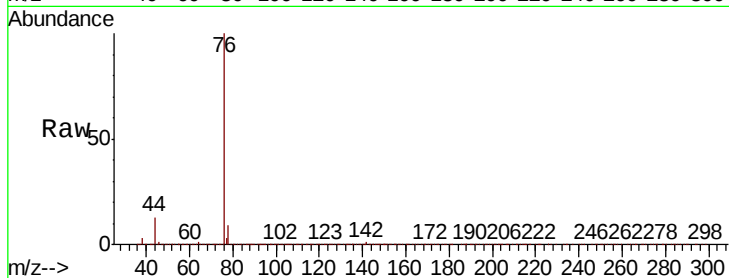
#17
Carbon Disulfide
Concen: 48.199 ug/l
RT: 2.56 min Scan# 274
Delta R.T. -0.00 min
Lab File: VX013398.D
Acq: 13 Nov 2019 10:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.0	10.6

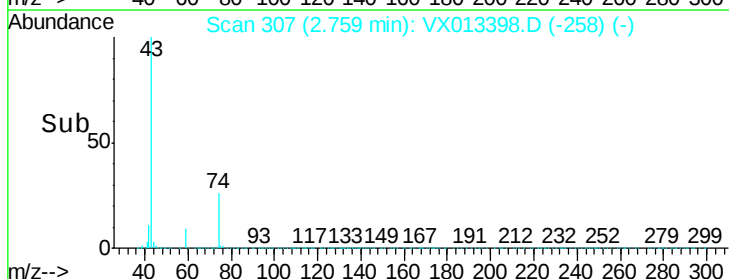
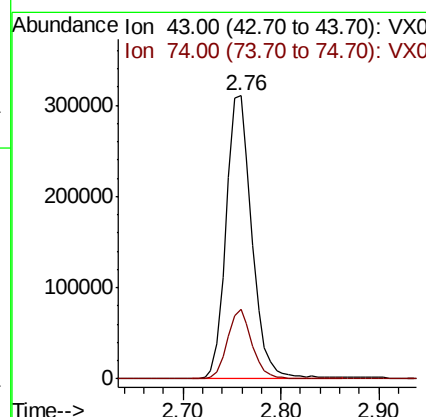
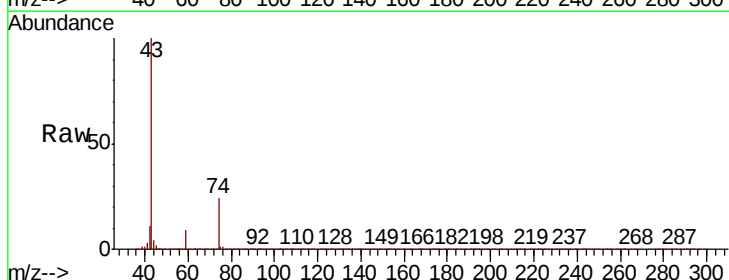
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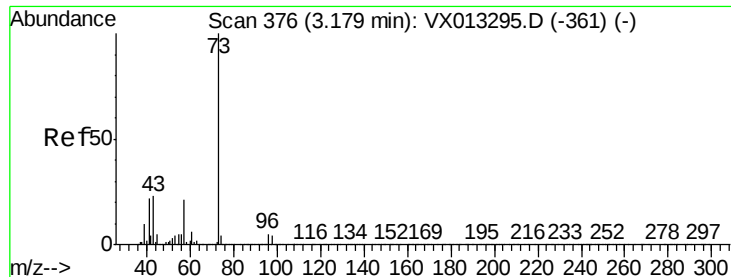
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#18
Methyl Acetate
Concen: 51.831 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.00 min
Lab File: VX013398.D
Acq: 13 Nov 2019 10:43

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.4	19.0	28.6





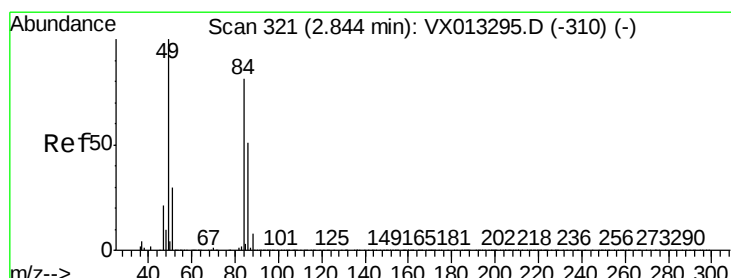
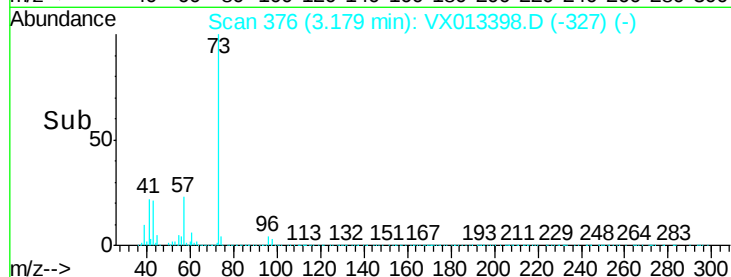
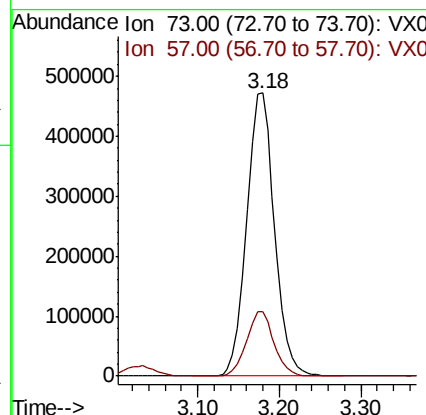
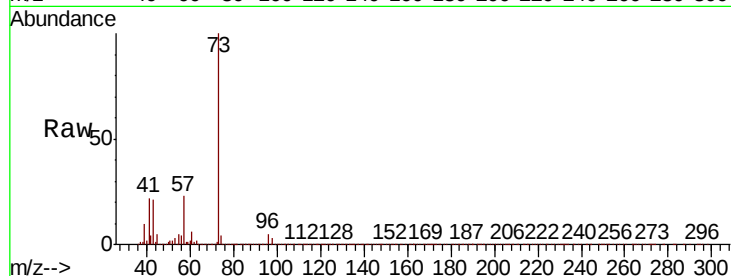
#19
Methvl tert-butvl Ether
Concen: 54.564 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.00 min
Lab File: VX013398.D
Acq: 13 Nov 2019 10:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 1116177
Ion Ratio Lower Upper
73 100
57 22.6 17.1 25.7

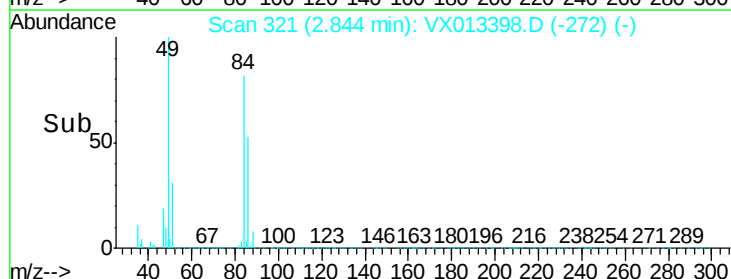
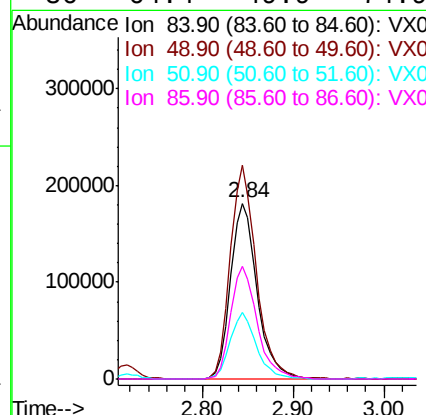
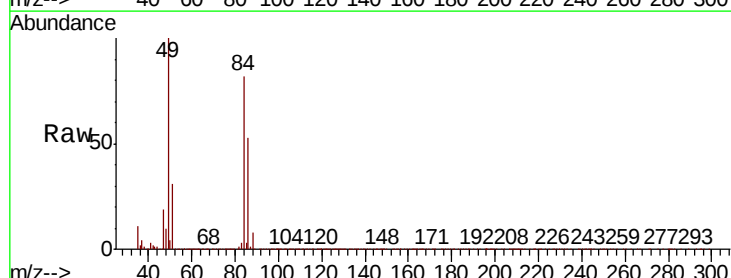
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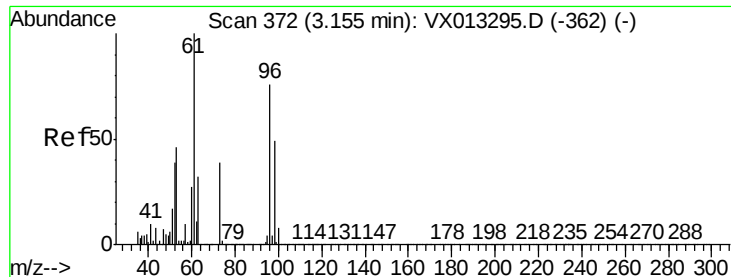
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#20
Methylene Chloride
Concen: 50.436 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX013398.D
Acq: 13 Nov 2019 10:43

Tgt Ion: 84 Resp: 368184
Ion Ratio Lower Upper
84 100
49 121.7 98.2 147.4
51 37.5 29.9 44.9
86 64.4 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 49.781 ug/l

RT: 3.15 min Scan# 372

Delta R.T. -0.00 min

Lab File: VX013398.D

Acq: 13 Nov 2019 10:43

Instrument :

MSVOA_X

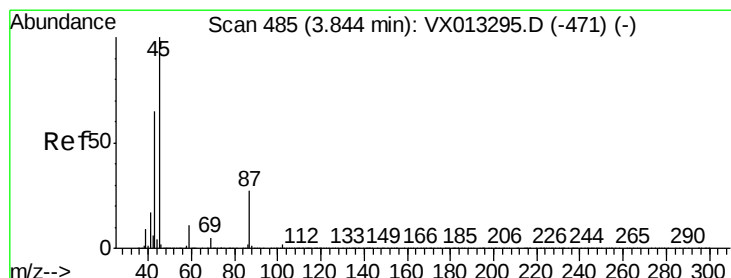
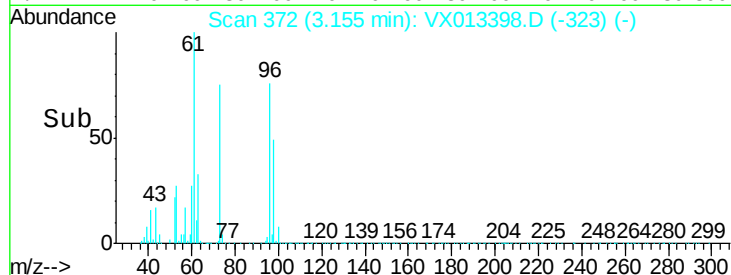
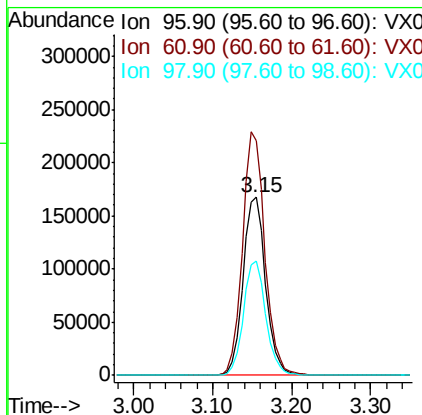
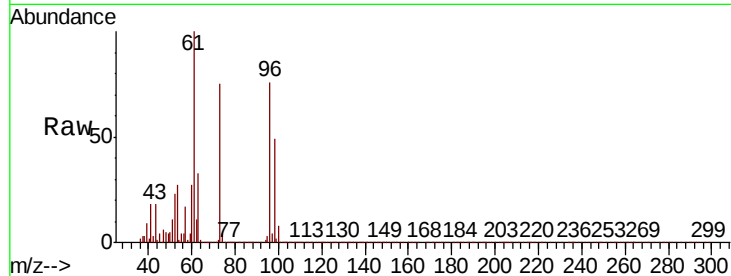
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	332436
Ion Ratio	Lower	Upper	
96	100		
61	131.7	105.8	158.6
98	64.1	51.8	77.6

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#22

Diisopropyl ether

Concen: 55.429 ug/l

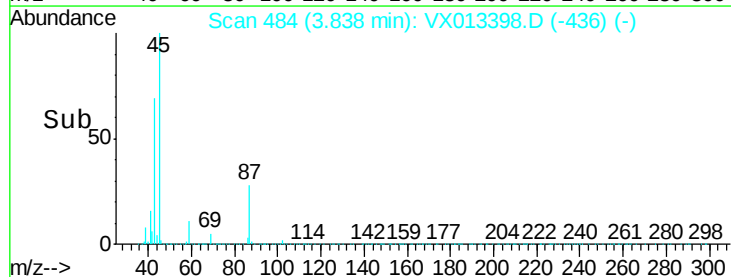
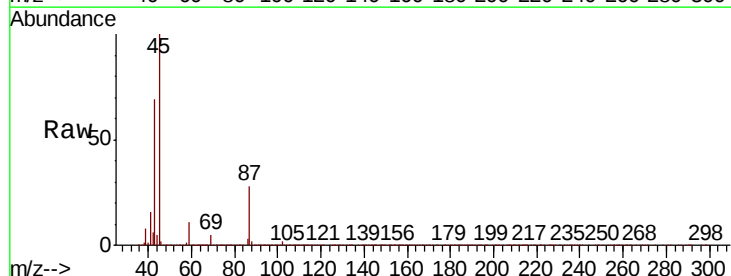
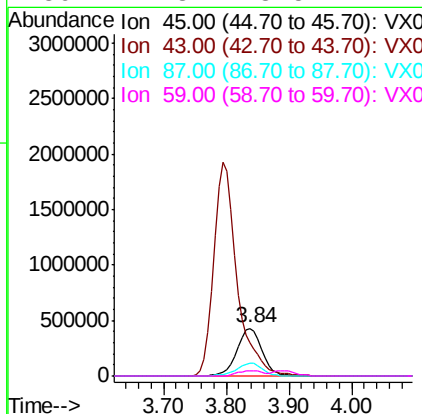
RT: 3.84 min Scan# 484

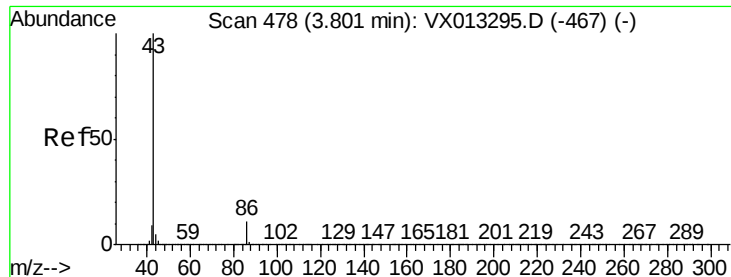
Delta R.T. -0.01 min

Lab File: VX013398.D

Acq: 13 Nov 2019 10:43

Tgt Ion:	45	Resp:	1192528
Ion Ratio	Lower	Upper	
45	100		
43	69.3	54.2	81.2
87	27.8	21.8	32.8
59	11.3	8.5	12.7





#23

Vinyl Acetate

Concen: 268.882 ug/l

RT: 3.80 min Scan# 477

Delta R.T. -0.01 min

Lab File: VX013398.D

Acq: 13 Nov 2019 10:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 4950071

Ion Ratio Lower Upper

43 100

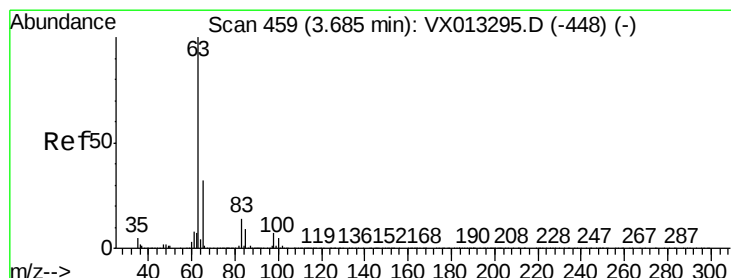
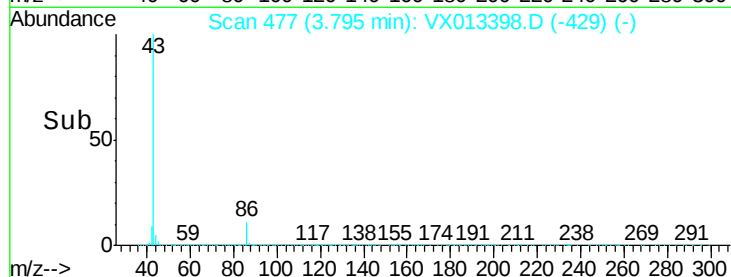
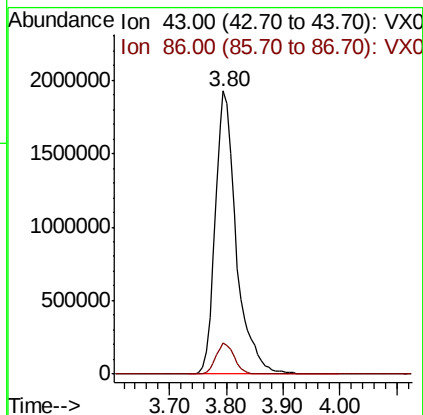
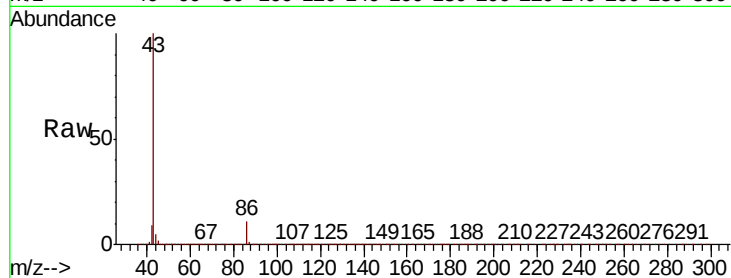
86 10.9 8.6 13.0

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#24

1,1-Dichloroethane

Concen: 51.974 ug/l

RT: 3.68 min Scan# 458

Delta R.T. -0.01 min

Lab File: VX013398.D

Acq: 13 Nov 2019 10:43

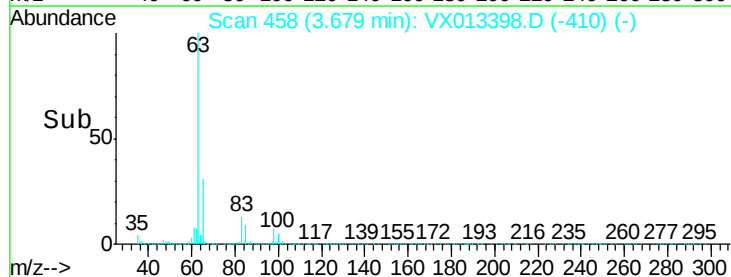
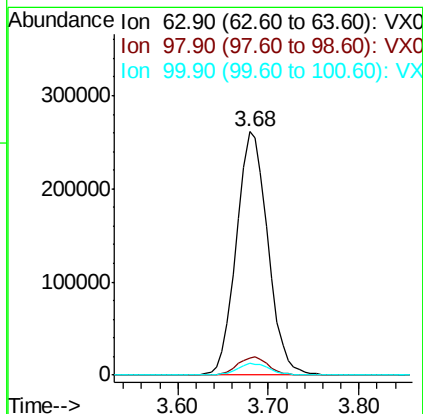
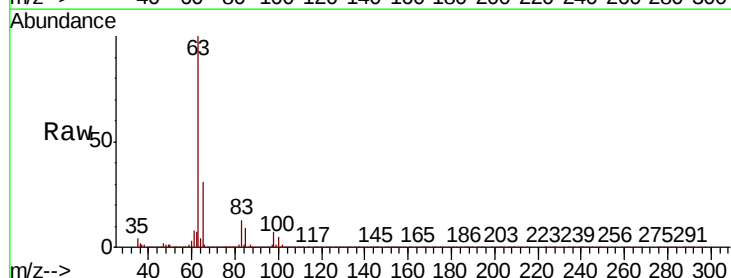
Tgt Ion: 63 Resp: 625524

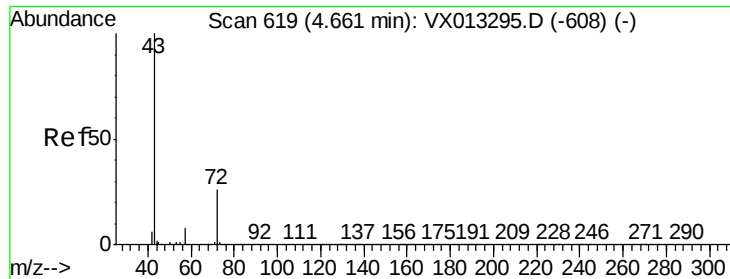
Ion Ratio Lower Upper

63 100

98 6.9 3.5 10.4

100 4.9 2.4 7.2





#25

2-Butanone

Concen: 246.469 ug/l

RT: 4.65 min Scan# 617

Delta R.T. -0.01 min

Lab File: VX013398.D

Acq: 13 Nov 2019 10:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1428583

Ion Ratio Lower Upper

43 100

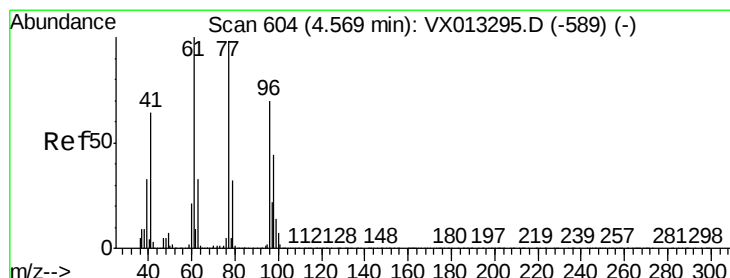
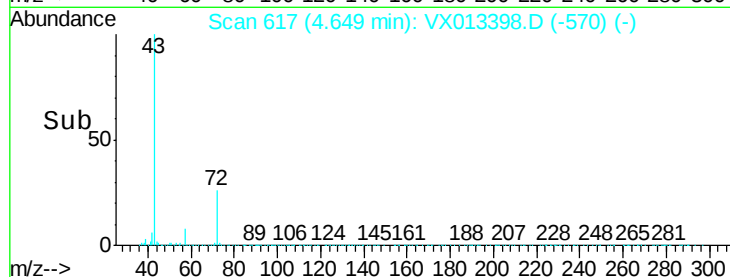
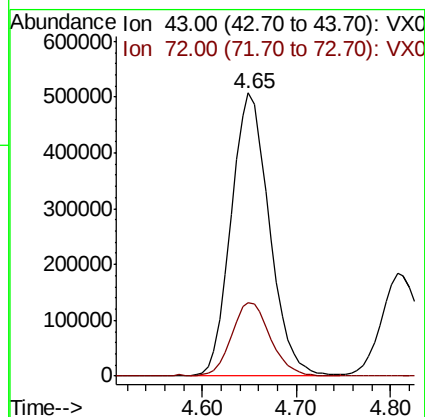
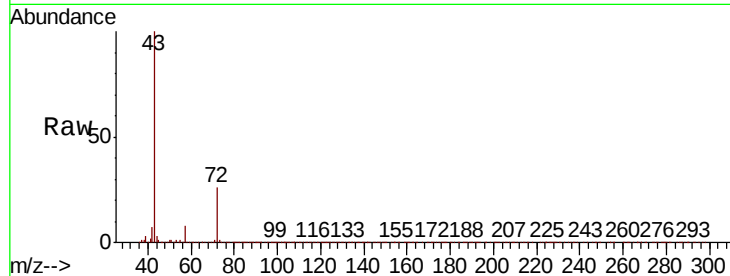
72 25.7 21.0 31.6

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#26

2,2-Dichloropropane

Concen: 52.472 ug/l

RT: 4.56 min Scan# 603

Delta R.T. -0.01 min

Lab File: VX013398.D

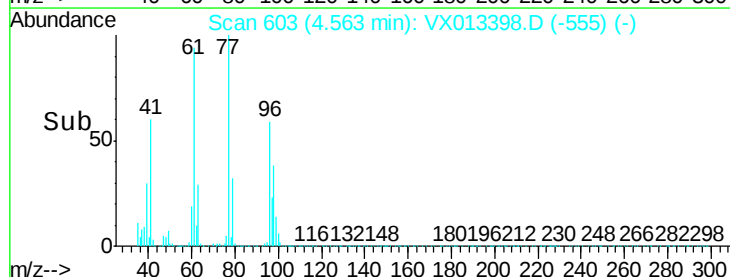
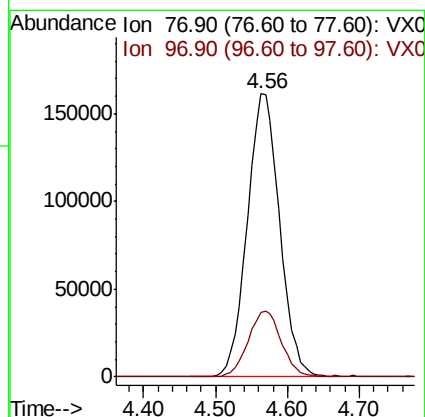
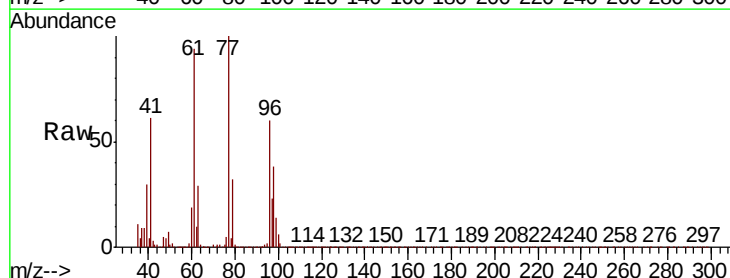
Acq: 13 Nov 2019 10:43

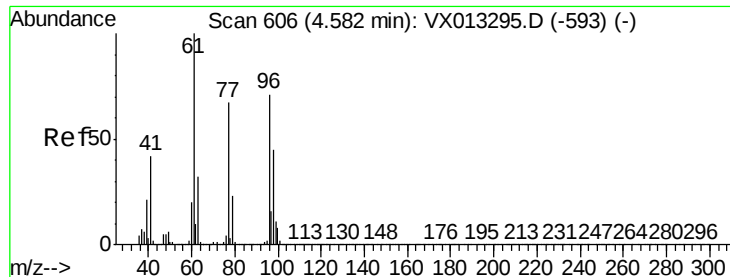
Tgt Ion: 77 Resp: 502385

Ion Ratio Lower Upper

77 100

97 23.6 11.3 33.8





#27

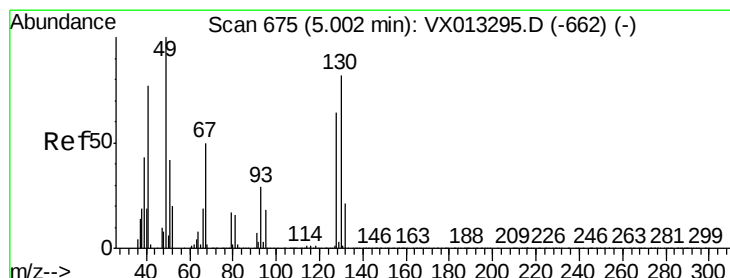
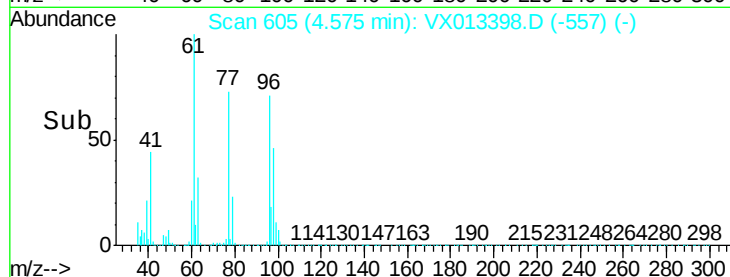
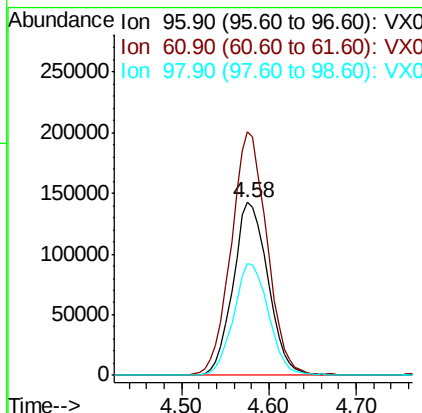
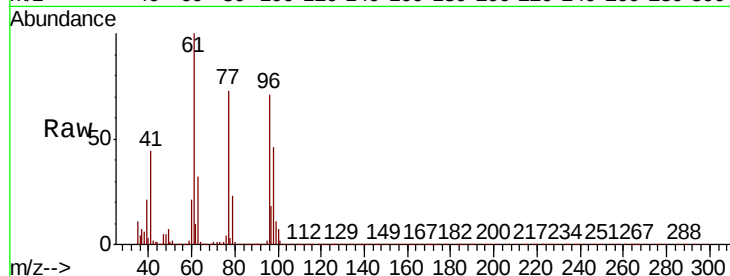
cis-1,2-Dichloroethene
Concen: 52.853 ug/l
RT: 4.58 min Scan# 605
Delta R.T. -0.01 min
Lab File: VX013398.D
Acq: 13 Nov 2019 10:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	395378		
61	144.4	0.0	288.0	
98	65.2	0.0	129.6	

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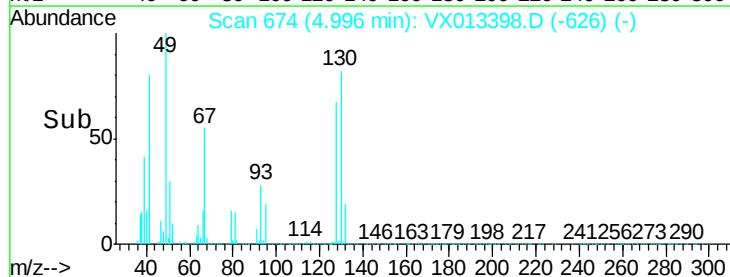
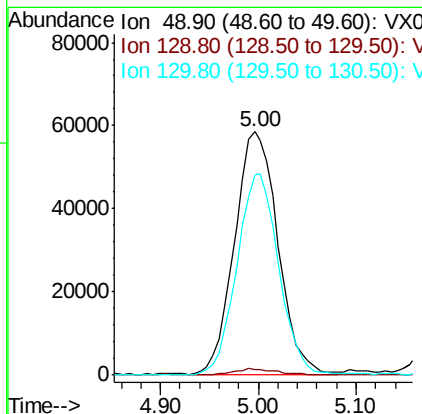
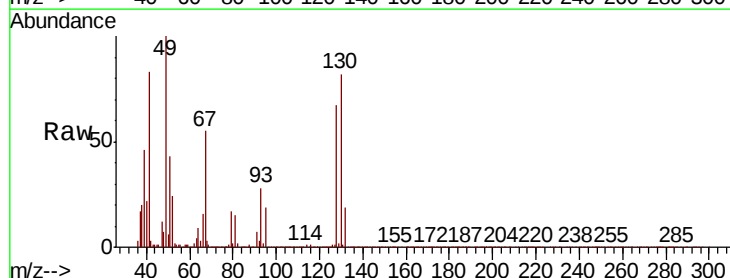
MMDadoda
11/14/2019 9:37:03 AM

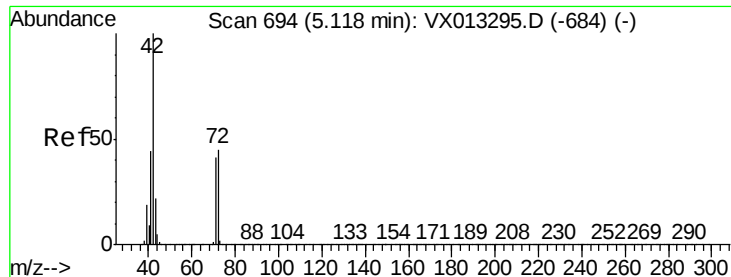


#28

Bromochloromethane
Concen: 52.510 ug/l
RT: 5.00 min Scan# 674
Delta R.T. -0.01 min
Lab File: VX013398.D
Acq: 13 Nov 2019 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	179439		
129	2.3	0.0	5.2	
130	80.7	63.8	95.6	





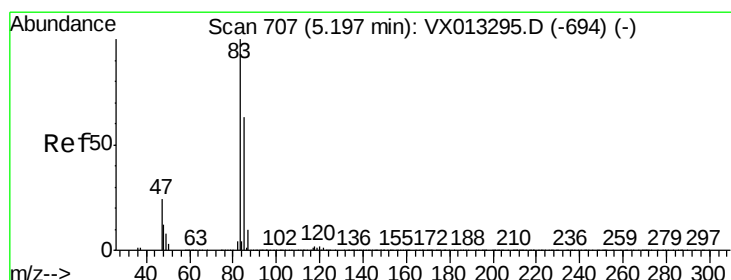
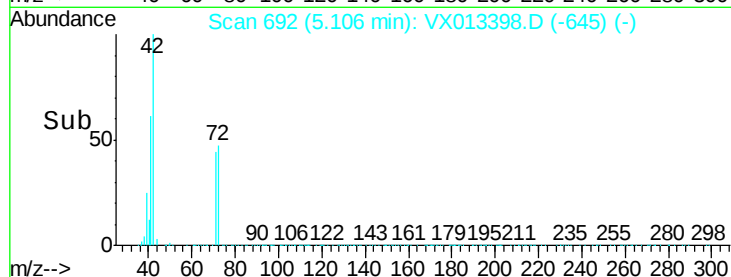
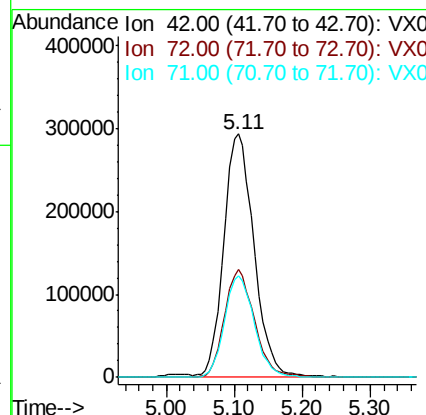
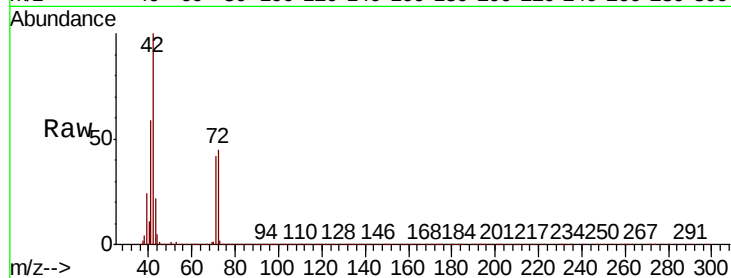
#29
Tetrahydrofuran
Concen: 251.724 ug/l
RT: 5.11 min Scan# 692
Delta R.T. -0.01 min
Lab File: VX013398.D
Acq: 13 Nov 2019 10:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.5	35.8	53.8
71	41.2	33.4	50.0

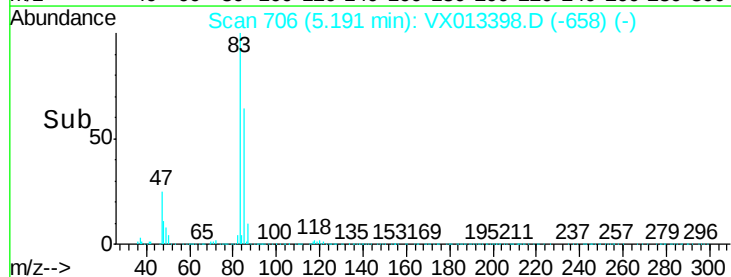
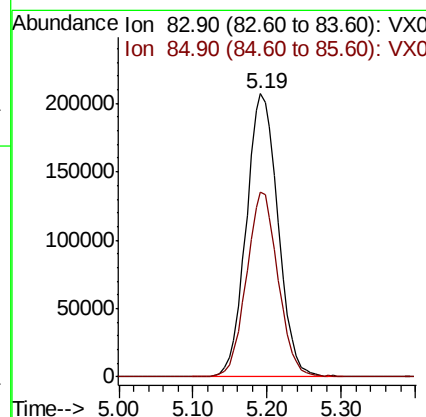
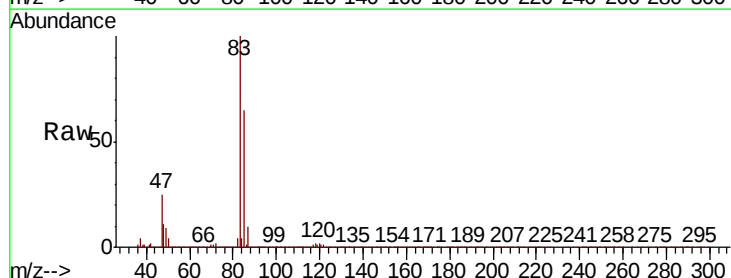
Manual Integrations
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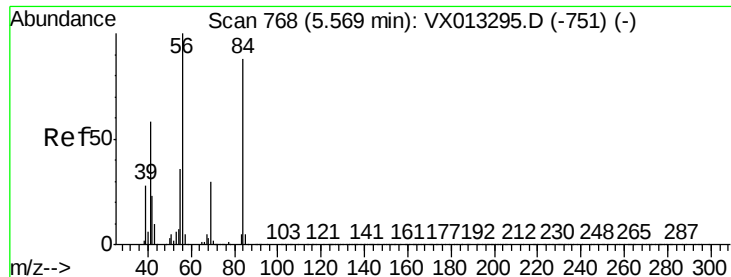
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11/14/2019 9:37:03 AM



#30
Chloroform
Concen: 52.044 ug/l
RT: 5.19 min Scan# 706
Delta R.T. -0.01 min
Lab File: VX013398.D
Acq: 13 Nov 2019 10:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	50.2	75.4





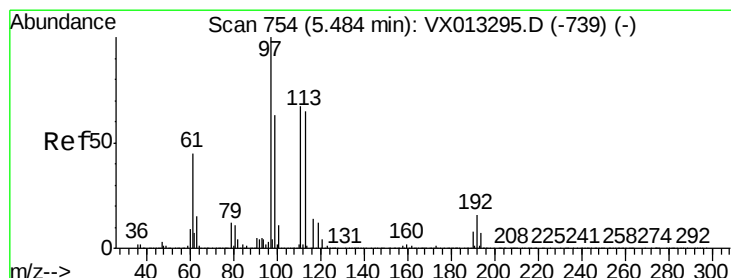
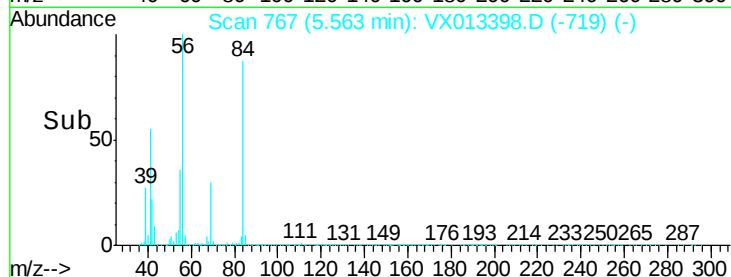
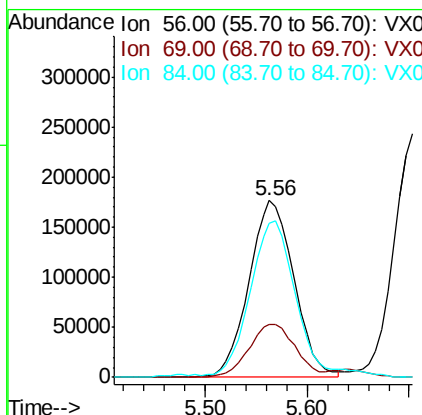
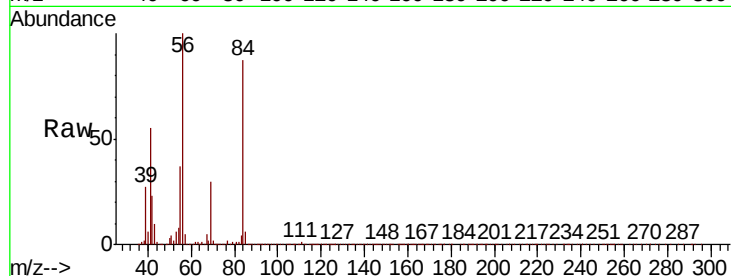
#31
Cyclohexane
Concen: 49.705 ug/l
RT: 5.56 min Scan# 767
Delta R.T. -0.01 min
Lab File: VX013398.D
Acq: 13 Nov 2019 10:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.9	23.7	35.5
84	86.0	70.6	105.8

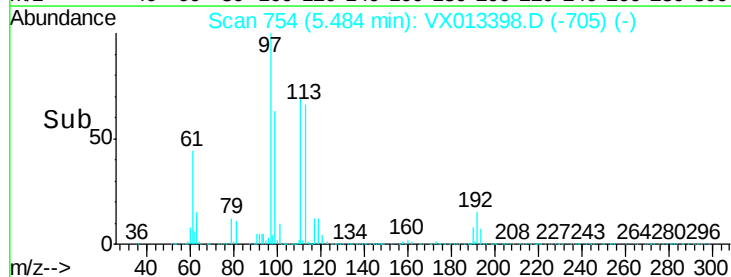
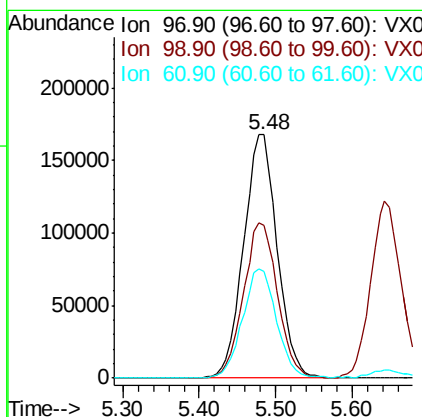
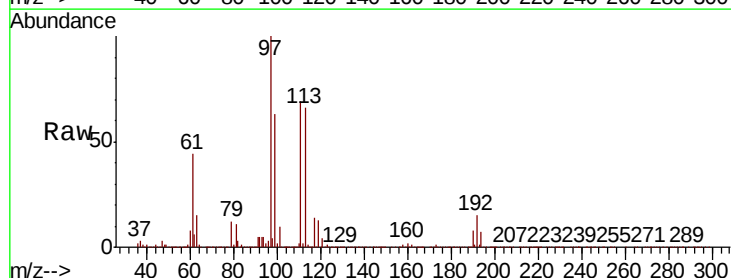
Manual Integrations
APPROVED

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11/14/2019 9:37:03 AM



#32
1,1,1-Trichloroethane
Concen: 50.205 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.00 min
Lab File: VX013398.D
Acq: 13 Nov 2019 10:43

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.1	76.7
61	44.9	36.5	54.7





#33

1,2-Dichloroethane-d4

Concen: 47.905 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX013398.D

Acq: 13 Nov 2019 10:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 379465

Ion Ratio Lower Upper

65 100

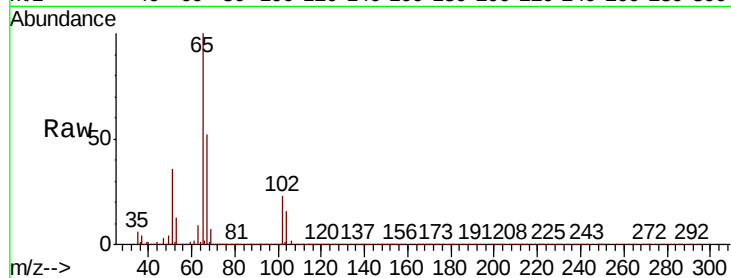
67 53.0 0.0 104.2

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.05

150000

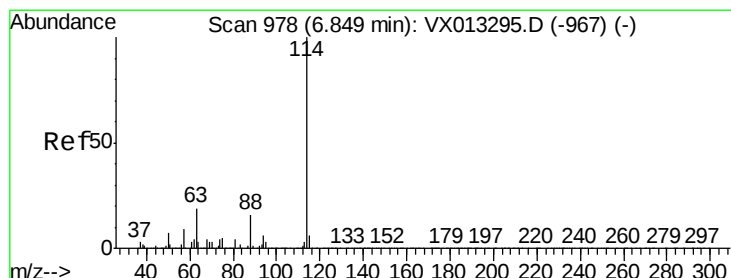
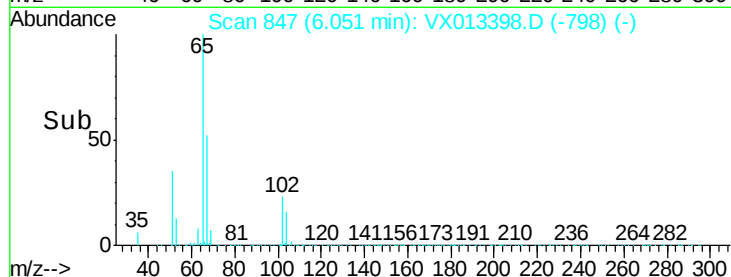
100000

50000

0

6.00 6.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 977

Delta R.T. -0.01 min

Lab File: VX013398.D

Acq: 13 Nov 2019 10:43

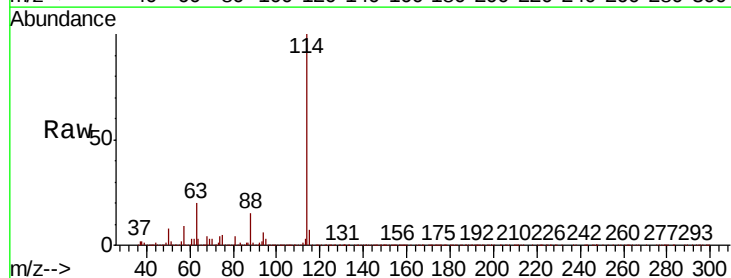
Tgt Ion: 114 Resp: 1010957

Ion Ratio Lower Upper

114 100

63 19.7 0.0 38.4

88 15.2 0.0 32.2



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

6.84

500000

400000

300000

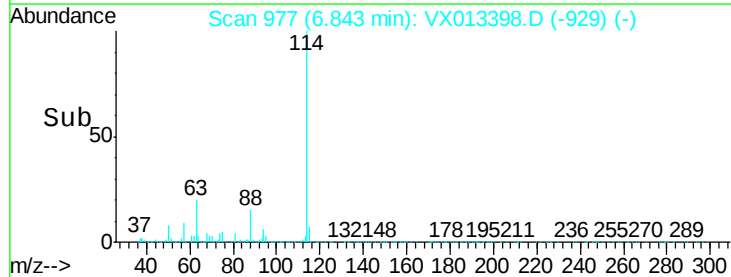
200000

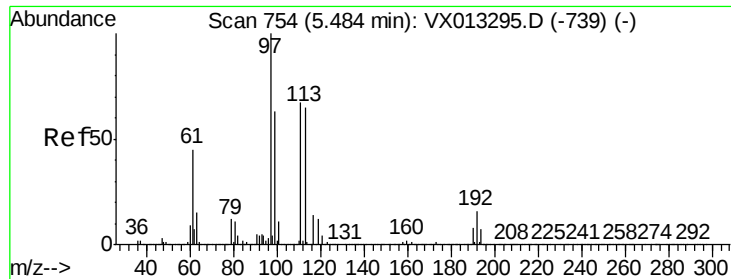
100000

0

6.70 6.80 6.90 7.00

Time-->





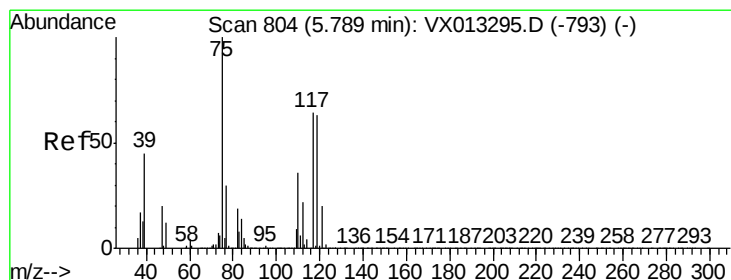
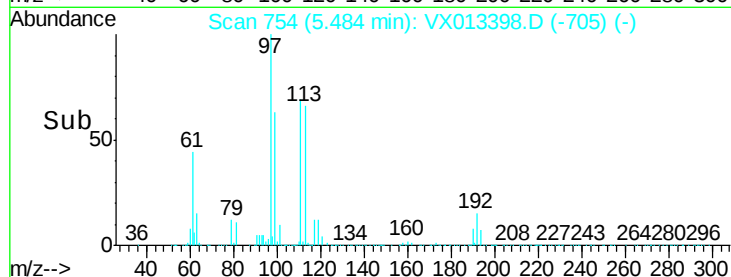
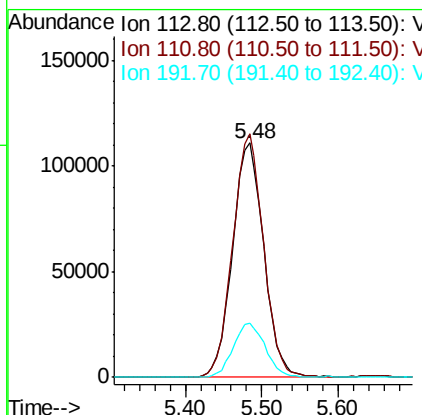
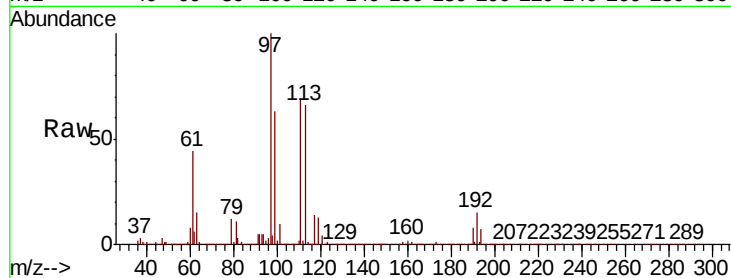
#35
Dibromofluoromethane
Concen: 49.573 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.00 min
Lab File: VX013398.D
Acq: 13 Nov 2019 10:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	314332		
111	102.4	81.9	122.9	
192	23.8	19.1	28.7	

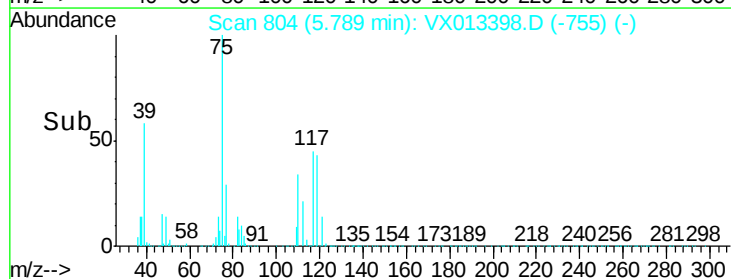
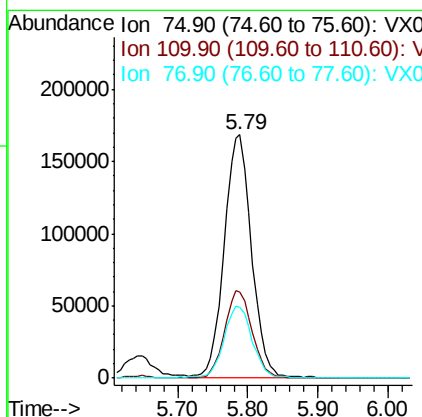
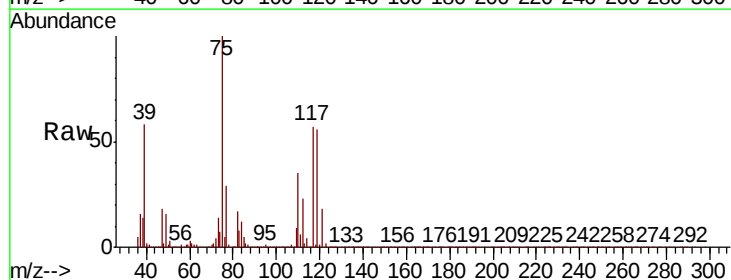
Manual Integrations
APPROVED

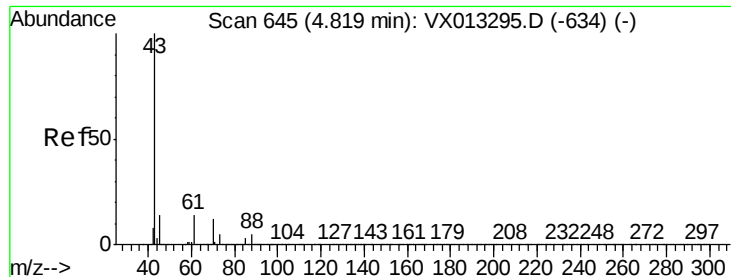
MMDadoda
11/14/2019 9:37:03 AM



#36
1,1-Dichloropropene
Concen: 52.308 ug/l
RT: 5.79 min Scan# 804
Delta R.T. -0.00 min
Lab File: VX013398.D
Acq: 13 Nov 2019 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	453655		
110	36.2	18.1	54.1	
77	30.9	25.0	37.4	





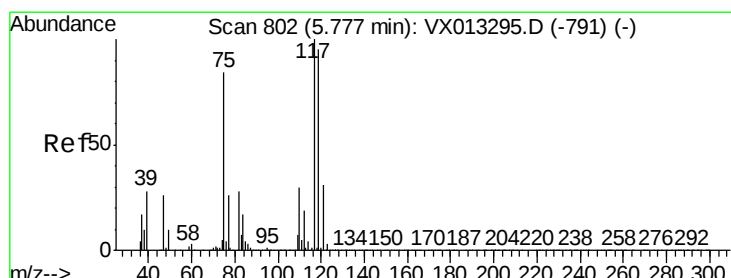
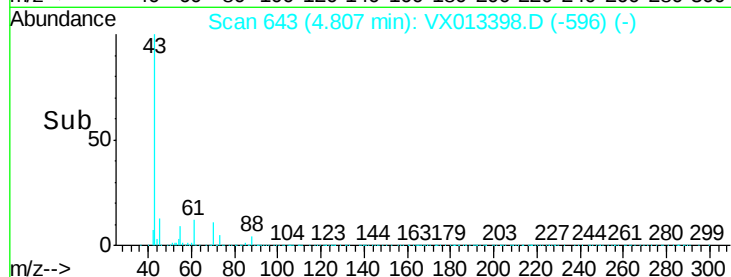
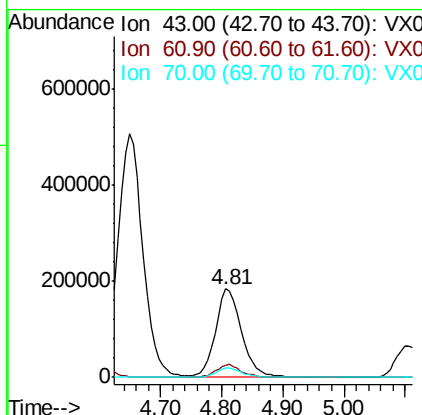
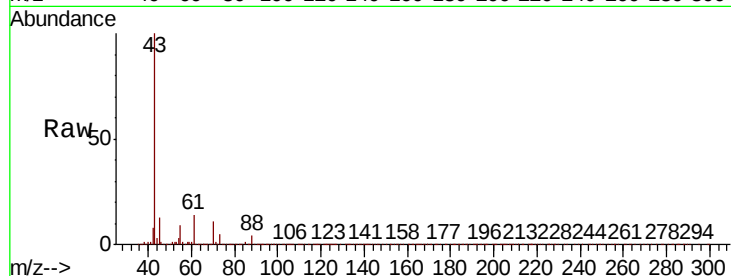
#37
Ethyl Acetate
Concen: 50.596 ug/l
RT: 4.81 min Scan# 643
Delta R.T. -0.01 min
Lab File: VX013398.D
Acq: 13 Nov 2019 10:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	542218
Ion Ratio	Lower	Upper	
43	100		
61	13.4	10.7	16.1
70	10.6	8.7	13.1

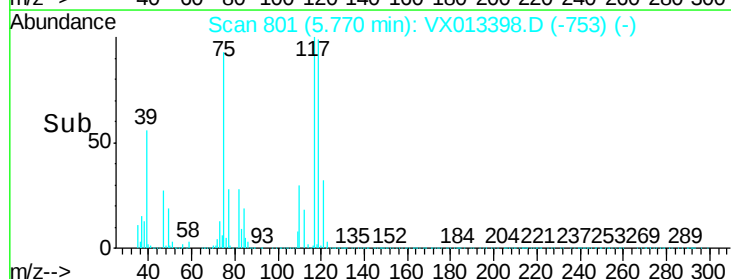
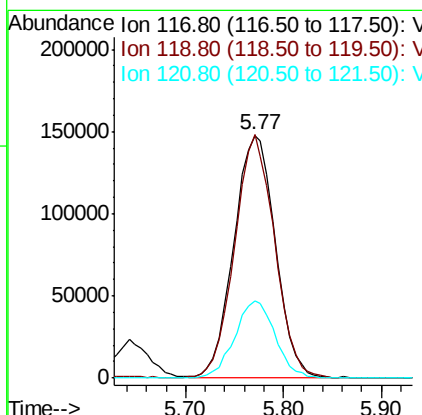
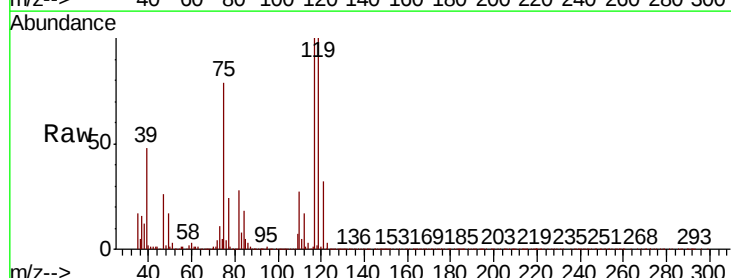
Manual Integrations
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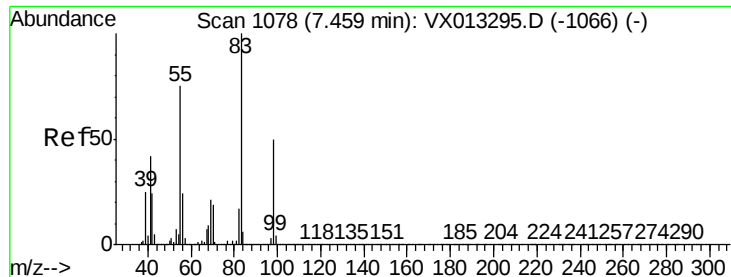
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#38
Carbon Tetrachloride
Concen: 51.070 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.01 min
Lab File: VX013398.D
Acq: 13 Nov 2019 10:43

Tgt Ion	117	Resp	433118
Ion Ratio	Lower	Upper	
117	100		
119	100.5	76.1	114.1
121	32.0	24.6	37.0





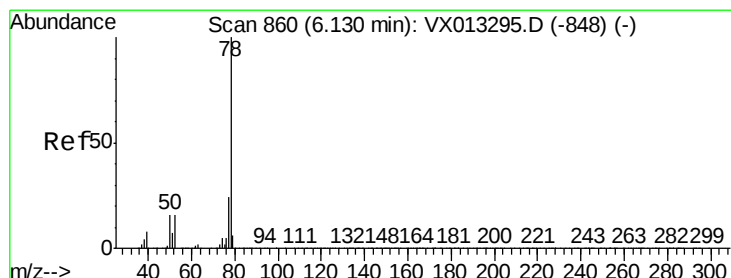
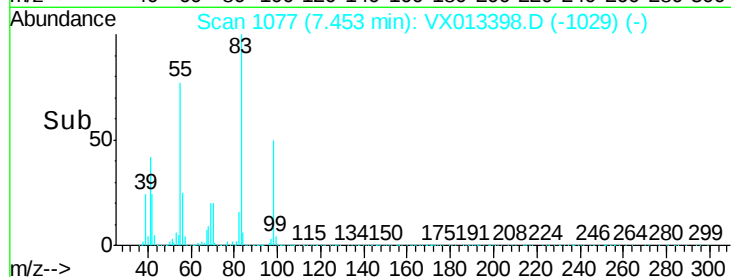
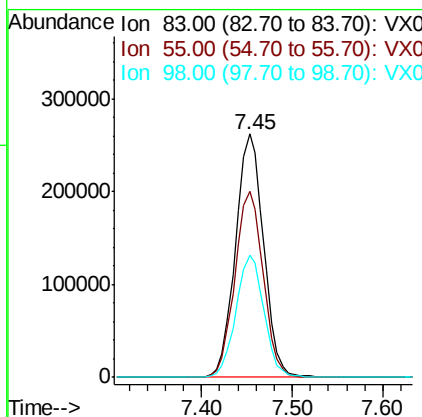
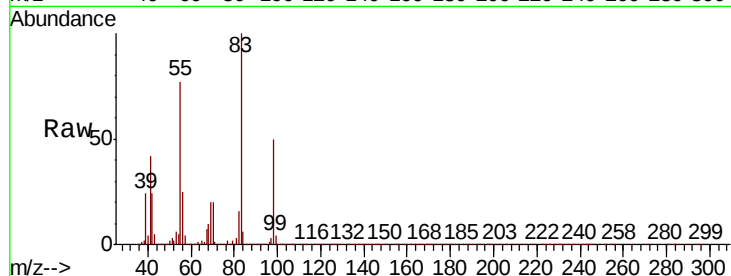
#39
Methvlcvclohexane
Concen: 51.873 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VX013398.D
Acq: 13 Nov 2019 10:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.6	60.3	90.5
98	50.1	40.3	60.5

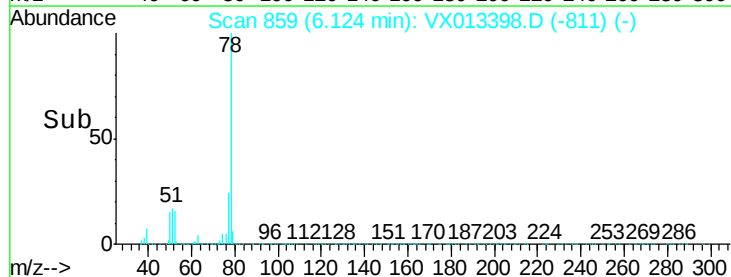
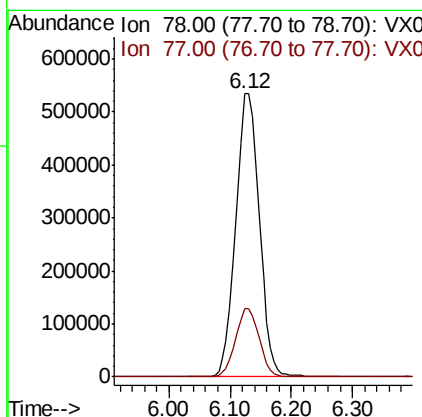
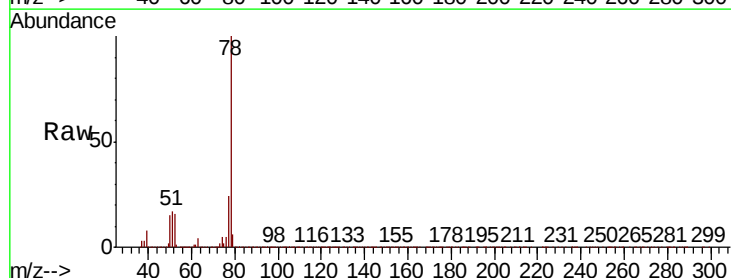
Manual Integrations
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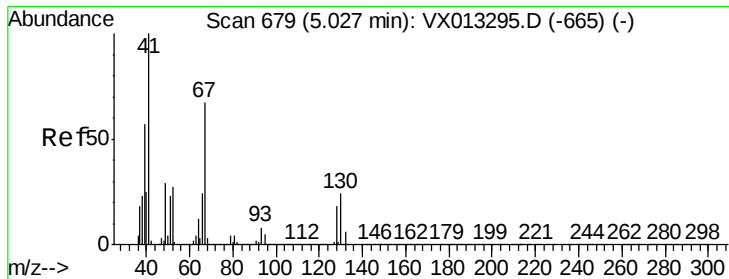
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11/14/2019 9:37:03 AM



#40
Benzene
Concen: 52.601 ug/l
RT: 6.12 min Scan# 859
Delta R.T. -0.01 min
Lab File: VX013398.D
Acq: 13 Nov 2019 10:43

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.5	29.3





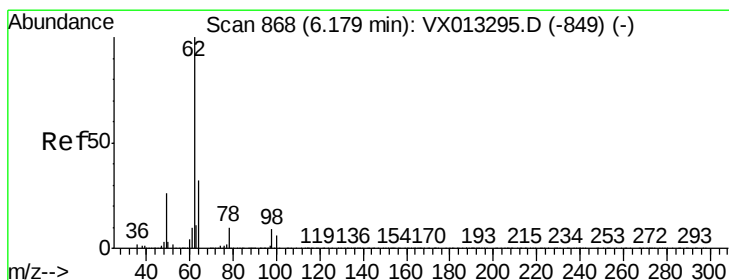
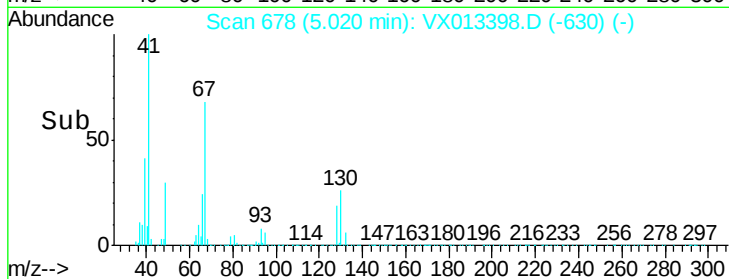
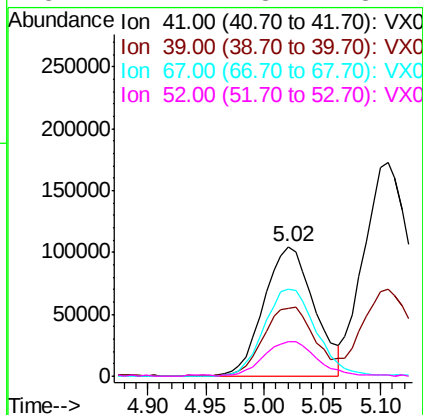
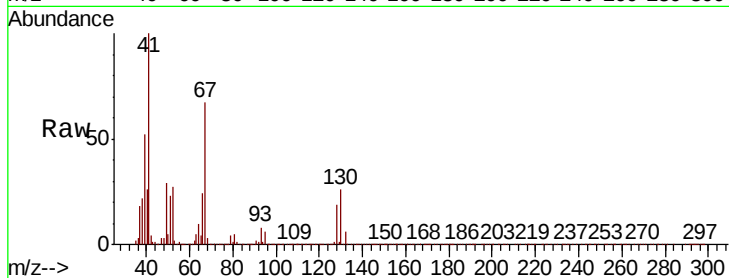
#41
Methacrylonitrile
Concen: 51.966 ug/l
RT: 5.02 min Scan# 678
Delta R.T. -0.01 min
Lab File: VX013398.D
Acq: 13 Nov 2019 10:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	55.2	45.0	67.6		
67	69.8	55.4	83.2		
52	27.2	23.1	34.7		

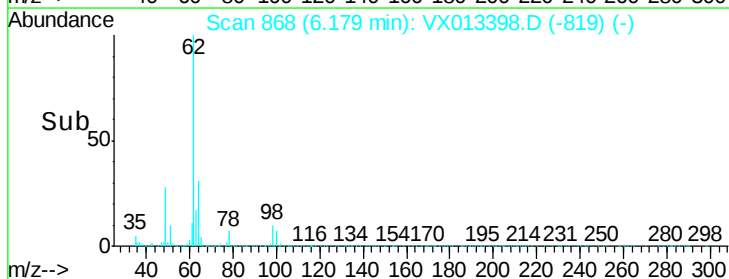
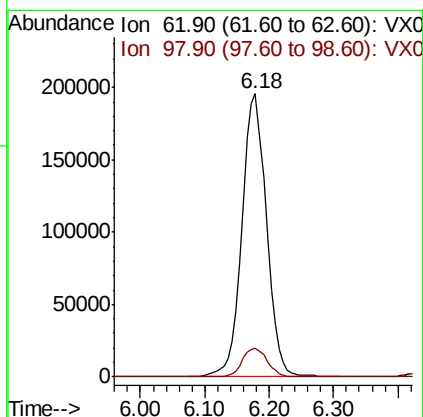
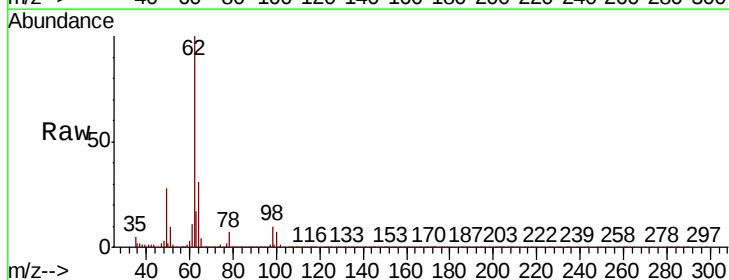
Manual Integrations
APPROVED

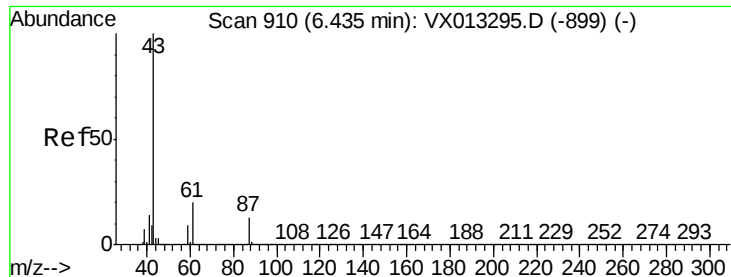
MMDadoda
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#42
1,2-Dichloroethane
Concen: 52.738 ug/l
RT: 6.18 min Scan# 868
Delta R.T. -0.00 min
Lab File: VX013398.D
Acq: 13 Nov 2019 10:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	10.3	0.0	19.4		





#43

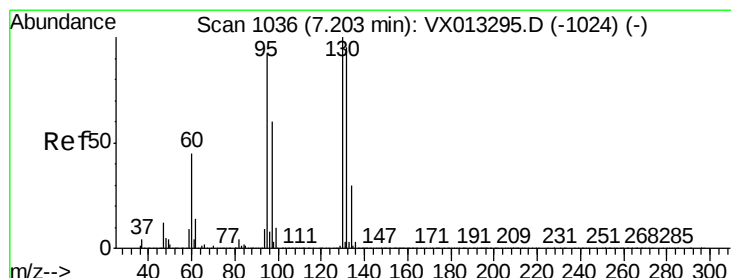
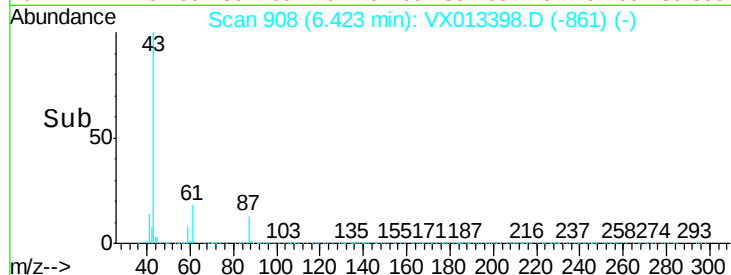
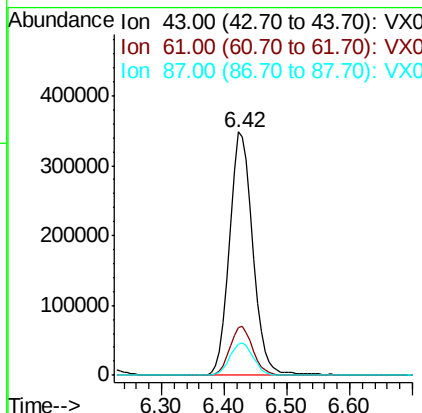
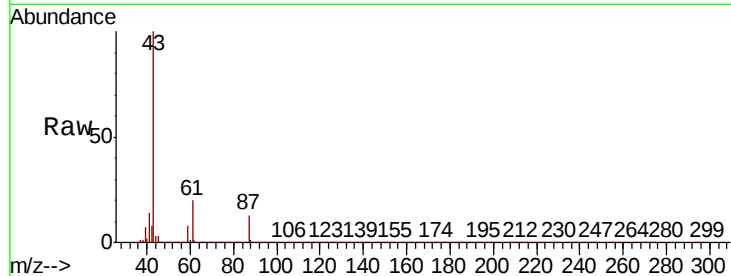
Isopropyl Acetate
 Concen: 53.545 ug/l
 RT: 6.42 min Scan# 908
 Delta R.T. -0.01 min
 Lab File: VX013398.D
 Acq: 13 Nov 2019 10:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.1	15.8	23.8
87	13.4	10.4	15.6

Manual Integrations
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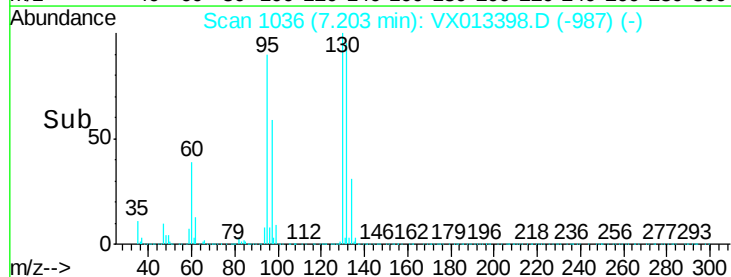
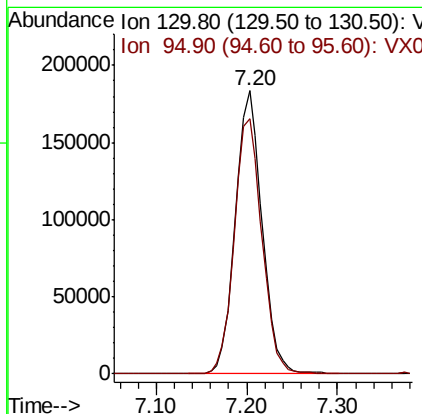
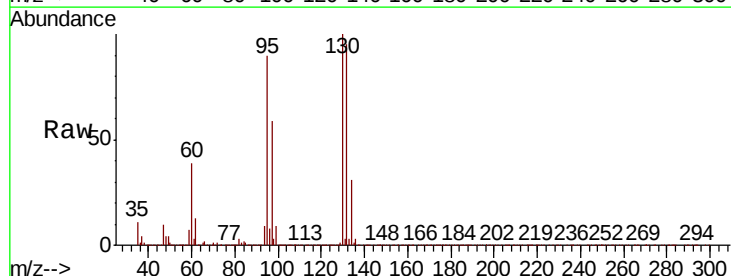
MMDadoda
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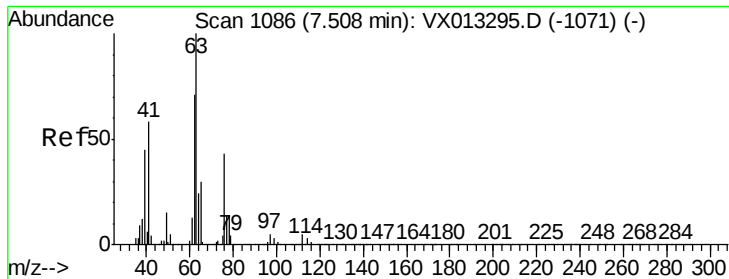


#44

Trichloroethene
 Concen: 51.023 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. -0.00 min
 Lab File: VX013398.D
 Acq: 13 Nov 2019 10:43

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.1	0.0	184.8





#45

1,2-Dichloropropane

Concen: 55.012 ug/l

RT: 7.50 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VX013398.D

Acq: 13 Nov 2019 10:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 378672

Ion Ratio Lower Upper

63 100

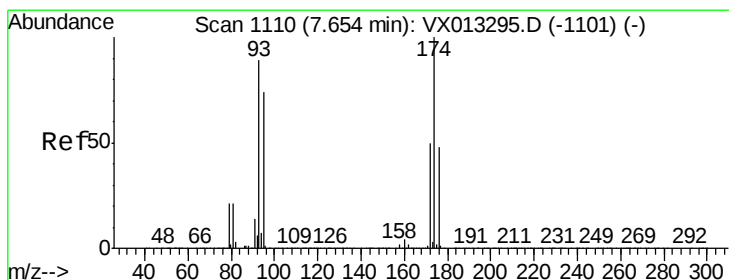
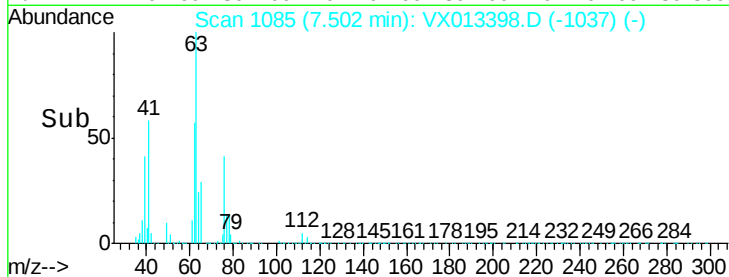
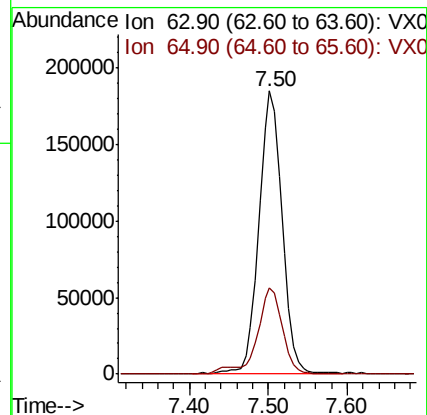
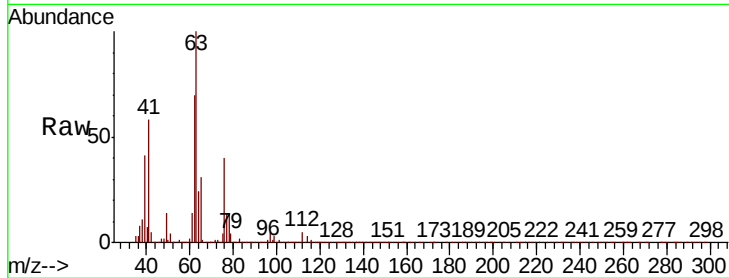
65 30.4 24.3 36.5

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#46

Dibromomethane

Concen: 53.202 ug/l

RT: 7.65 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VX013398.D

Acq: 13 Nov 2019 10:43

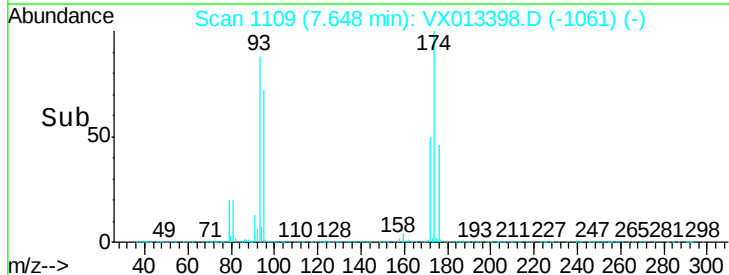
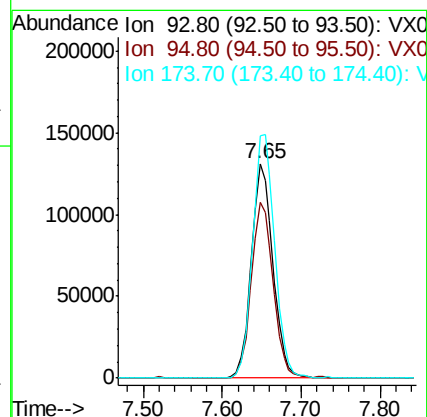
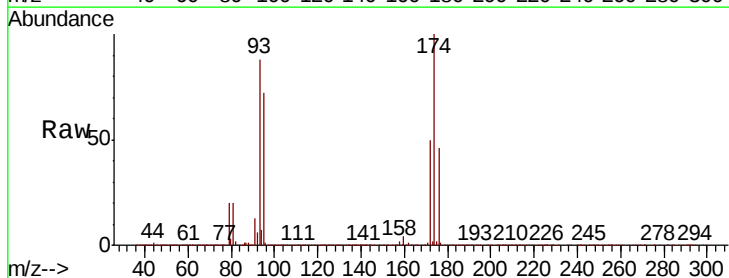
Tgt Ion: 93 Resp: 250040

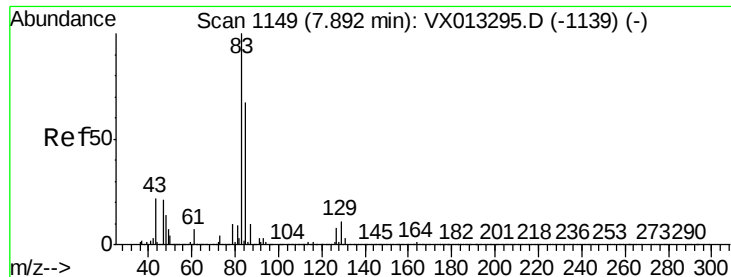
Ion Ratio Lower Upper

93 100

95 83.0 65.8 98.6

174 116.2 90.4 135.6





#47

Bromodichloromethane

Concen: 55.573 ug/l

RT: 7.89 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VX013398.D

Acq: 13 Nov 2019 10:43

Instrument :

MSVOA_X

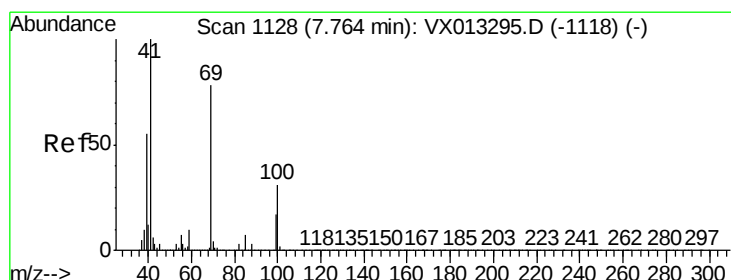
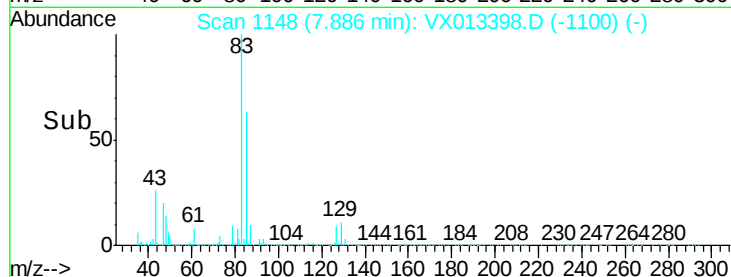
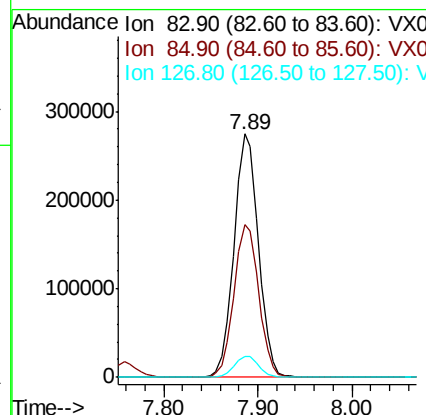
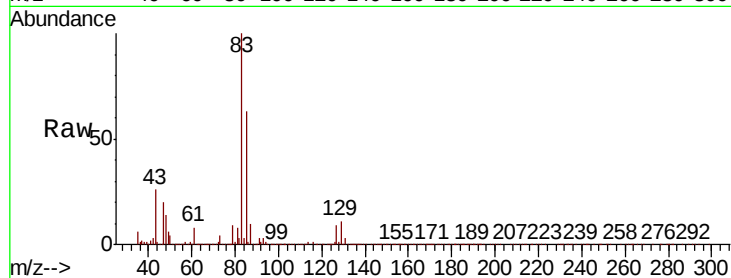
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	492510
Ion Ratio	Lower	Upper	
83	100		
85	62.9	53.7	80.5
127	8.6	6.4	9.6

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#48

Methyl methacrylate

Concen: 53.572 ug/l

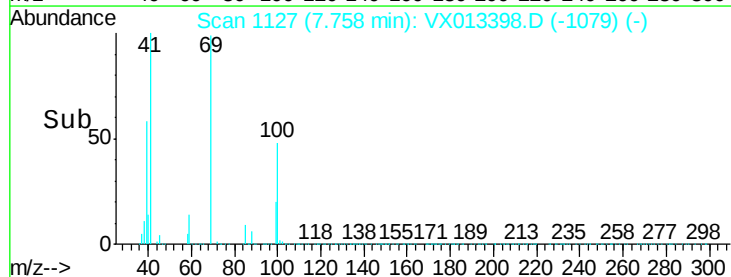
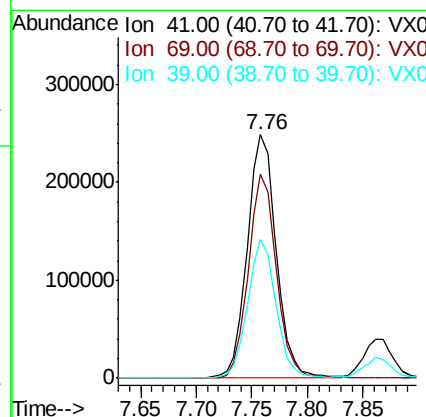
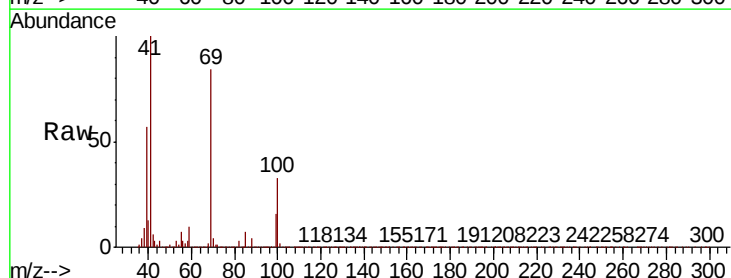
RT: 7.76 min Scan# 1127

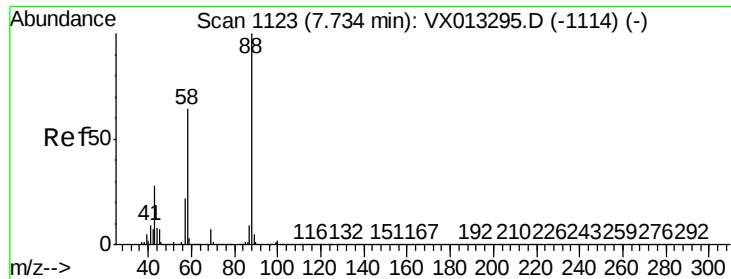
Delta R.T. -0.01 min

Lab File: VX013398.D

Acq: 13 Nov 2019 10:43

Tgt Ion:	41	Resp:	446257
Ion Ratio	Lower	Upper	
41	100		
69	82.1	63.0	94.6
39	55.8	45.9	68.9





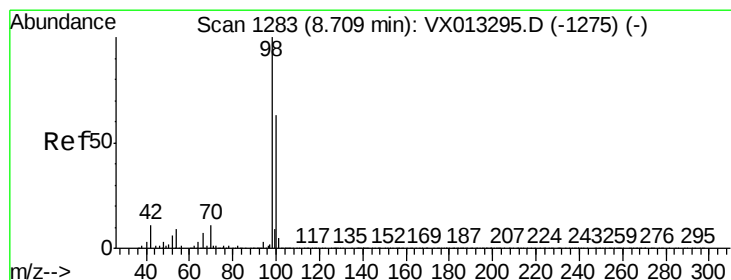
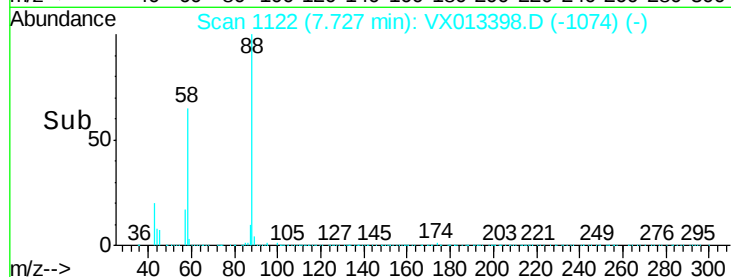
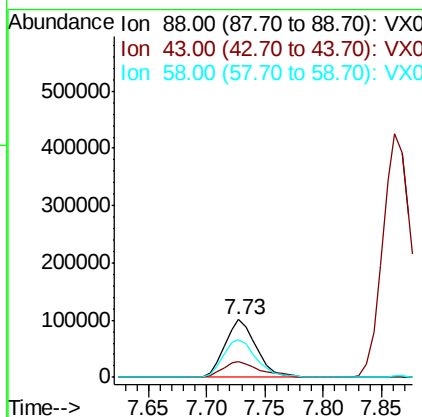
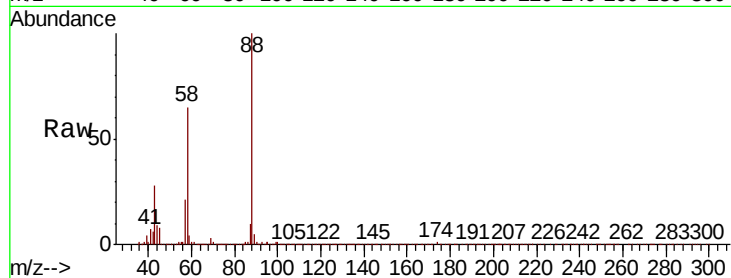
#49
1,4-Dioxane
Concen: 970.012 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. -0.01 min
Lab File: VX013398.D
Acq: 13 Nov 2019 10:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.1	26.6	39.8
58	70.0	55.0	82.6

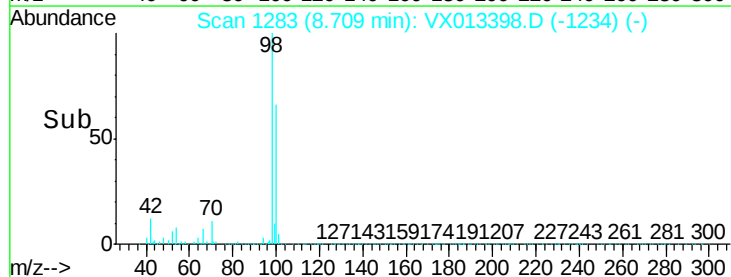
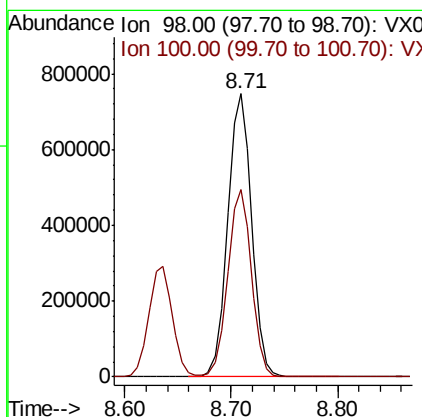
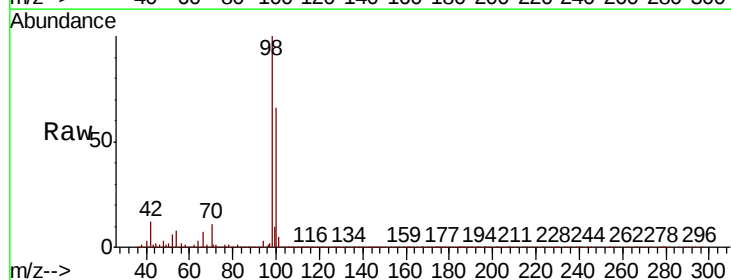
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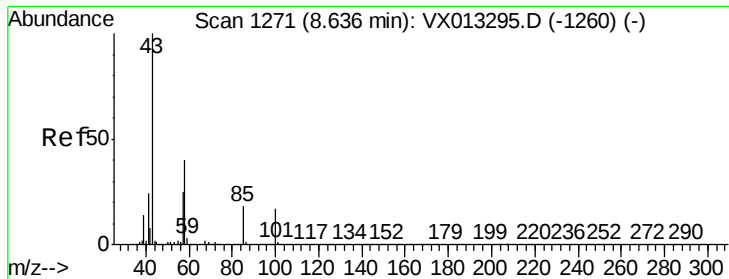
MMDadoda
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#50
Toluene-d8
Concen: 49.030 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013398.D
Acq: 13 Nov 2019 10:43

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 253.872 ug/l

RT: 8.63 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VX013398.D

Acq: 13 Nov 2019 10:43

Tot Ion: 43 Resp: 2779533

Ion Ratio Lower Upper

43 100

58 39.9 31.4 47.0

Instrument :

MSVOA_X

ClientSampleId :

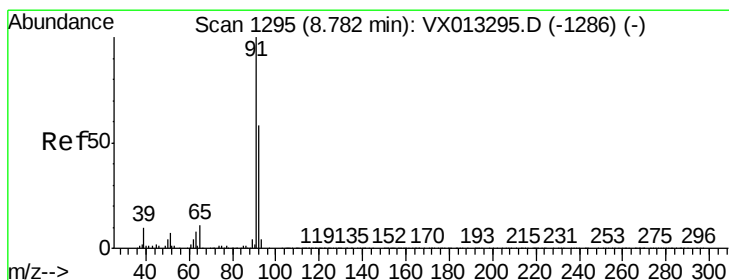
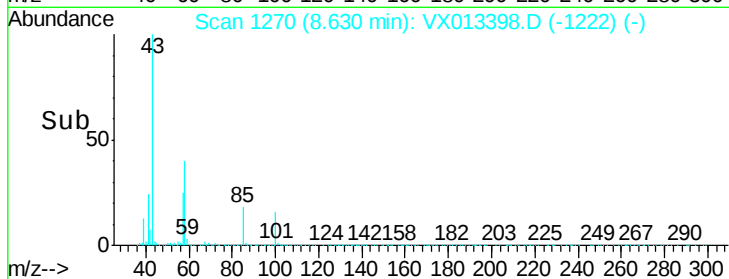
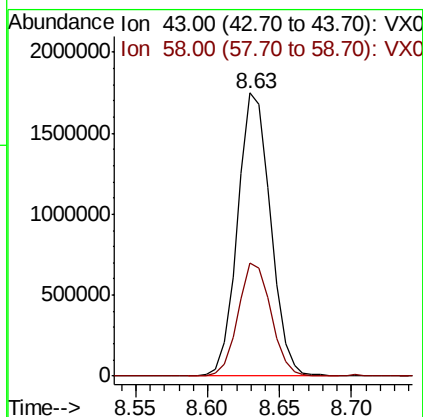
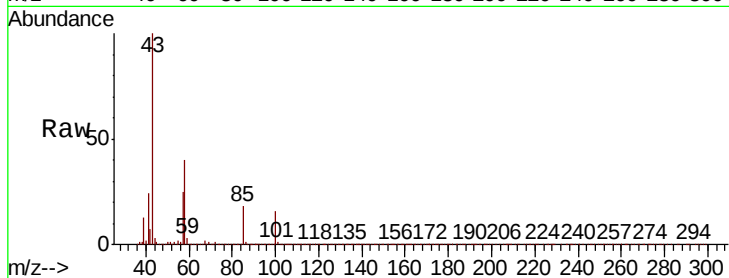
VSTDCCC050

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#52

Toluene

Concen: 53.211 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX013398.D

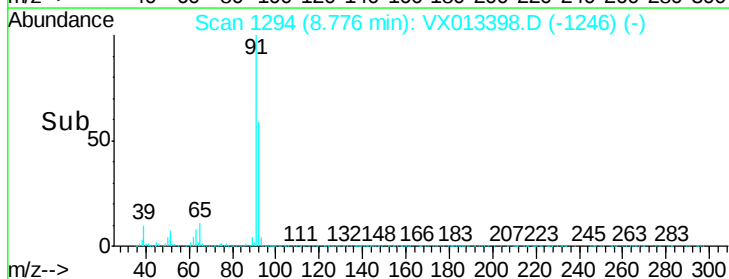
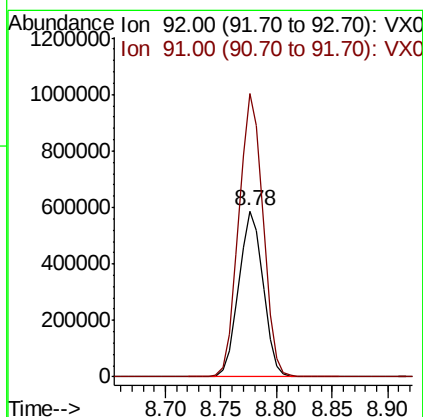
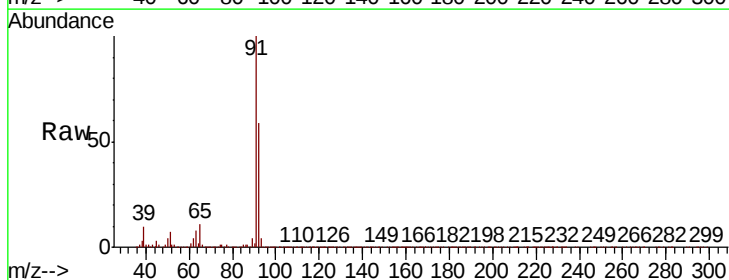
Acq: 13 Nov 2019 10:43

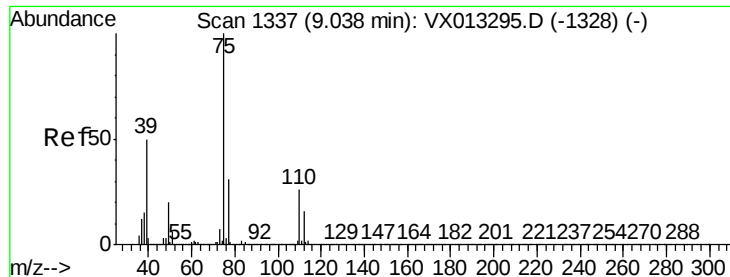
Tgt Ion: 92 Resp: 890963

Ion Ratio Lower Upper

92 100

91 170.6 138.0 207.0





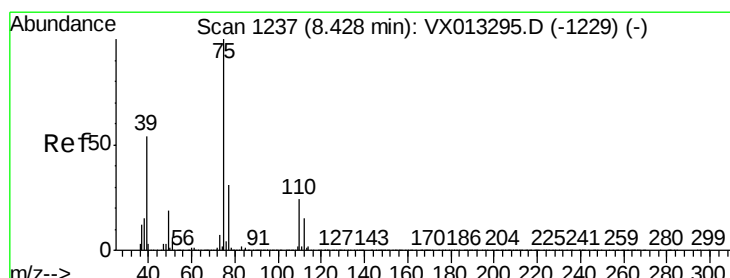
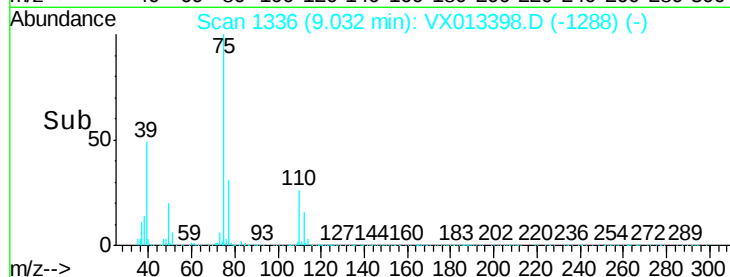
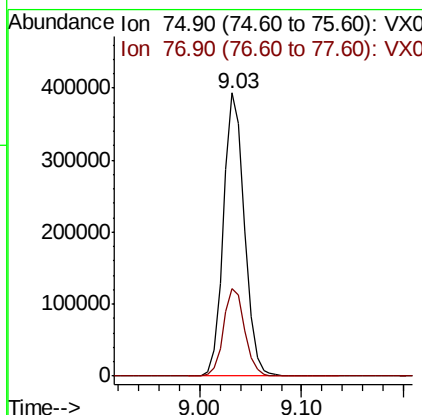
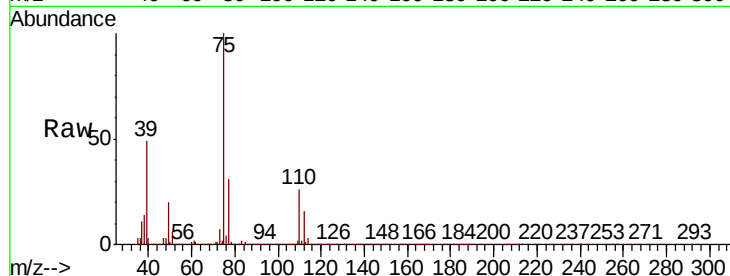
#53
t-1,3-Dichloropropene
Concen: 58.003 ug/l
RT: 9.03 min Scan# 1336
Delta R.T. -0.01 min
Lab File: VX013398.D
Acq: 13 Nov 2019 10:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.0	37.4

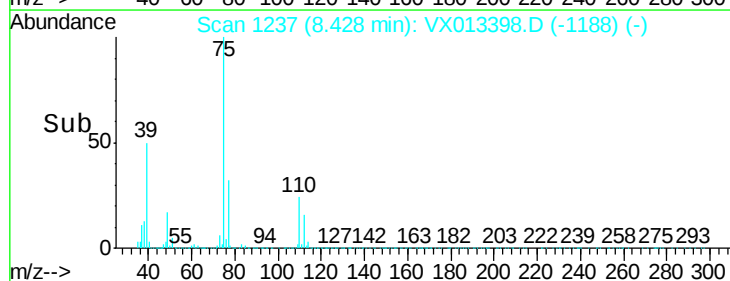
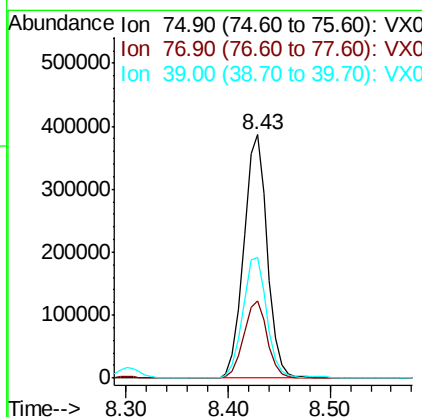
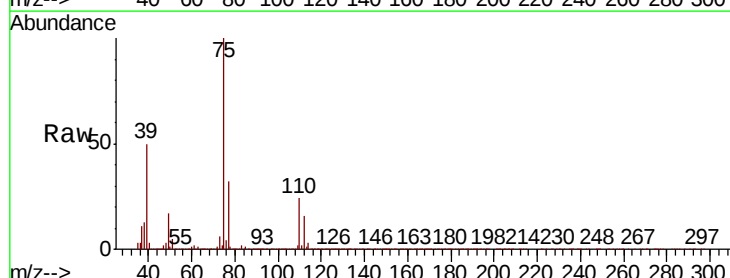
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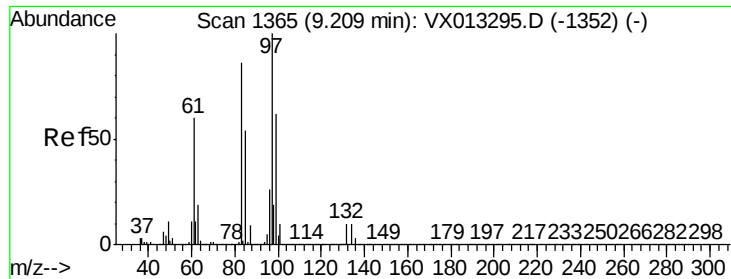
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#54
cis-1,3-Dichloropropene
Concen: 56.745 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VX013398.D
Acq: 13 Nov 2019 10:43

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.6	24.7	37.1
39	49.7	43.0	64.6





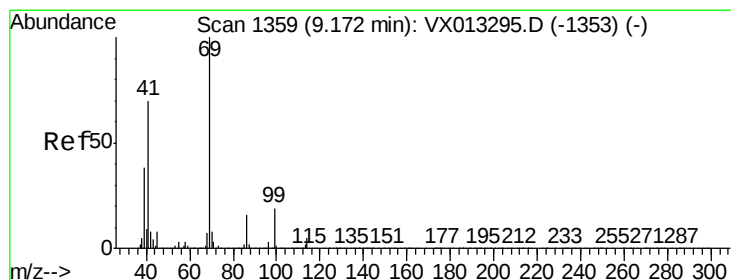
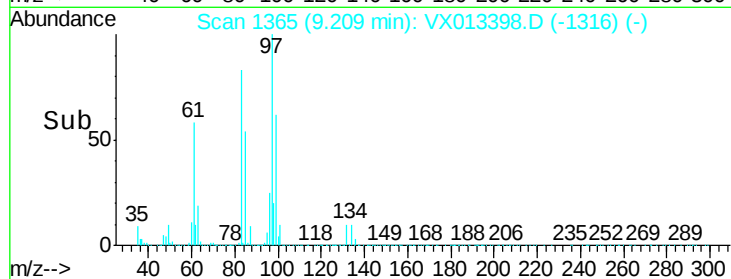
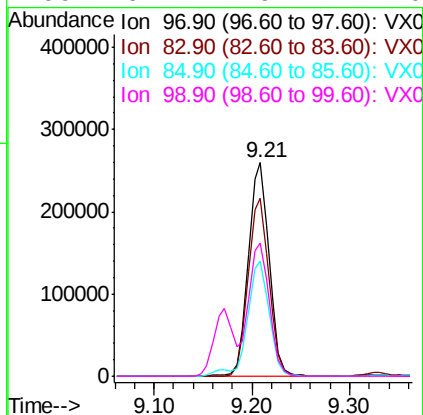
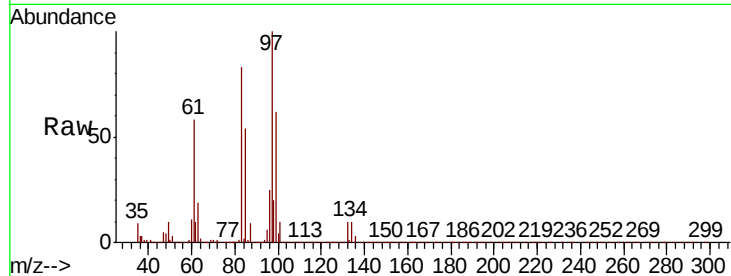
#55
 1,1,2-Trichloroethane
 Concen: 54.815 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX013398.D
 Acq: 13 Nov 2019 10:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		380426		
83	83.4	68.6	103.0		
85	53.8	43.1	64.7		
99	62.2	49.4	74.0		

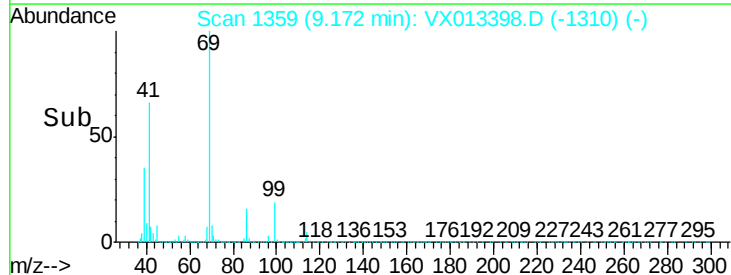
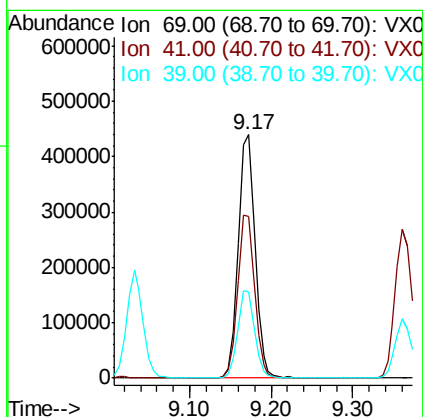
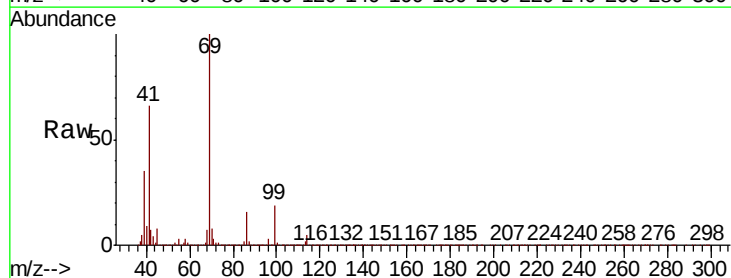
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#56
 Ethyl methacrylate
 Concen: 52.114 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX013398.D
 Acq: 13 Nov 2019 10:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		618278		
41	67.4	56.2	84.2		
39	35.8	31.1	46.7		





#57

1,3-Dichloropropane

Concen: 53.758 ug/l

RT: 9.36 min Scan# 1390

Delta R.T. -0.01 min

Lab File: VX013398.D

Acq: 13 Nov 2019 10:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 633336

Ion Ratio Lower Upper

76 100

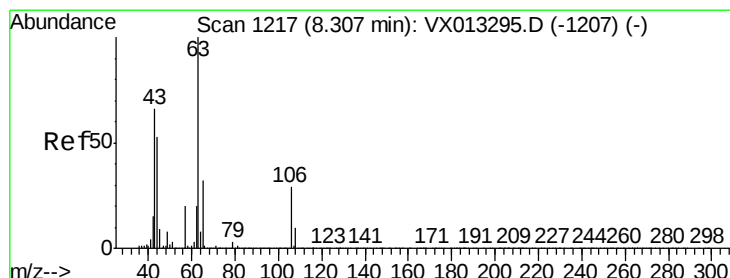
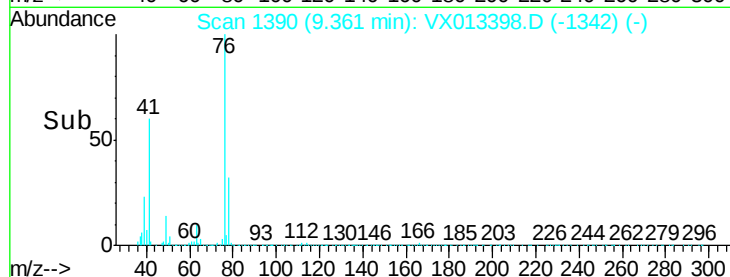
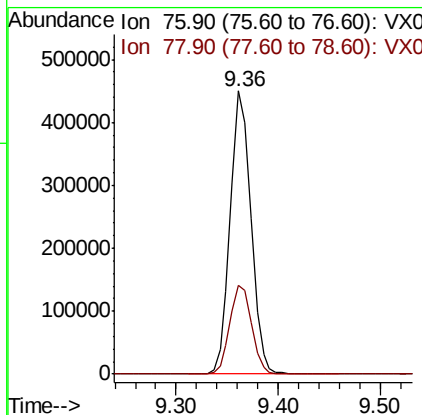
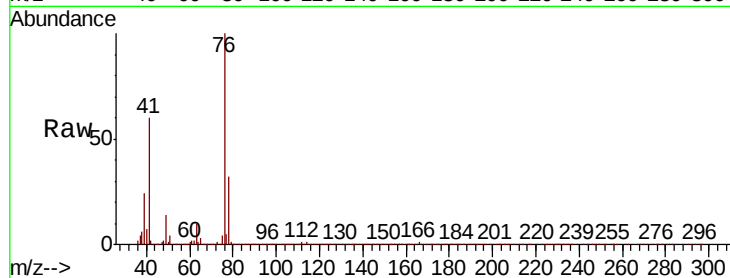
78 32.6 25.8 38.6

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#58

2-Chloroethyl Vinyl ether

Concen: 260.109 ug/l

RT: 8.30 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VX013398.D

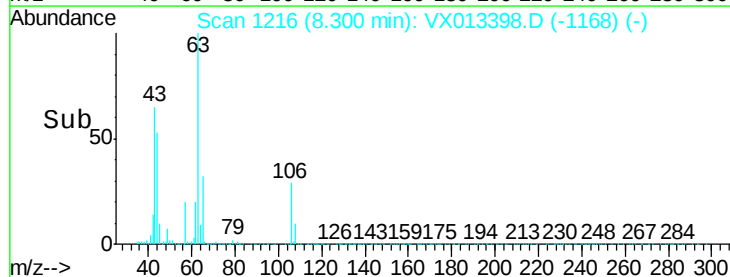
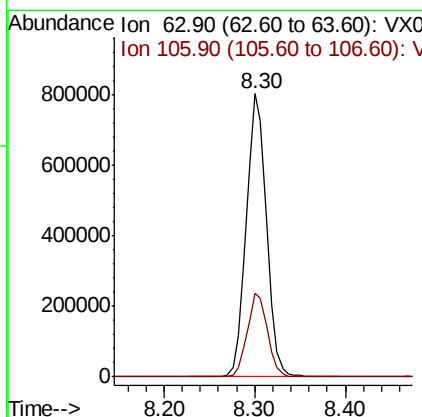
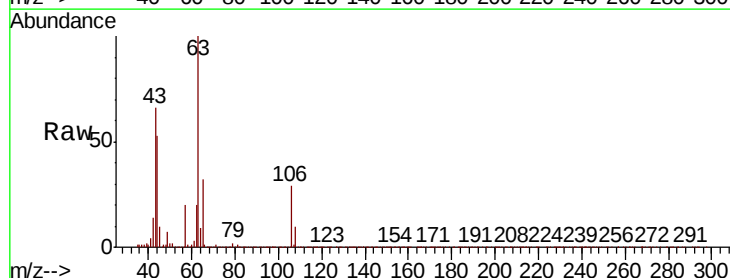
Acq: 13 Nov 2019 10:43

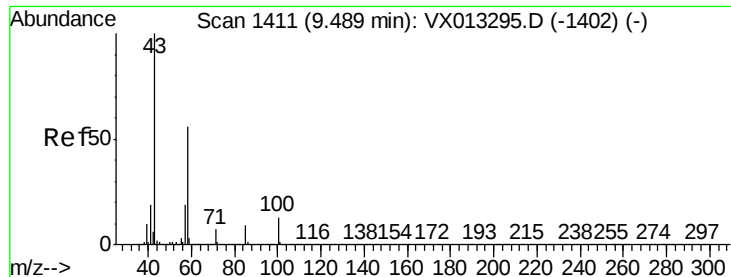
Tgt Ion: 63 Resp: 1234309

Ion Ratio Lower Upper

63 100

106 29.4 23.4 35.2





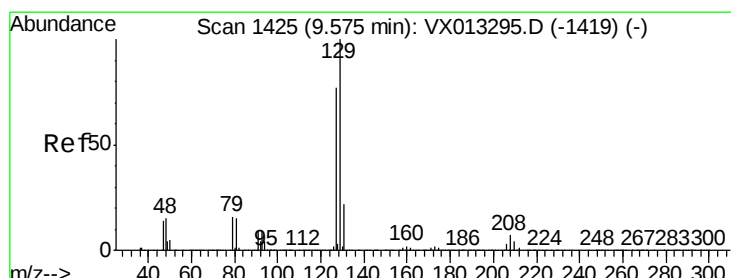
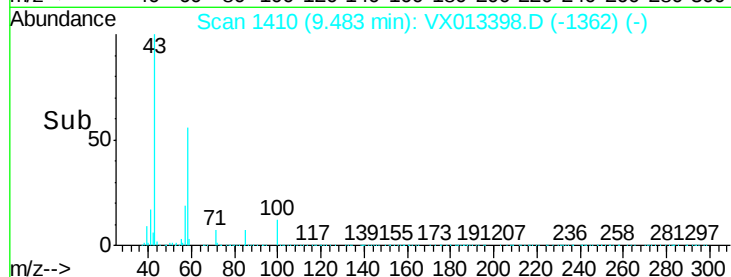
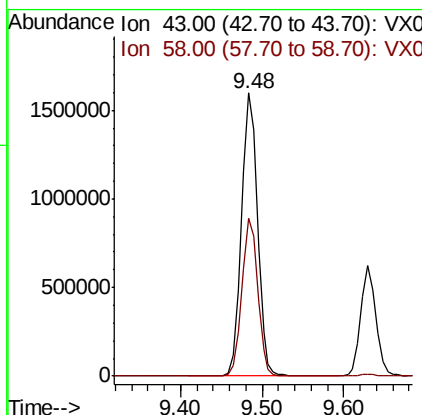
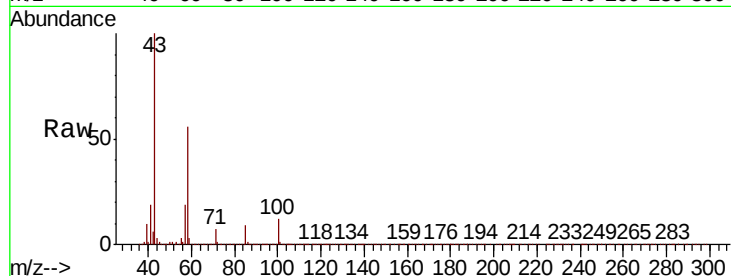
#59
2-Hexanone
Concen: 254.685 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.01 min
Lab File: VX013398.D
Acq: 13 Nov 2019 10:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 2154840
Ion Ratio Lower Upper
43 100
58 55.3 27.3 81.8

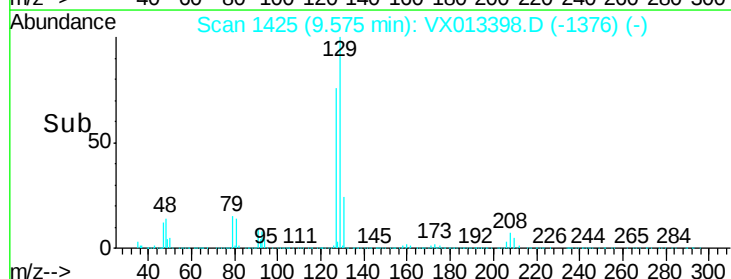
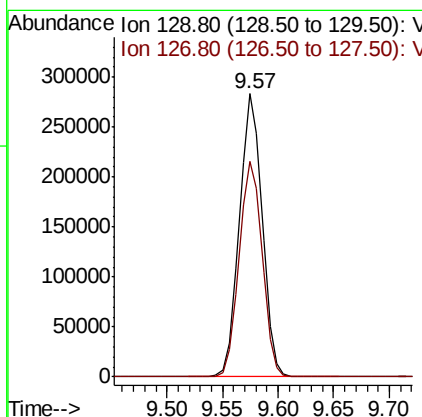
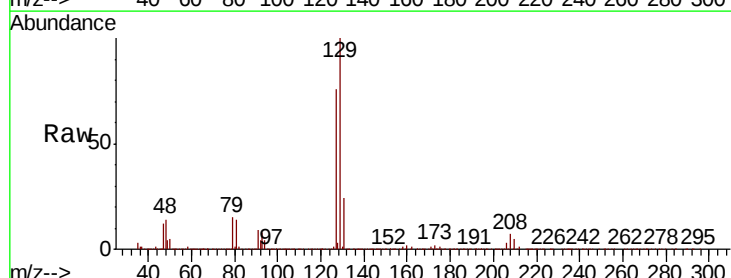
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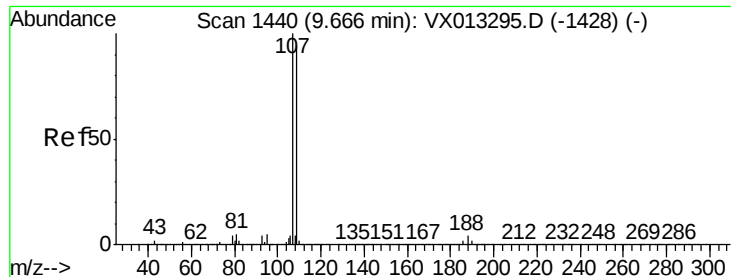
MMDadoda
11/14/2019 9:37:03 AM



#60
Dibromochloromethane
Concen: 56.608 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.00 min
Lab File: VX013398.D
Acq: 13 Nov 2019 10:43

Tgt Ion: 129 Resp: 401802
Ion Ratio Lower Upper
129 100
127 77.4 39.1 117.2





#61

1,2-Dibromoethane

Concen: 53.600 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX013398.D

Acq: 13 Nov 2019 10:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 395009

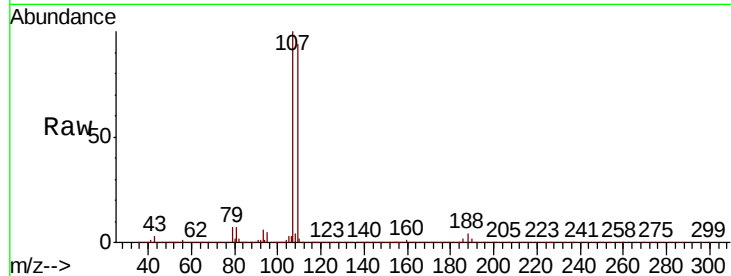
Ion Ratio Lower Upper

107 100

109 94.4 75.1 112.7

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

300000

250000

200000

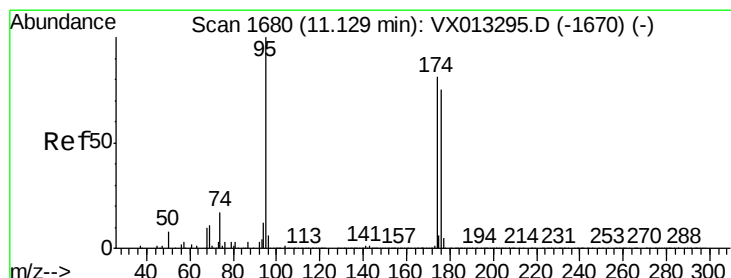
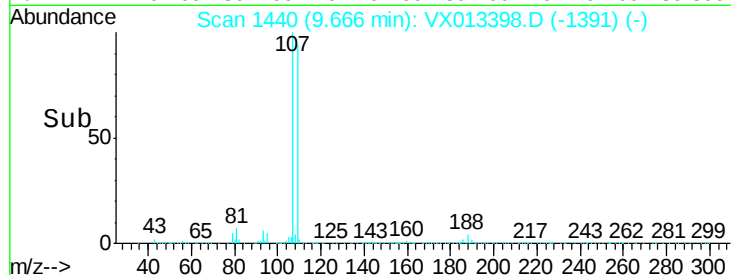
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 49.927 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX013398.D

Acq: 13 Nov 2019 10:43

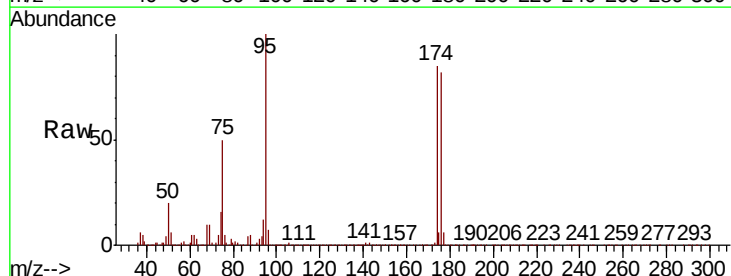
Tgt Ion: 95 Resp: 430728

Ion Ratio Lower Upper

95 100

174 89.9 0.0 179.8

176 86.0 0.0 173.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13

400000

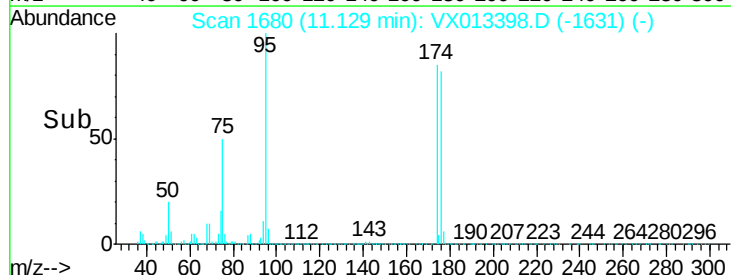
300000

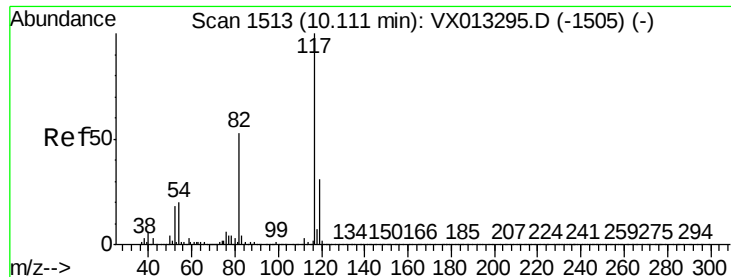
200000

100000

0

Time-->





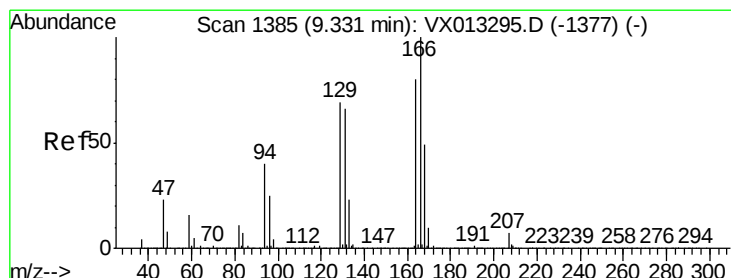
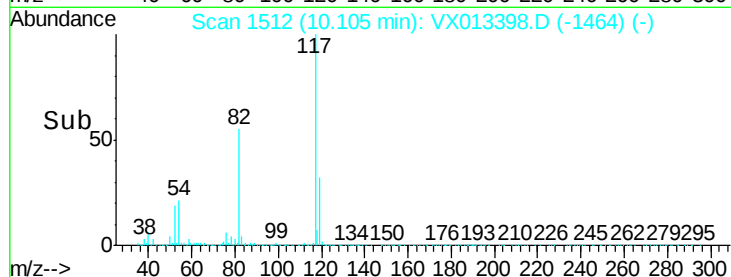
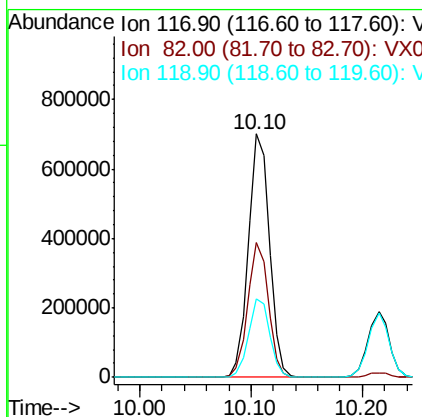
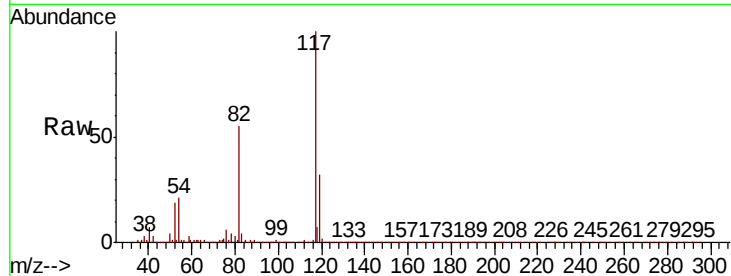
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX013398.D
Acq: 13 Nov 2019 10:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	923971		
82	55.4	42.6	64.0	
119	32.3	24.8	37.2	

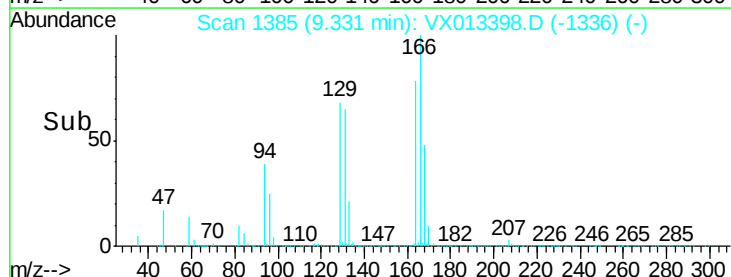
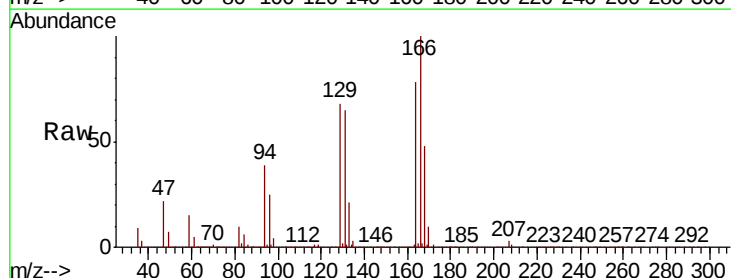
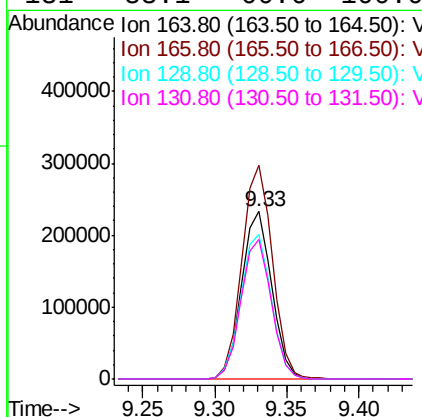
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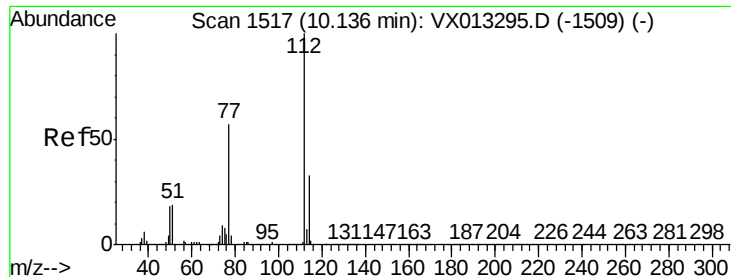
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#64
Tetrachloroethene
Concen: 50.622 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX013398.D
Acq: 13 Nov 2019 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	334836		
166	127.5	100.4	150.6	
129	86.3	69.4	104.2	
131	83.1	66.6	100.0	





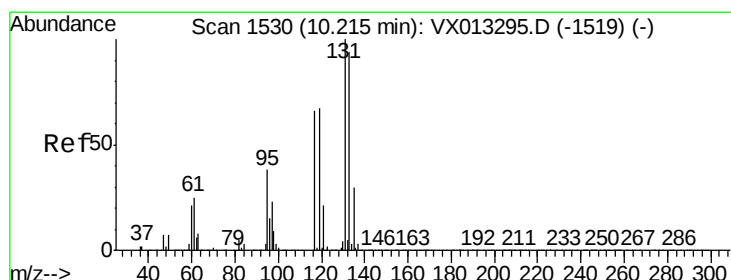
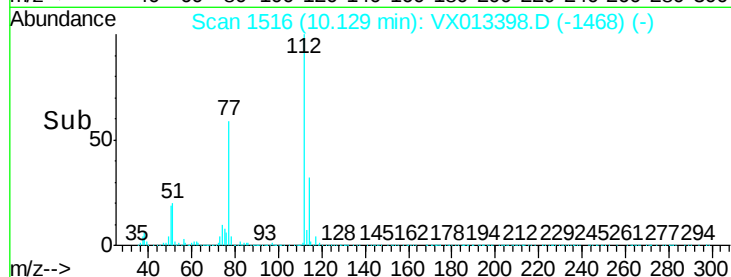
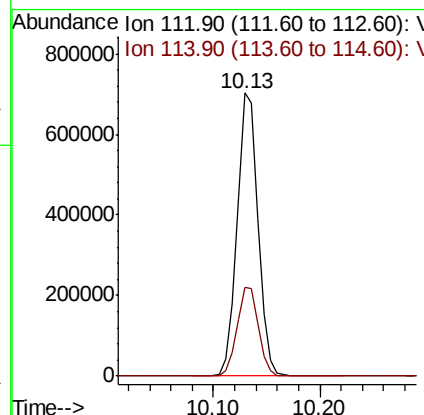
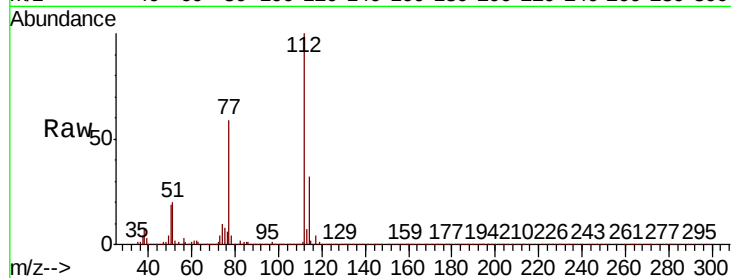
#65
Chlorobenzene
Concen: 51.830 ug/l
RT: 10.13 min Scan# 1516
Delta R.T. -0.01 min
Lab File: VX013398.D
Acq: 13 Nov 2019 10:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.5	26.4	39.6

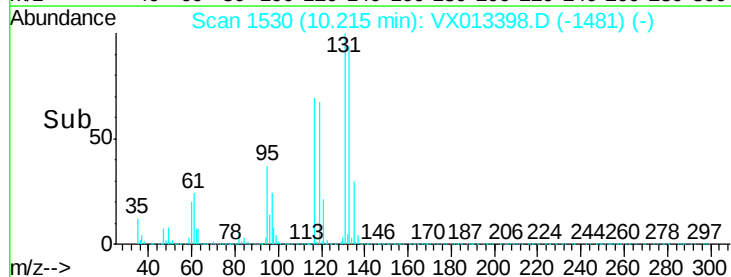
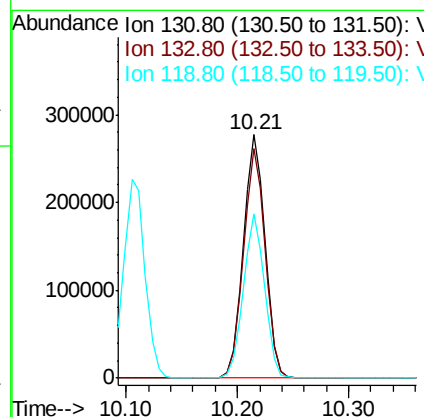
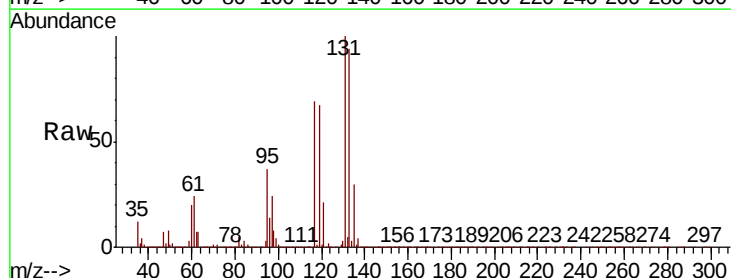
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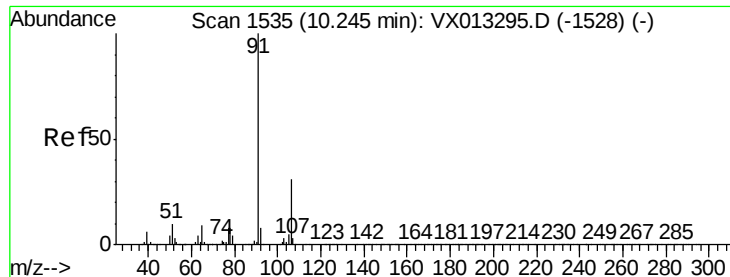
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#66
1,1,1,2-Tetrachloroethane
Concen: 54.230 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VX013398.D
Acq: 13 Nov 2019 10:43

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.2	48.0	144.0
119	65.6	33.0	99.0





#67

Ethyl Benzene

Concen: 52.611 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VX013398.D

Acq: 13 Nov 2019 10:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1698553

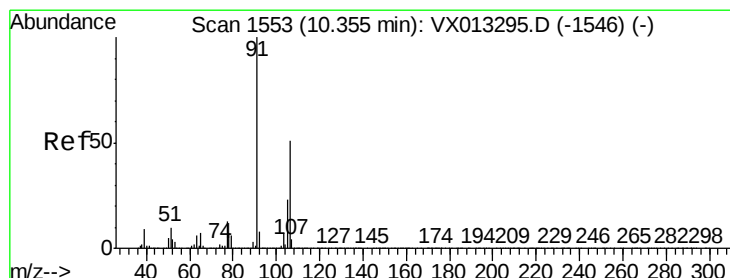
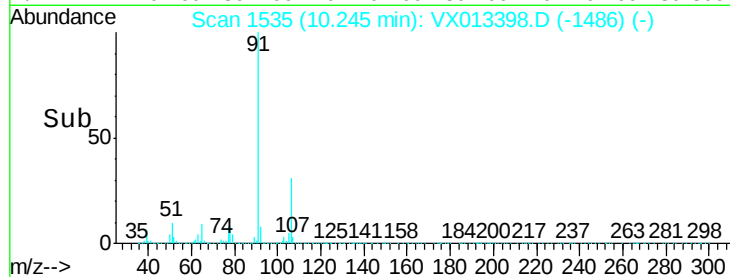
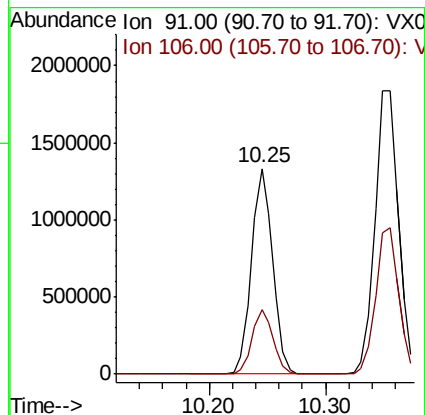
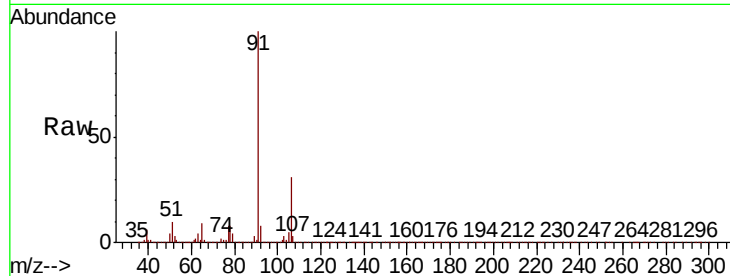
Ion Ratio Lower Upper

91 100

106 31.4 24.6 36.8

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#68

m/p-Xylenes

Concen: 107.072 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. -0.00 min

Lab File: VX013398.D

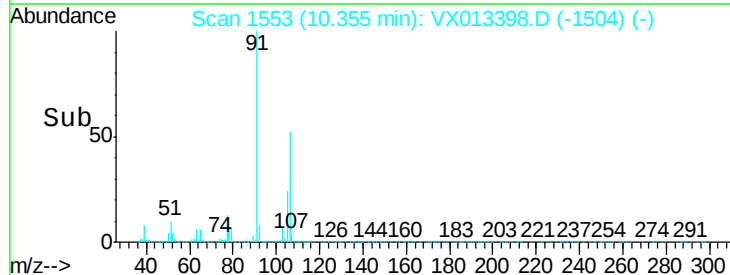
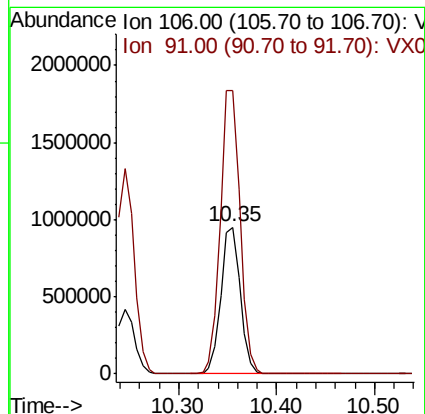
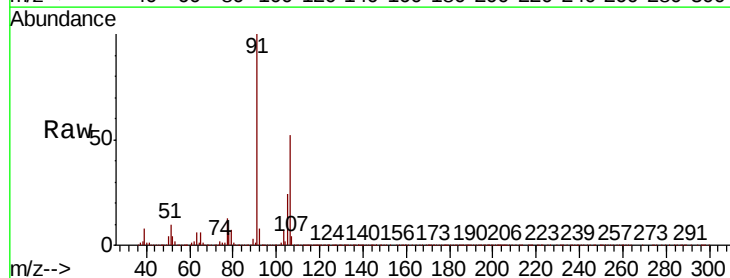
Acq: 13 Nov 2019 10:43

Tgt Ion: 106 Resp: 1307336

Ion Ratio Lower Upper

106 100

91 197.4 159.3 238.9





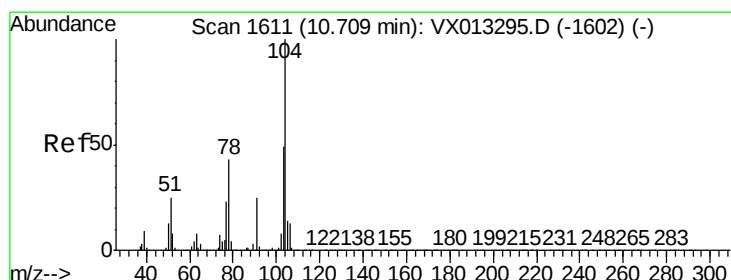
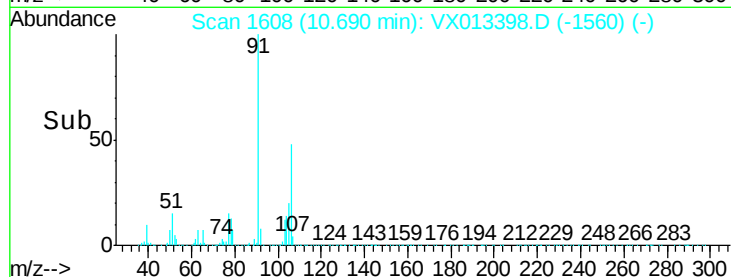
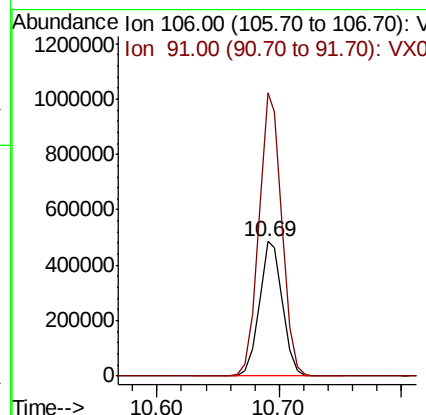
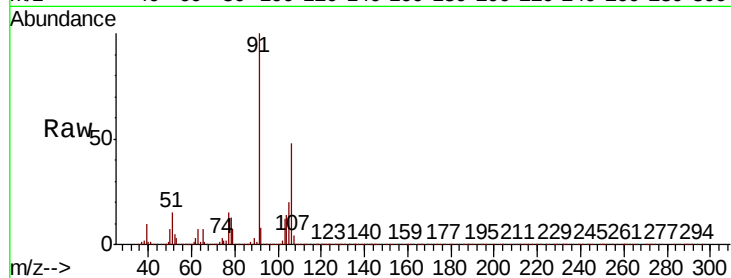
#69
o-Xylene
Concen: 53.575 ug/l
RT: 10.69 min Scan# 1608
Delta R.T. -0.01 min
Lab File: VX013398.D
Acq: 13 Nov 2019 10:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 640432
Ion Ratio Lower Upper
106 100
91 208.0 105.7 317.0

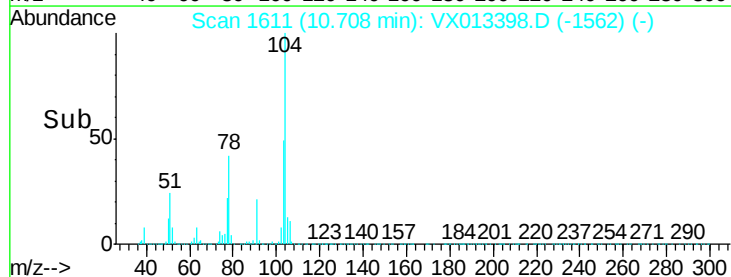
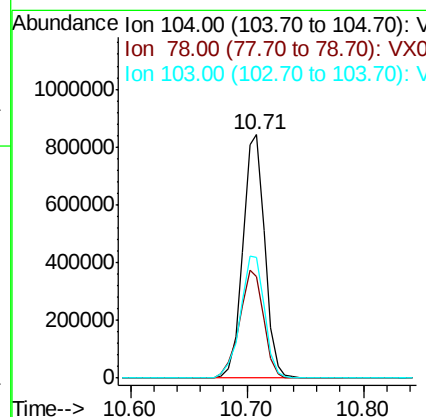
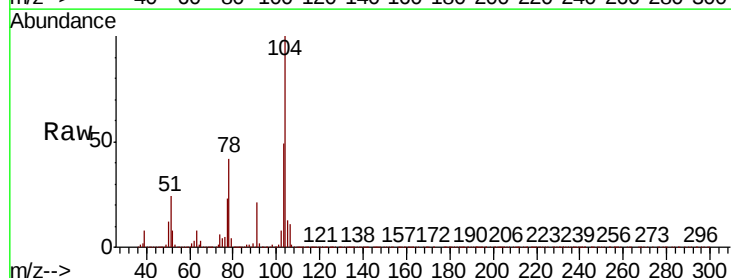
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#70
Styrene
Concen: 55.299 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX013398.D
Acq: 13 Nov 2019 10:43

Tgt Ion:104 Resp: 1104993
Ion Ratio Lower Upper
104 100
78 48.8 40.0 60.0
103 54.8 44.1 66.1





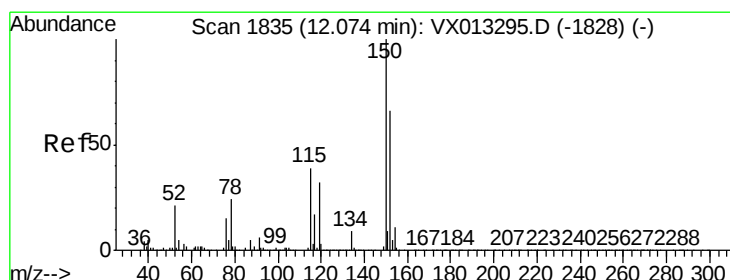
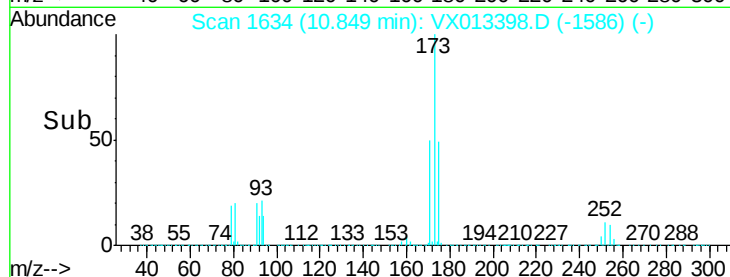
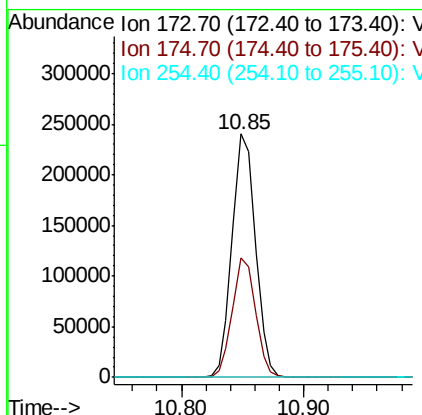
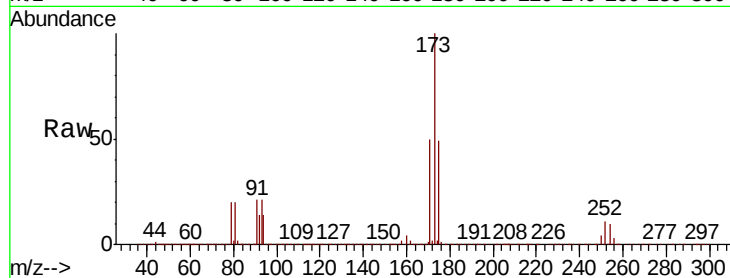
#71
Bromoform
Concen: 49.912 ug/l
RT: 10.85 min Scan# 1634
Delta R.T. -0.01 min
Lab File: VX013398.D
Acq: 13 Nov 2019 10:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.8	74.4
254	0.2	0.2	0.2

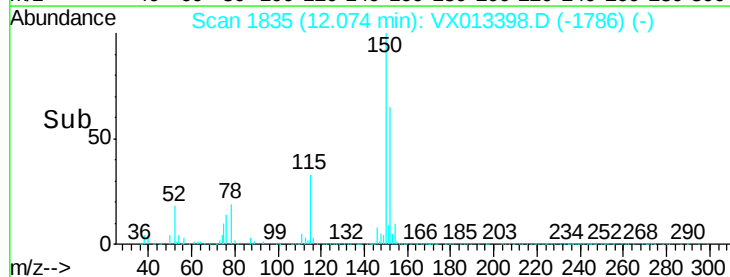
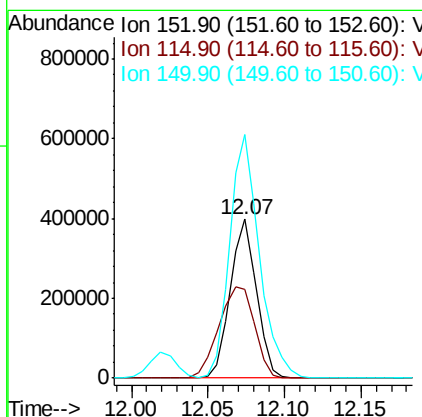
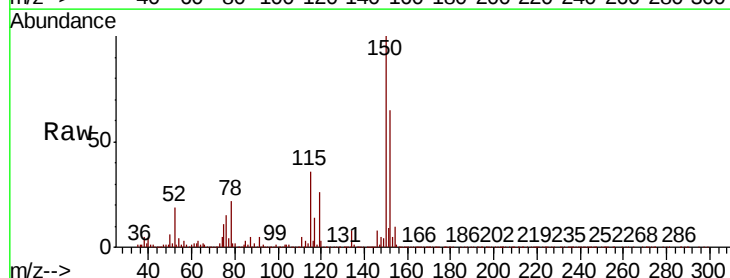
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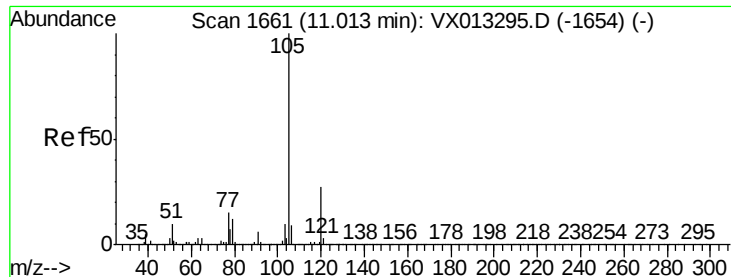
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX013398.D
Acq: 13 Nov 2019 10:43

Tgt Ion	Ratio	Lower	Upper
152	100		
115	78.7	39.5	118.3
150	173.2	0.0	344.4





#73

Isopropylbenzene

Concen: 53.309 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX013398.D

Acq: 13 Nov 2019 10:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1666428

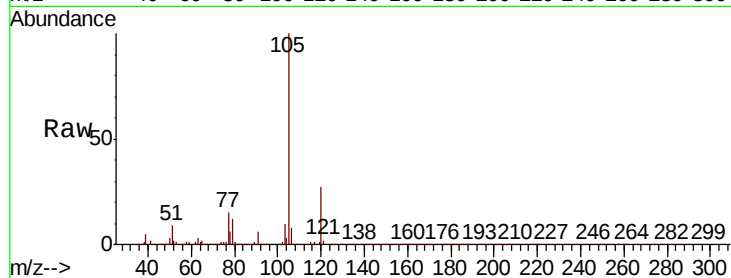
Ion Ratio Lower Upper

105 100

120 27.2 13.5 40.5

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

1500000

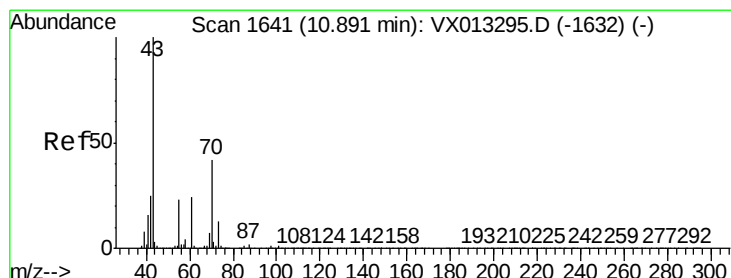
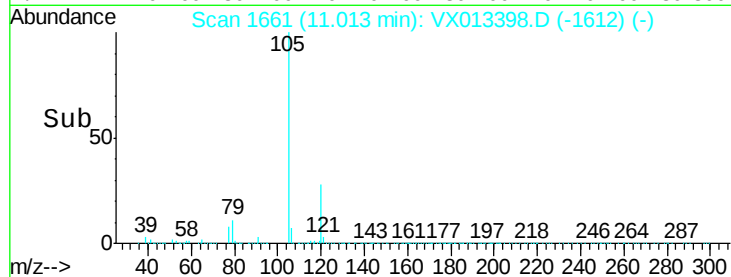
11.01

1000000

500000

0

Time--> 10.90 11.00 11.10



#74

N-ethyl acetate

Concen: 55.031 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX013398.D

Acq: 13 Nov 2019 10:43

Tgt Ion: 43 Resp: 797733

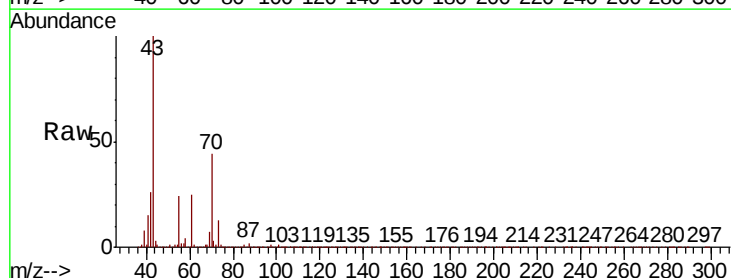
Ion Ratio Lower Upper

43 100

70 43.7 34.1 51.1

55 24.0 18.9 28.3

61 24.9 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

1000000

800000

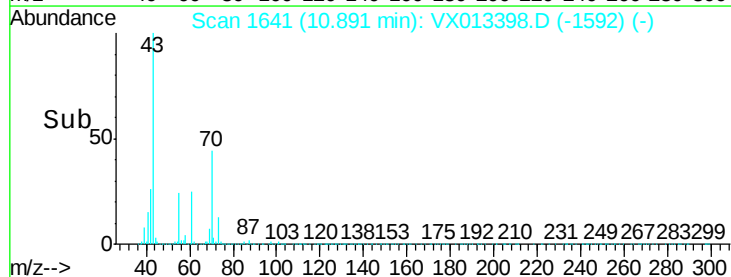
600000

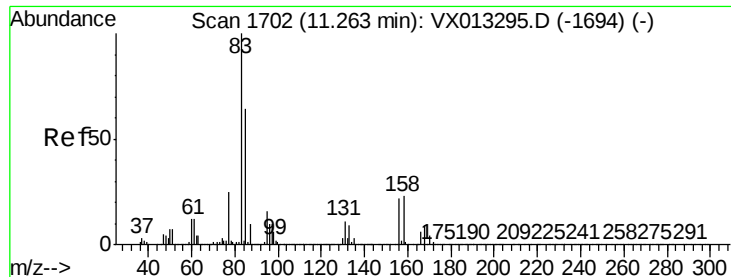
400000

200000

0

Time--> 10.80 10.90 11.00





#75

1,1,2,2-Tetrachloroethane

Concen: 52.418 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX013398.D

Acq: 13 Nov 2019 10:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 597776

Ion Ratio Lower Upper

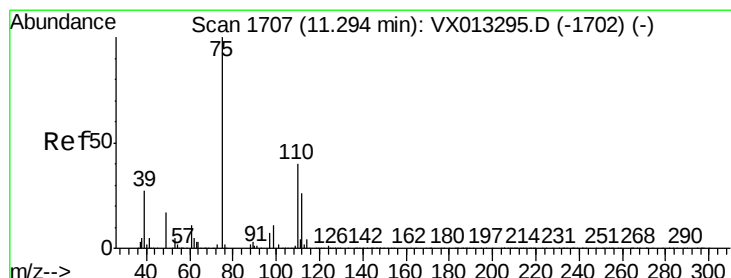
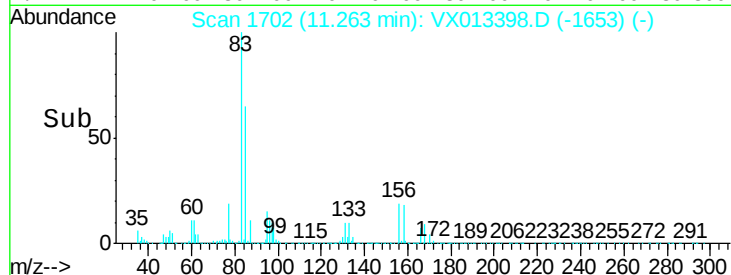
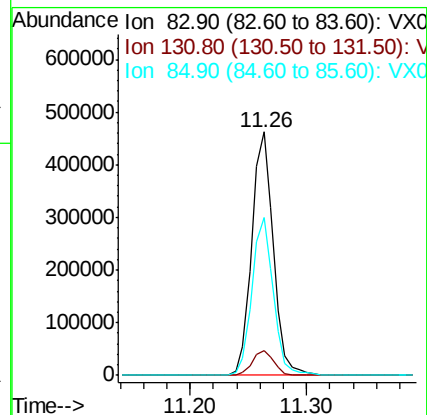
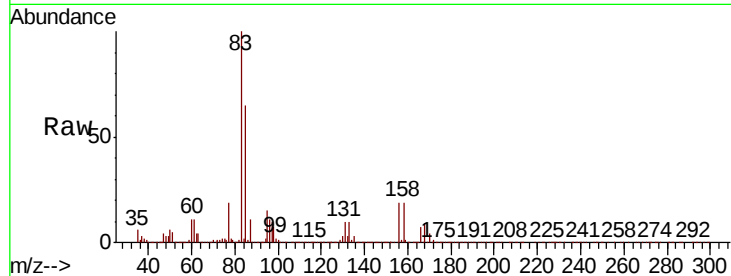
83 100

131 10.2 5.1 15.3

85 64.6 32.3 96.8

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#76

1,2,3-Trichloropropane

Concen: 50.571 ug/l m

RT: 11.29 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VX013398.D

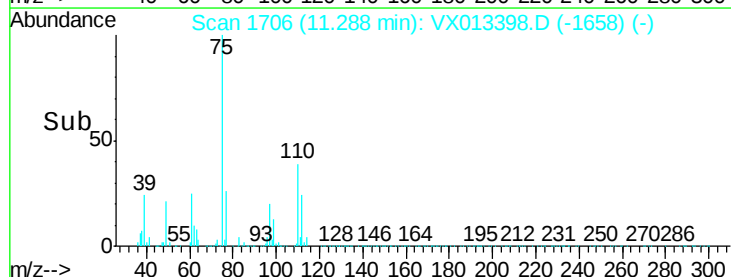
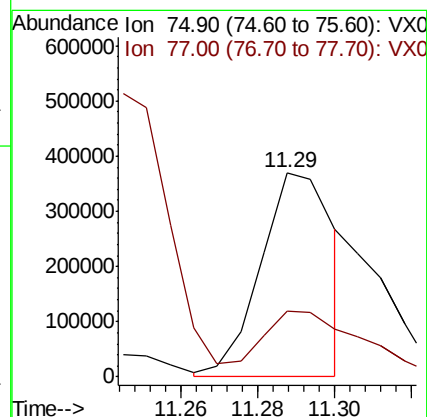
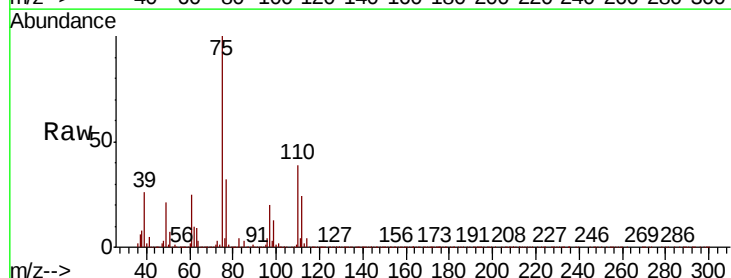
Acq: 13 Nov 2019 10:43

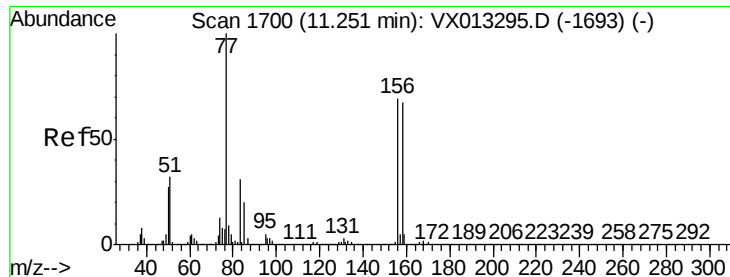
Tgt Ion: 75 Resp: 484292

Ion Ratio Lower Upper

75 100

77 45.1 22.3 66.8





#77

Bromobenzene

Concen: 54.236 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX013398.D

Acq: 13 Nov 2019 10:43

Instrument :

MSVOA_X

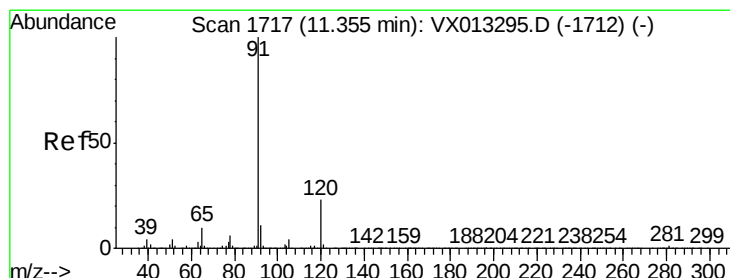
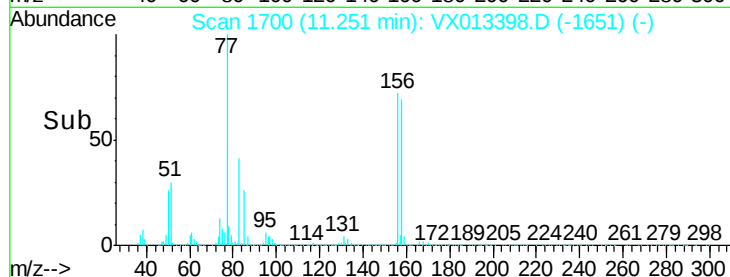
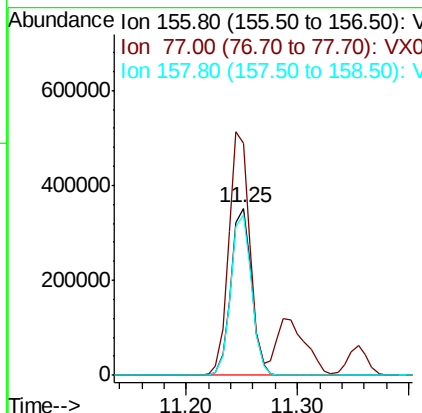
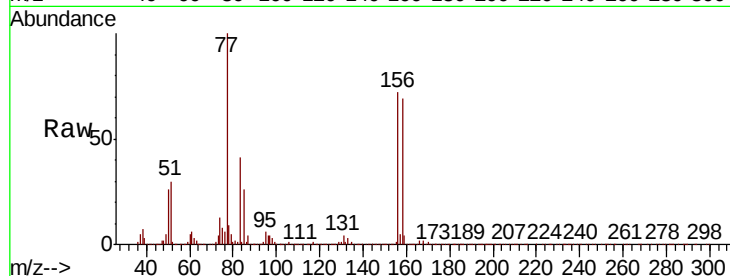
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	451977
Ion Ratio	Lower	Upper	
156	100		
77	146.4	75.8	227.4
158	96.8	47.6	142.8

Manual Integrations
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#78

n-propylbenzene

Concen: 54.784 ug/l

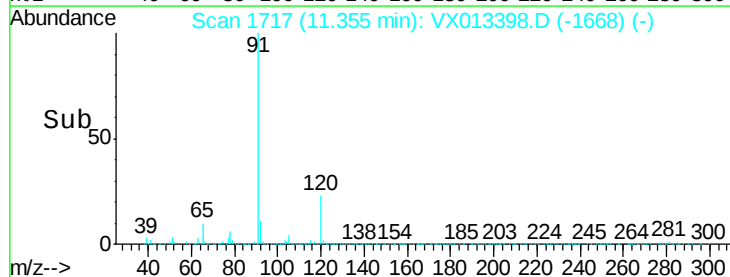
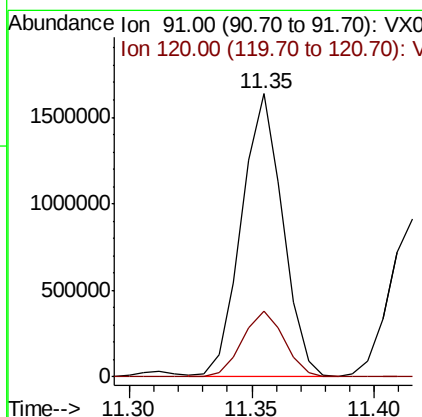
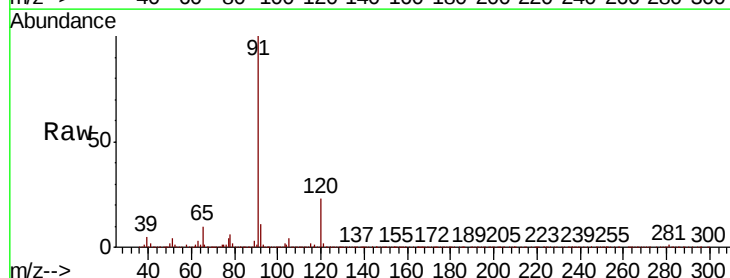
RT: 11.35 min Scan# 1717

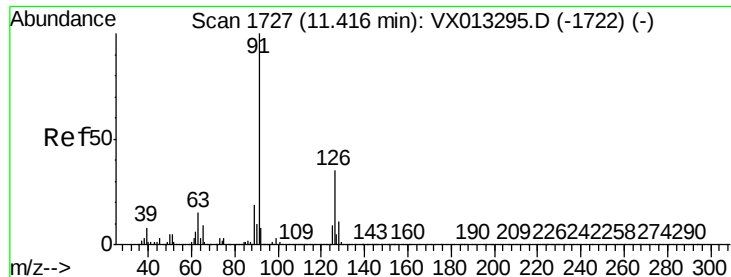
Delta R.T. -0.00 min

Lab File: VX013398.D

Acq: 13 Nov 2019 10:43

Tgt Ion:	91	Resp:	1907665
Ion Ratio	Lower	Upper	
91	100		
120	23.7	11.6	34.8





#79

2-Chlorotoluene

Concen: 53.044 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX013398.D

Acq: 13 Nov 2019 10:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1112873

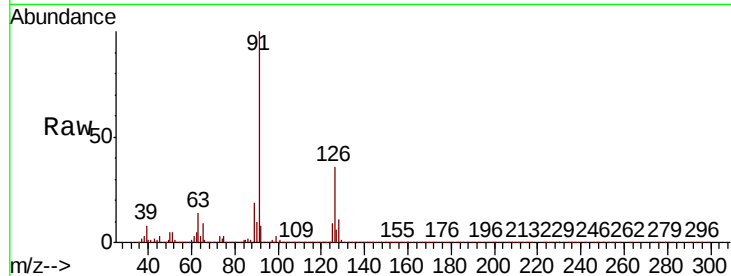
Ion Ratio Lower Upper

91 100

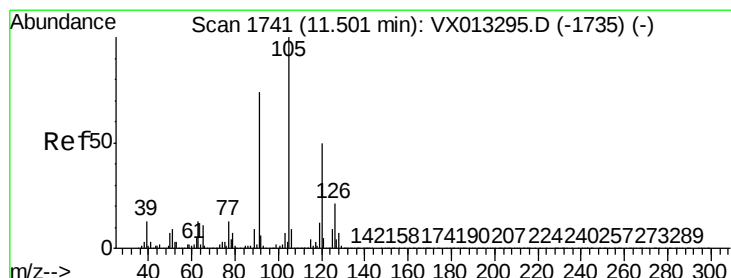
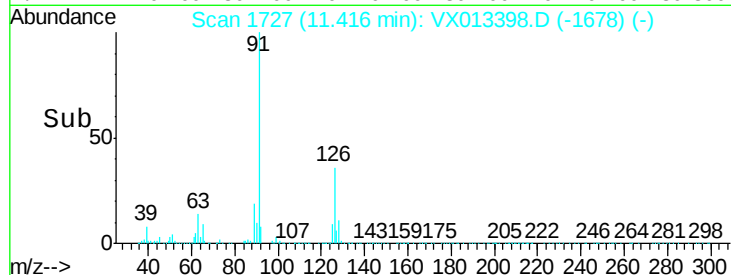
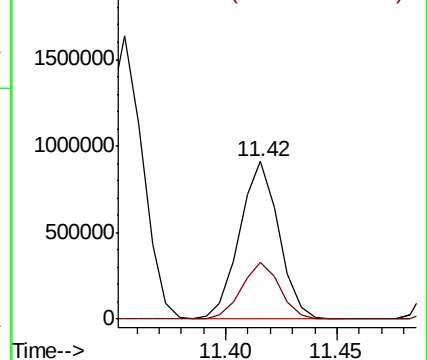
126 35.5 17.3 52.0

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VX013398.D (-1678) (-)



#80

1,3,5-Trimethylbenzene

Concen: 54.491 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX013398.D

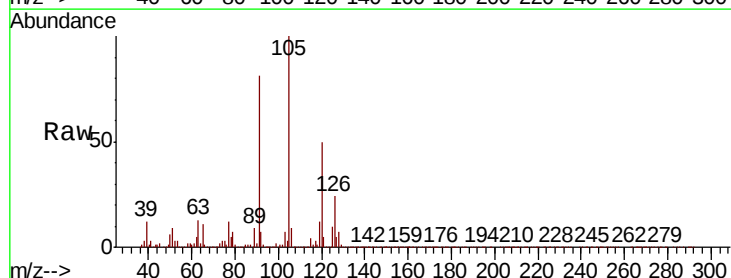
Acq: 13 Nov 2019 10:43

Tgt Ion: 105 Resp: 1418828

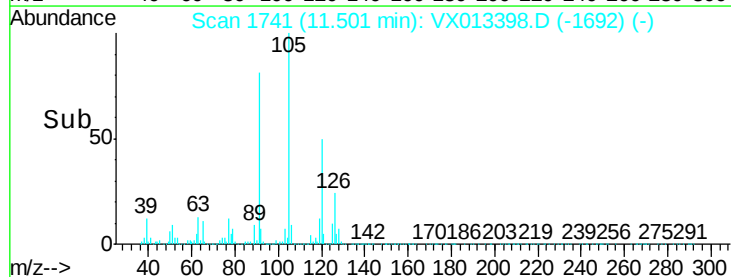
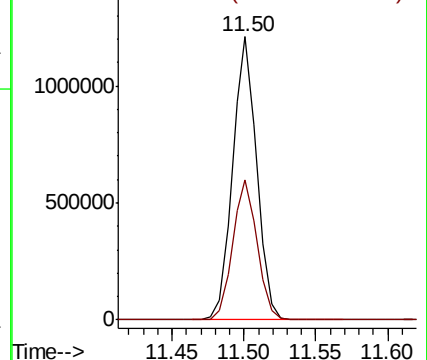
Ion Ratio Lower Upper

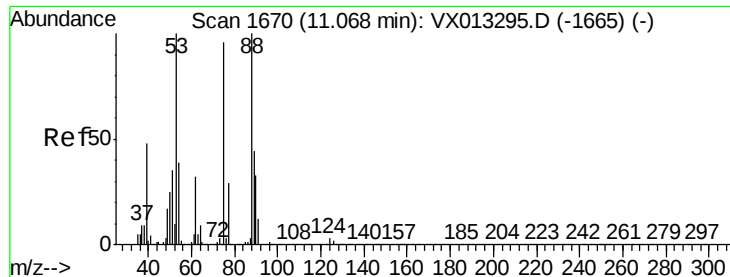
105 100

120 50.3 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): VX013398.D (-1692) (-)





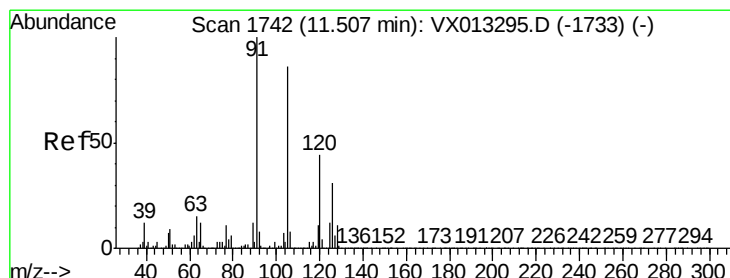
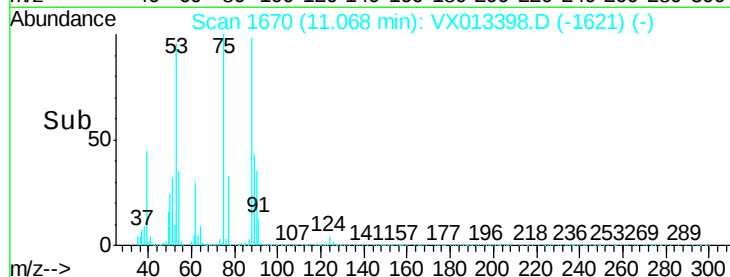
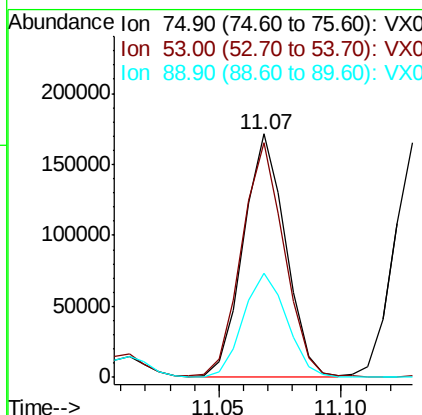
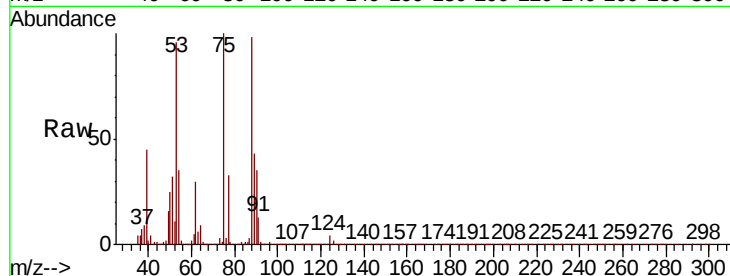
#81
trans-1,4-Dichloro-2-butene
Concen: 54.857 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VX013398.D
Acq: 13 Nov 2019 10:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	97.3	81.0	121.6
89	44.8	36.0	54.0

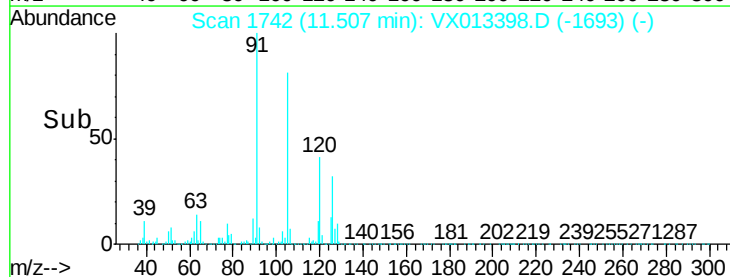
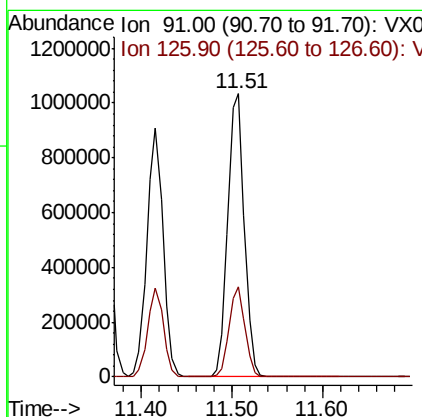
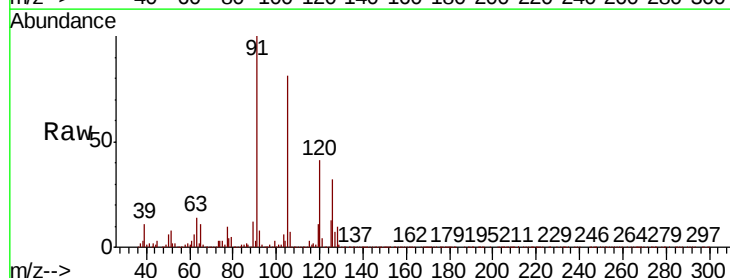
Manual Integrations
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#82
4-Chlorotoluene
Concen: 53.347 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX013398.D
Acq: 13 Nov 2019 10:43

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.5	15.3	45.8





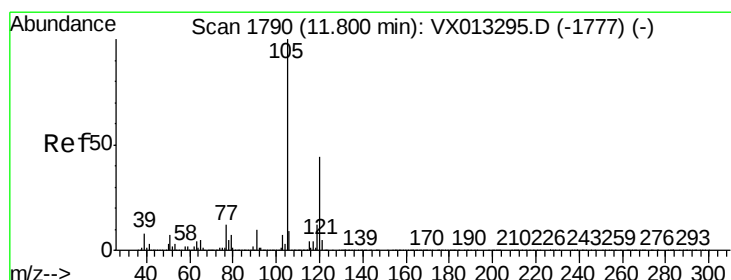
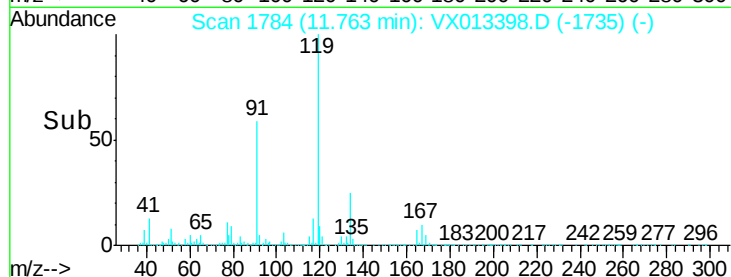
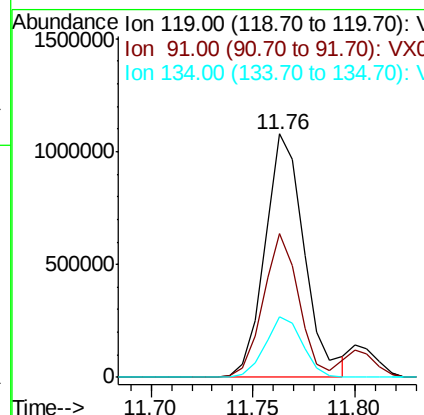
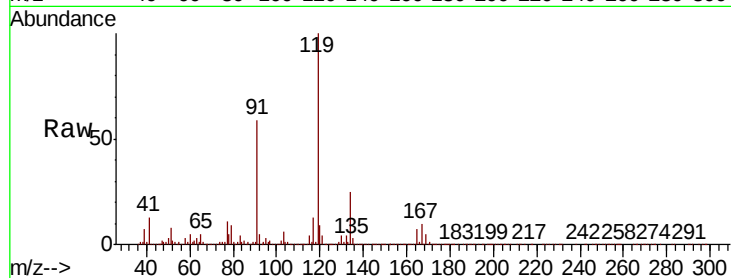
#83
tert-Butylbenzene
Concen: 55.216 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. -0.00 min
Lab File: VX013398.D
Acq: 13 Nov 2019 10:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	53.3	26.9	80.7
134	23.6	11.7	35.1

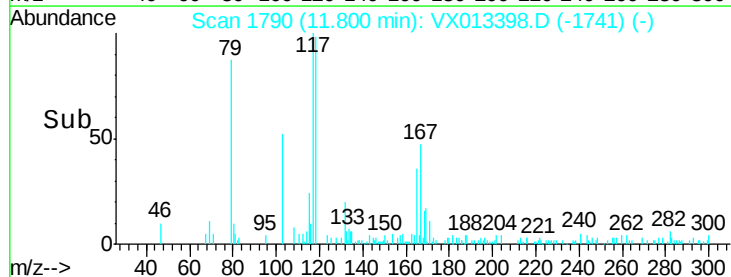
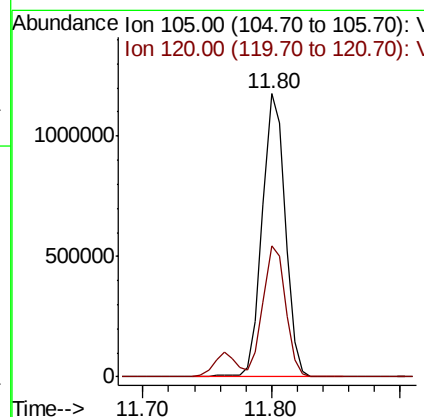
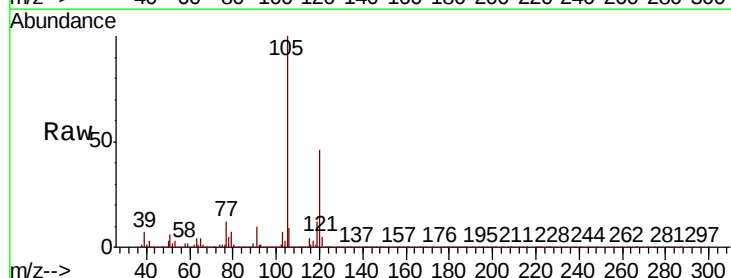
Manual Integrations
APPROVED

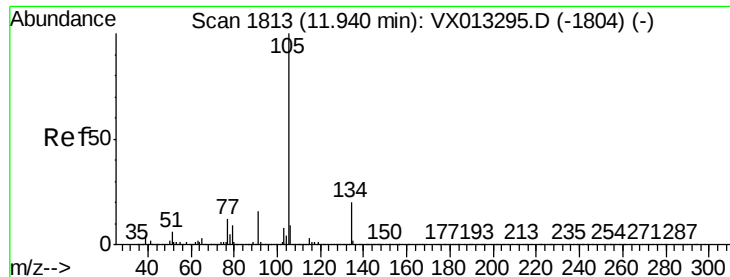
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#84
1,2,4-Trimethylbenzene
Concen: 55.181 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. -0.00 min
Lab File: VX013398.D
Acq: 13 Nov 2019 10:43

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	22.7	68.1





#85

sec-Butylbenzene

Concen: 53.989 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX013398.D

Acq: 13 Nov 2019 10:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1626360

Ion Ratio Lower Upper

105 100

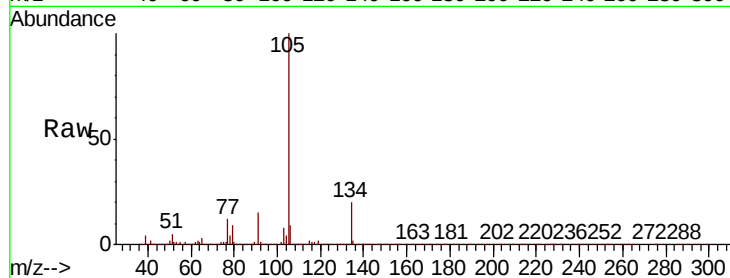
134 20.4 10.3 30.9

Manual Integrations

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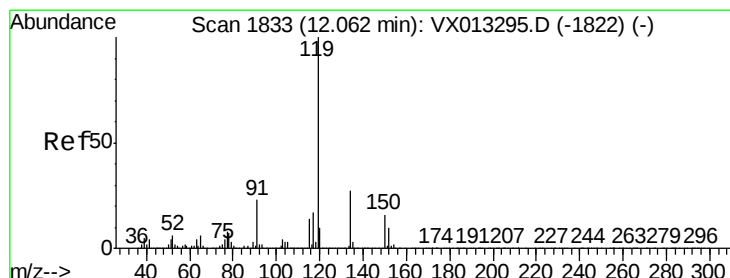
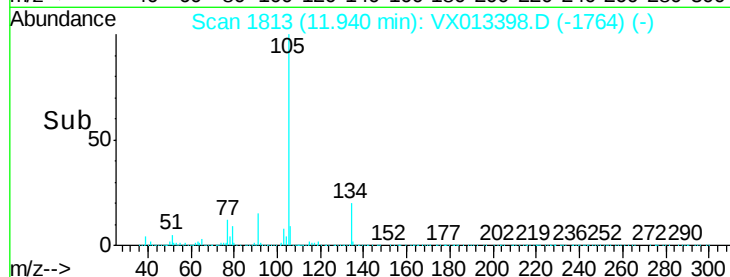
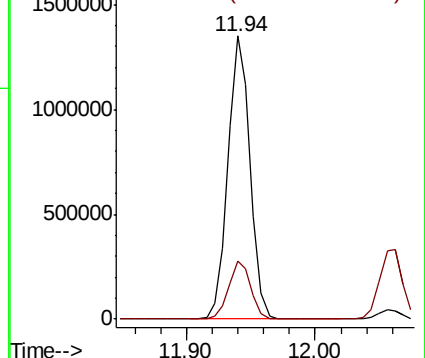
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 55.015 ug/l

RT: 12.06 min Scan# 1832

Delta R.T. -0.01 min

Lab File: VX013398.D

Acq: 13 Nov 2019 10:43

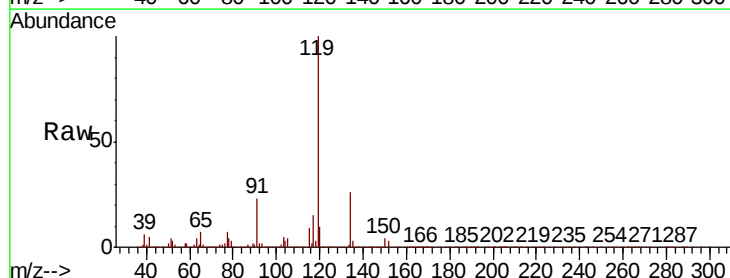
Tgt Ion:119 Resp: 1526041

Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.8

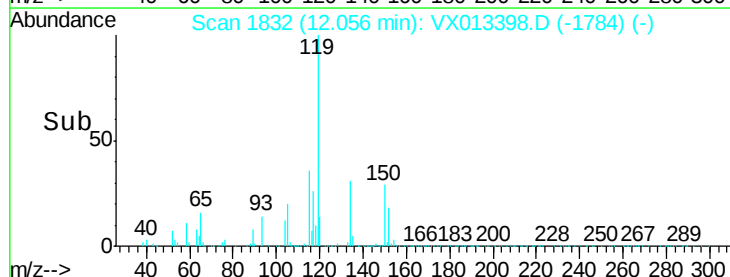
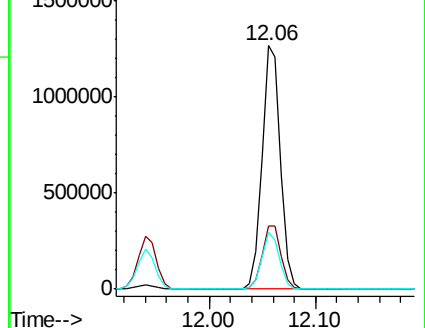
91 22.6 11.5 34.4

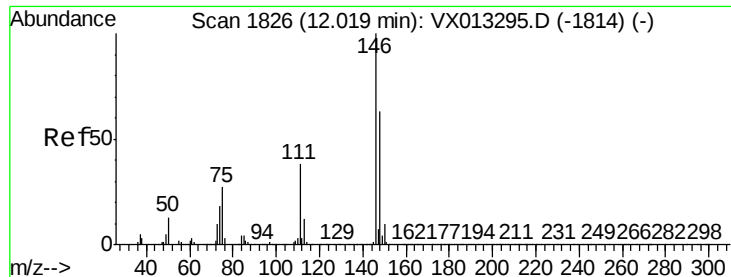


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





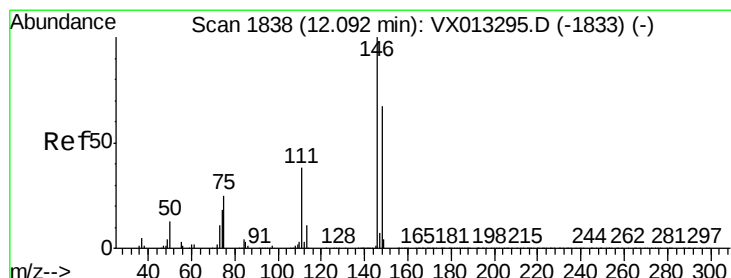
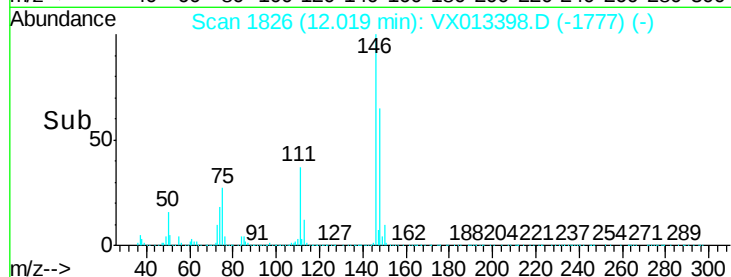
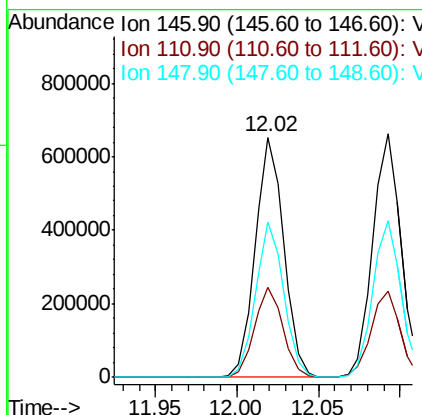
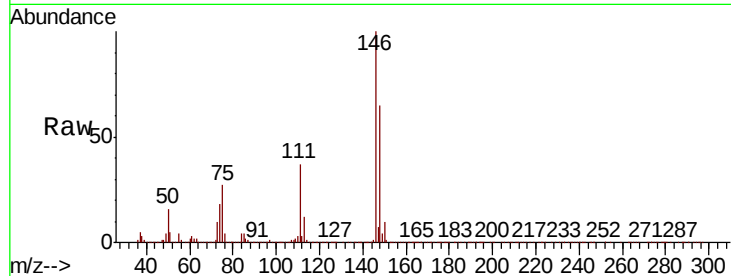
#87
 1,3-Dichlorobenzene
 Concen: 53.586 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX013398.D
 Acq: 13 Nov 2019 10:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.9	56.5
148	63.4	31.9	95.7

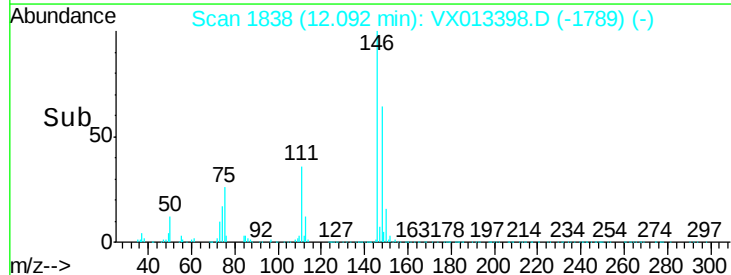
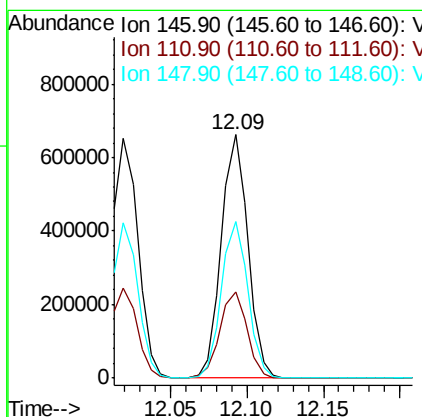
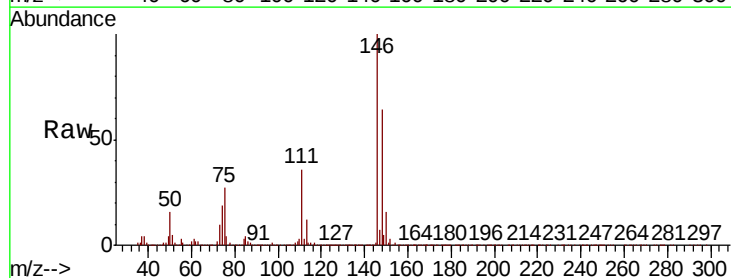
Manual Integrations
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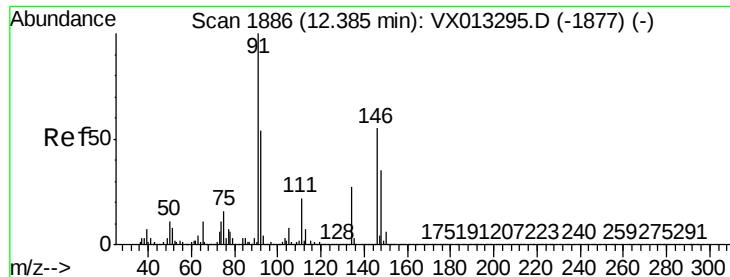
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#88
 1,4-Dichlorobenzene
 Concen: 52.699 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX013398.D
 Acq: 13 Nov 2019 10:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.8	56.4
148	64.4	32.4	97.0





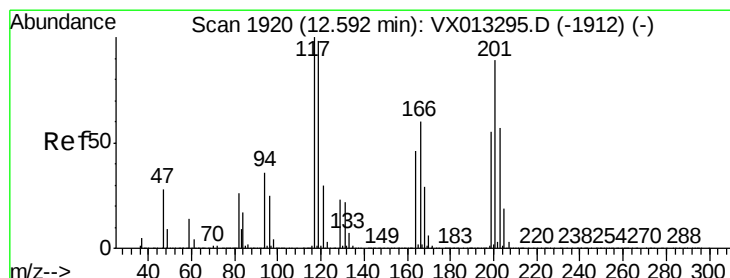
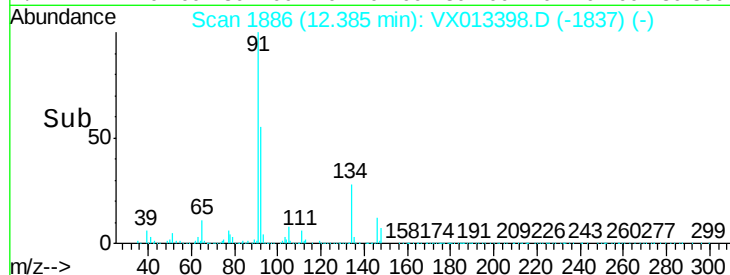
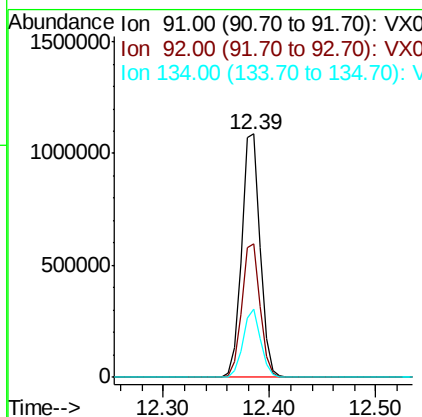
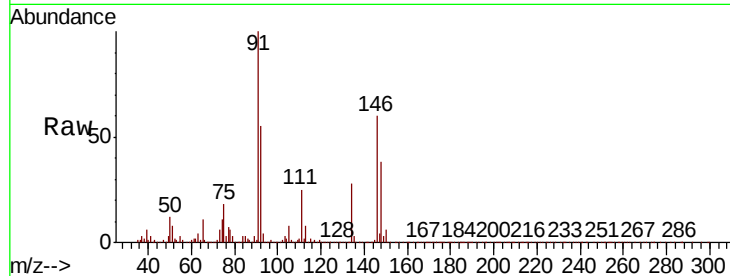
#89
n-Butylbenzene
Concen: 54.596 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX013398.D
Acq: 13 Nov 2019 10:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.6	27.3	81.8
134	26.8	13.5	40.5

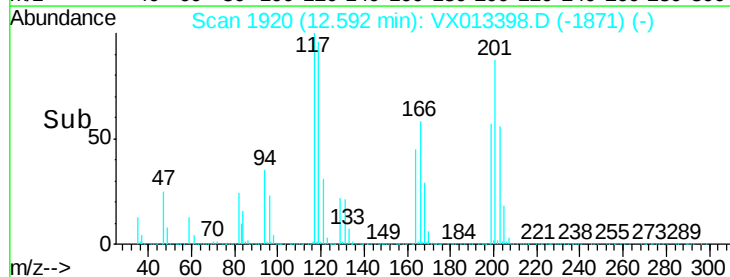
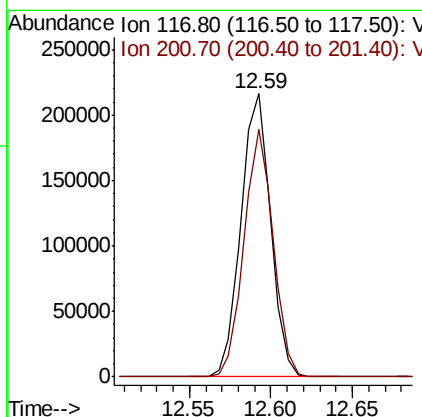
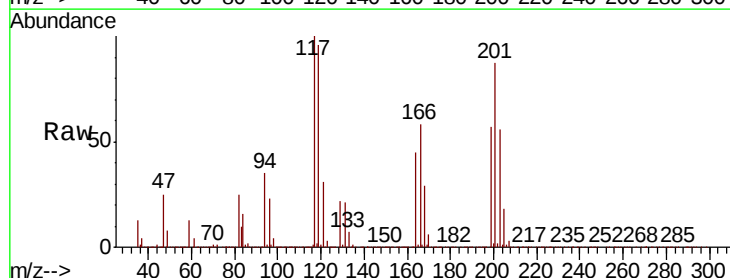
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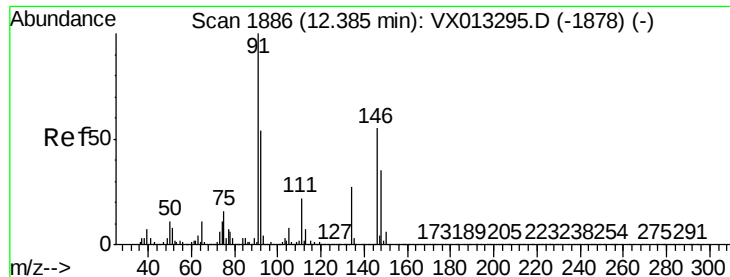
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#90
Hexachloroethane
Concen: 55.471 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX013398.D
Acq: 13 Nov 2019 10:43

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.1	43.9	131.7





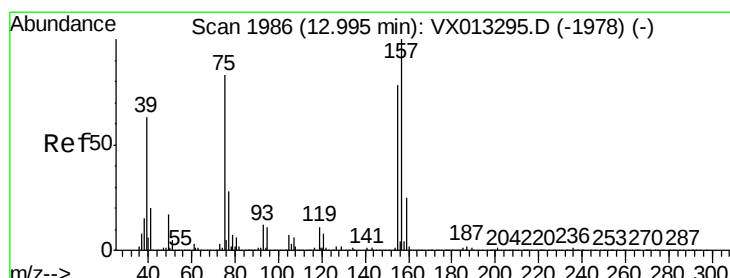
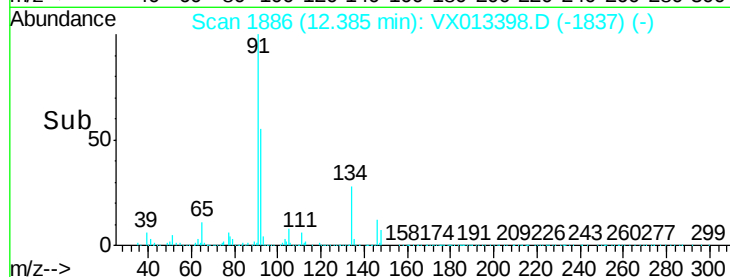
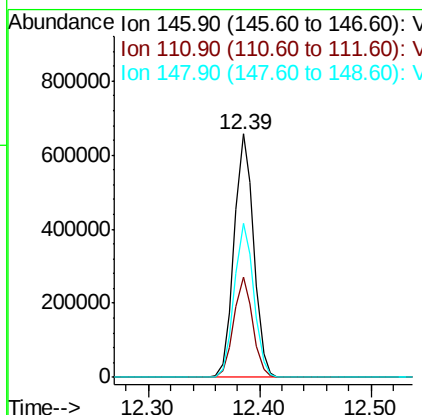
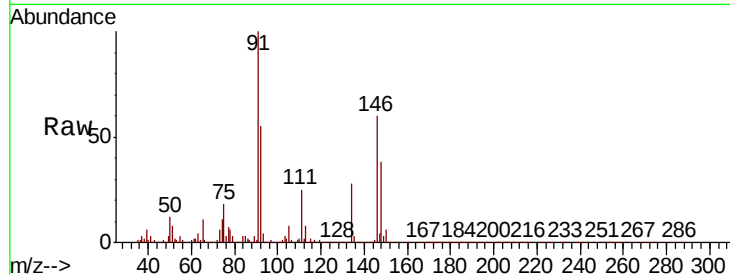
#91
 1,2-Dichlorobenzene
 Concen: 53.692 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX013398.D
 Acq: 13 Nov 2019 10:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	797257		
111	40.0	20.1	60.2	
148	63.4	32.0	96.0	

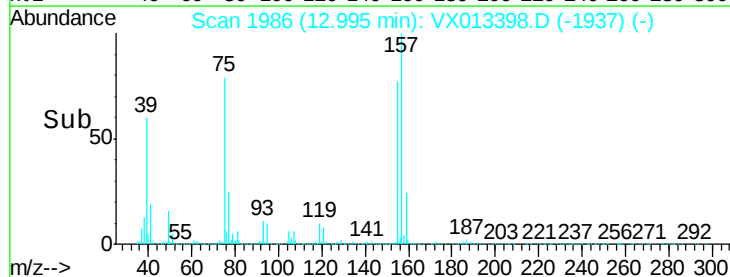
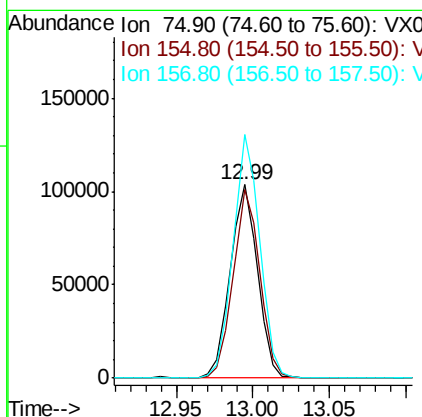
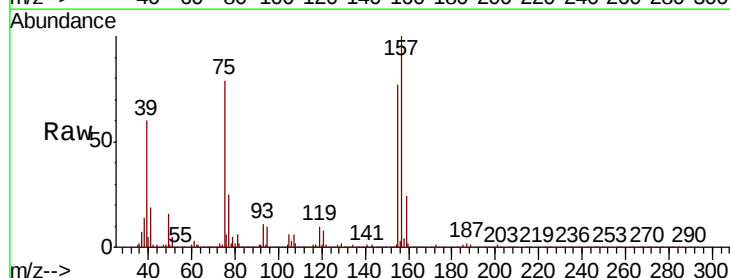
Manual Integrations
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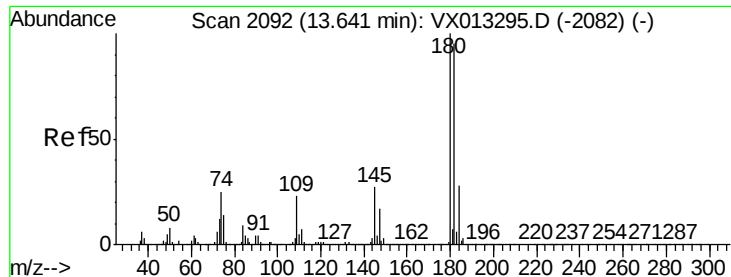
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.900 ug/l
 RT: 12.99 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX013398.D
 Acq: 13 Nov 2019 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	127528		
155	96.2	47.1	141.4	
157	123.6	61.3	183.8	





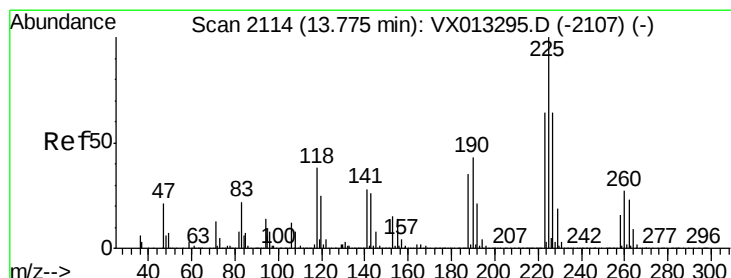
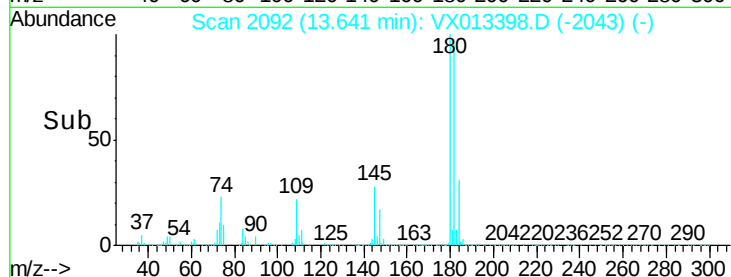
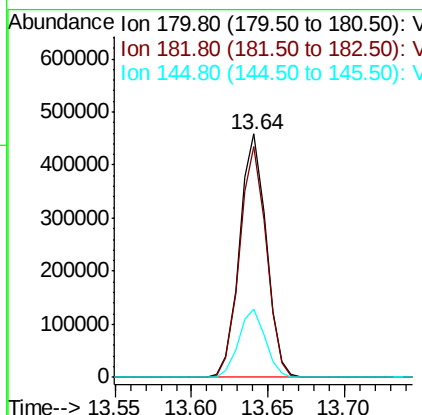
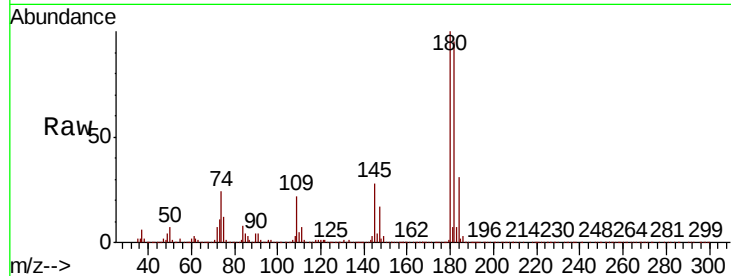
#93
1,2,4-Trichlorobenzene
Concen: 53.424 ug/l
RT: 13.64 min Scan# 2092
Delta R.T. -0.00 min
Lab File: VX013398.D
Acq: 13 Nov 2019 10:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	48.4	145.0
145	28.0	14.1	42.4

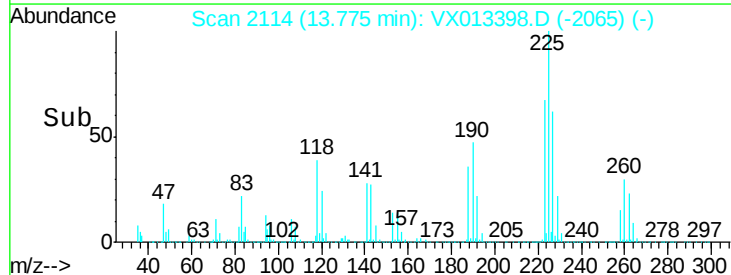
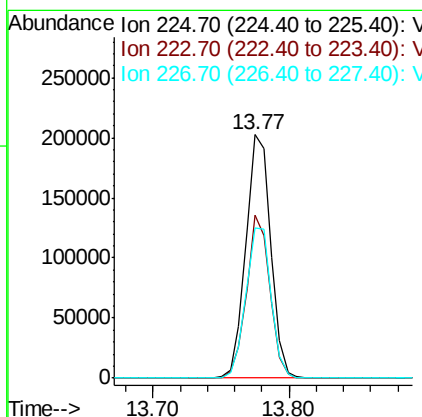
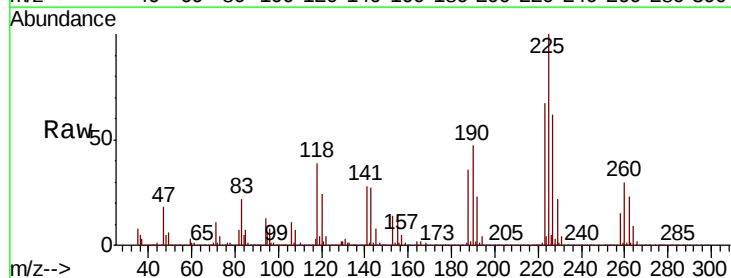
Manual Integrations
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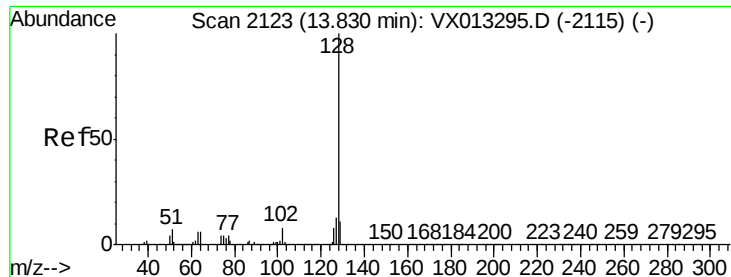
MMDadoda
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#94
Hexachlorobutadiene
Concen: 51.120 ug/l
RT: 13.77 min Scan# 2114
Delta R.T. -0.00 min
Lab File: VX013398.D
Acq: 13 Nov 2019 10:43

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.9	95.7
227	63.1	31.9	95.9





#95

Naphthalene

Concen: 52.619 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. -0.00 min

Lab File: VX013398.D

Acq: 13 Nov 2019 10:43

Instrument :

MSVOA_X

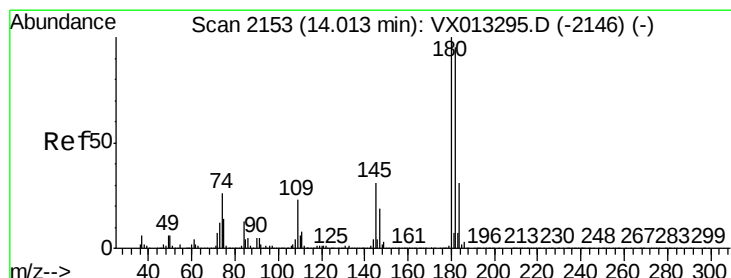
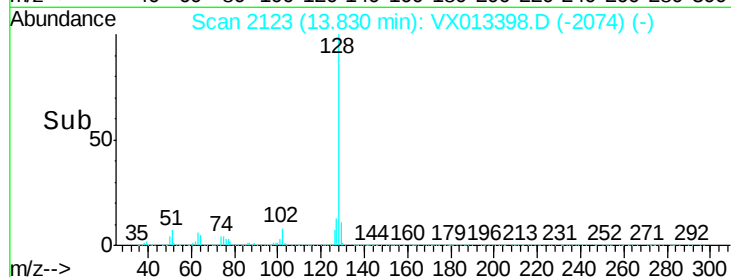
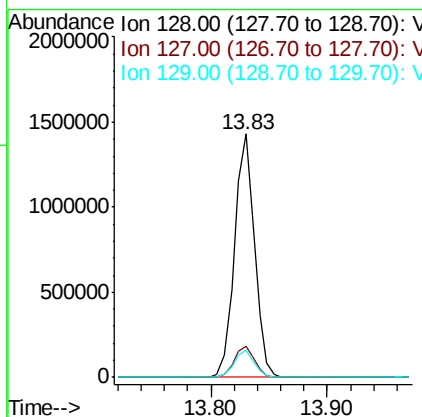
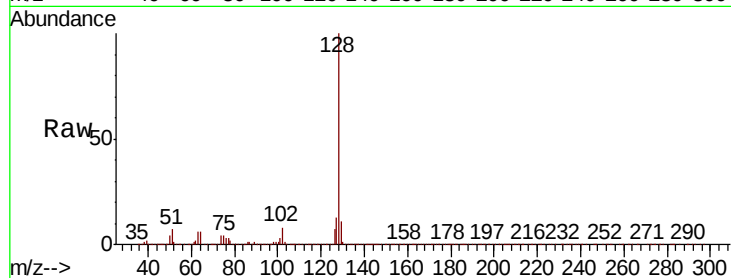
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	1709952
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	11.0	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
11/14/2019 9:37:03 AM



#96

1,2,3-Trichlorobenzene

Concen: 53.658 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. -0.00 min

Lab File: VX013398.D

Acq: 13 Nov 2019 10:43

Tgt Ion:	180	Resp:	557358
Ion	Ratio	Lower	Upper
180	100		
182	96.4	48.0	144.2
145	29.2	15.4	46.4

