

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072419\
 Data File : VX011055.D
 Acq On : 24 Jul 2019 12:15
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

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 7/25/2019 3:54:26 PM

Quant Time: Jul 25 03:28:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X071919W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 19 03:27:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	41401	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	227514	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	208047	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	82951	29.55	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.50%
60) 4-Bromofluorobenzene	11.13	95	103287	30.16	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.53%
63) Toluene-d8	8.71	98	272724	29.82	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	51439	18.793	ug/l 99
3) Chloromethane	1.32	50	42601	17.699	ug/l 98
4) Vinyl Chloride	1.41	62	44172	17.598	ug/l 98
5) Bromomethane	1.64	94	28019	20.279	ug/l 96
6) Chloroethane	1.73	64	28107	18.928	ug/l 99
7) Trichlorofluoromethane	1.93	101	76512	18.355	ug/l 95
8) Diethyl Ether	2.19	74	26139	19.095	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	45027	19.543	ug/l 98
10) 1,1-Dichloroethene	2.37	96	42037	18.155	ug/l 99
11) Methyl Iodide	2.51	142	55073	17.712	ug/l 97
12) Methyl Acetate	2.77	43	60692	18.663	ug/l 99
13) Acrolein	2.29	56	32715	83.903	ug/l 99
14) Acrylonitrile	3.14	53	119083	93.562	ug/l 99
15) Acetone	2.44	58	41091	115.939	ug/l 99
16) Carbon Disulfide	2.57	76	93710	15.751	ug/l 97
17) Allyl chloride	2.73	41	62668	18.696	ug/l 98
18) Methylene Chloride	2.85	84	48089	18.652	ug/l 97
19) trans-1,2-Dichloroethene	3.17	96	44477	18.184	ug/l 97
20) Diisopropyl ether	3.85	45	134624	19.024	ug/l 95
21) 1,1-Dichloroethane	3.70	63	76026	18.669	ug/l 99
22) cis-1,2-Dichloroethene	4.60	96	51798	18.413	ug/l 94
23) tert-Butyl Alcohol	3.04	59	56065	84.368	ug/l # 100
24) Methyl tert-Butyl Ether	3.19	73	142188	19.130	ug/l 100
25) Chloroform	5.20	83	84396	18.922	ug/l 97
26) Cyclohexane	5.58	56	64497	17.308	ug/l # 96
29) 1,1-Dichloropropene	5.79	75	59472	18.588	ug/l 98
30) 2-Butanone	4.67	43	171225	99.141	ug/l 99
31) 2,2-Dichloropropane	4.58	77	65033	23.285	ug/l 97
32) 1,1,1-Trichloroethane	5.49	97	71615	18.561	ug/l 98
33) Carbon Tetrachloride	5.78	117	62400	18.601	ug/l 98
34) Benzene	6.14	78	182381	19.003	ug/l 99
35) Methacrylonitrile	5.04	41	33095	18.407	ug/l 95
36) 1,2-Dichloroethane	6.19	62	63606	18.535	ug/l 100
37) Trichloroethene	7.21	130	52868	18.815	ug/l 96
38) Methylcyclohexane	7.46	83	73806	18.278	ug/l 99
39) 1,2-Dichloropropane	7.51	63	45474	18.956	ug/l 99
40) Dibromomethane	7.66	93	34171	19.367	ug/l 98

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Manual Integrations
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Quant Time: Jul 25 03:28:03 2019
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 19 03:27:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	61170	19.047	ug/l	97
42) Vinyl Acetate	3.81	43	545325	95.837	ug/l	100
43) Ethyl Acetate	4.83	43	58571	17.667	ug/l	98
44) Isopropyl Acetate	6.44	43	101155	18.733	ug/l	99
45) 1,4-Dioxane	7.74	88	27275	388.078	ug/l	98
46) Methyl methacrylate	7.77	41	47536	18.137	ug/l	96
47) n-amyl Acetate	10.90	43	91333	18.859	ug/l	100
48) t-1,3-Dichloropropene	9.04	75	65363	19.312	ug/l	97
49) cis-1,3-Dichloropropene	8.43	75	73638	19.937	ug/l	99
50) 1,1,2-Trichloroethane	9.21	97	48338	18.719	ug/l	98
51) Ethyl methacrylate	9.18	69	74164	18.570	ug/l	97
52) 1,3-Dichloropropane	9.37	76	78205	18.847	ug/l	97
53) Dibromochloromethane	9.58	129	52779	18.925	ug/l	99
54) 1,2-Dibromoethane	9.67	107	54149	19.296	ug/l	96
55) 2-Chloroethyl vinyl ether	8.30	63	164776	97.431	ug/l	99
56) Bromoform	10.85	173	38279	18.430	ug/l	100
58) 4-Methyl-2-Pentanone	8.64	43	326460	92.915	ug/l	99
59) 2-Hexanone	9.49	43	260187	96.774	ug/l	100
61) Tetrachloroethene	9.34	164	53076	19.322	ug/l	96
62) Toluene	8.78	91	208236	18.841	ug/l	100
64) Chlorobenzene	10.13	112	137226	19.379	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.22	131	49625	19.283	ug/l	100
66) Ethyl Benzene	10.25	91	234875	18.877	ug/l	100
67) m/p-Xylenes	10.35	106	179473	37.702	ug/l	96
68) o-Xylene	10.69	106	87837	18.832	ug/l	98
69) Styrene	10.71	104	149450	19.062	ug/l	99
70) Isopropylbenzene	11.02	105	242253	19.504	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.27	83	76001	18.977	ug/l	99
72) 1,2,3-Trichloropropane	11.29	75	64302m	19.235	ug/l	
73) Bromobenzene	11.26	156	64870	19.357	ug/l	99
74) n-propylbenzene	11.36	91	274962	19.670	ug/l	100
75) 2-Chlorotoluene	11.42	91	161734	19.426	ug/l	100
76) 1,3,5-Trimethylbenzene	11.51	105	206499	19.642	ug/l	100
77) t-1,4-Dichloro-2-butene	11.07	75	21431	19.430	ug/l	91
78) 4-Chlorotoluene	11.51	91	186327	19.487	ug/l	99
79) tert-butylbenzene	11.77	119	199343	19.548	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	207509	19.600	ug/l	99
81) sec-Butylbenzene	11.94	105	241095	20.057	ug/l	100
82) p-Isopropyltoluene	12.06	119	223250	20.015	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	117350	19.836	ug/l	100
84) 1,4-Dichlorobenzene	12.10	146	115130	19.580	ug/l	99
85) n-Butylbenzene	12.38	91	194252	20.451	ug/l	100
86) Hexachloroethane	12.59	117	33050	18.787	ug/l	96
87) 1,2-Dichlorobenzene	12.39	146	116043	20.034	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	12.99	75	16476	18.687	ug/l	98
89) 1,2,4-Trichlorobenzene	13.65	180	82724	20.706	ug/l	97
90) Hexachlorobutadiene	13.78	225	40424	20.927	ug/l	99
91) Naphthalene	13.83	128	238471	19.562	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	82480	20.598	ug/l	100

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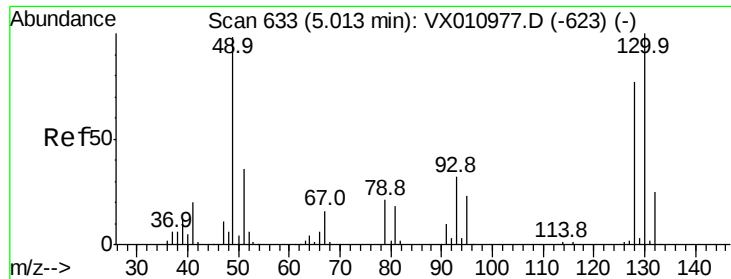
Manual Integrations
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Quant Time: Jul 25 03:28:03 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.01 min Scan# 633

Delta R.T. -0.00 min

Lab File: VX011055.D

Acq: 24 Jul 2019 12:15

Instrument :

MSVOA_X

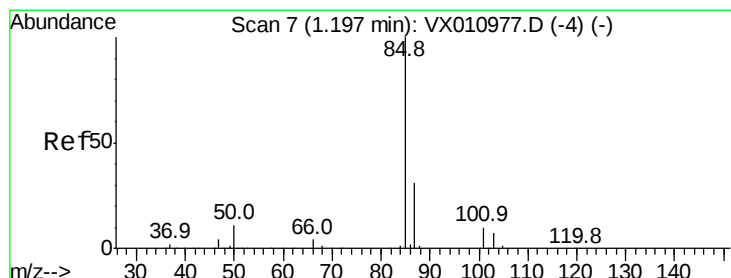
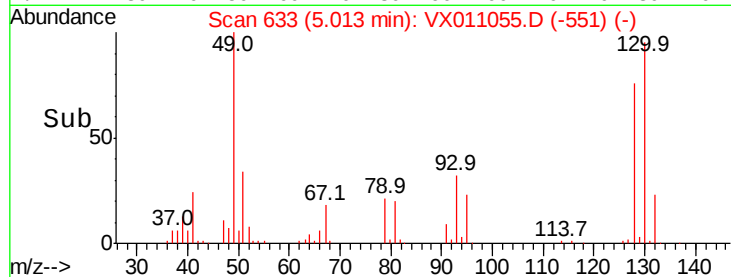
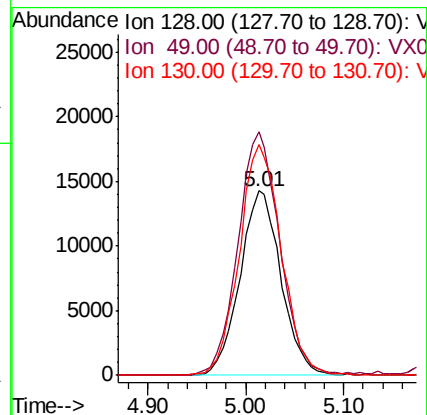
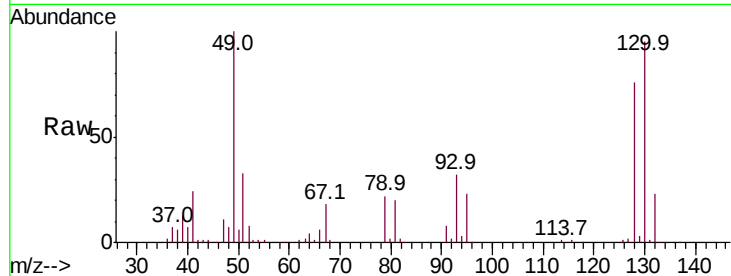
ClientSampleId :

VSTDCCC020

Tot Ion	Ratio	Lower	Upper
128	100		
49	135.4	0.0	343.5
130	128.2	0.0	324.7

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#2

Dichlorodifluoromethane

Concen: 18.793 ug/l

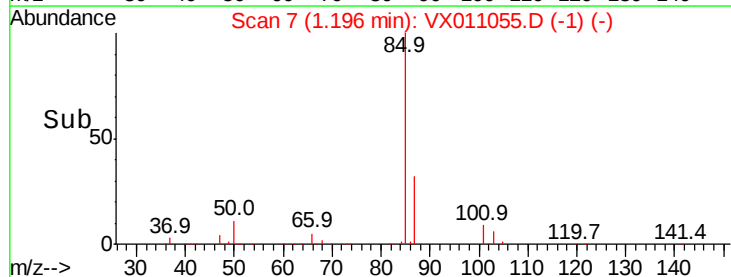
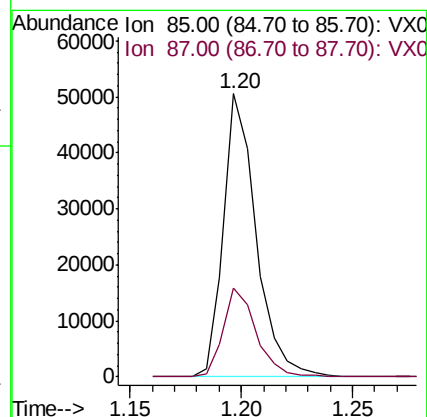
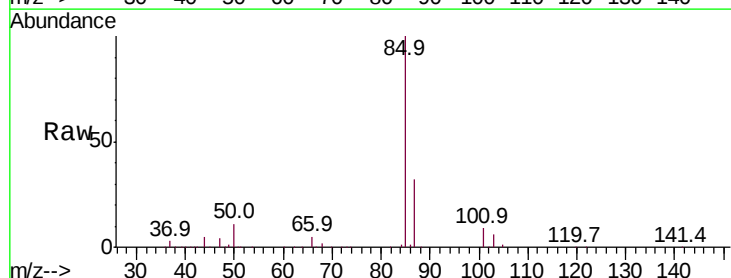
RT: 1.20 min Scan# 7

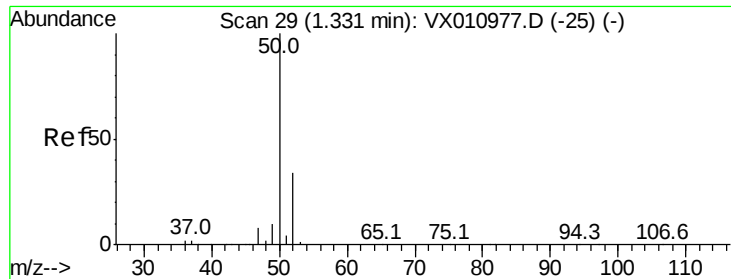
Delta R.T. -0.00 min

Lab File: VX011055.D

Acq: 24 Jul 2019 12:15

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.5	15.4	46.1





#3

Chloromethane

Concen: 17.699 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX011055.D

Acq: 24 Jul 2019 12:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 50 Resp: 42601

Ion Ratio Lower Upper

50 100

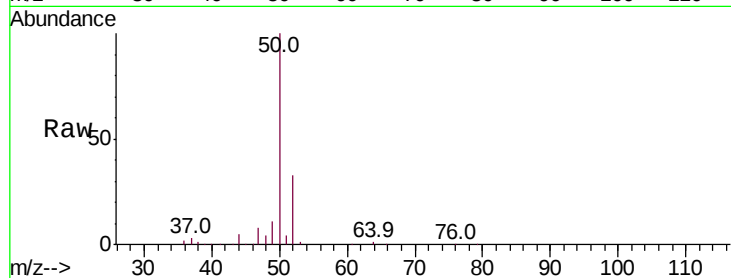
52 32.8 27.3 40.9

Manual Integrations

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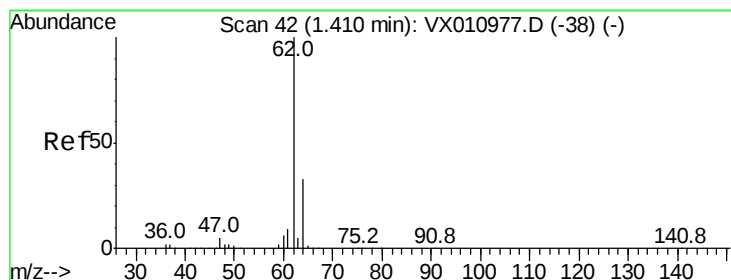
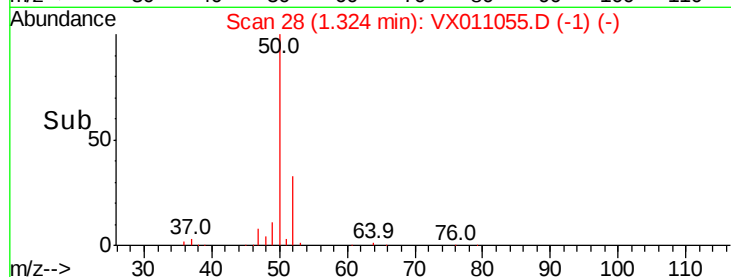
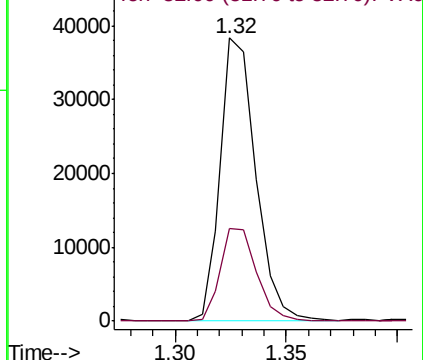
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Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#4

Vinyl Chloride

Concen: 17.598 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX011055.D

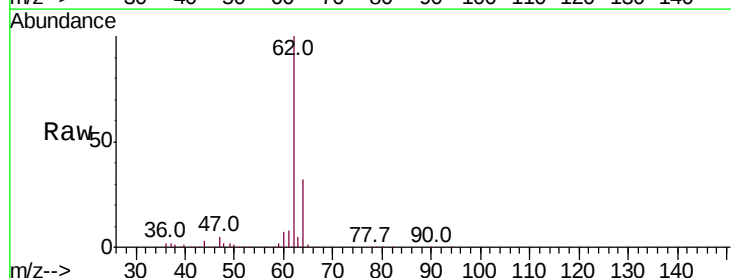
Acq: 24 Jul 2019 12:15

Tgt Ion: 62 Resp: 44172

Ion Ratio Lower Upper

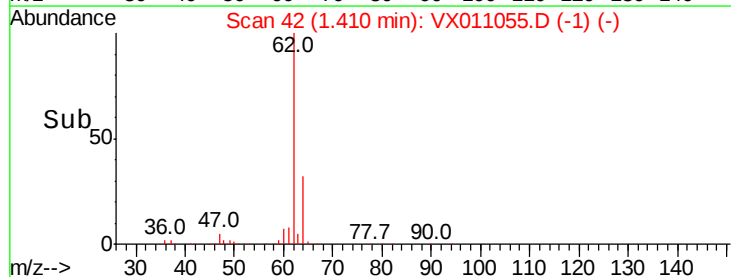
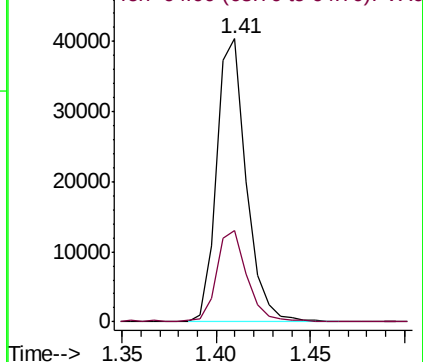
62 100

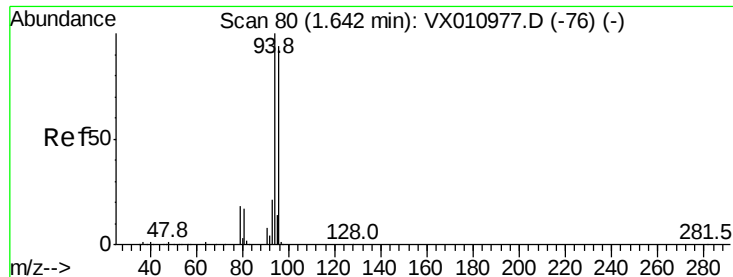
64 32.2 26.8 40.2



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0





#5

Bromomethane

Concen: 20.279 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX011055.D

Acq: 24 Jul 2019 12:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 94 Resp: 28019

Ion Ratio Lower Upper

94 100

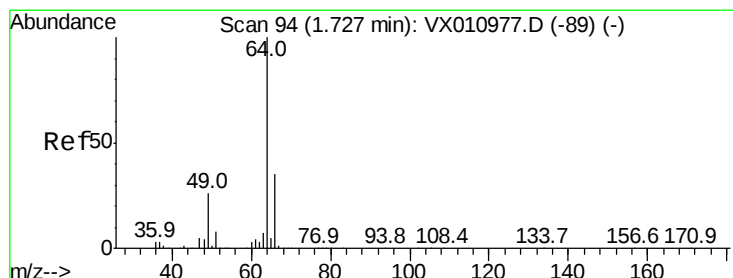
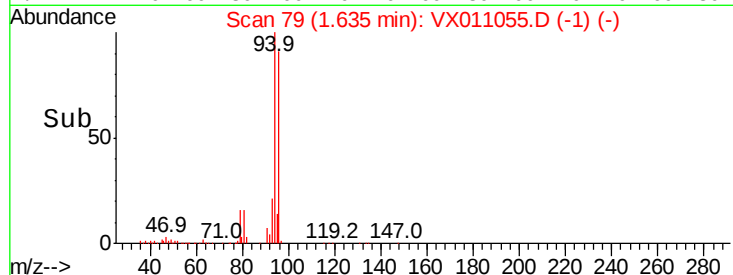
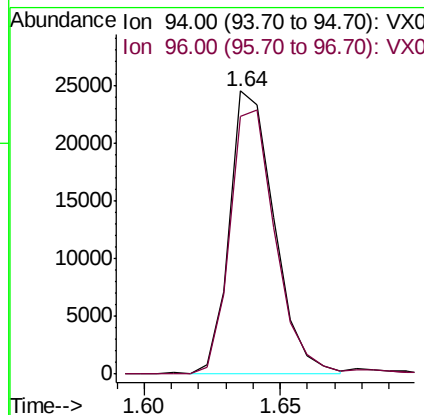
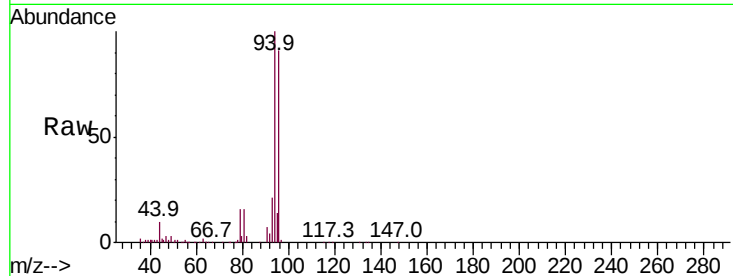
96 90.7 75.4 113.2

Manual Integrations

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#6

Chloroethane

Concen: 18.928 ug/l

RT: 1.73 min Scan# 94

Delta R.T. -0.00 min

Lab File: VX011055.D

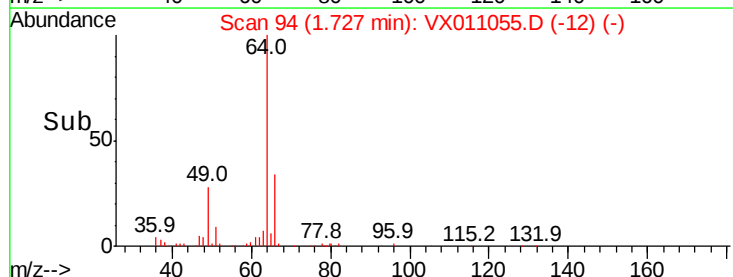
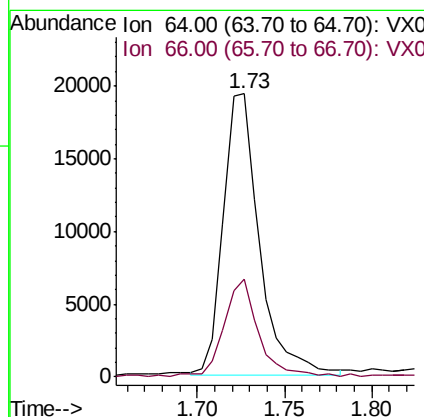
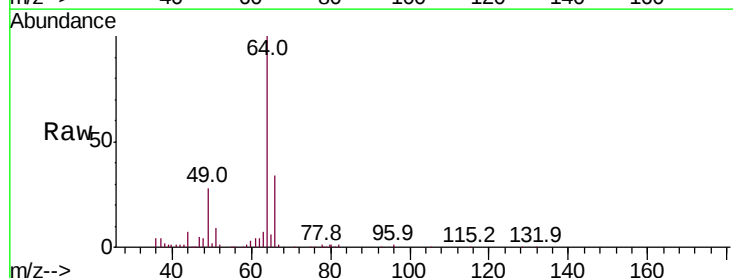
Acq: 24 Jul 2019 12:15

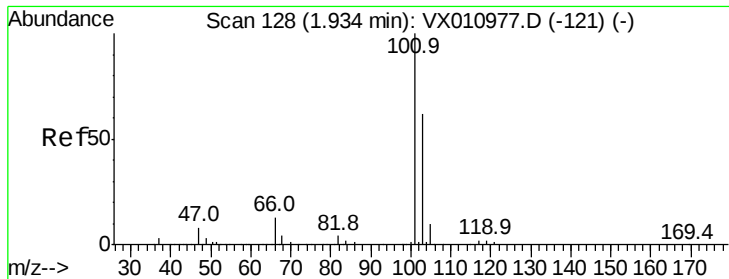
Tgt Ion: 64 Resp: 28107

Ion Ratio Lower Upper

64 100

66 34.5 28.1 42.1





#7

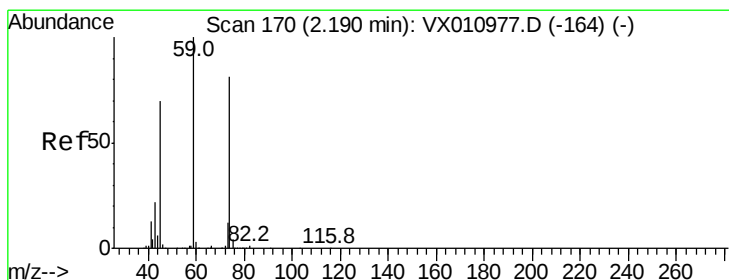
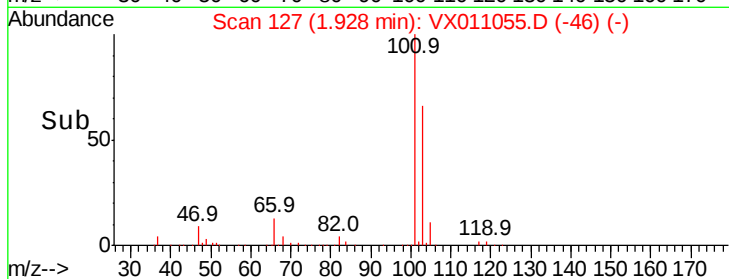
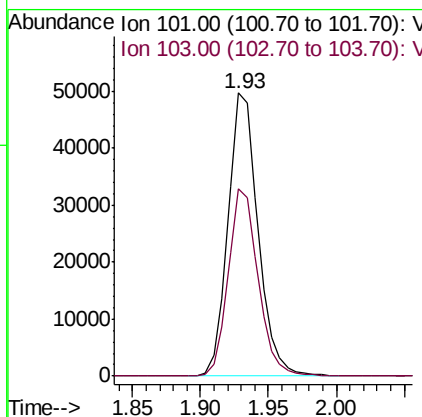
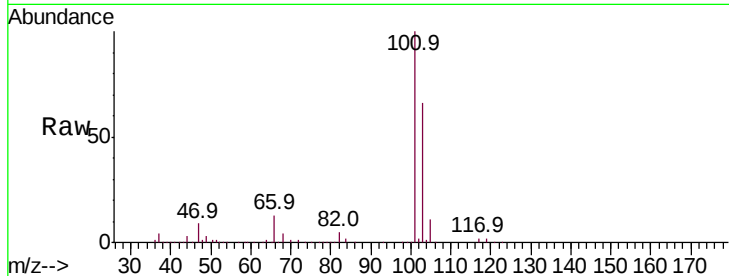
Trichlorofluoromethane
 Concen: 18.355 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. -0.01 min
 Lab File: VX011055.D
 Acq: 24 Jul 2019 12:15

Instrument :
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 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.0	49.6	74.4

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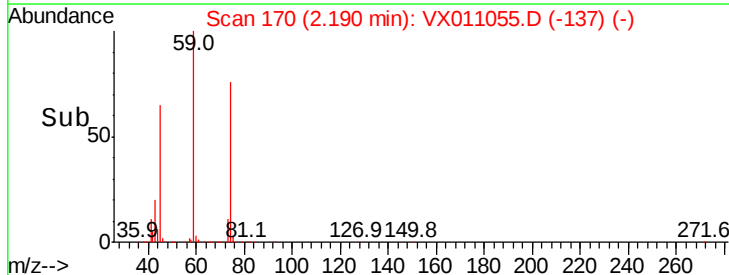
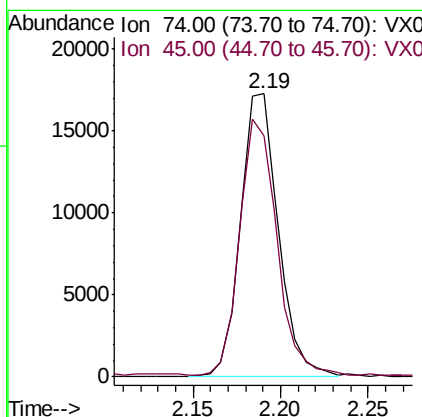
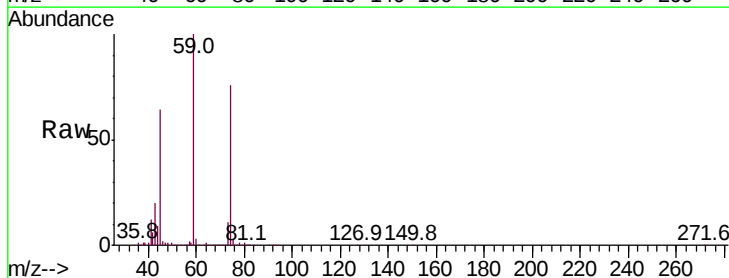
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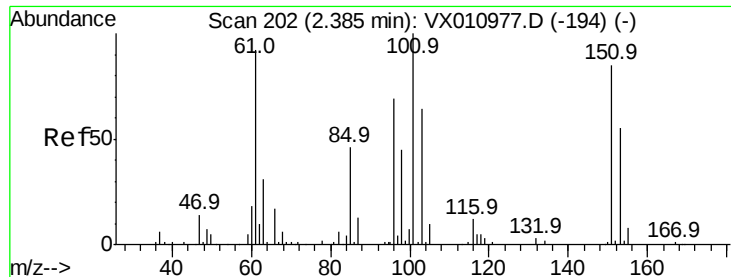


#8

Diethyl Ether
 Concen: 19.095 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX011055.D
 Acq: 24 Jul 2019 12:15

Tgt Ion	Ratio	Lower	Upper
74	100		
45	89.9	18.3	164.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.543 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX011055.D

Acq: 24 Jul 2019 12:15

Instrument :

MSVOA_X

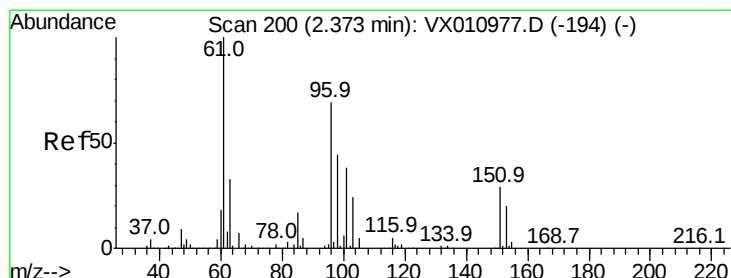
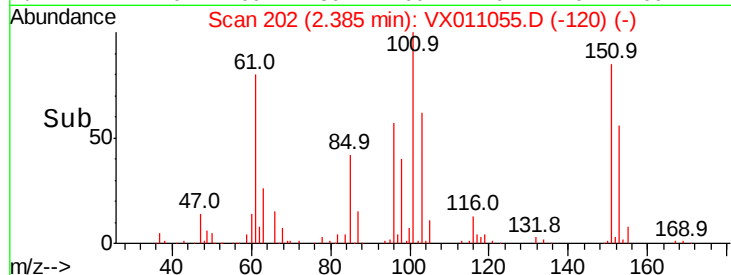
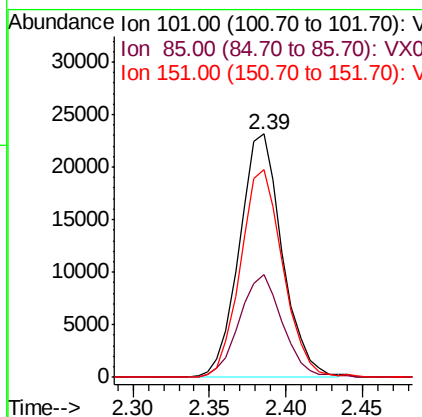
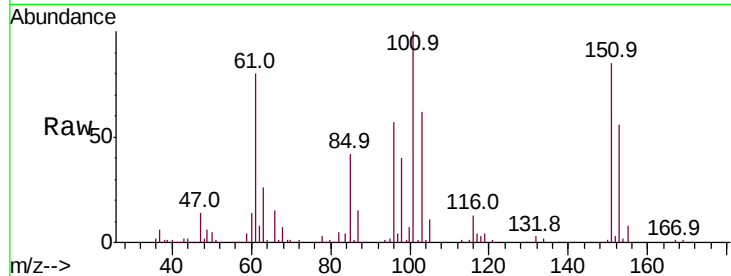
ClientSampleId :

VSTDCCC020

Tot Ion:	101	Resp:	45027
Ion Ratio	Lower	Upper	
101	100		
85	42.6	0.0	89.8
151	84.8	0.0	172.2

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 18.155 ug/l

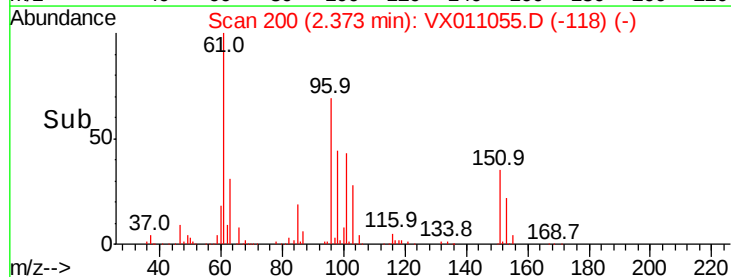
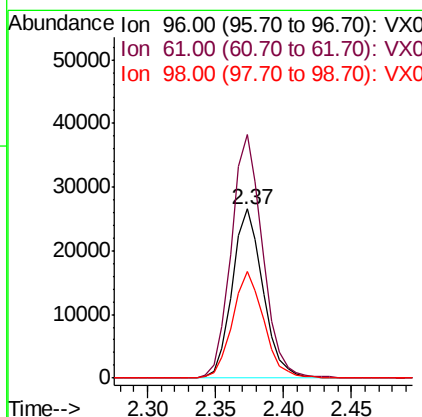
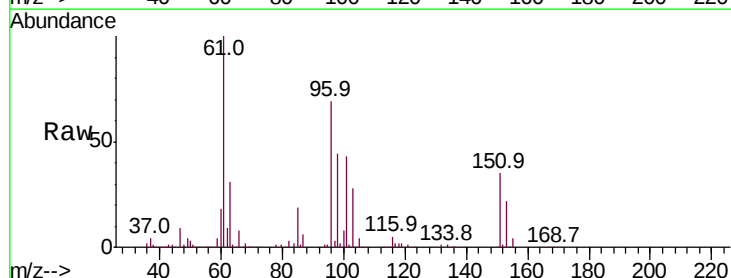
RT: 2.37 min Scan# 200

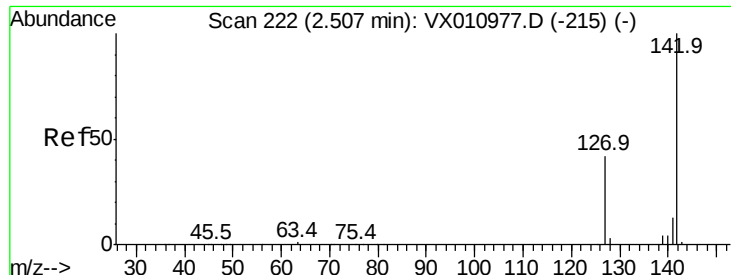
Delta R.T. -0.00 min

Lab File: VX011055.D

Acq: 24 Jul 2019 12:15

Tgt Ion:	96	Resp:	42037
Ion Ratio	Lower	Upper	
96	100		
61	143.8	115.9	173.9
98	62.8	50.6	75.8





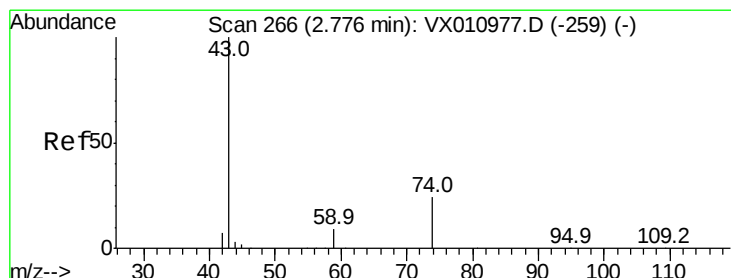
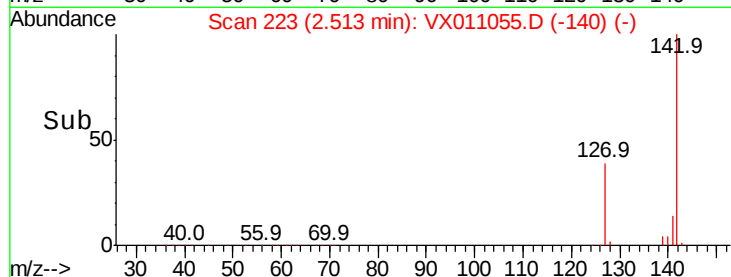
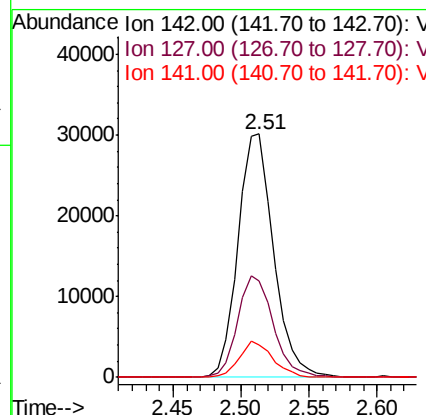
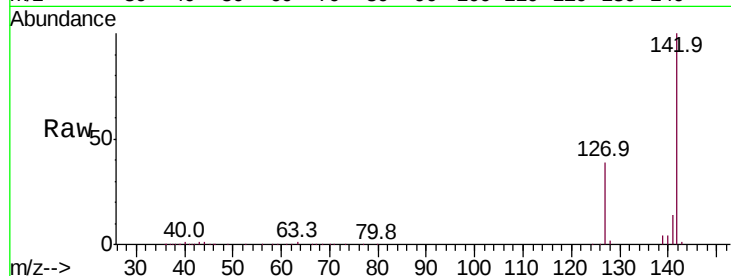
#11
Methvl Iodide
Concen: 17.712 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX011055.D
Acq: 24 Jul 2019 12:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
142	100		
127	39.3	20.7	62.1
141	13.6	6.7	20.0

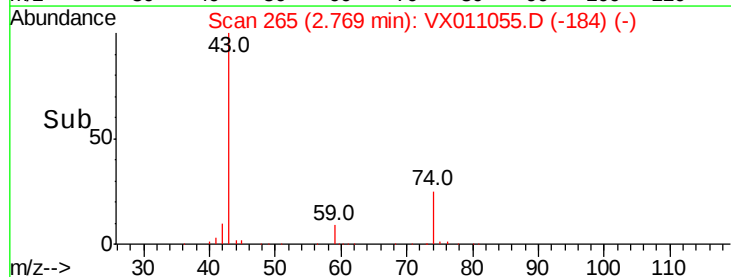
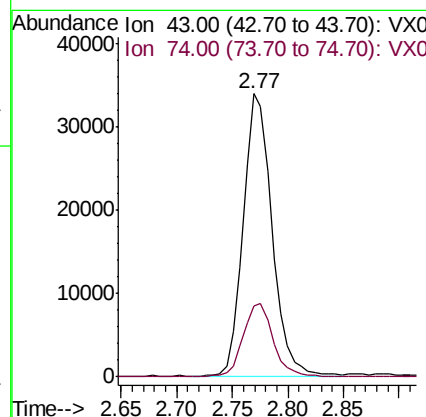
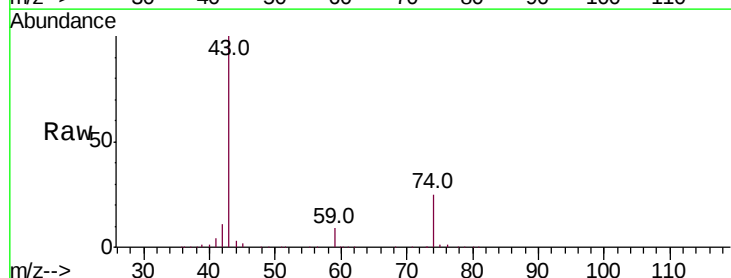
Manual Integrations
APPROVED

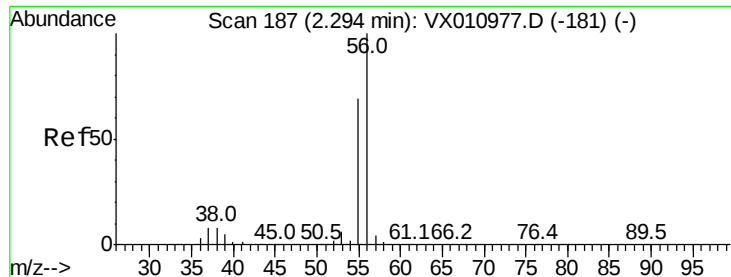
MMDadoda
7/25/2019 3:54:26 PM



#12
Methyl Acetate
Concen: 18.663 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX011055.D
Acq: 24 Jul 2019 12:15

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.1	19.8	29.6





#13

Acrolein

Concen: 83.903 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX011055.D

Acq: 24 Jul 2019 12:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 56 Resp: 32715

Ion Ratio Lower Upper

56 100

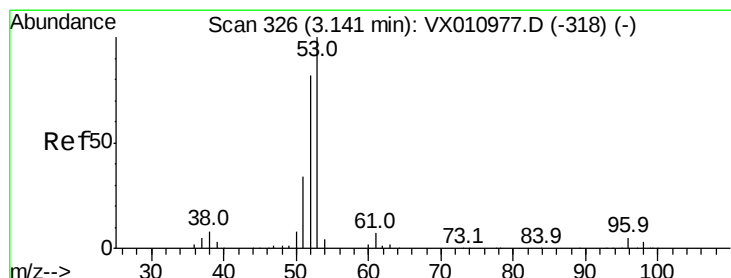
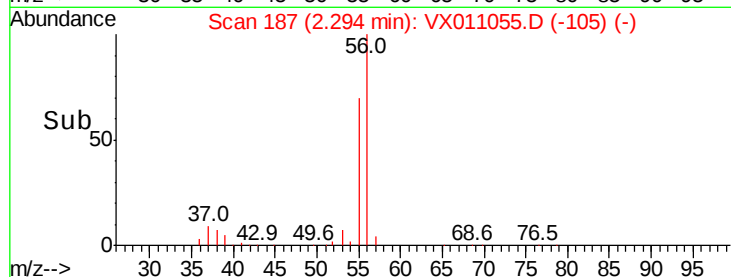
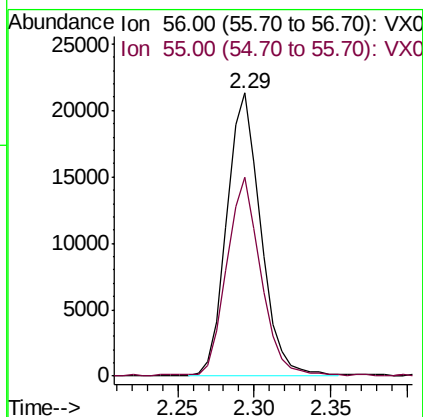
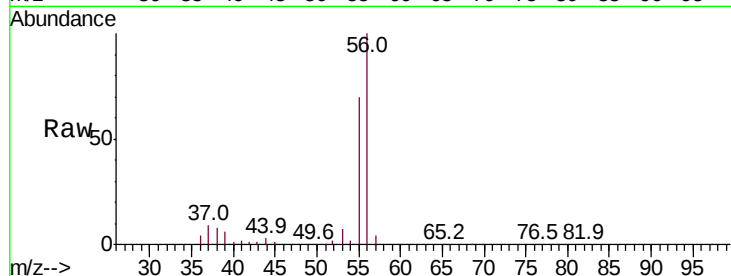
55 71.0 56.1 84.1

Manual Integrations

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#14

Acrylonitrile

Concen: 93.562 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX011055.D

Acq: 24 Jul 2019 12:15

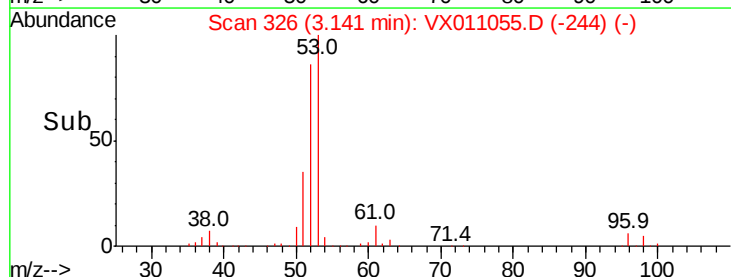
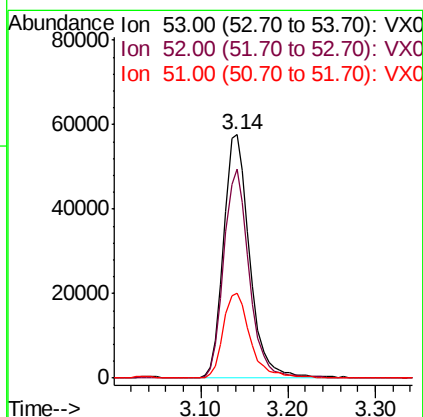
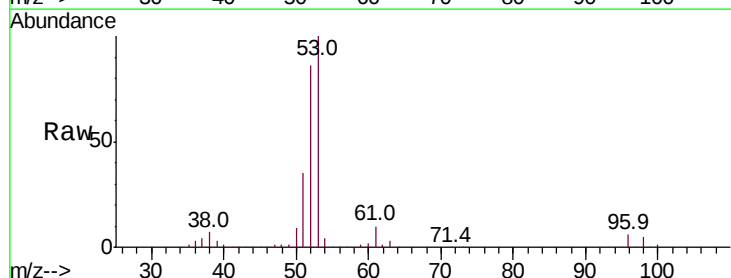
Tgt Ion: 53 Resp: 119083

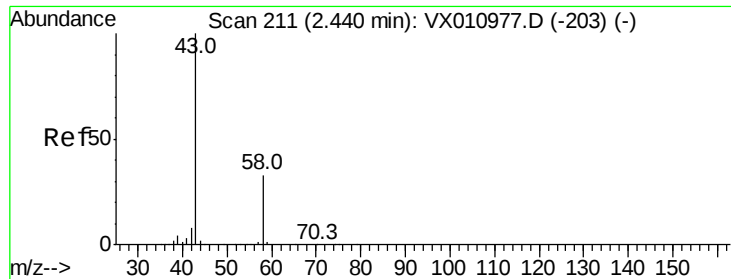
Ion Ratio Lower Upper

53 100

52 83.5 41.1 123.4

51 36.3 17.8 53.3





#15

Acetone

Concen: 115.939 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX011055.D

Acq: 24 Jul 2019 12:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 58 Resp: 41091

Ion Ratio Lower Upper

58 100

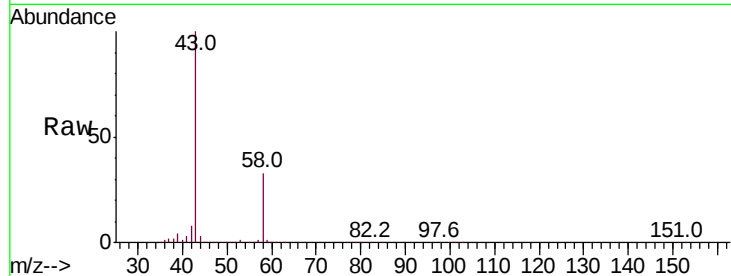
43 302.4 243.8 365.6

Manual Integrations

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Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

80000

60000

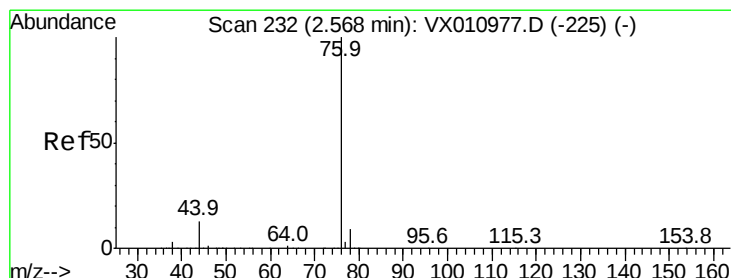
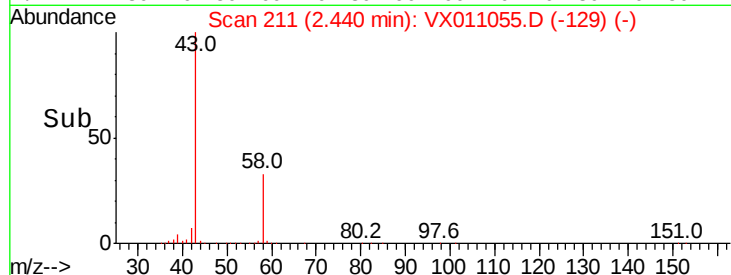
40000

20000

0

2.35 2.40 2.45 2.50 2.55

Time-->



#16

Carbon Disulfide

Concen: 15.751 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX011055.D

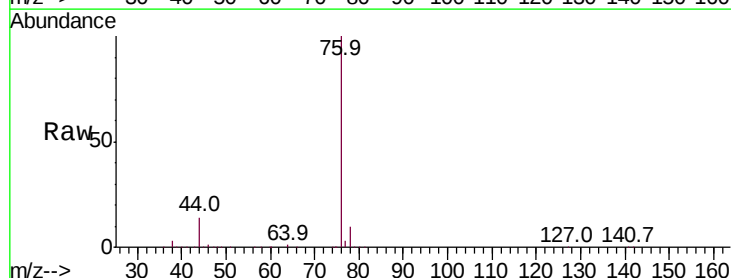
Acq: 24 Jul 2019 12:15

Tgt Ion: 76 Resp: 93710

Ion Ratio Lower Upper

76 100

78 10.2 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0

60000

50000

40000

30000

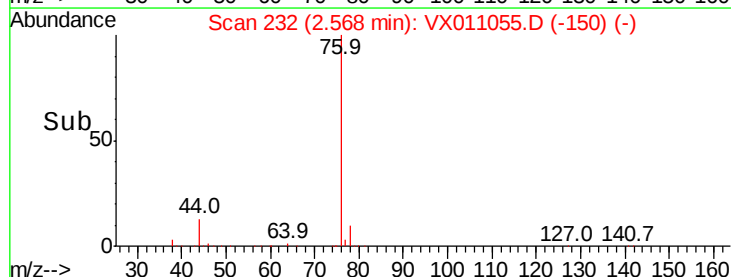
20000

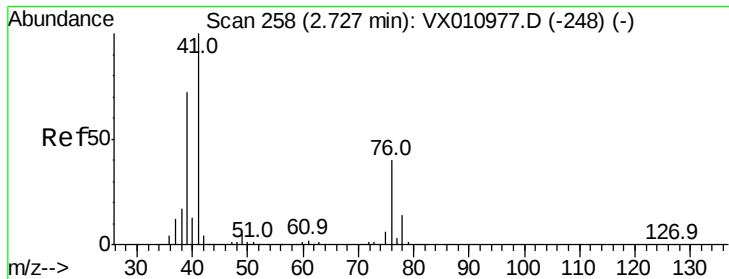
10000

0

2.50 2.55 2.60 2.65

Time-->





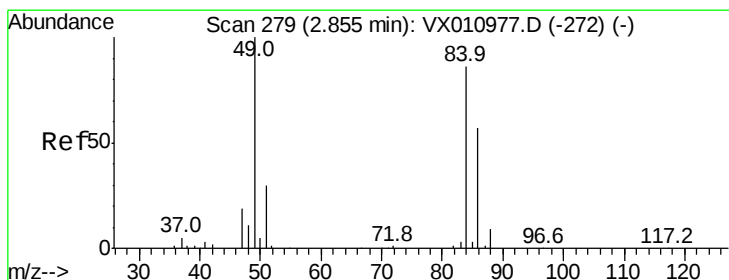
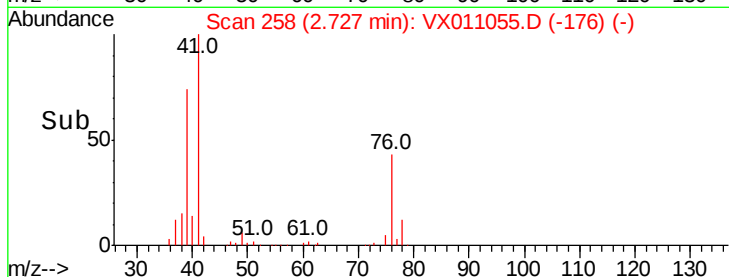
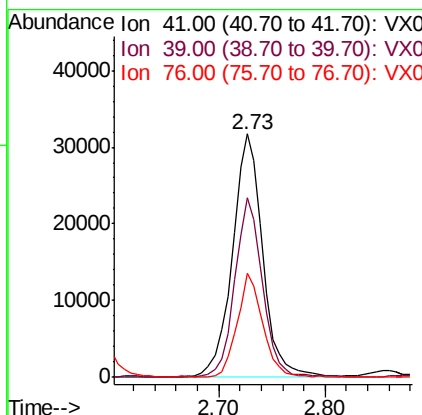
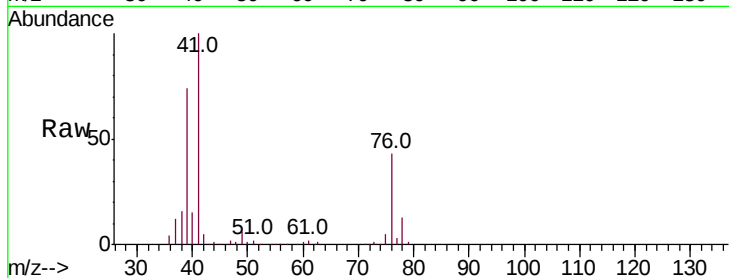
#17
Allvl chloride
Concen: 18.696 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX011055.D
Acq: 24 Jul 2019 12:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	73.7	36.1	108.3
76	42.5	20.2	60.5

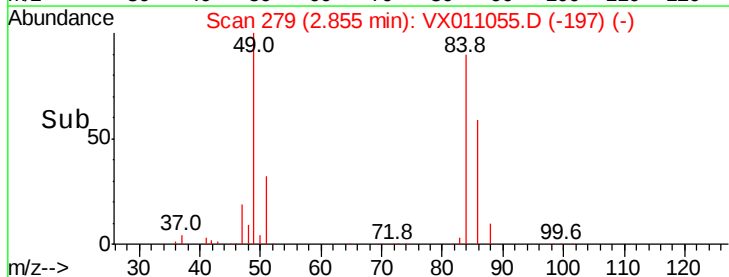
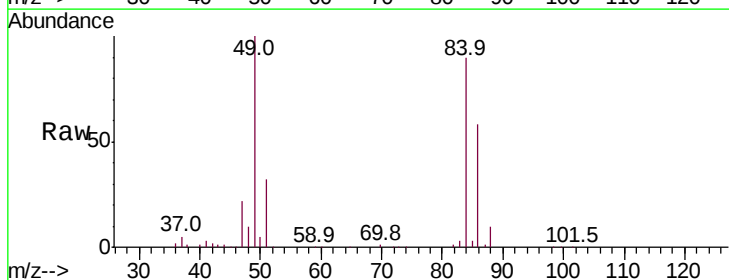
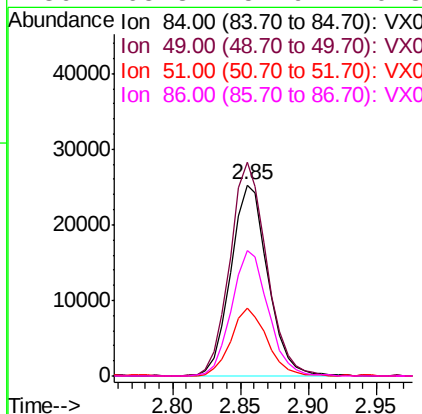
Manual Integrations
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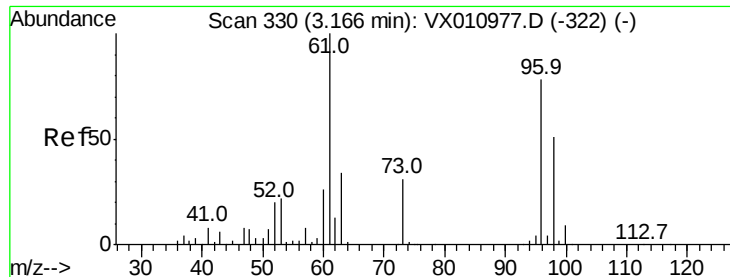
MMDadoda
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#18
Methylene Chloride
Concen: 18.652 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX011055.D
Acq: 24 Jul 2019 12:15

Tgt Ion	Ratio	Lower	Upper
84	100		
49	111.3	93.2	139.8
51	35.0	28.6	42.8
86	65.3	52.9	79.3





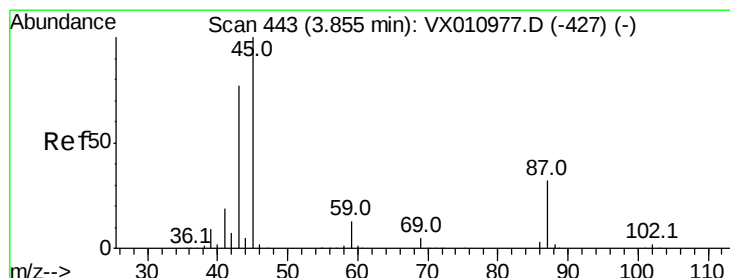
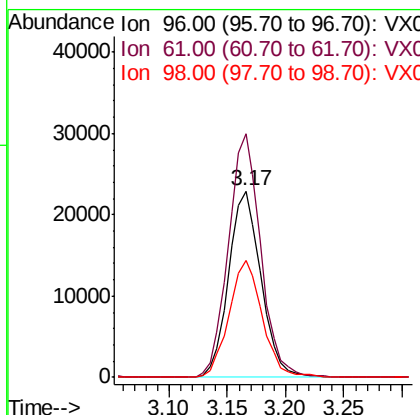
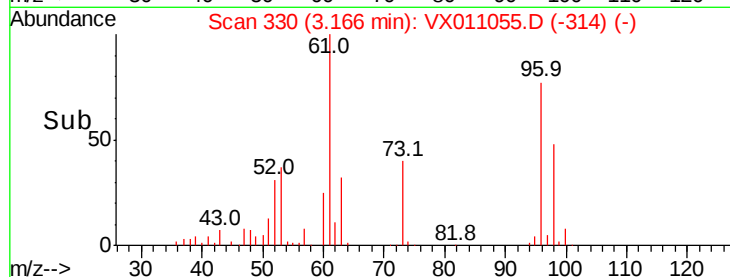
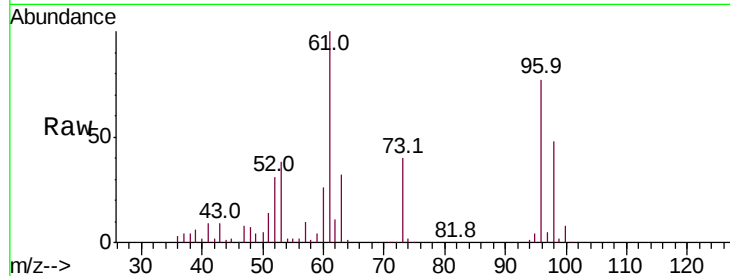
#19
trans-1,2-Dichloroethene
Concen: 18.184 ug/l
RT: 3.17 min Scan# 330
Delta R.T. -0.00 min
Lab File: VX011055.D
Acq: 24 Jul 2019 12:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.4	102.2	153.4
98	62.6	52.2	78.2

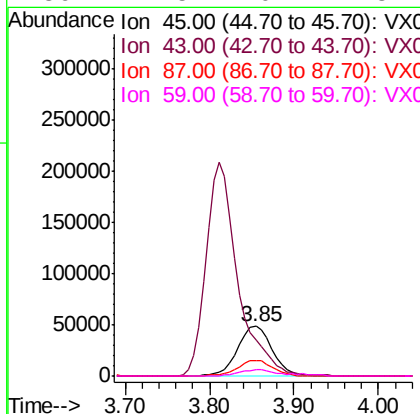
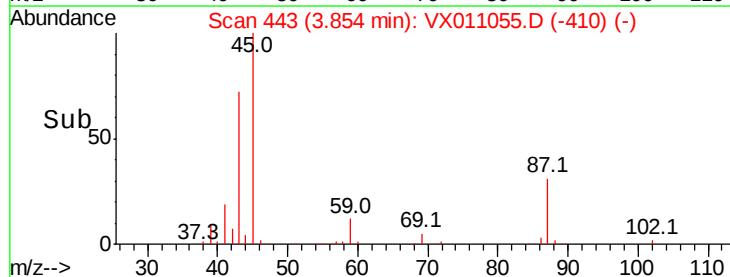
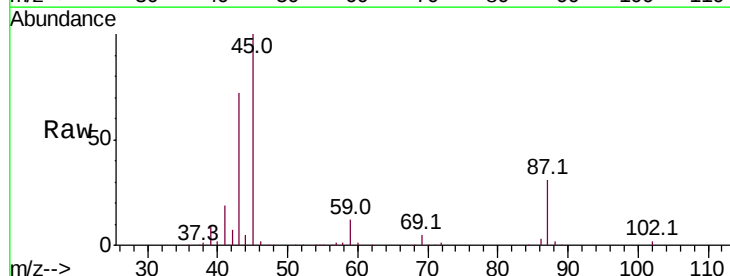
Manual Integrations
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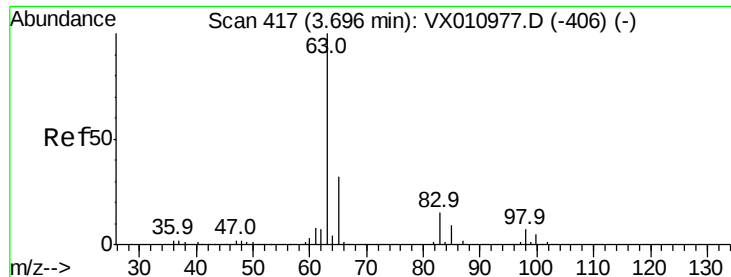
MMDadoda
7/25/2019 3:54:26 PM



#20
Diisopropyl ether
Concen: 19.024 ug/l
RT: 3.85 min Scan# 443
Delta R.T. -0.00 min
Lab File: VX011055.D
Acq: 24 Jul 2019 12:15

Tgt Ion	Ratio	Lower	Upper
45	100		
43	71.3	61.5	92.3
87	30.7	25.4	38.2
59	12.5	10.2	15.2





#21

1,1-Dichloroethane

Concen: 18.669 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX011055.D

Acq: 24 Jul 2019 12:15

Instrument :

MSVOA_X

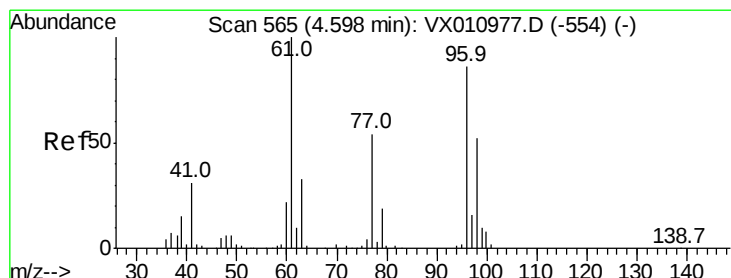
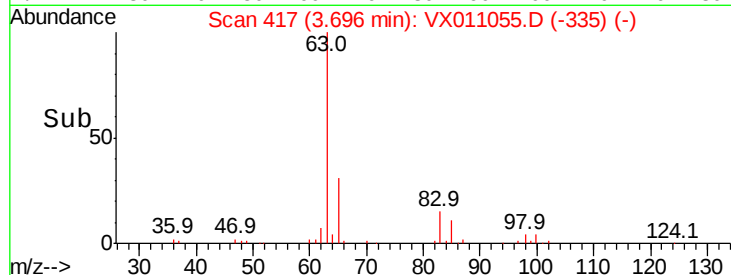
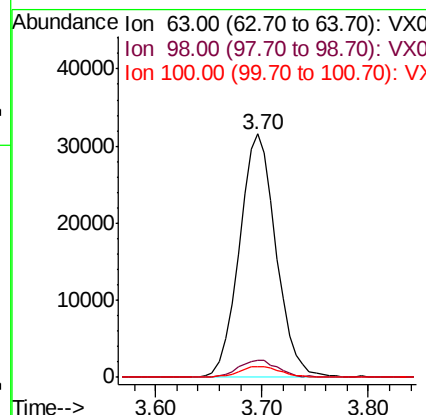
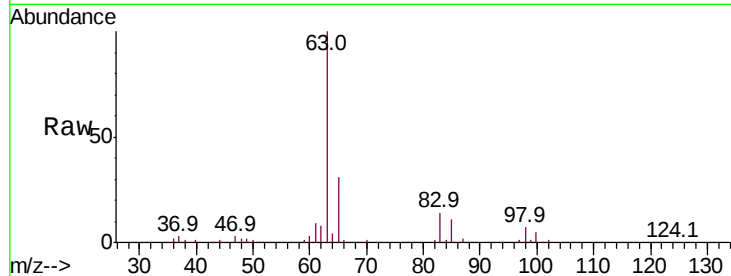
ClientSampleId :

VSTDCCC020

Tot Ion:	63	Resp:	76026
Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.8	11.2
100	4.6	2.5	7.4

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 18.413 ug/l

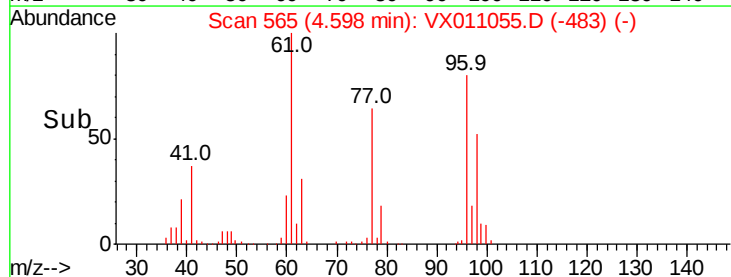
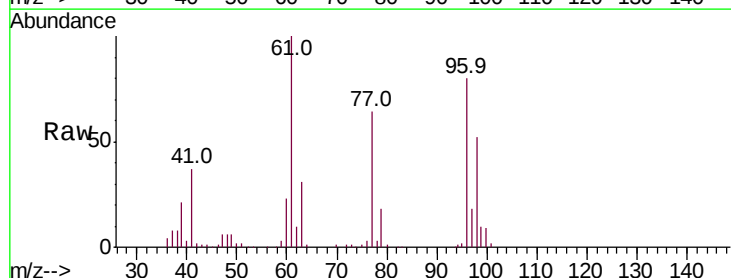
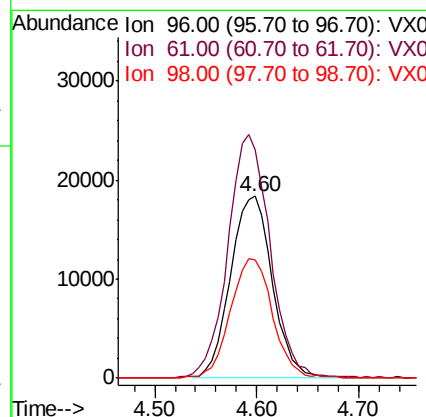
RT: 4.60 min Scan# 565

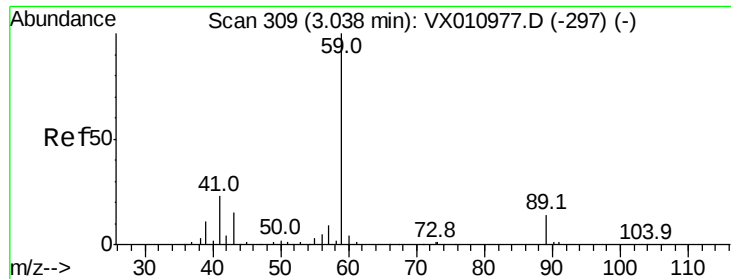
Delta R.T. -0.00 min

Lab File: VX011055.D

Acq: 24 Jul 2019 12:15

Tgt Ion:	96	Resp:	51798
Ion	Ratio	Lower	Upper
96	100		
61	136.3	102.9	154.3
98	66.5	50.9	76.3





#23

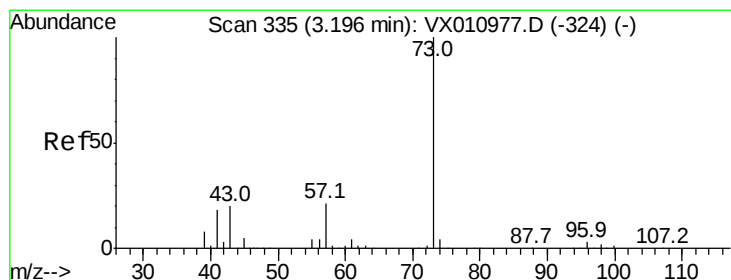
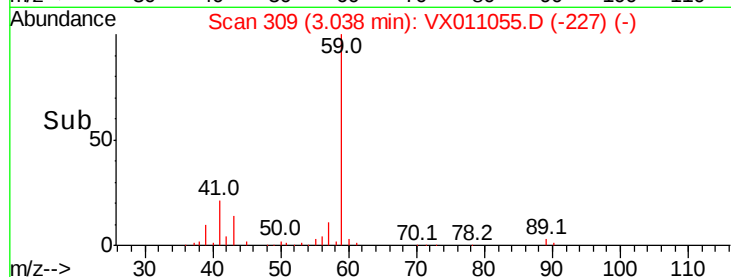
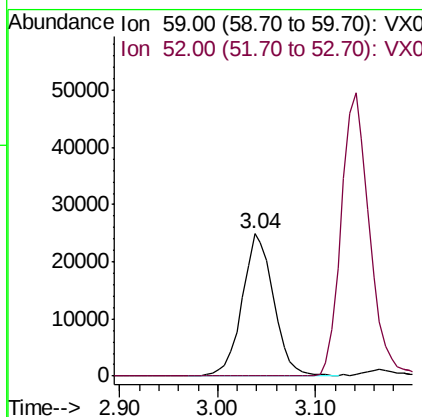
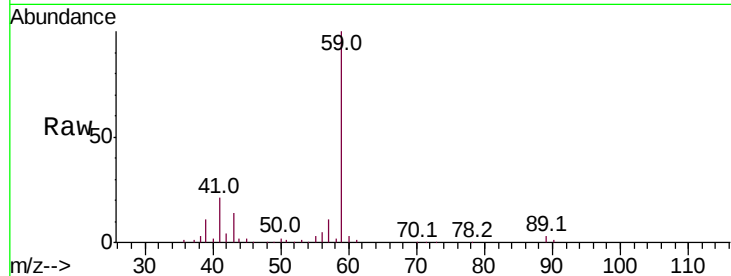
tert-Butyl Alcohol
 Concen: 84.368 ug/l
 RT: 3.04 min Scan# 309
 Delta R.T. -0.00 min
 Lab File: VX011055.D
 Acq: 24 Jul 2019 12:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.4	0.2	0.4#

Manual Integrations
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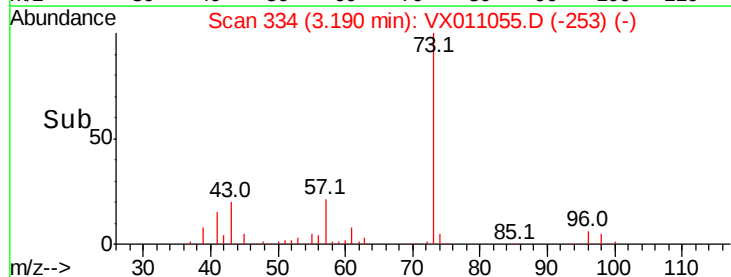
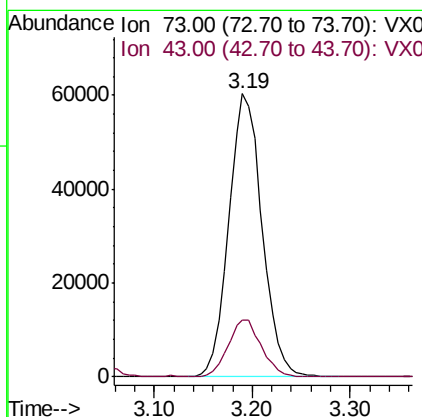
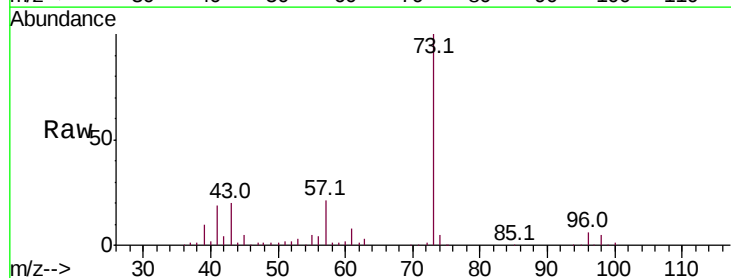
MMDadoda
 7/25/2019 3:54:26 PM

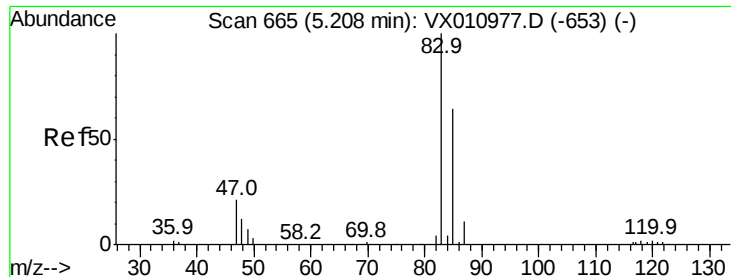


#24

Methyl tert-Butyl Ether
 Concen: 19.130 ug/l
 RT: 3.19 min Scan# 334
 Delta R.T. -0.01 min
 Lab File: VX011055.D
 Acq: 24 Jul 2019 12:15

Tgt Ion	Ratio	Lower	Upper
73	100		
43	19.9	15.8	23.6





#25

Chloroform

Concen: 18.922 ug/l

RT: 5.20 min Scan# 664

Delta R.T. -0.01 min

Lab File: VX011055.D

Acq: 24 Jul 2019 12:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 83 Resp: 84396

Ion Ratio Lower Upper

83 100

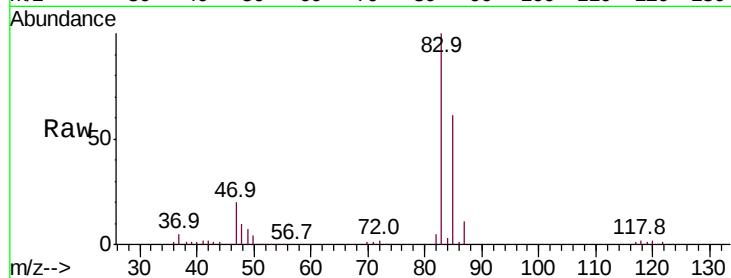
85 61.5 50.9 76.3

Manual Integrations

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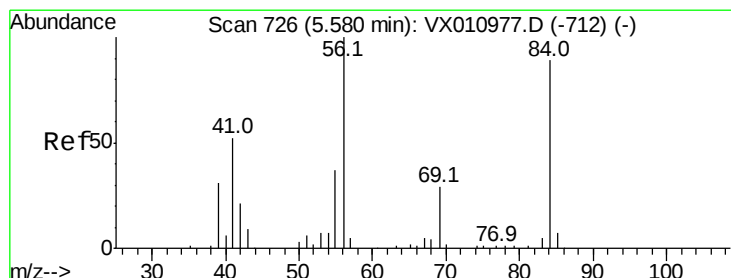
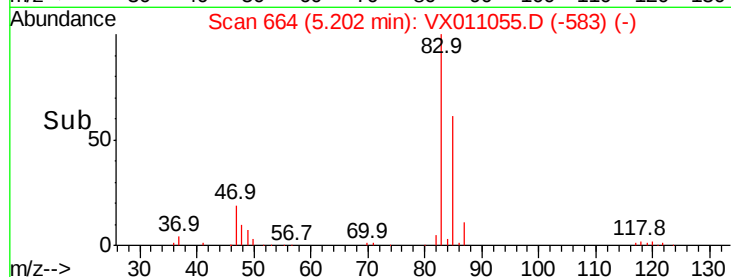
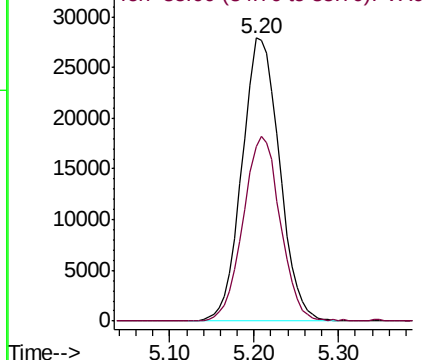
MMDadoda

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Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



#26

Cyclohexane

Concen: 17.308 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX011055.D

Acq: 24 Jul 2019 12:15

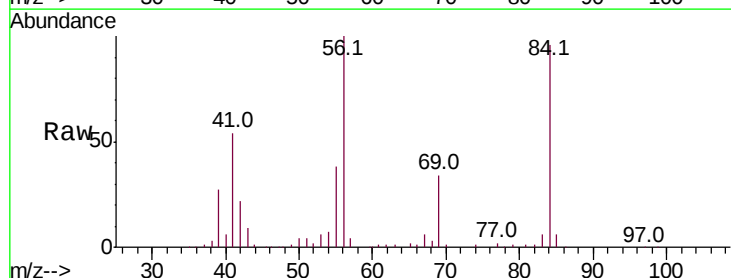
Tgt Ion: 56 Resp: 64497

Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

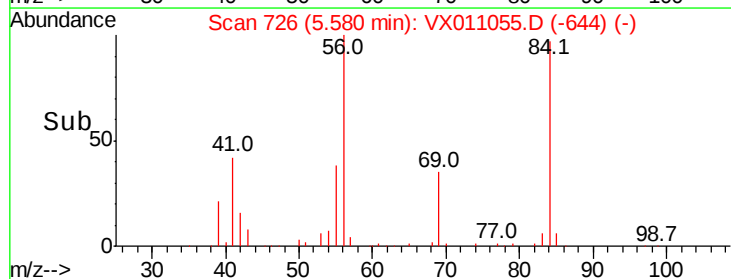
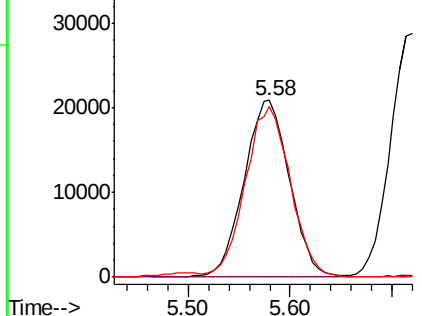
84 95.5 73.0 109.4

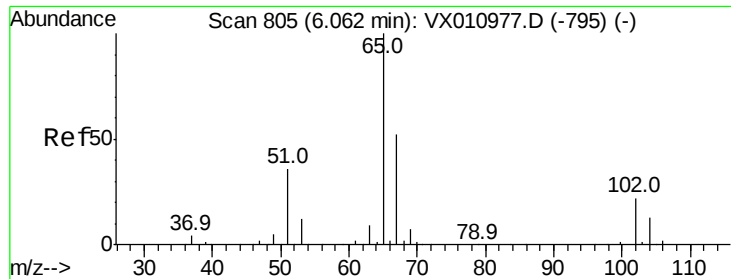


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 89.00 (88.70 to 89.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#27

1,2-Dichloroethane-d4

Concen: 29.554 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX011055.D

Acq: 24 Jul 2019 12:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 65 Resp: 82951

Ion Ratio Lower Upper

65 100

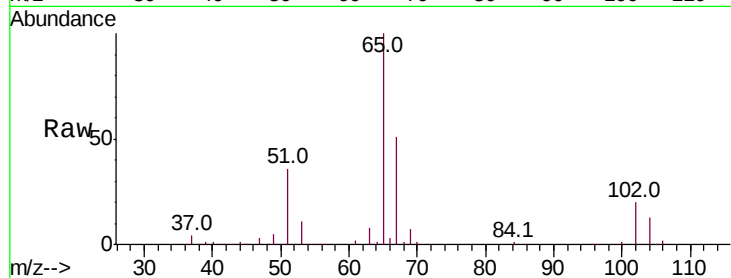
67 52.4 41.7 62.5

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Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

6.06

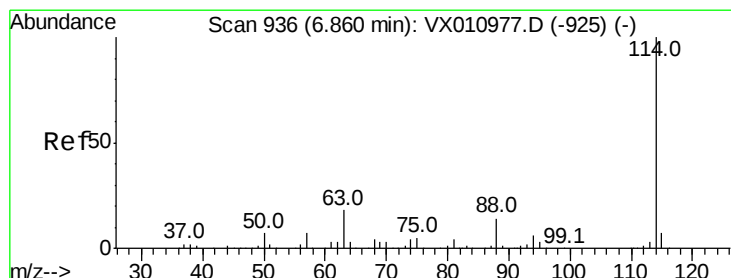
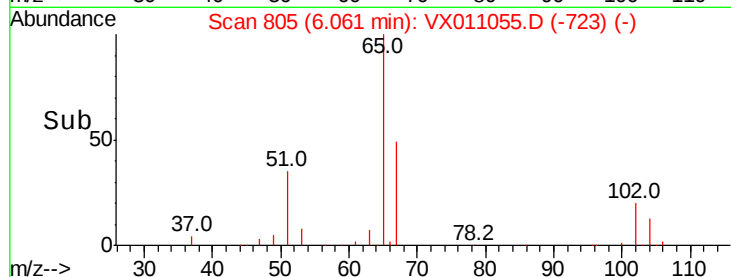
30000

20000

10000

0

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX011055.D

Acq: 24 Jul 2019 12:15

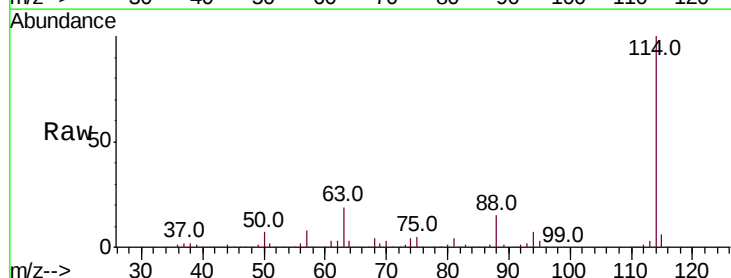
Tgt Ion: 114 Resp: 227514

Ion Ratio Lower Upper

114 100

63 18.4 14.6 22.0

88 14.8 11.8 17.8



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0

120000

100000

80000

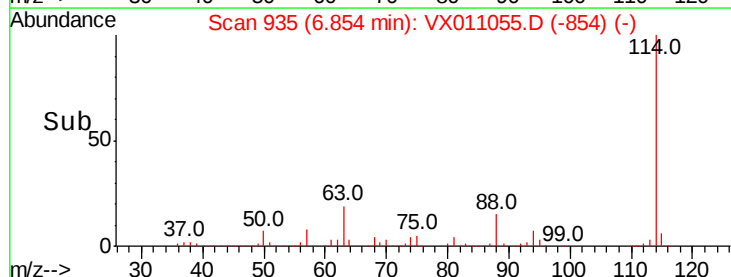
60000

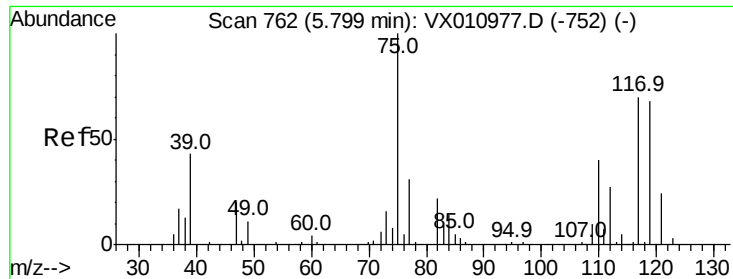
40000

20000

0

Time-->





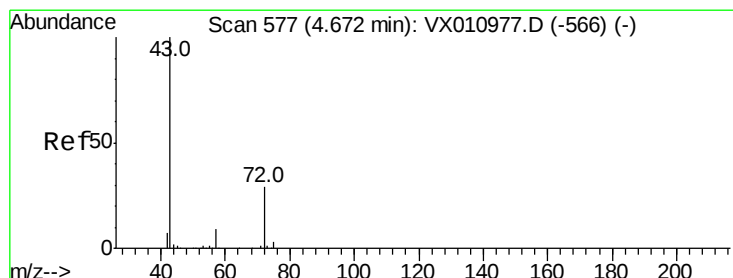
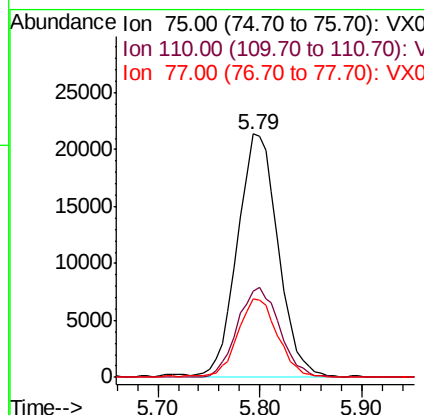
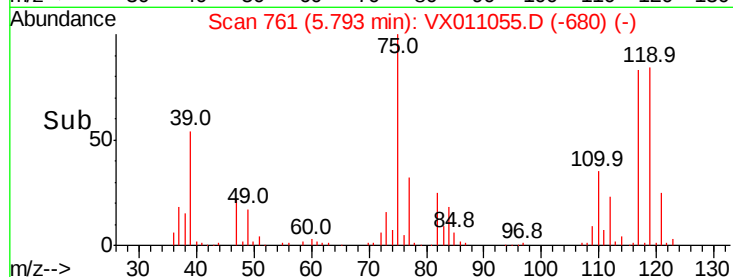
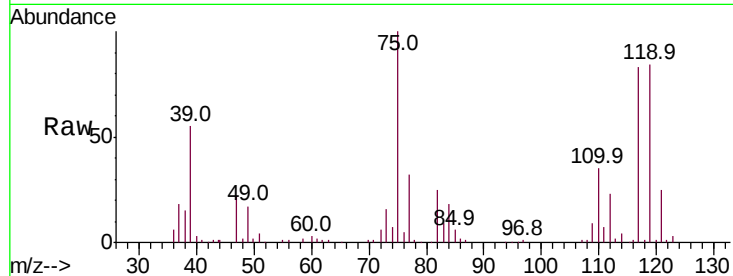
#29
 1,1-Dichloropropene
 Concen: 18.588 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: VX011055.D
 Acq: 24 Jul 2019 12:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
110	37.9	0.0	79.8
77	31.4	0.0	62.2

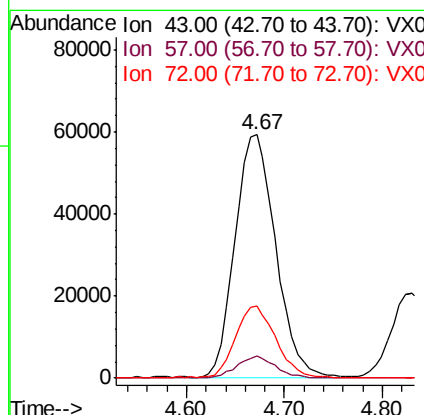
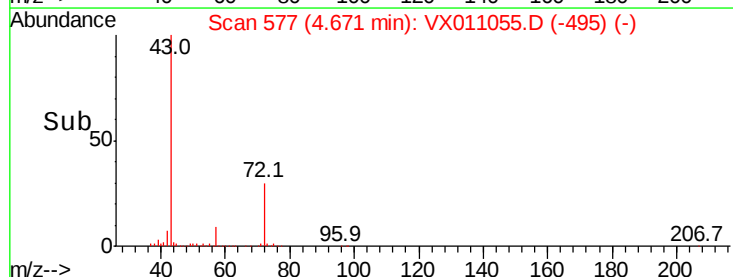
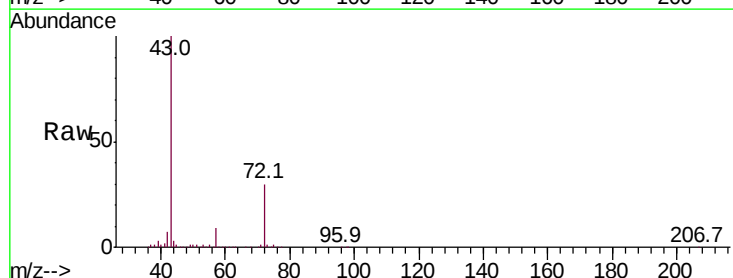
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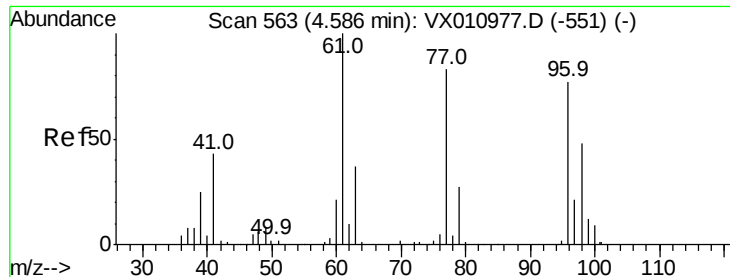
MMDadoda
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#30
 2-Butanone
 Concen: 99.141 ug/l
 RT: 4.67 min Scan# 577
 Delta R.T. -0.00 min
 Lab File: VX011055.D
 Acq: 24 Jul 2019 12:15

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.5	6.8	10.2
72	29.5	23.2	34.8





#31

2,2-Dichloropropane

Concen: 23.285 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX011055.D

Acq: 24 Jul 2019 12:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 77 Resp: 65033

Ion Ratio Lower Upper

77 100

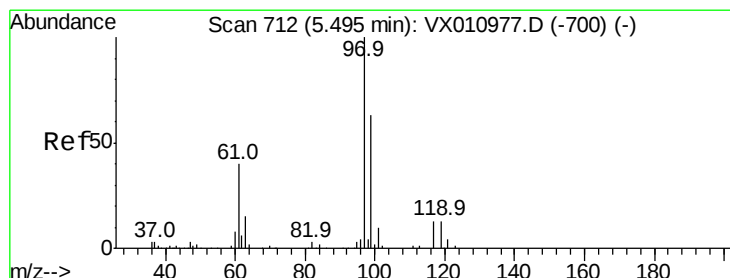
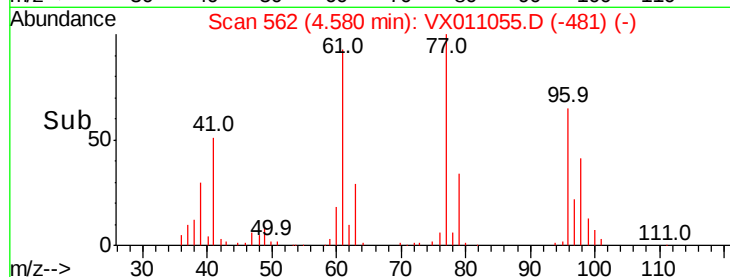
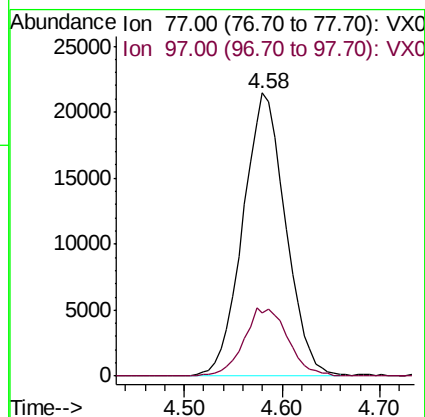
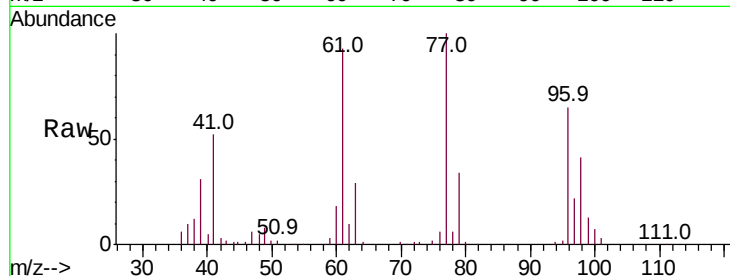
97 24.7 20.9 31.3

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#32

1,1,1-Trichloroethane

Concen: 18.561 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX011055.D

Acq: 24 Jul 2019 12:15

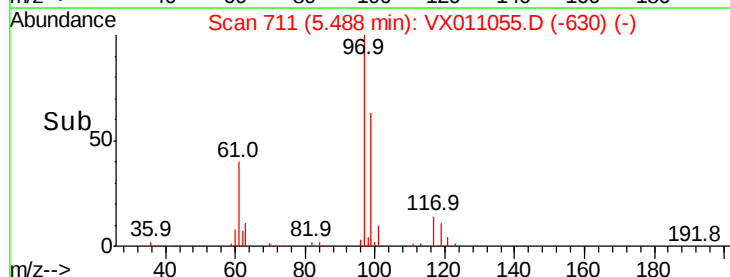
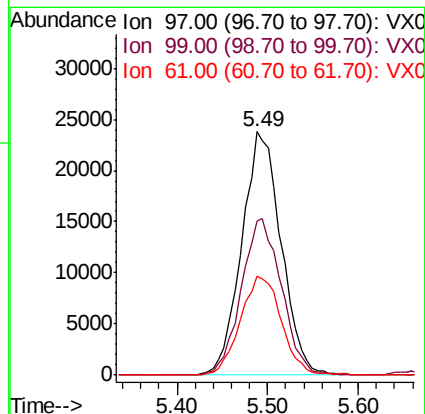
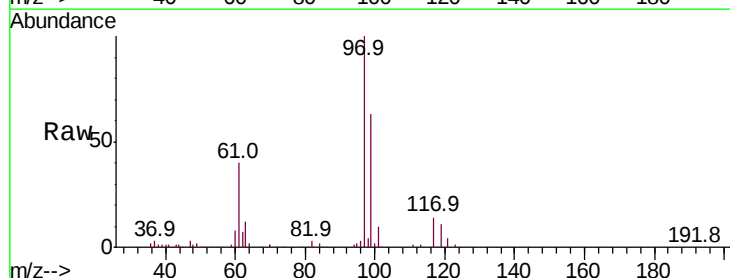
Tgt Ion: 97 Resp: 71615

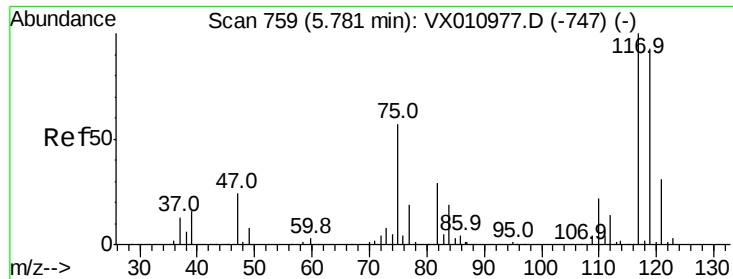
Ion Ratio Lower Upper

97 100

99 65.6 51.0 76.6

61 42.2 34.3 51.5





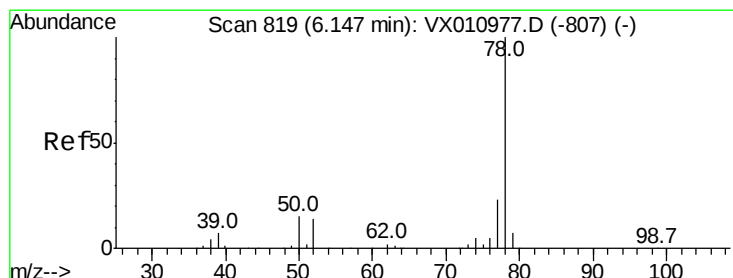
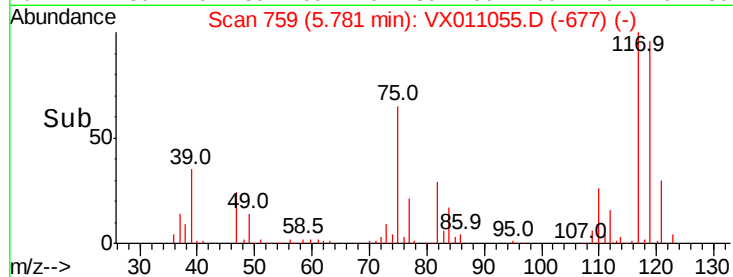
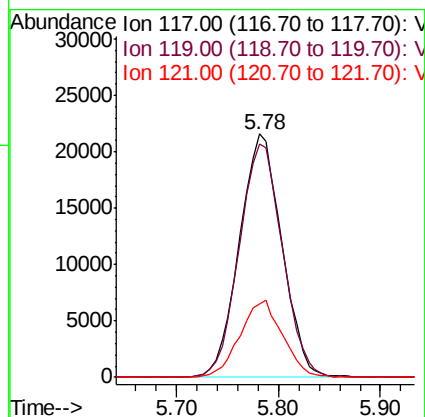
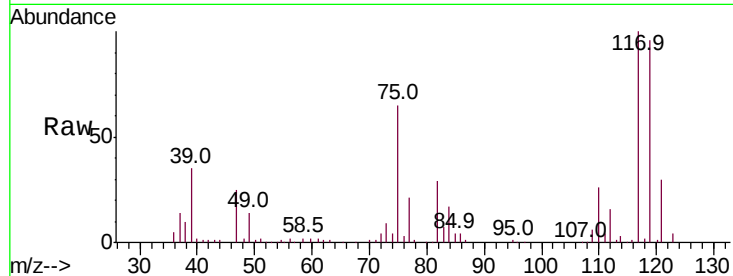
#33
Carbon Tetrachloride
Concen: 18.601 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX011055.D
Acq: 24 Jul 2019 12:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion:117 Resp: 62400
Ion Ratio Lower Upper
117 100
119 95.4 74.3 111.5
121 29.9 24.9 37.3

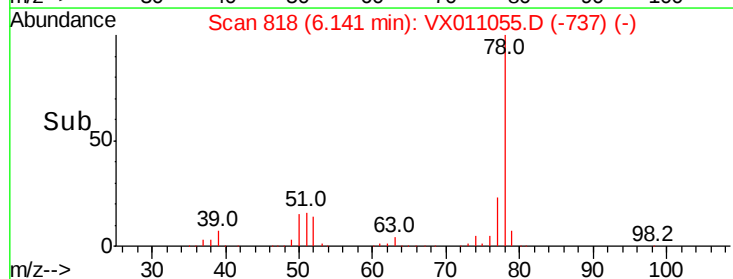
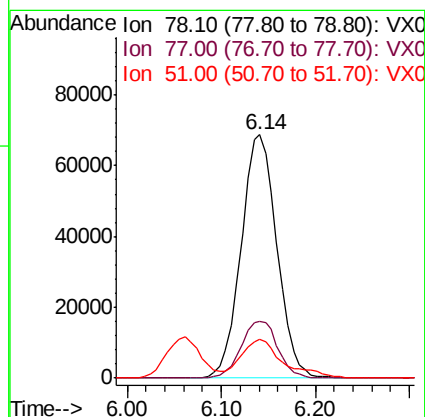
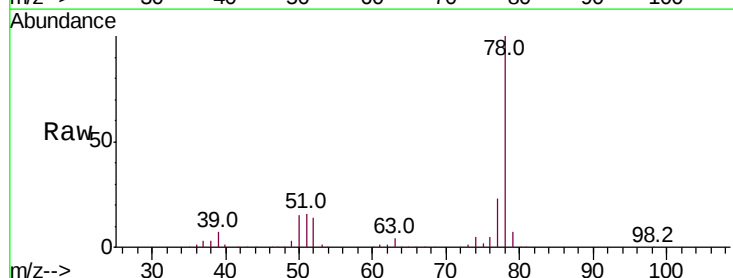
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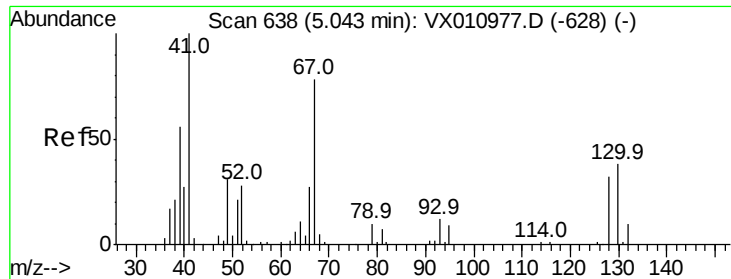
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#34
Benzene
Concen: 19.003 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX011055.D
Acq: 24 Jul 2019 12:15

Tgt Ion: 78 Resp: 182381
Ion Ratio Lower Upper
78 100
77 23.2 18.2 27.4
51 15.2 11.4 17.2





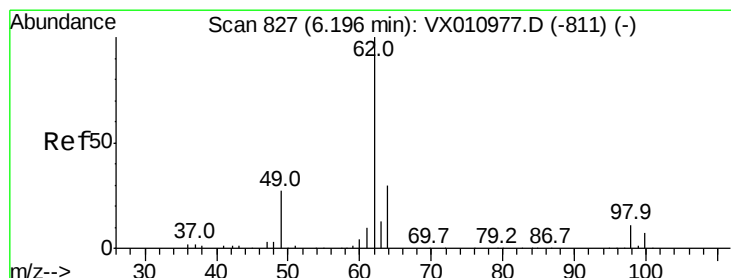
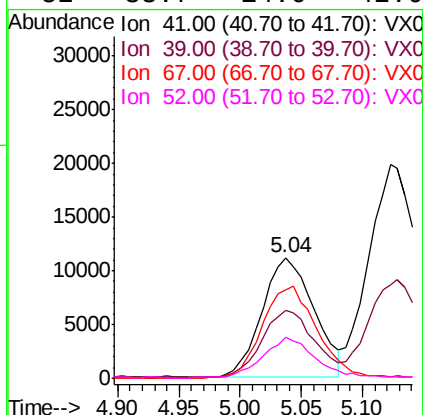
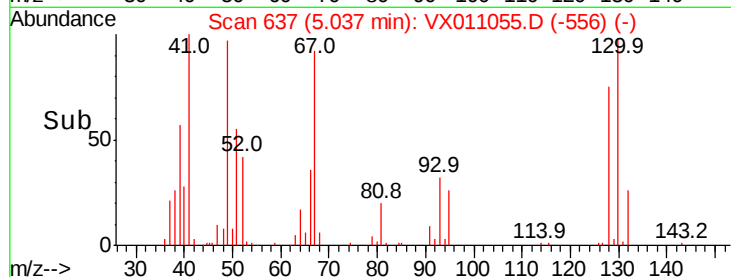
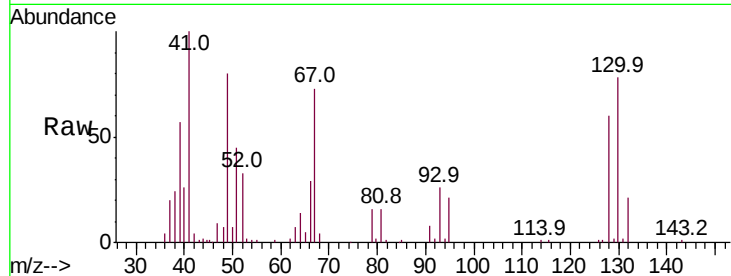
#35
Methacrylonitrile
Concen: 18.407 ug/l
RT: 5.04 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX011055.D
Acq: 24 Jul 2019 12:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	54.9	27.6	82.8
67	73.3	39.1	117.2
52	33.7	14.0	42.0

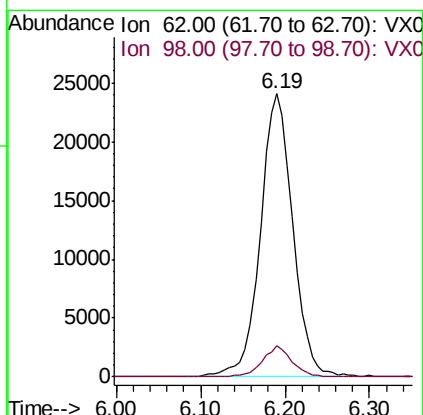
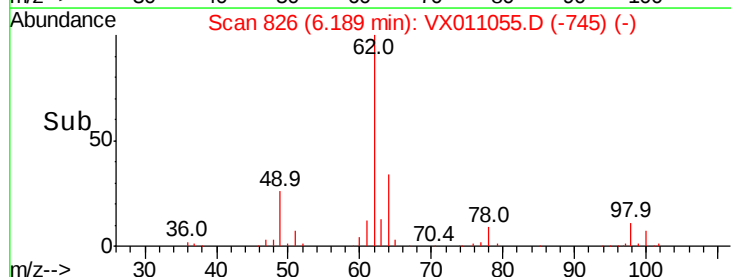
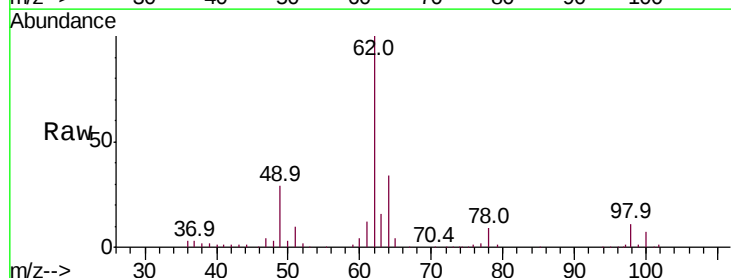
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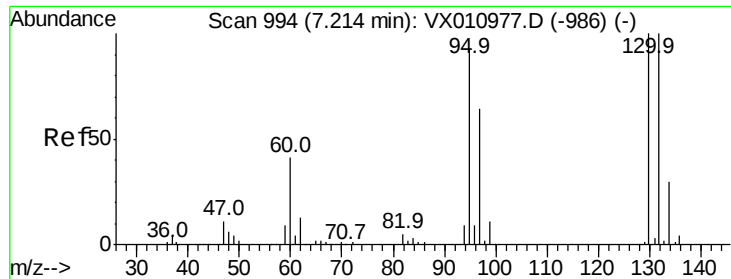
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#36
1,2-Dichloroethane
Concen: 18.535 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.01 min
Lab File: VX011055.D
Acq: 24 Jul 2019 12:15

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.9	8.0	12.0





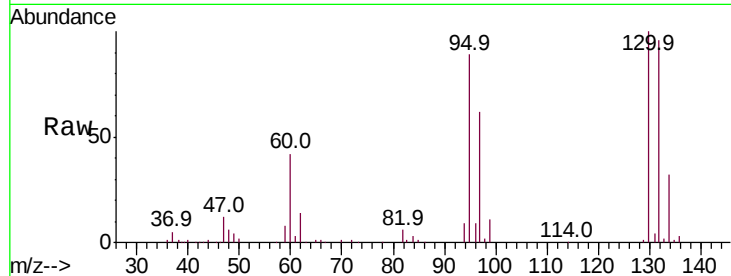
#37
 Trichloroethene
 Concen: 18.815 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX011055.D
 Acq: 24 Jul 2019 12:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

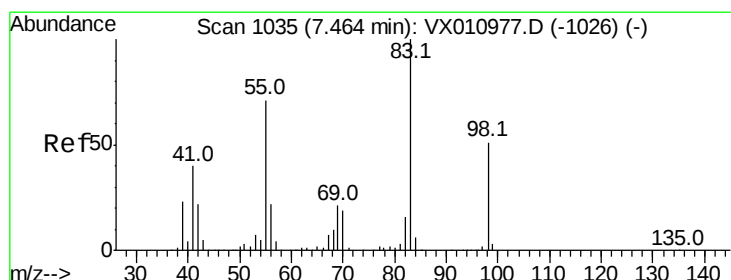
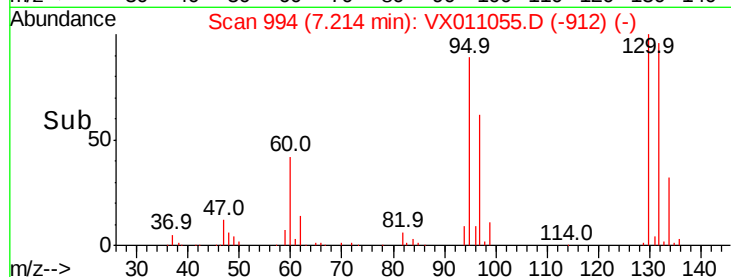
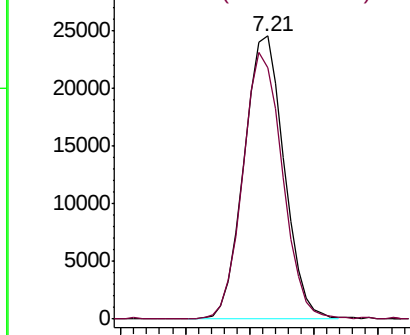
Tot Ion:130 Resp: 52868
 Ion Ratio Lower Upper
 130 100
 95 88.8 74.1 111.1

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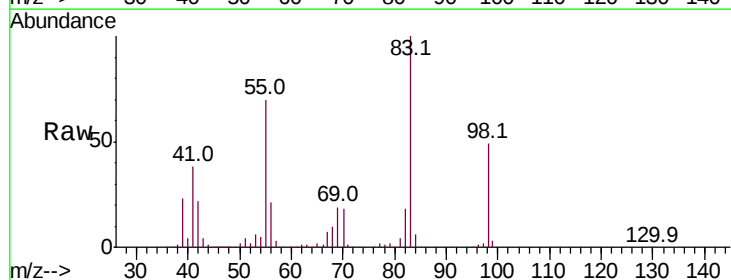


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VX0

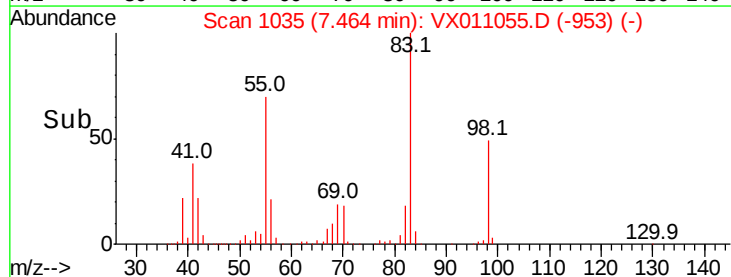
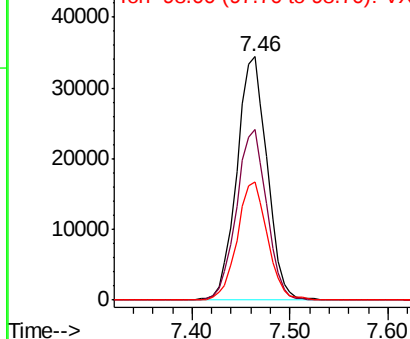


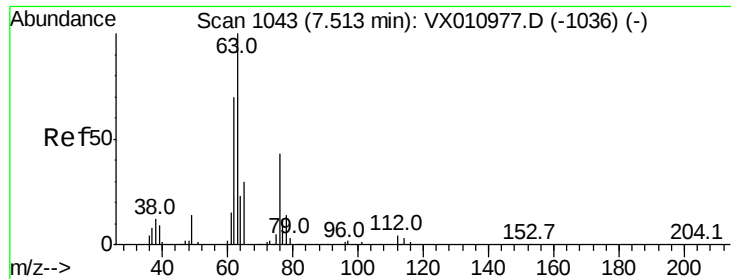
#38
 Methylcyclohexane
 Concen: 18.278 ug/l
 RT: 7.46 min Scan# 1035
 Delta R.T. -0.00 min
 Lab File: VX011055.D
 Acq: 24 Jul 2019 12:15

Tgt Ion: 83 Resp: 73806
 Ion Ratio Lower Upper
 83 100
 55 70.2 35.3 105.9
 98 48.7 24.0 72.0



Abundance Ion 83.00 (82.70 to 83.70): VX0
 Ion 55.00 (54.70 to 55.70): VX0
 Ion 98.00 (97.70 to 98.70): VX0





#39

1,2-Dichloropropane

Concen: 18.956 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX011055.D

Acq: 24 Jul 2019 12:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 63 Resp: 45474

Ion Ratio Lower Upper

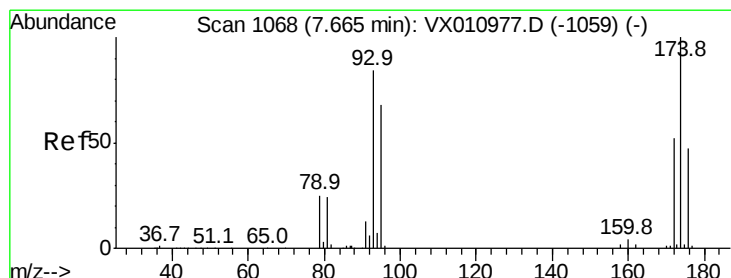
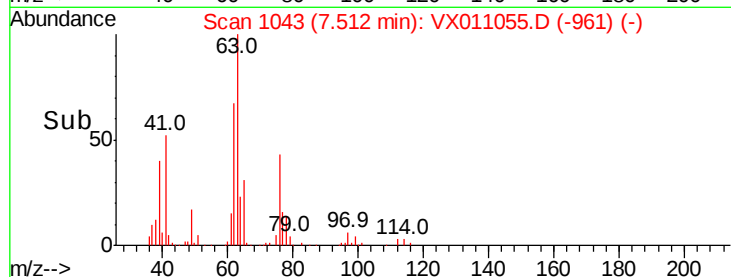
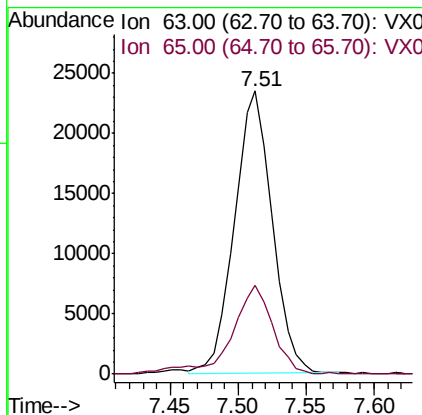
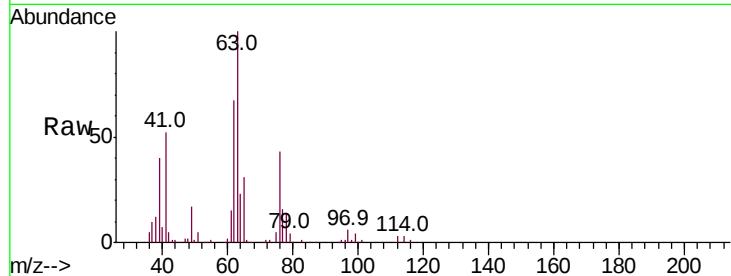
63 100

65 31.4 25.6 38.4

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#40

Dibromomethane

Concen: 19.367 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.01 min

Lab File: VX011055.D

Acq: 24 Jul 2019 12:15

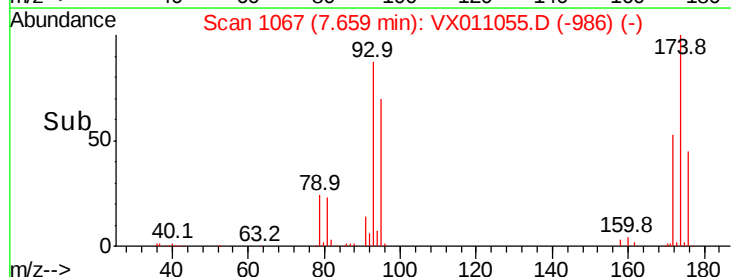
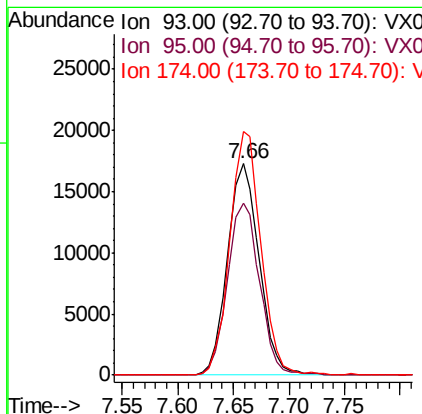
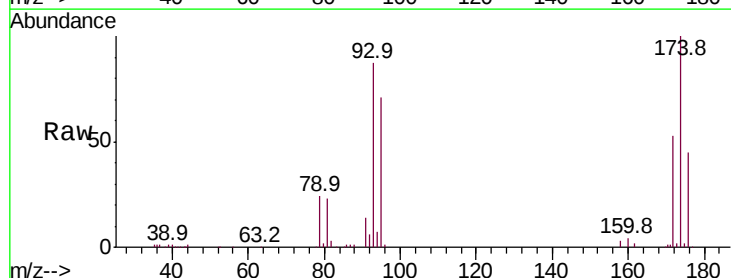
Tgt Ion: 93 Resp: 34171

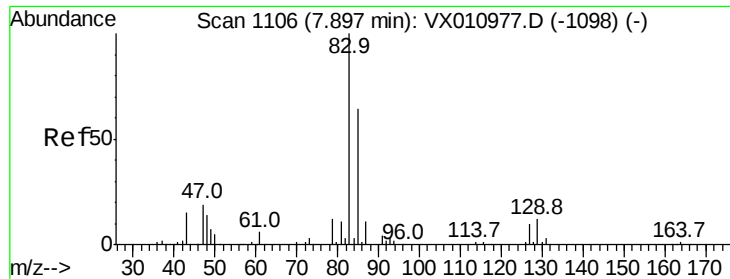
Ion Ratio Lower Upper

93 100

95 81.4 0.0 166.0

174 112.6 0.0 229.2





#41

Bromodichloromethane

Concen: 19.047 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX011055.D

Acq: 24 Jul 2019 12:15

Instrument :

MSVOA_X

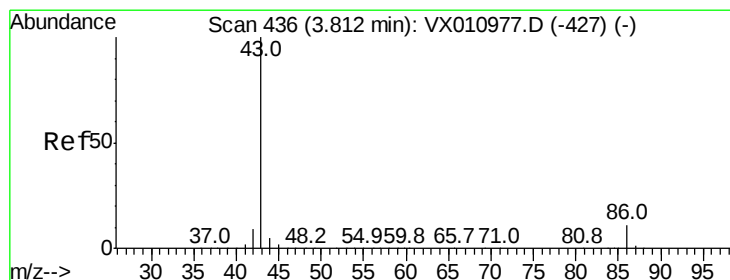
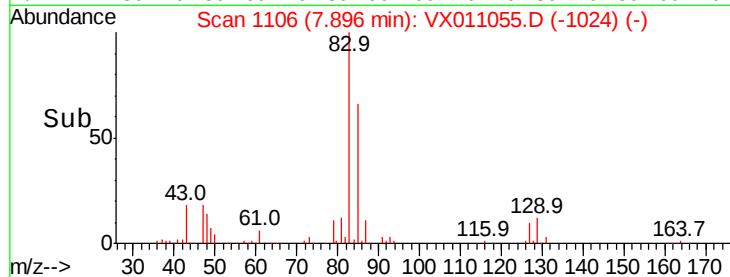
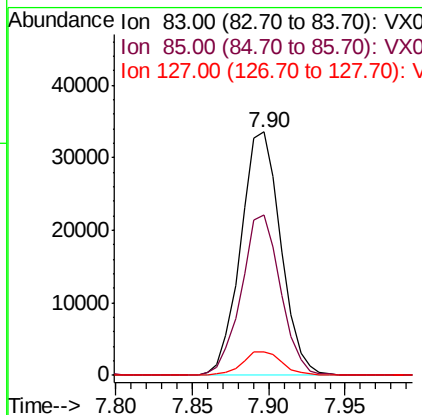
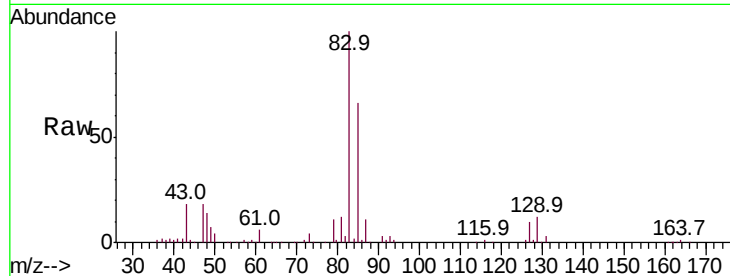
ClientSampleId :

VSTDCCC020

Tot Ion:	83	Resp:	61170
Ion	Ratio	Lower	Upper
83	100		
85	65.8	50.9	76.3
127	9.7	7.7	11.5

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#42

Vinyl Acetate

Concen: 95.837 ug/l

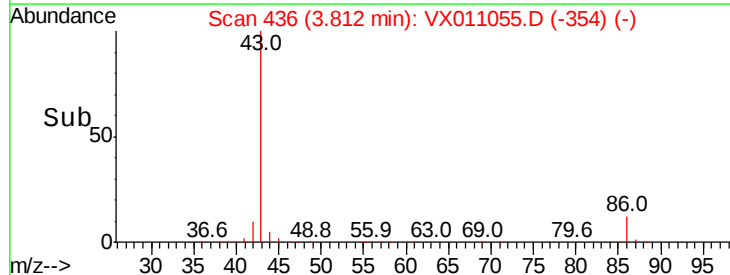
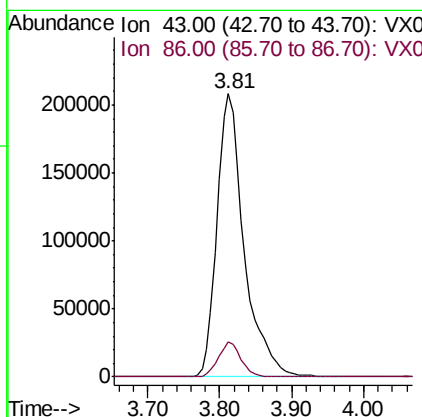
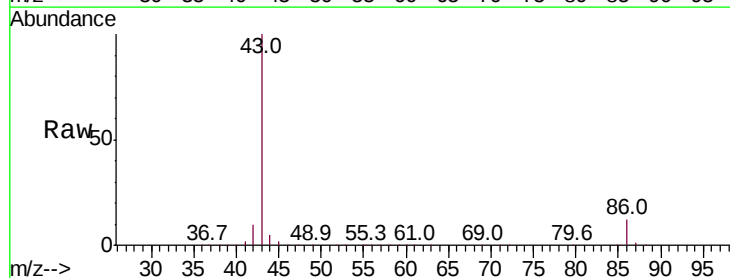
RT: 3.81 min Scan# 436

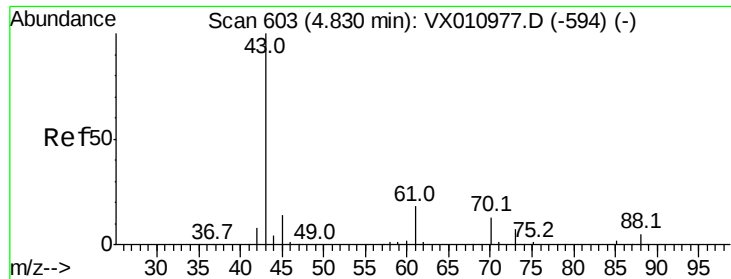
Delta R.T. -0.00 min

Lab File: VX011055.D

Acq: 24 Jul 2019 12:15

Tgt Ion:	43	Resp:	545325
Ion	Ratio	Lower	Upper
43	100		
86	10.4	8.2	12.2





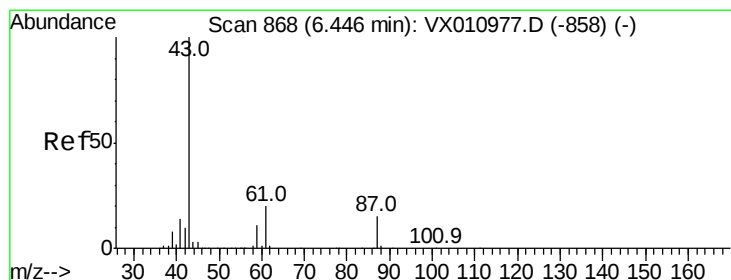
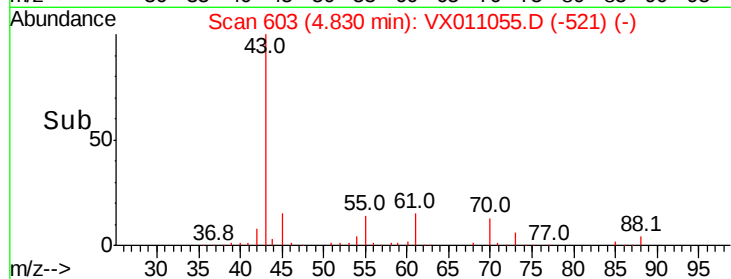
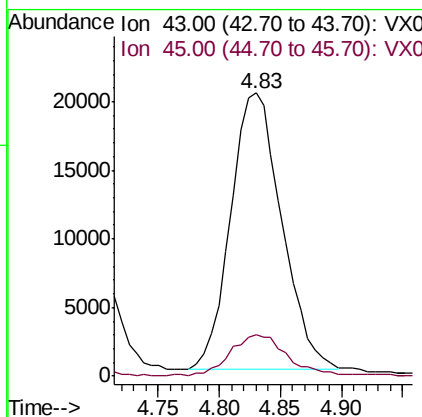
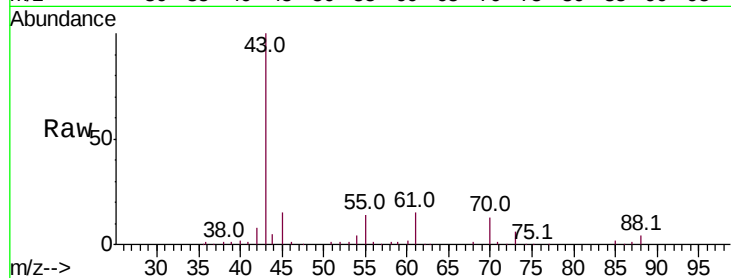
#43
Ethyl Acetate
Concen: 17.667 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.00 min
Lab File: VX011055.D
Acq: 24 Jul 2019 12:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion: 43 Resp: 58571
Ion Ratio Lower Upper
43 100
45 16.1 12.1 18.1

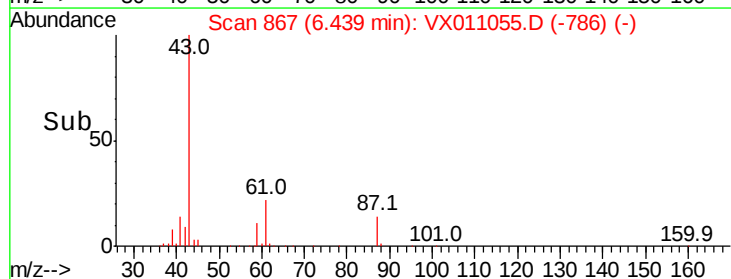
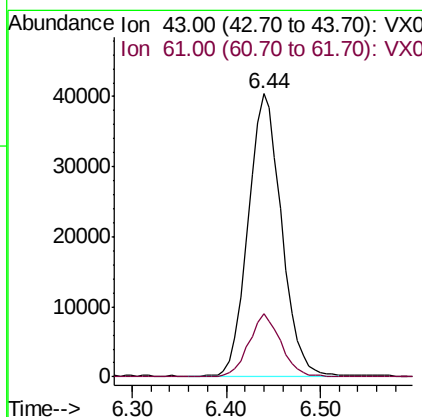
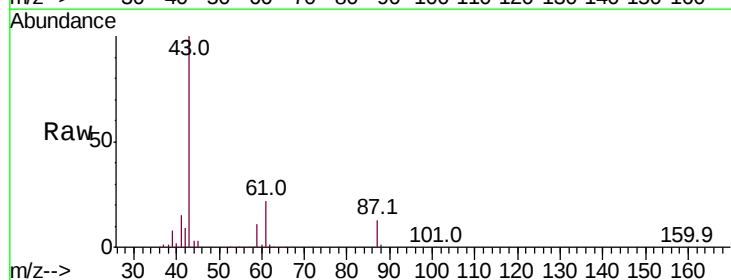
Manual Integrations
APPROVED

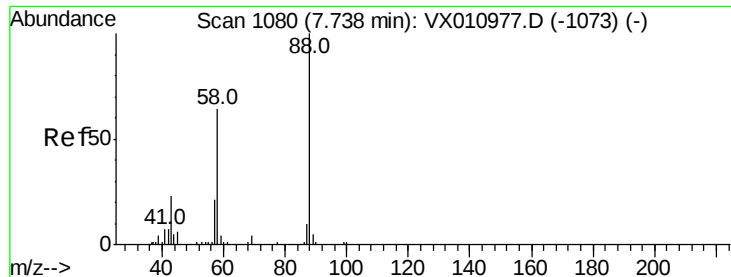
MMDadoda
7/25/2019 3:54:26 PM



#44
Isopropyl Acetate
Concen: 18.733 ug/l
RT: 6.44 min Scan# 867
Delta R.T. -0.01 min
Lab File: VX011055.D
Acq: 24 Jul 2019 12:15

Tgt Ion: 43 Resp: 101155
Ion Ratio Lower Upper
43 100
61 21.4 16.7 25.1





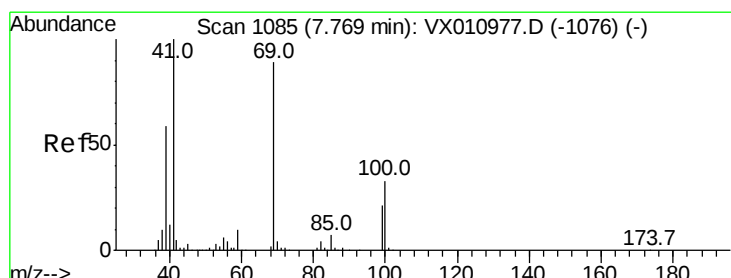
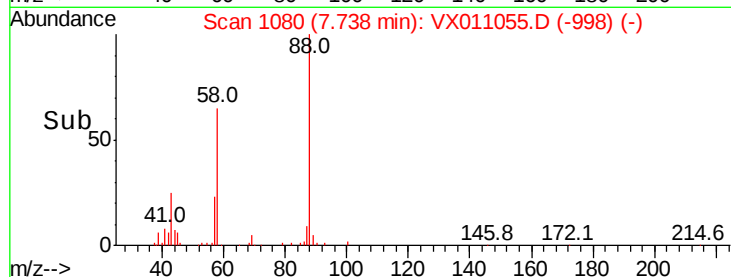
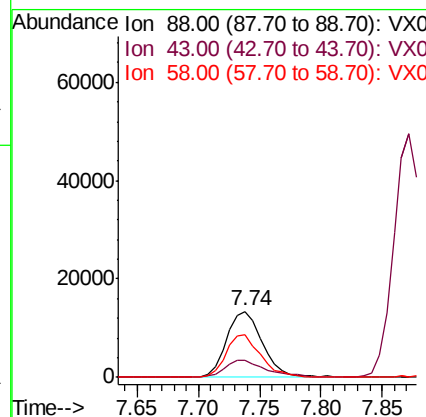
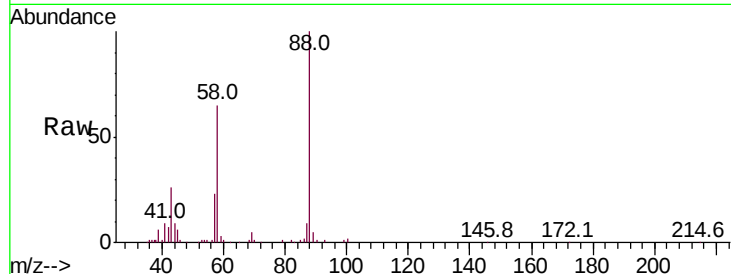
#45
1,4-Dioxane
Concen: 388.078 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX011055.D
Acq: 24 Jul 2019 12:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.5	21.6	32.4
58	63.7	52.2	78.2

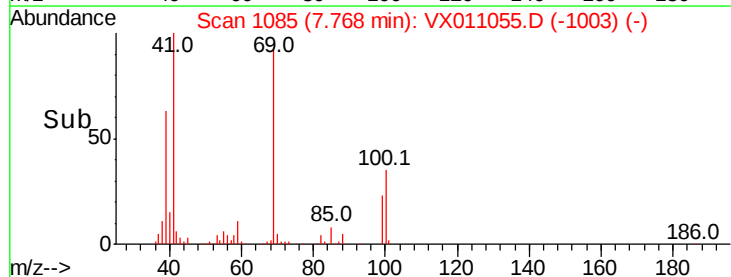
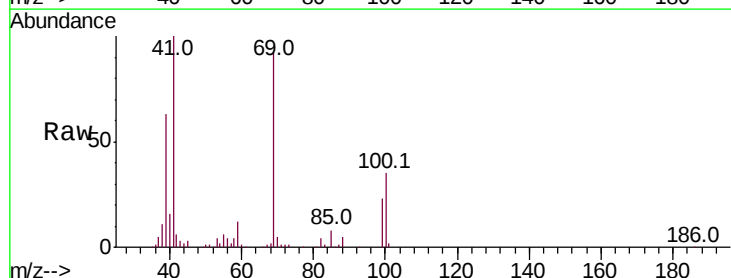
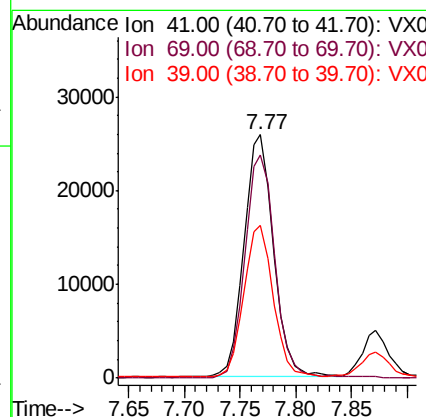
Manual Integrations
APPROVED

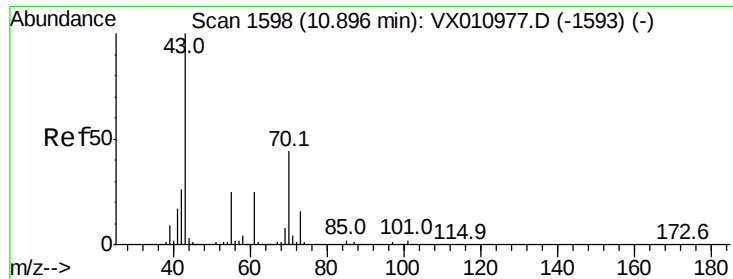
MMDadoda
7/25/2019 3:54:26 PM



#46
Methyl methacrylate
Concen: 18.137 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. -0.00 min
Lab File: VX011055.D
Acq: 24 Jul 2019 12:15

Tgt Ion	Ratio	Lower	Upper
41	100		
69	92.1	44.7	134.1
39	62.5	29.4	88.2





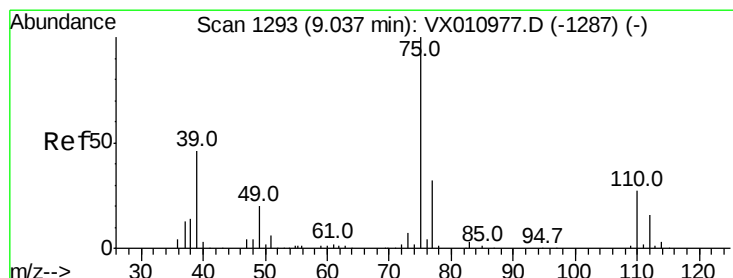
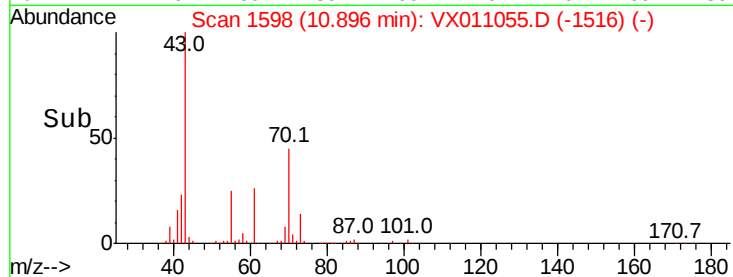
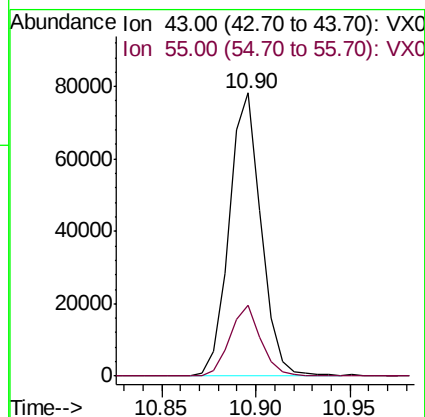
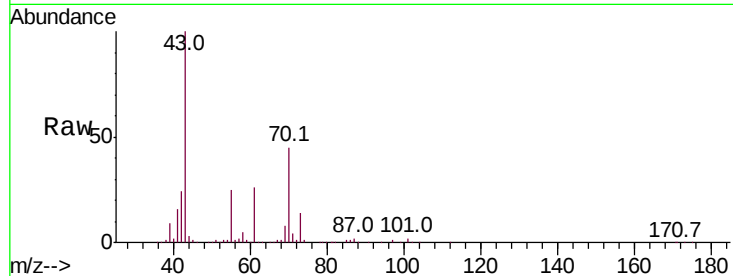
#47
n-amvl Acetate
Concen: 18.859 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VX011055.D
Acq: 24 Jul 2019 12:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion: 43 Resp: 91333
Ion Ratio Lower Upper
43 100
55 24.3 19.6 29.4

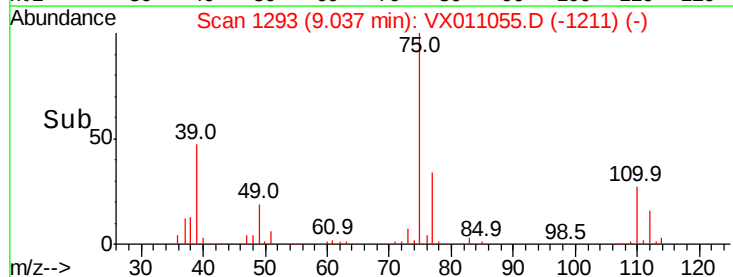
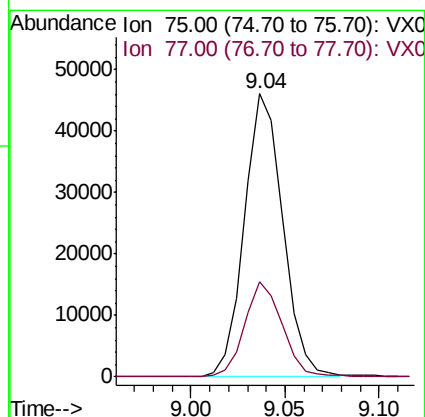
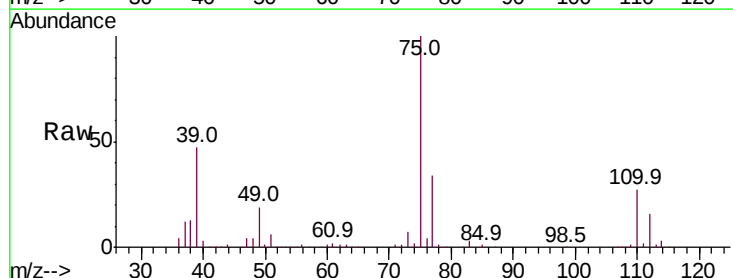
Manual Integrations
APPROVED

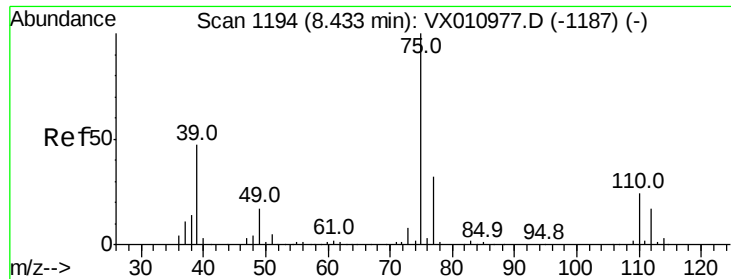
MMDadoda
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#48
t-1,3-Dichloropropene
Concen: 19.312 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. -0.00 min
Lab File: VX011055.D
Acq: 24 Jul 2019 12:15

Tgt Ion: 75 Resp: 65363
Ion Ratio Lower Upper
75 100
77 33.7 25.7 38.5





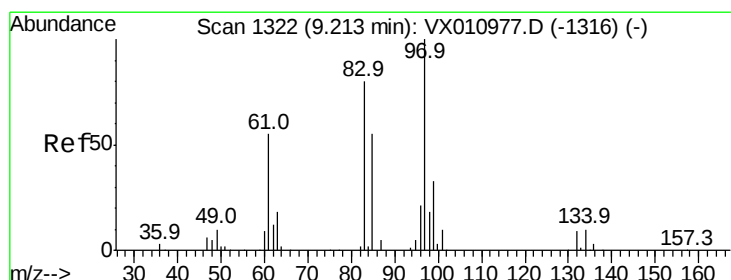
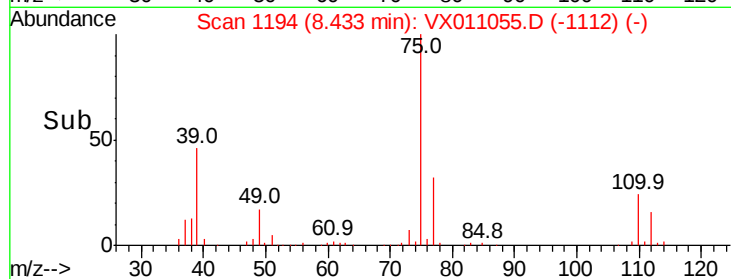
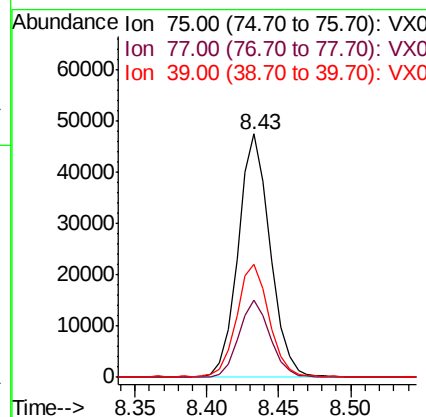
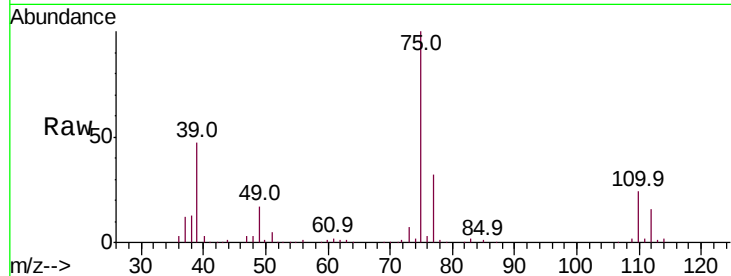
#49
 cis-1,3-Dichloropropene
 Concen: 19.937 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX011055.D
 Acq: 24 Jul 2019 12:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.3	37.9
39	46.2	37.8	56.6

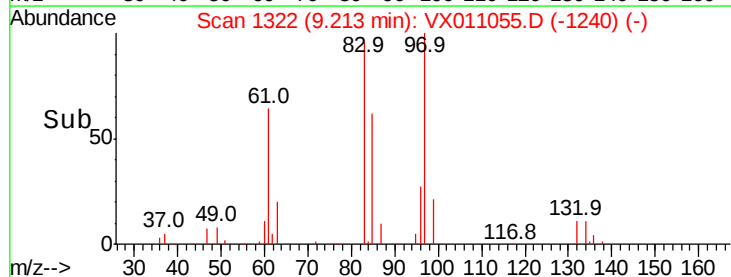
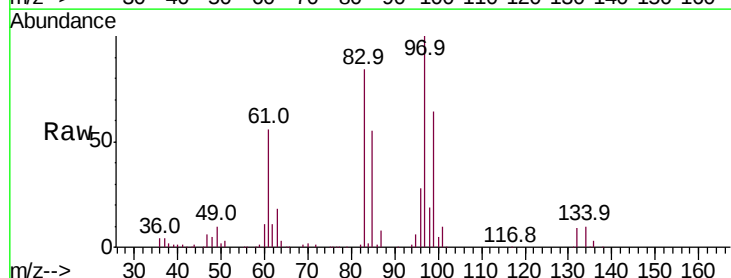
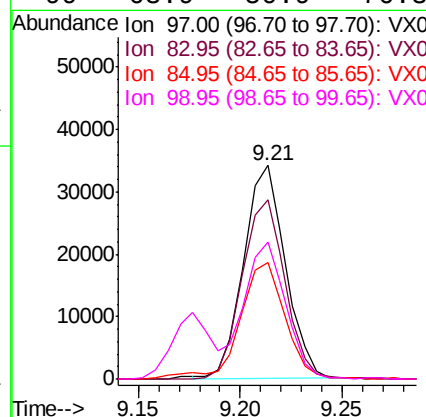
Manual Integrations
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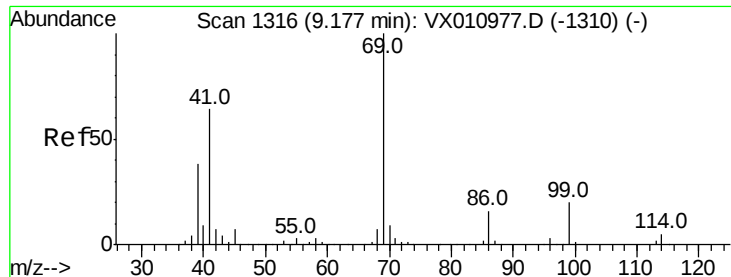
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#50
 1,1,2-Trichloroethane
 Concen: 18.719 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX011055.D
 Acq: 24 Jul 2019 12:15

Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.4	63.9	95.9
85	54.6	43.4	65.2
99	63.9	50.9	76.3





#51

Ethyl methacrylate

Concen: 18.570 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX011055.D

Acq: 24 Jul 2019 12:15

Instrument :

MSVOA_X

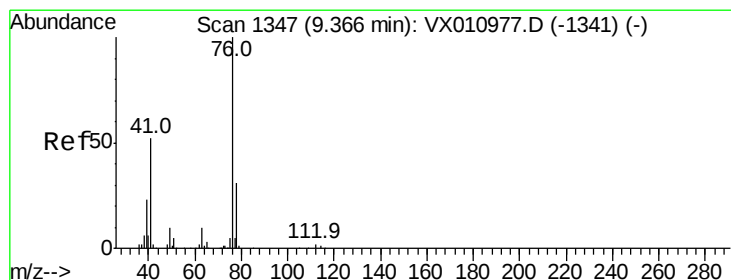
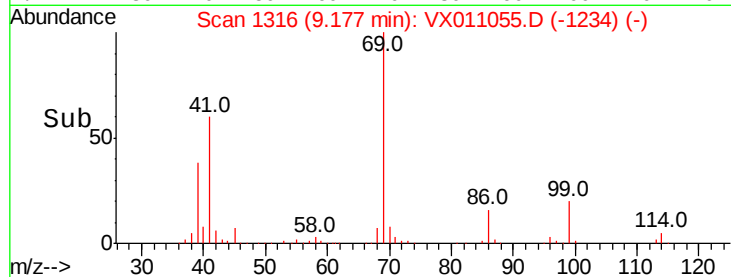
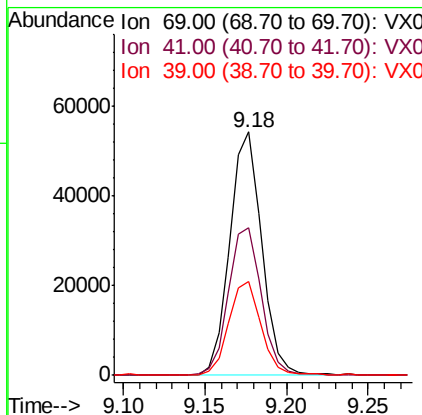
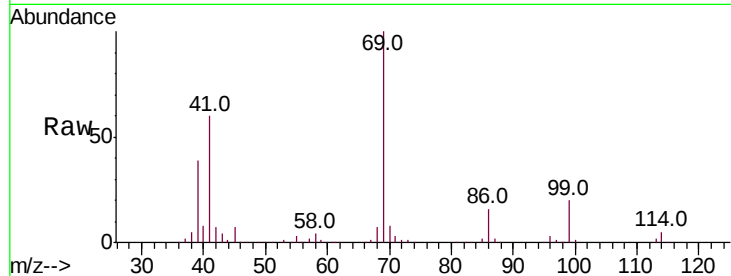
ClientSampleId :

VSTDCCC020

Tot Ion:	69	Resp:	74164
Ion	Ratio	Lower	Upper
69	100		
41	60.2	32.1	96.3
39	38.4	19.1	57.3

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 18.847 ug/l

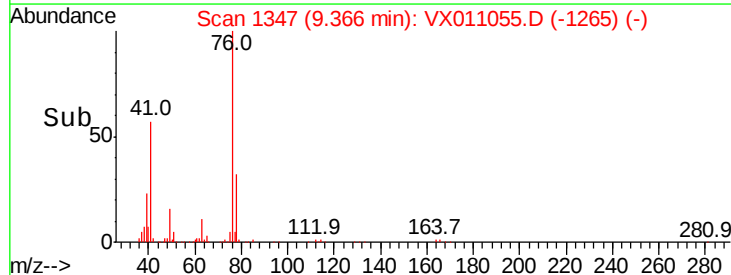
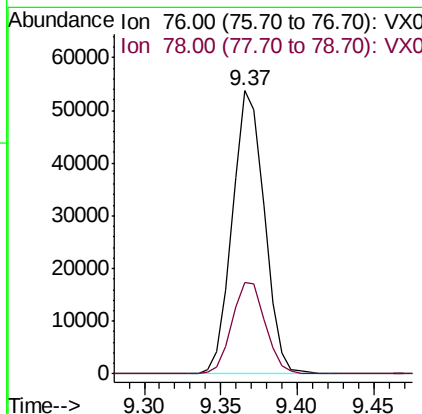
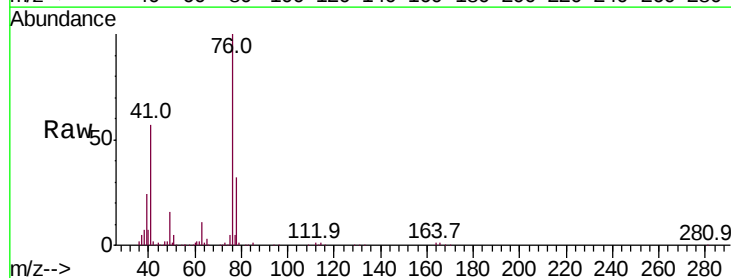
RT: 9.37 min Scan# 1347

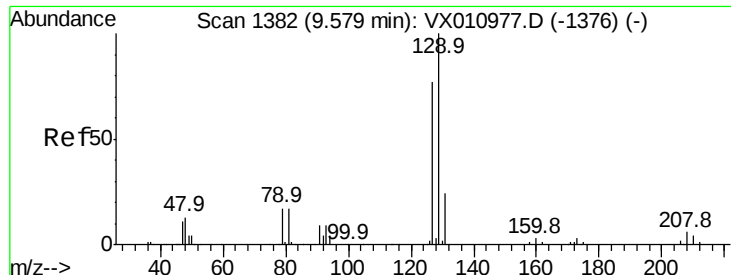
Delta R.T. -0.00 min

Lab File: VX011055.D

Acq: 24 Jul 2019 12:15

Tgt Ion:	76	Resp:	78205
Ion	Ratio	Lower	Upper
76	100		
78	33.4	0.0	63.8





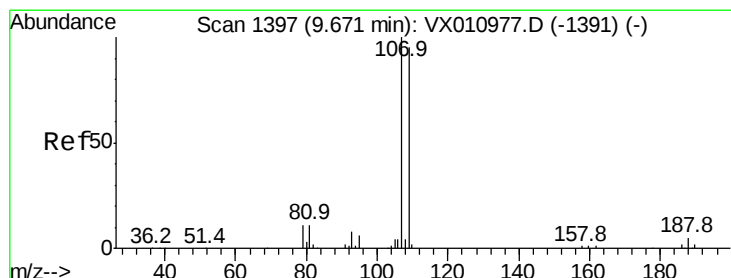
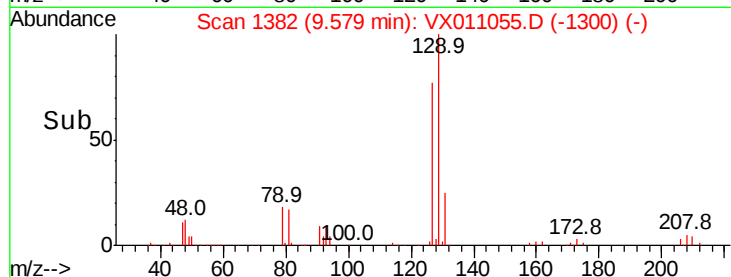
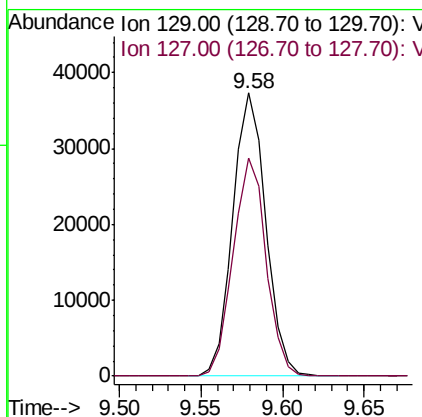
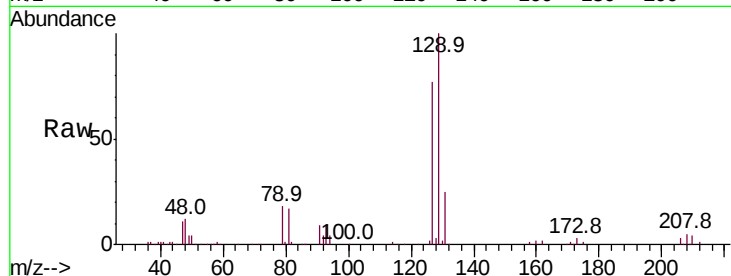
#53
Dibromochloromethane
Concen: 18.925 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX011055.D
Acq: 24 Jul 2019 12:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion:129 Resp: 52779
Ion Ratio Lower Upper
129 100
127 76.7 38.1 114.3

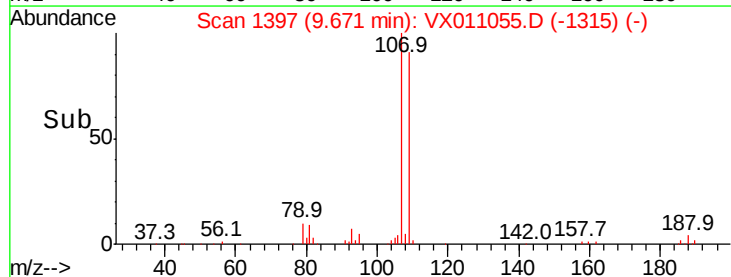
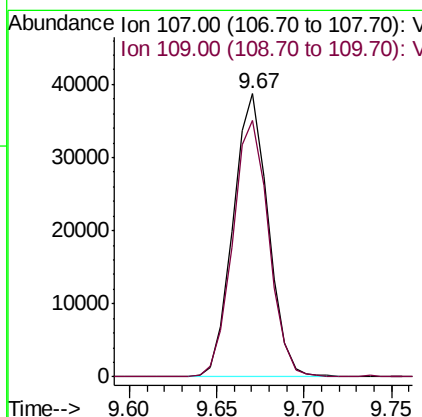
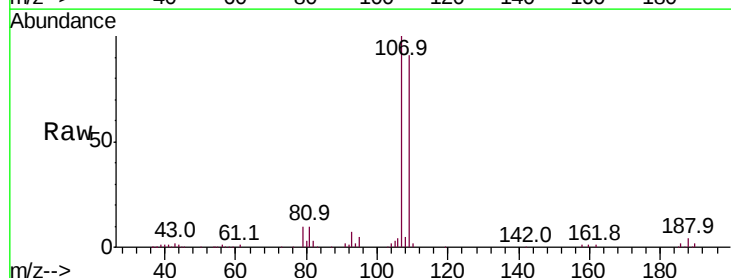
Manual Integrations
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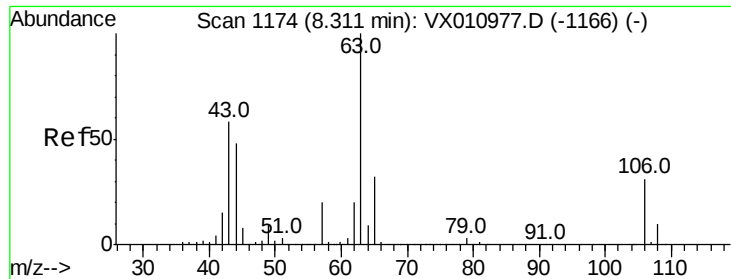
MMDadoda
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#54
1,2-Dibromoethane
Concen: 19.296 ug/l
RT: 9.67 min Scan# 1397
Delta R.T. -0.00 min
Lab File: VX011055.D
Acq: 24 Jul 2019 12:15

Tgt Ion:107 Resp: 54149
Ion Ratio Lower Upper
107 100
109 92.9 77.1 115.7





#55

2-Chloroethyl vinyl ether

Concen: 97.431 ug/l

RT: 8.30 min Scan# 1173

Delta R.T. -0.01 min

Lab File: VX011055.D

Acq: 24 Jul 2019 12:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 63 Resp: 164776

Ion Ratio Lower Upper

63 100

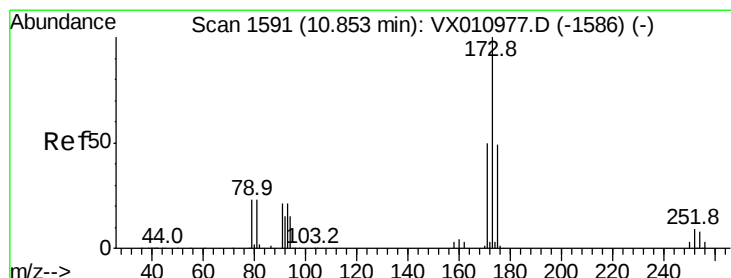
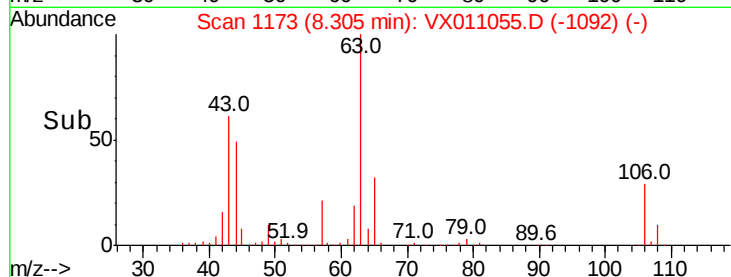
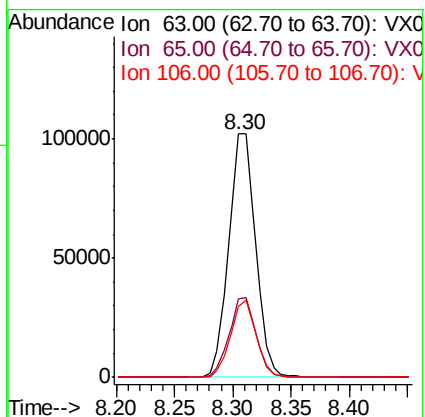
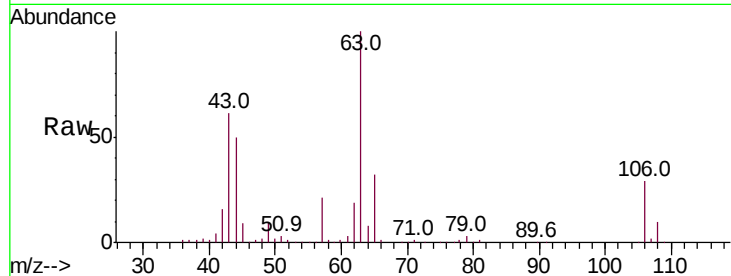
65 32.7 25.7 38.5

106 30.2 24.8 37.2

Manual Integrations
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#56

Bromoform

Concen: 18.430 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX011055.D

Acq: 24 Jul 2019 12:15

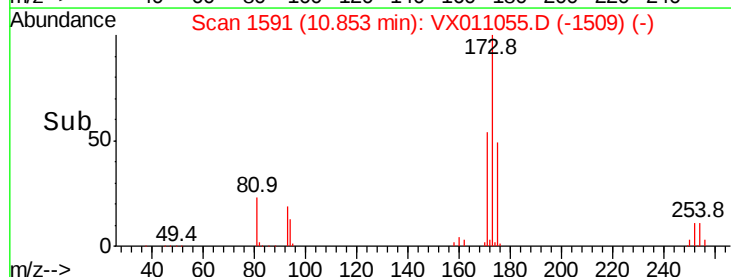
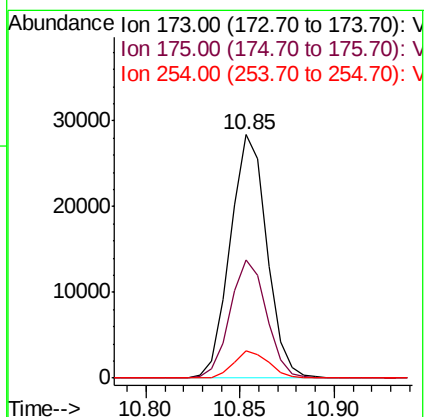
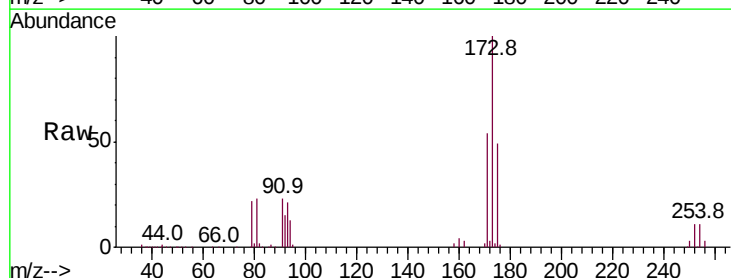
Tgt Ion:173 Resp: 38279

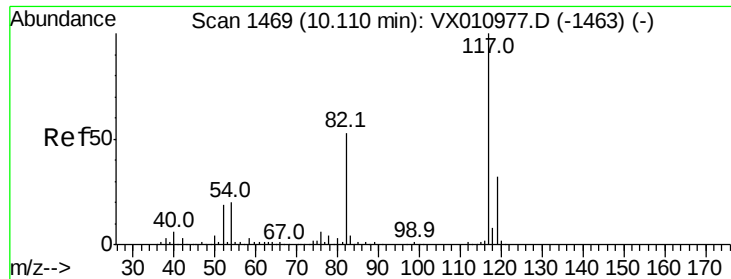
Ion Ratio Lower Upper

173 100

175 48.6 39.0 58.6

254 10.5 7.9 11.9





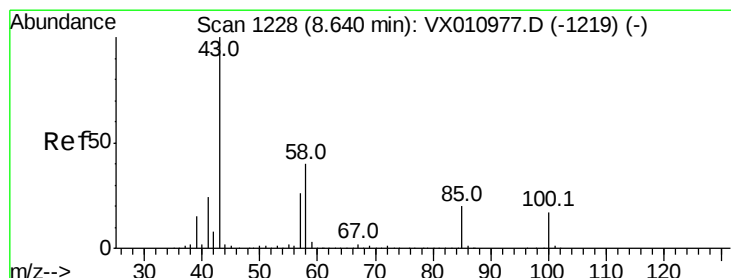
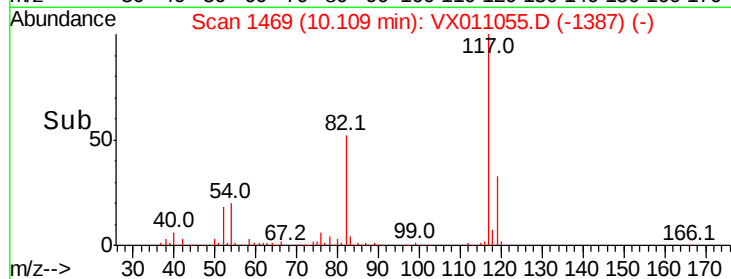
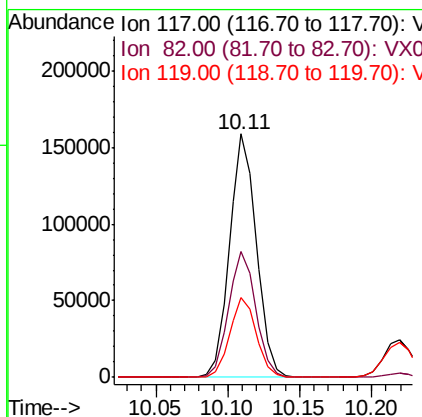
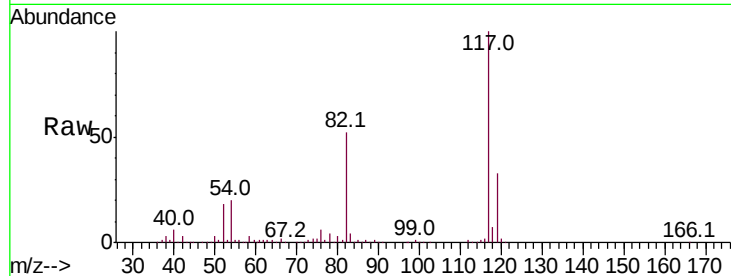
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011055.D
Acq: 24 Jul 2019 12:15

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.3	41.6	62.4
119	32.5	26.0	39.0

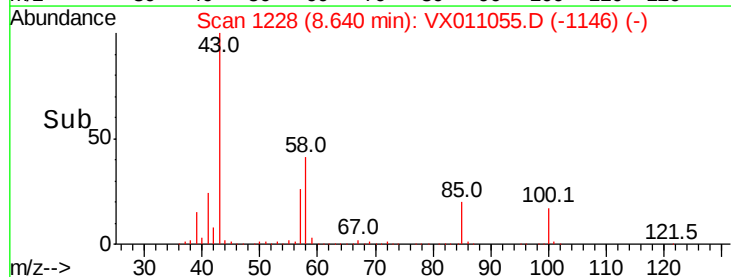
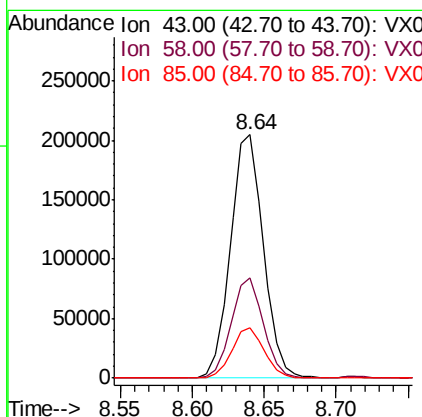
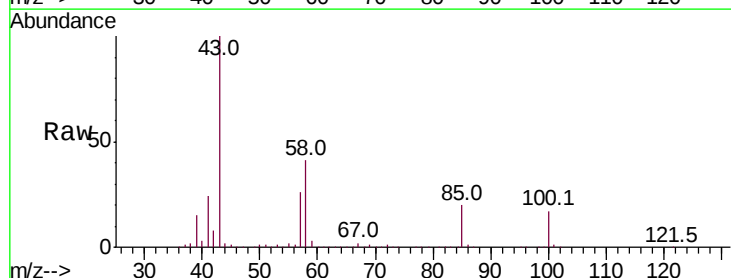
Manual Integrations
APPROVED

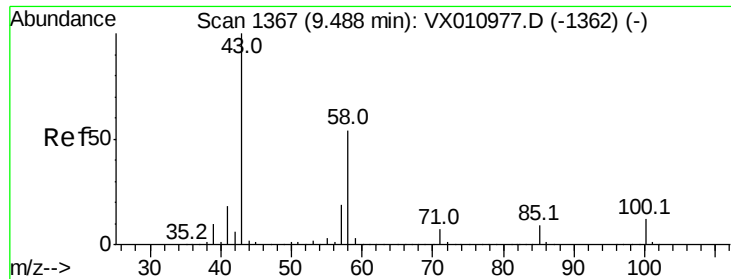
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 92.915 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX011055.D
Acq: 24 Jul 2019 12:15

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.2	32.6	48.8
85	20.1	15.8	23.6





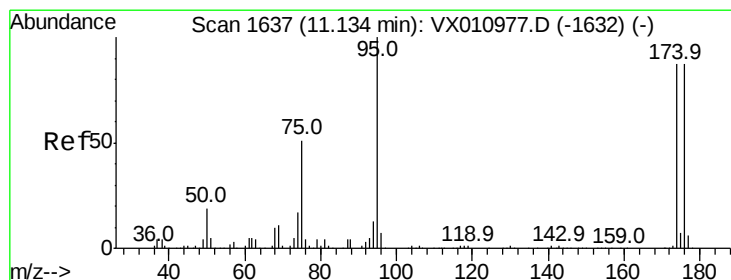
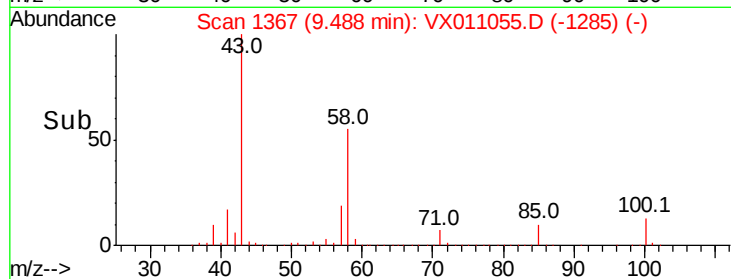
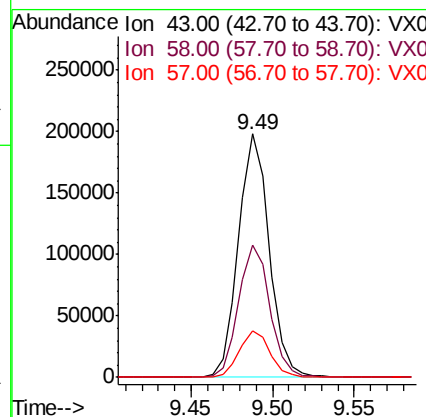
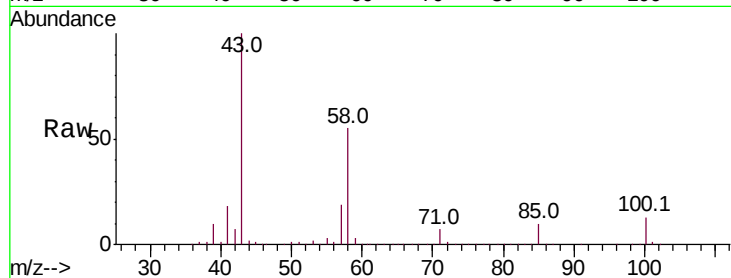
#59
2-Hexanone
Concen: 96.774 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX011055.D
Acq: 24 Jul 2019 12:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.5	44.7	67.1
57	19.3	15.4	23.2

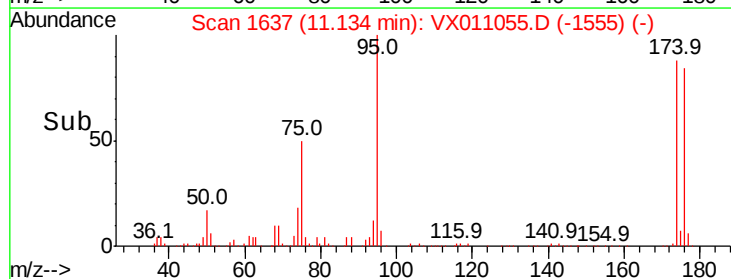
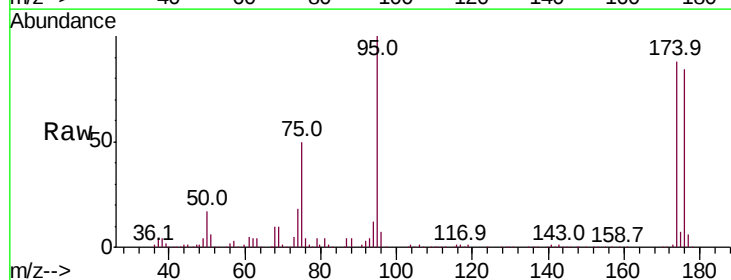
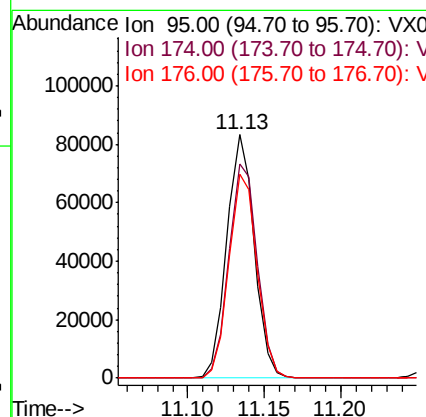
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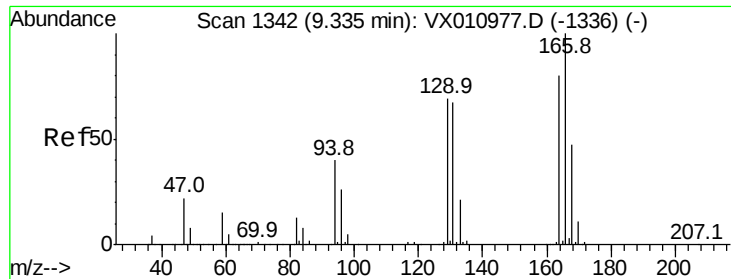
MMDadoda
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#60
4-Bromofluorobenzene
Concen: 30.164 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX011055.D
Acq: 24 Jul 2019 12:15

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.5	73.3	109.9
176	86.2	71.2	106.8





#61

Tetrachloroethene

Concen: 19.322 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX011055.D

Acq: 24 Jul 2019 12:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion:164 Resp: 53076

Ion Ratio Lower Upper

164 100

166 131.4 100.1 150.1

129 89.6 69.6 104.4

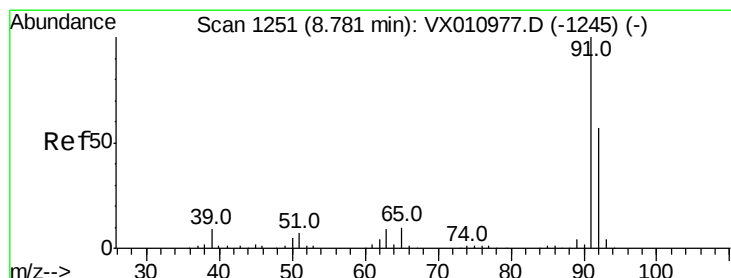
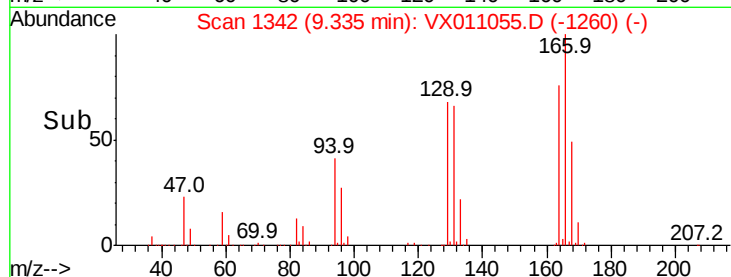
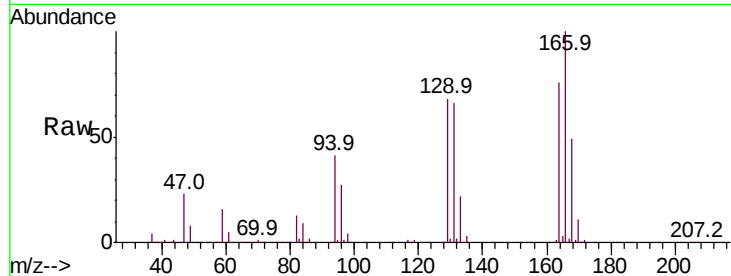
131 87.1 67.0 100.6

Manual Integrations

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#62

Toluene

Concen: 18.841 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX011055.D

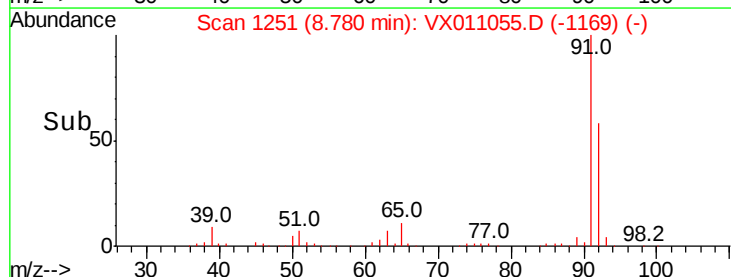
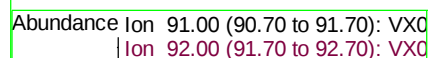
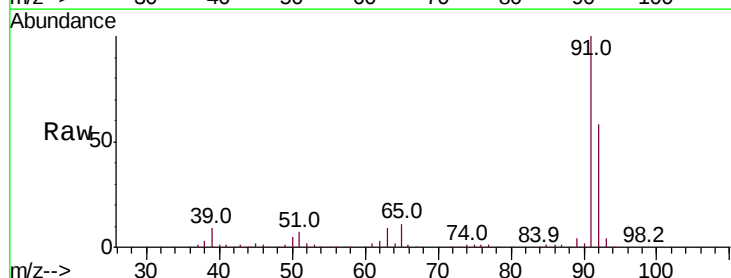
Acq: 24 Jul 2019 12:15

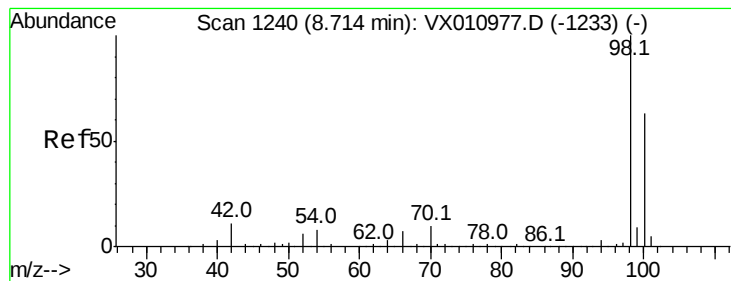
Tgt Ion: 91 Resp: 208236

Ion Ratio Lower Upper

91 100

92 56.8 45.4 68.2





#63

Toluene-d8

Concen: 29.824 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX011055.D

Acq: 24 Jul 2019 12:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 98 Resp: 272724

Ion Ratio Lower Upper

98 100

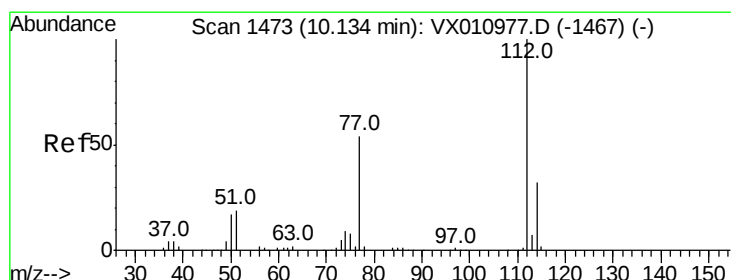
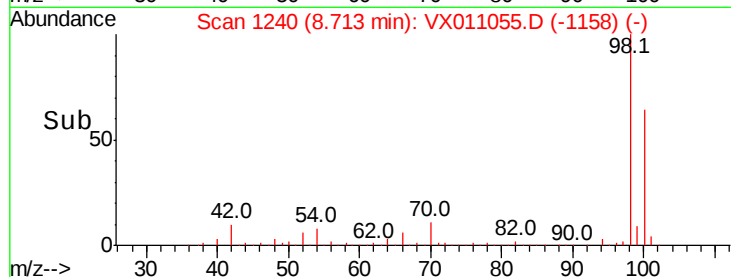
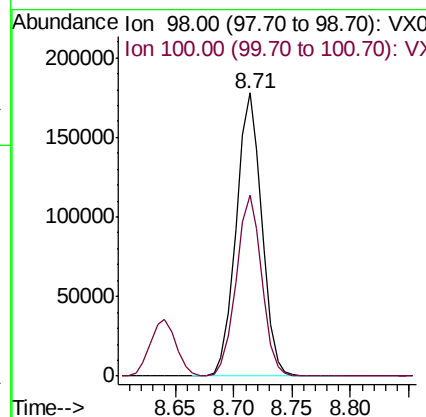
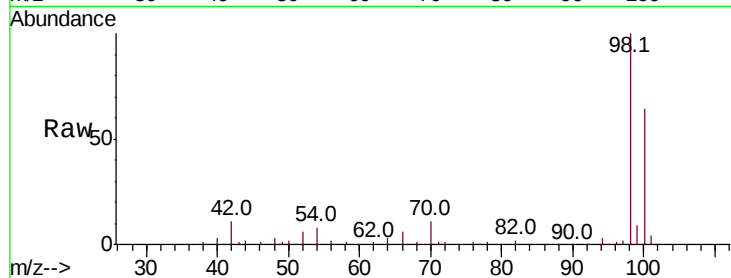
100 63.8 51.4 77.0

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#64

Chlorobenzene

Concen: 19.379 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.00 min

Lab File: VX011055.D

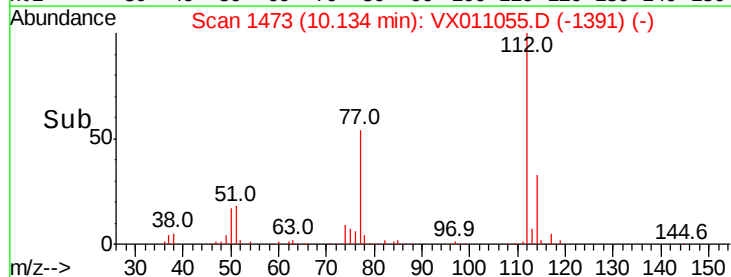
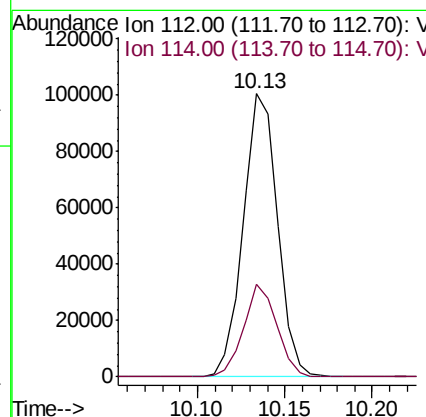
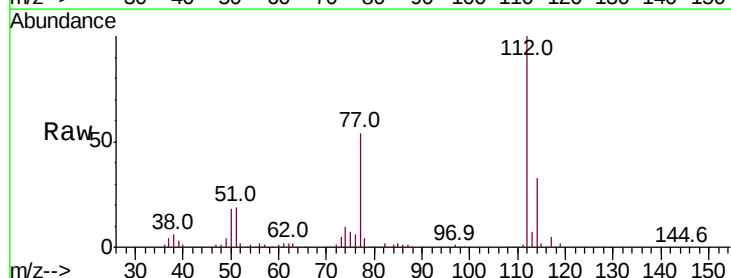
Acq: 24 Jul 2019 12:15

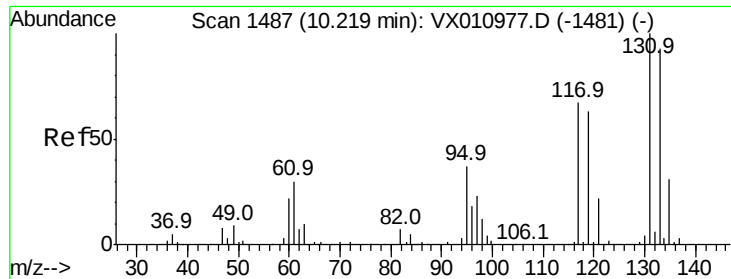
Tgt Ion: 112 Resp: 137226

Ion Ratio Lower Upper

112 100

114 32.7 25.3 37.9





#65

1,1,1,2-Tetrachloroethane

Concen: 19.283 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX011055.D

Acq: 24 Jul 2019 12:15

Instrument :

MSVOA_X

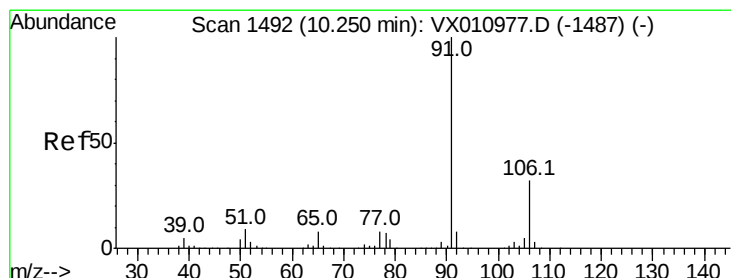
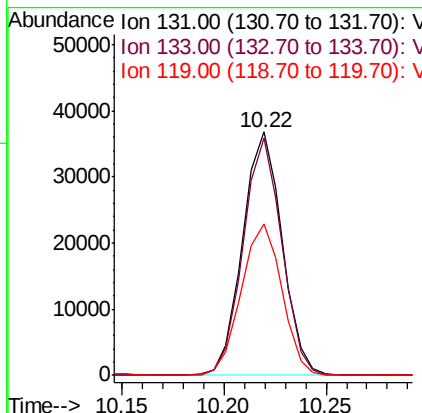
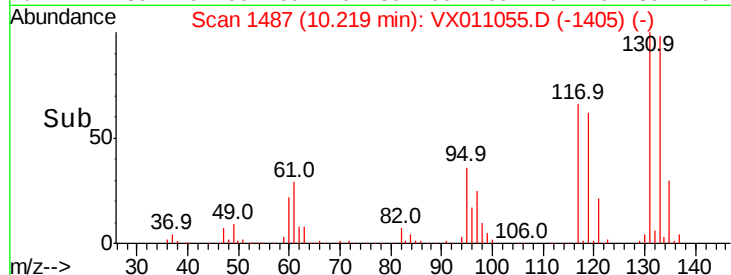
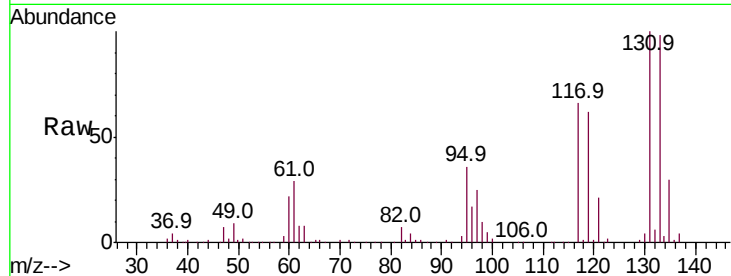
ClientSampleId :

VSTDCCC020

Tot Ion:	131	Resp:	49625
Ion	Ratio	Lower	Upper
131	100		
133	95.3	0.0	190.2
119	63.9	0.0	127.0

Manual Integrations
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#66

Ethyl Benzene

Concen: 18.877 ug/l

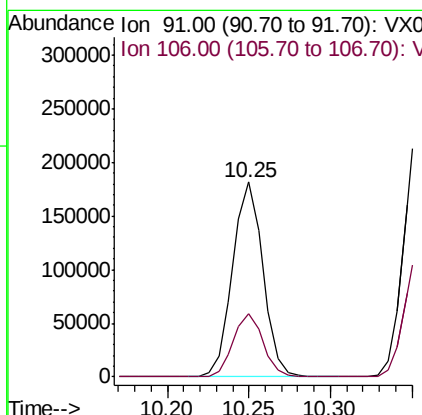
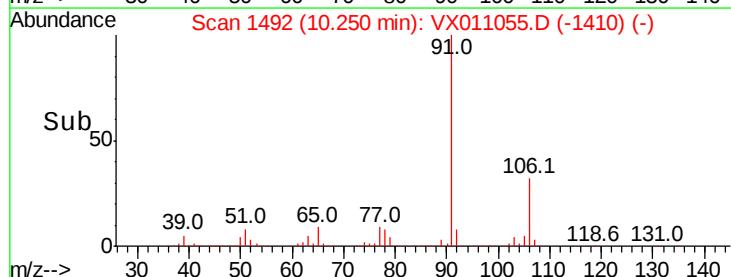
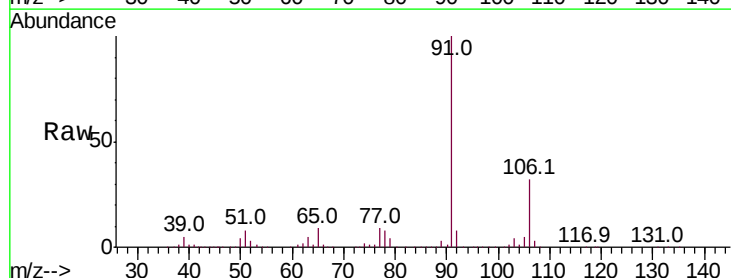
RT: 10.25 min Scan# 1492

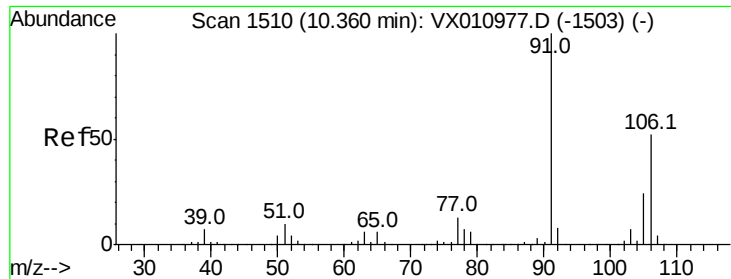
Delta R.T. -0.00 min

Lab File: VX011055.D

Acq: 24 Jul 2019 12:15

Tgt Ion:	91	Resp:	234875
Ion	Ratio	Lower	Upper
91	100		
106	32.3	25.8	38.8





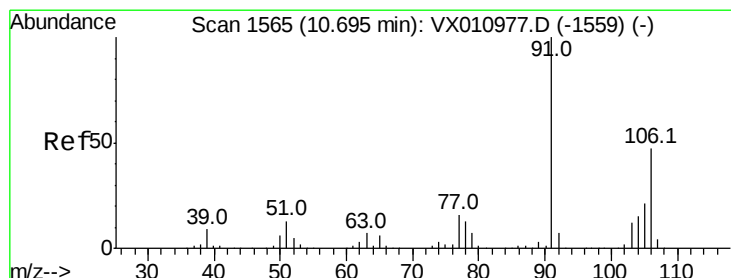
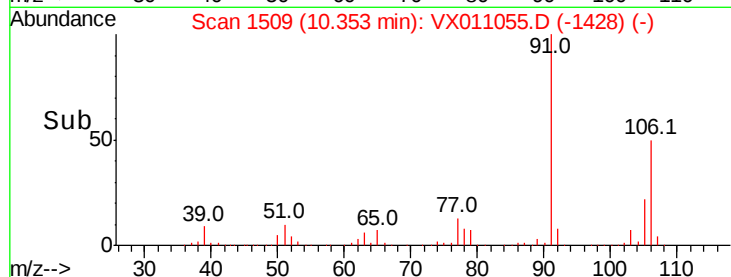
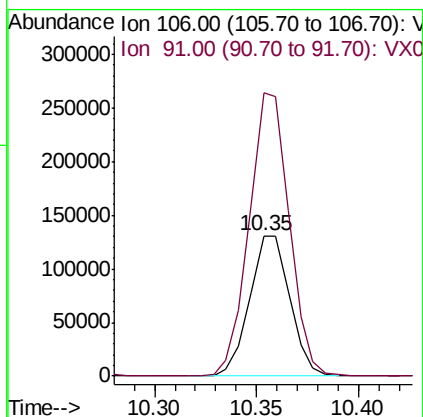
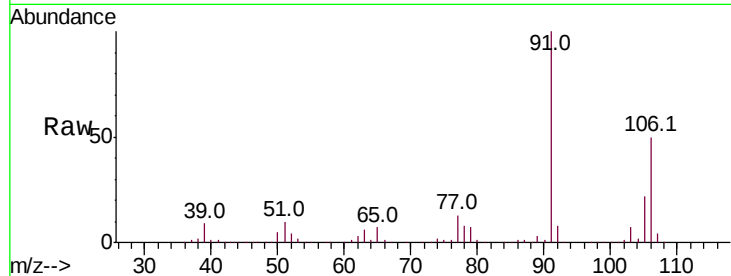
#67
m/p-Xylenes
Concen: 37.702 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX011055.D
Acq: 24 Jul 2019 12:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion:106 Resp: 179473
Ion Ratio Lower Upper
106 100
91 202.0 156.6 235.0

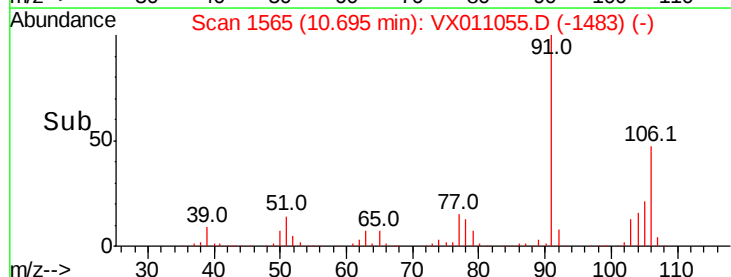
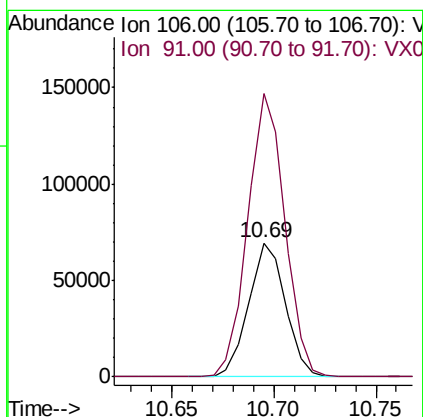
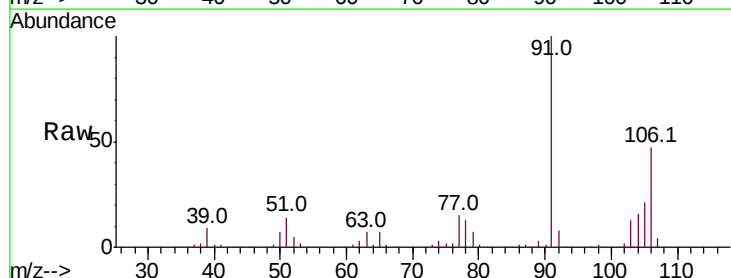
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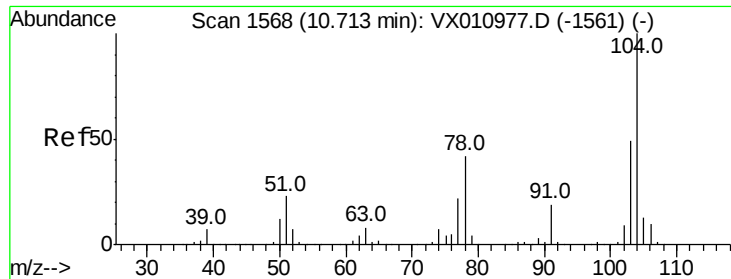
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#68
o-Xylene
Concen: 18.832 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX011055.D
Acq: 24 Jul 2019 12:15

Tgt Ion:106 Resp: 87837
Ion Ratio Lower Upper
106 100
91 211.9 104.0 312.0





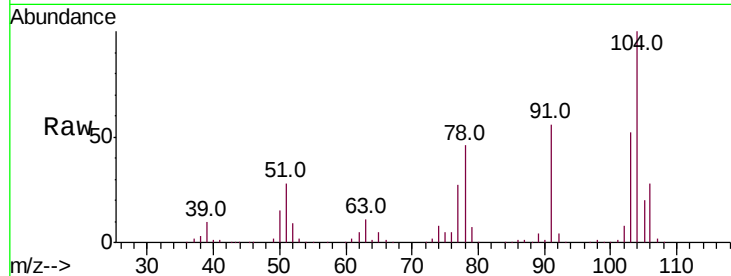
#69
Stvrene
Concen: 19.062 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX011055.D
Acq: 24 Jul 2019 12:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.9	38.5	57.7
103	55.6	44.6	67.0

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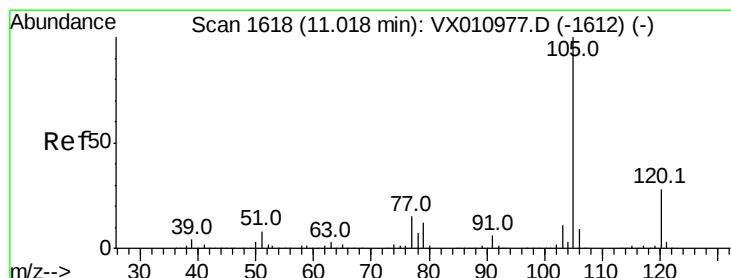
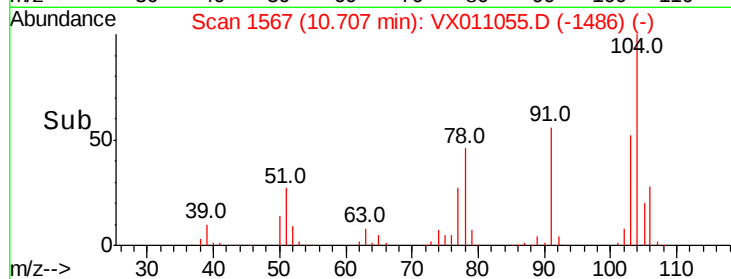
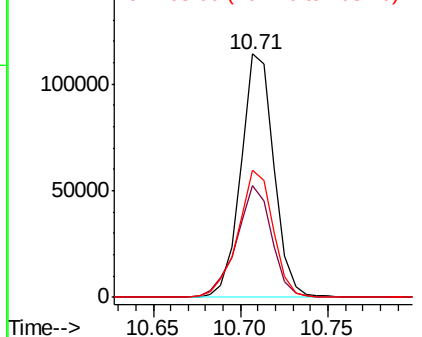


Abundance

Ion 104.00 (103.70 to 104.70): V

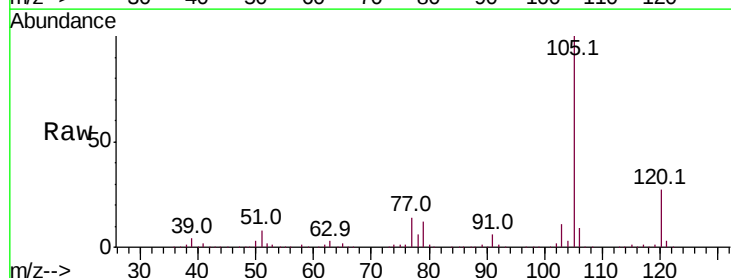
Ion 78.00 (77.70 to 78.70): VX

Ion 103.00 (102.70 to 103.70): V



#70
Isopropylbenzene
Concen: 19.504 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX011055.D
Acq: 24 Jul 2019 12:15

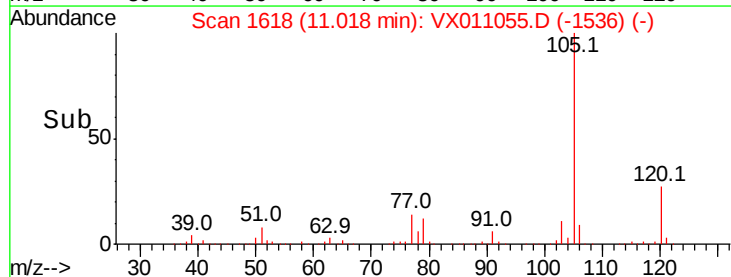
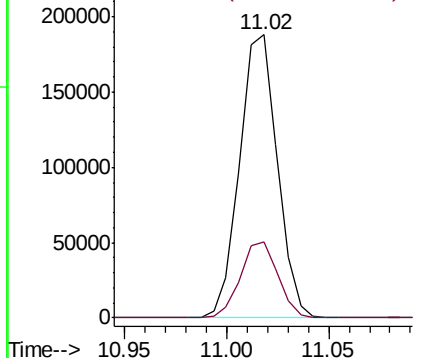
Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.6	19.4	36.0

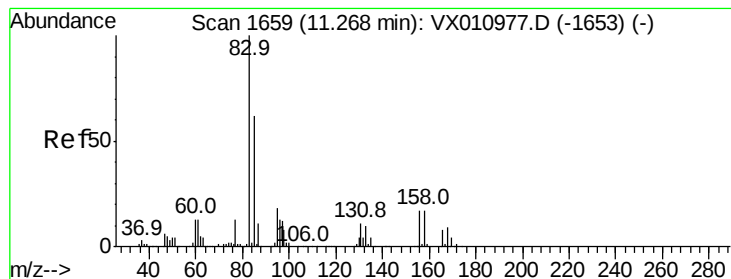


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#71

1,1,2,2-Tetrachloroethane

Concen: 18.977 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX011055.D

Acq: 24 Jul 2019 12:15

Instrument :

MSVOA_X

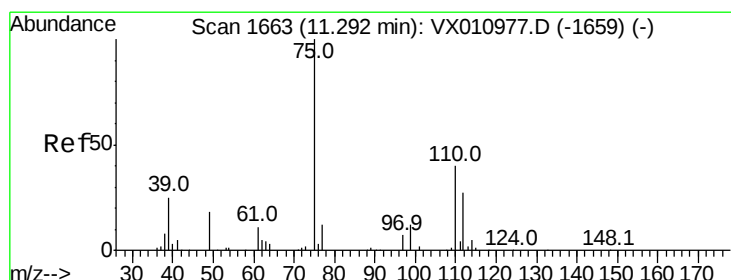
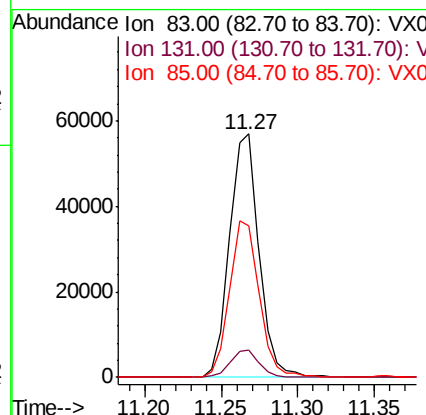
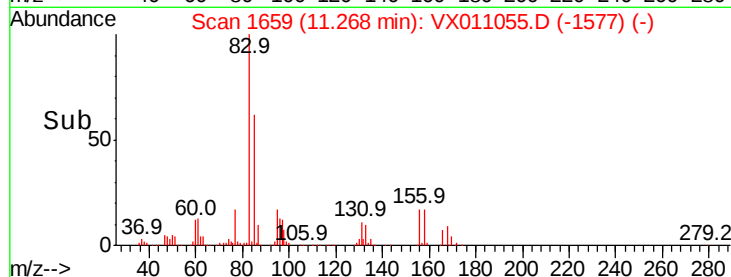
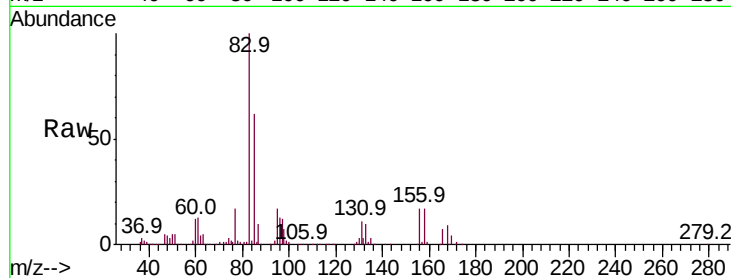
ClientSampleId :

VSTDCCC020

Tot Ion:	83	Resp:	76001
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.5	16.4
85	65.1	32.1	96.3

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#72

1,2,3-Trichloropropane

Concen: 19.235 ug/l m

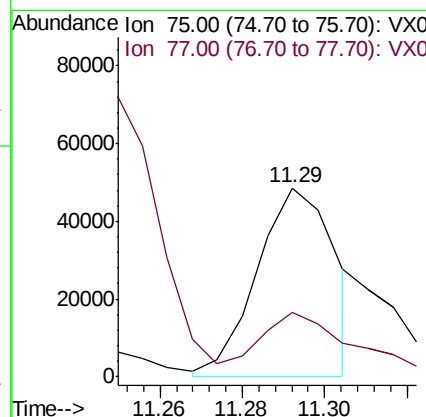
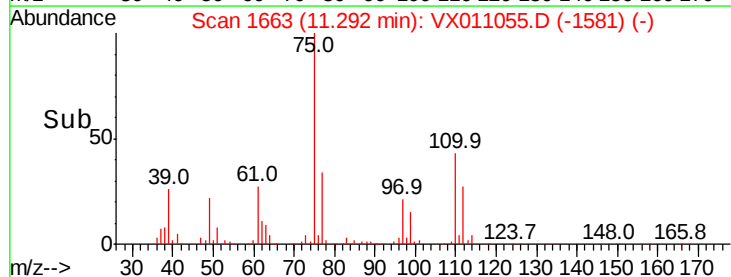
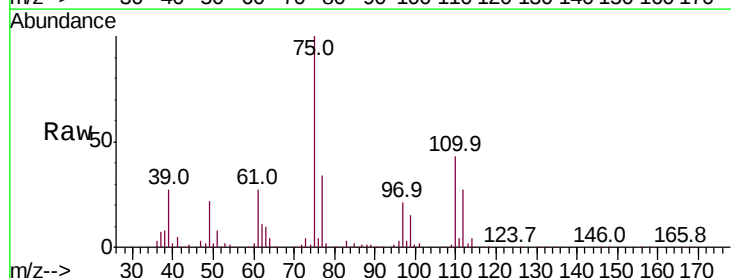
RT: 11.29 min Scan# 1663

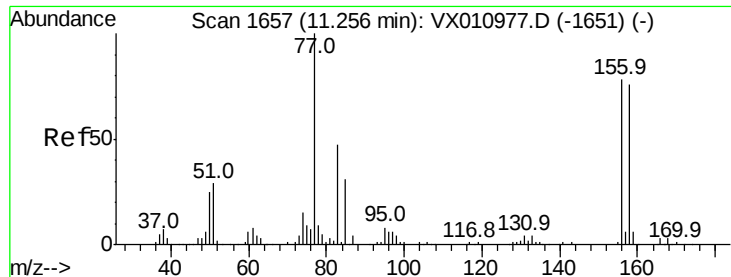
Delta R.T. -0.00 min

Lab File: VX011055.D

Acq: 24 Jul 2019 12:15

Tgt Ion:	75	Resp:	64302
Ion Ratio	Lower	Upper	
75	100		
77	42.2	0.0	84.0





#73

Bromobenzene

Concen: 19.357 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX011055.D

Acq: 24 Jul 2019 12:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion:156 Resp: 64870

Ion Ratio Lower Upper

156 100

77 138.4 0.0 275.8

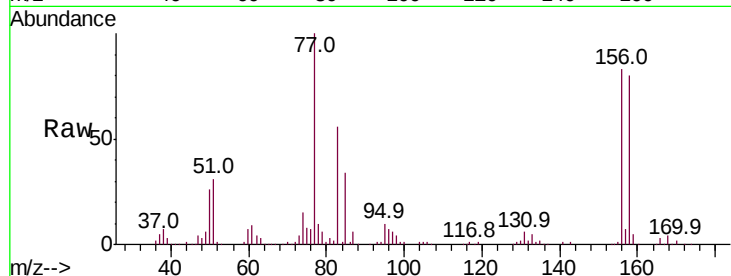
158 96.0 0.0 195.2

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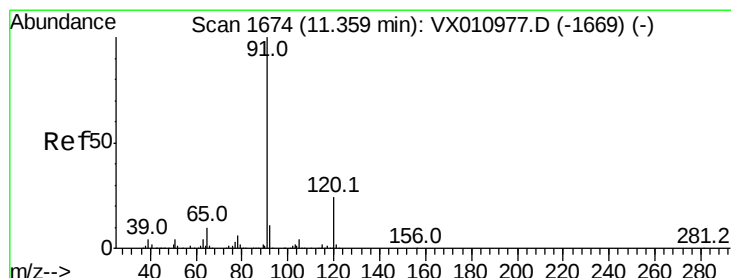
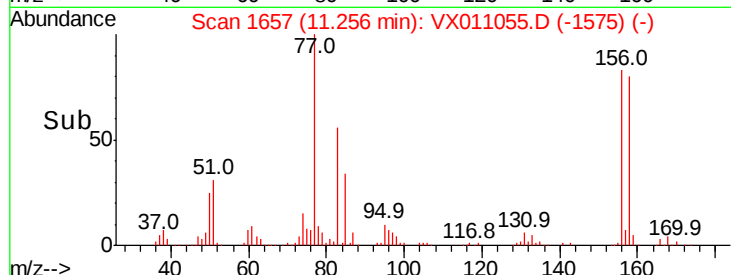
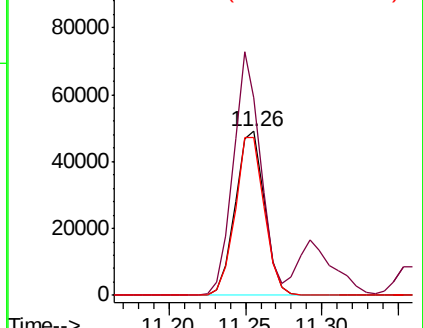
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Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.670 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX011055.D

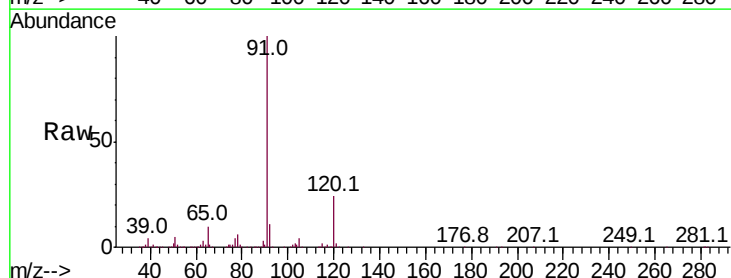
Acq: 24 Jul 2019 12:15

Tgt Ion: 91 Resp: 274962

Ion Ratio Lower Upper

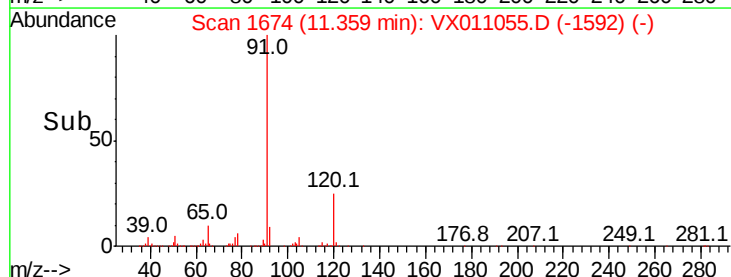
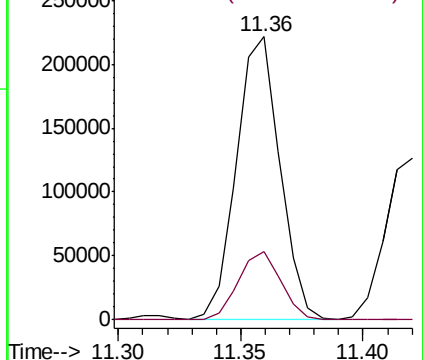
91 100

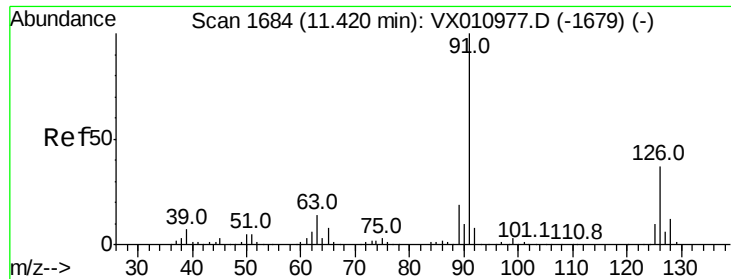
120 23.8 0.0 47.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.426 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX011055.D

Acq: 24 Jul 2019 12:15

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC020

Tot Ion: 91 Resp: 161734

Ion Ratio Lower Upper

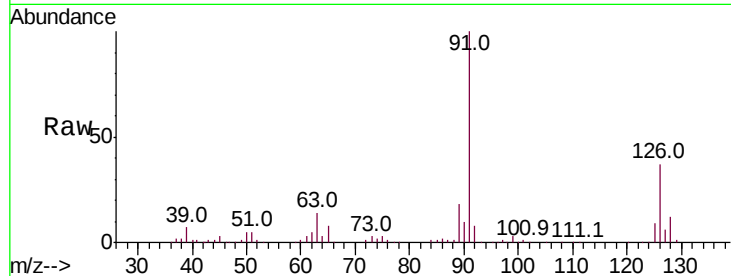
91 100

126 36.1 0.0 72.4

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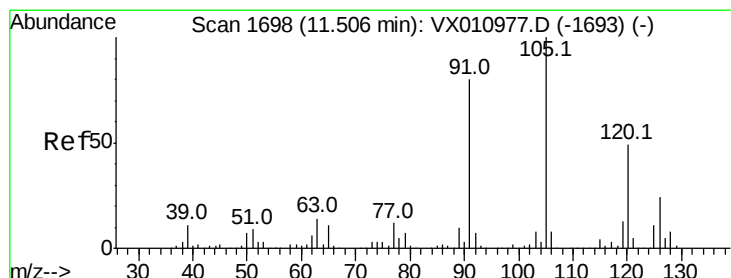
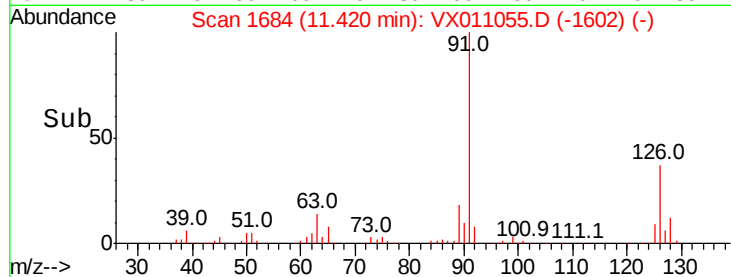
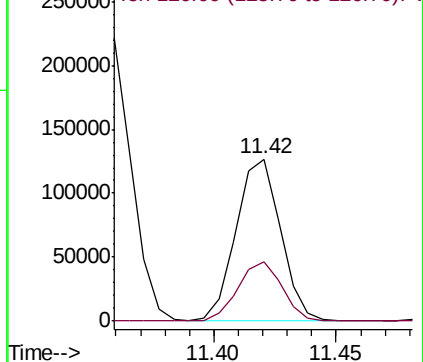
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V



#76

1,3,5-Trimethylbenzene

Concen: 19.642 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX011055.D

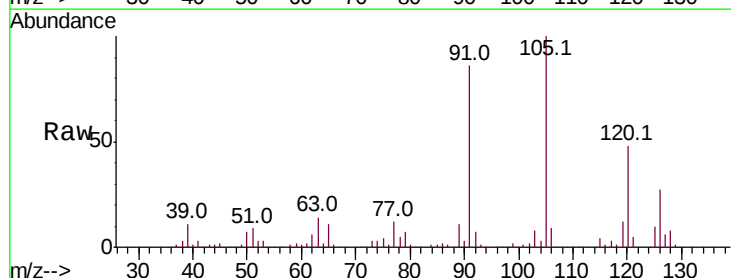
Acq: 24 Jul 2019 12:15

Tgt Ion:105 Resp: 206499

Ion Ratio Lower Upper

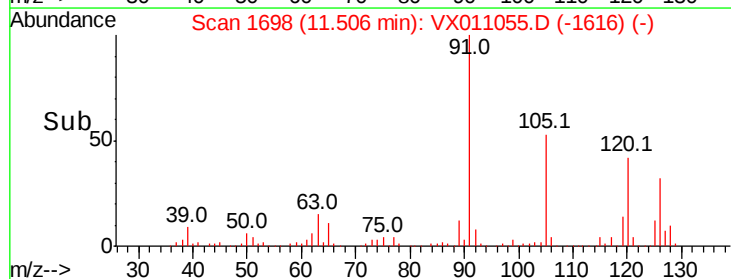
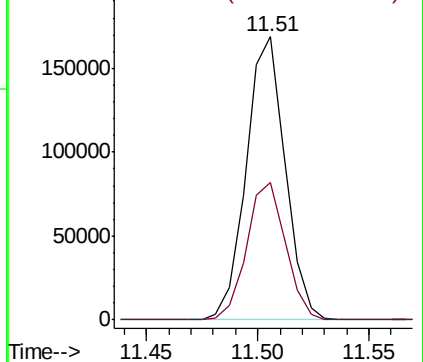
105 100

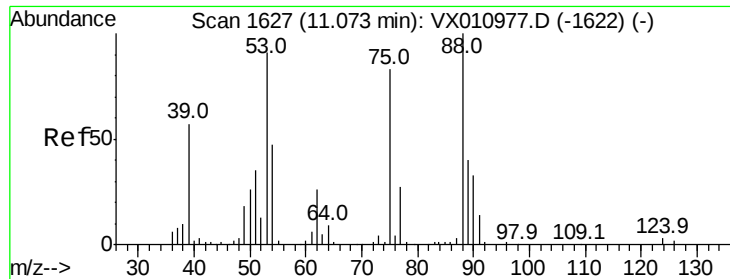
120 48.6 0.0 96.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





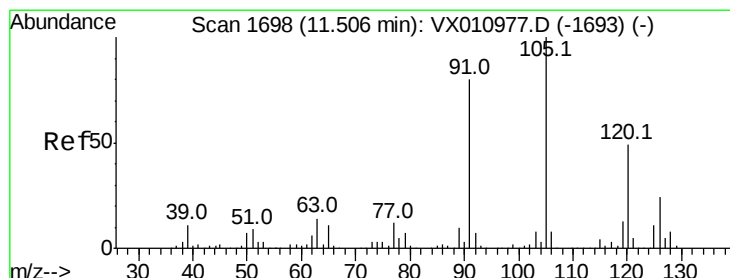
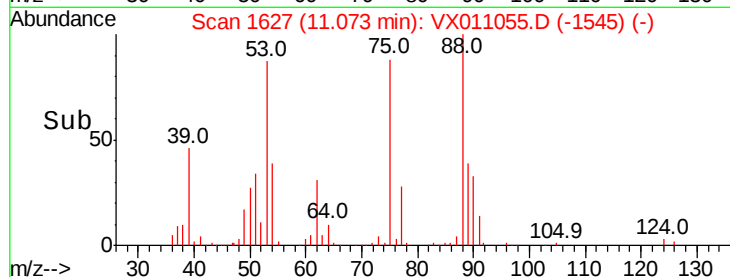
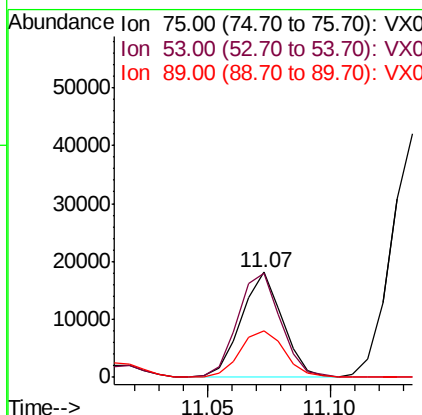
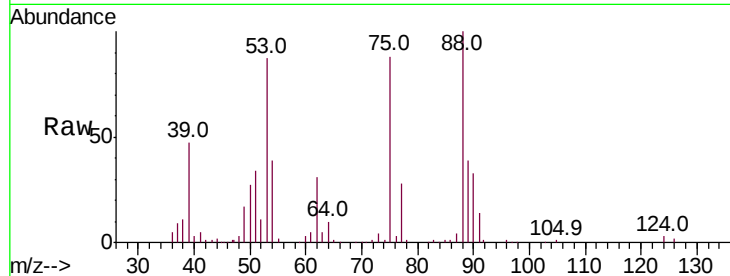
#77
t-1,4-Dichloro-2-butene
Concen: 19.430 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX011055.D
Acq: 24 Jul 2019 12:15

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.0	54.8	164.3
89	45.1	24.6	73.6

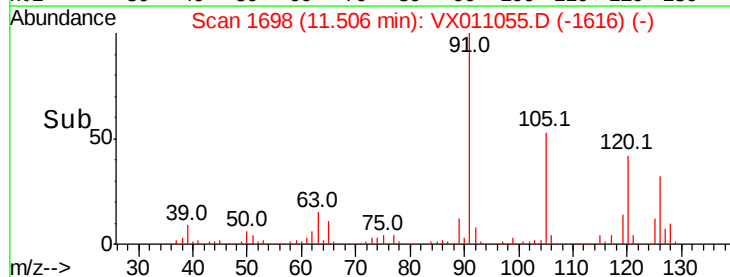
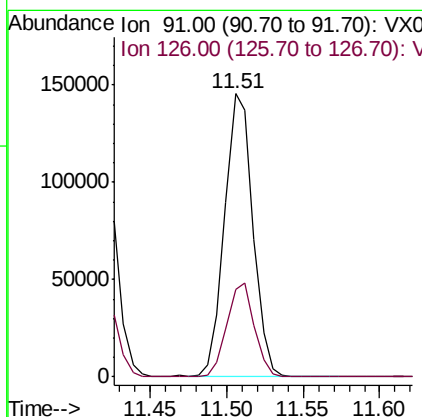
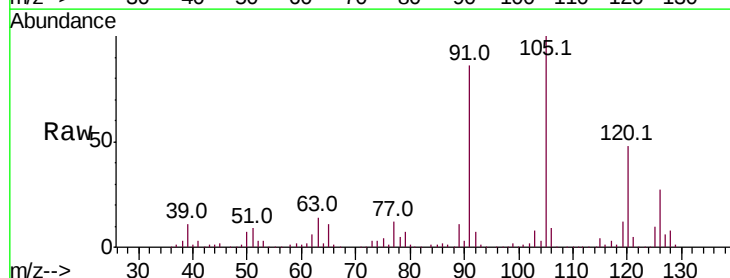
Manual Integrations
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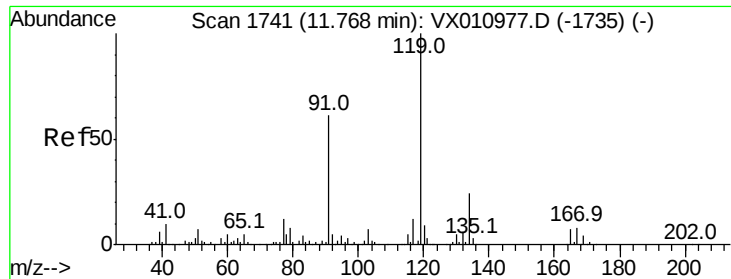
MMDadoda
7/25/2019 3:54:26 PM



#78
4-Chlorotoluene
Concen: 19.487 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX011055.D
Acq: 24 Jul 2019 12:15

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.4	0.0	63.6





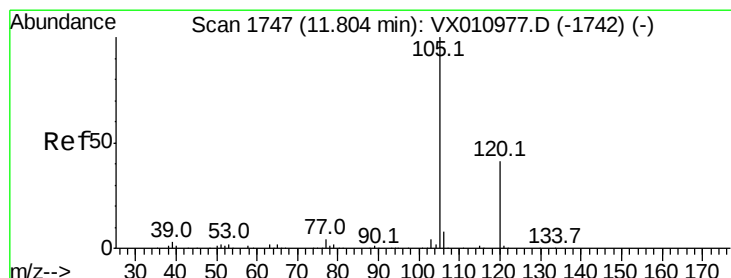
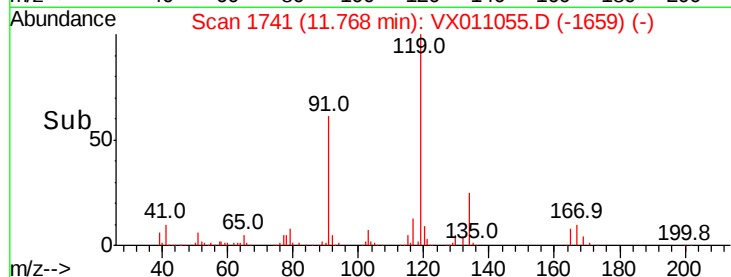
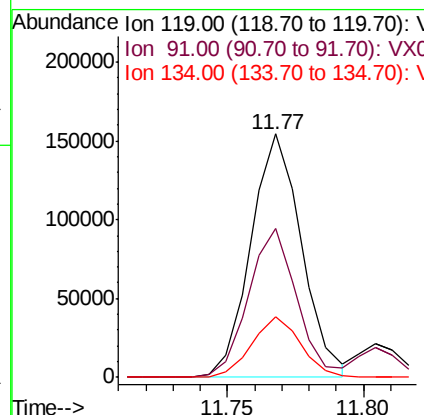
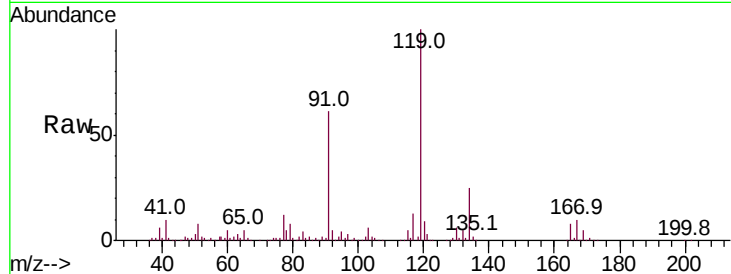
#79
tert-butylbenzene
Concen: 19.548 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX011055.D
Acq: 24 Jul 2019 12:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	199343		
91	58.5	0.0	118.4	
134	23.9	0.0	47.4	

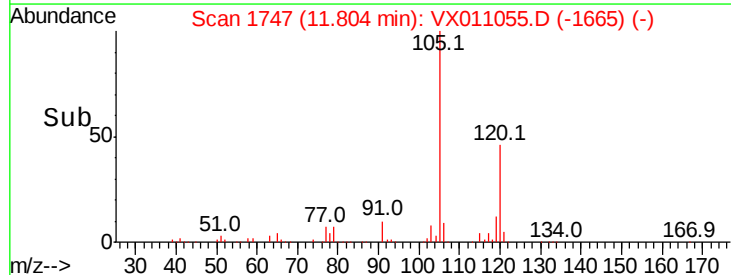
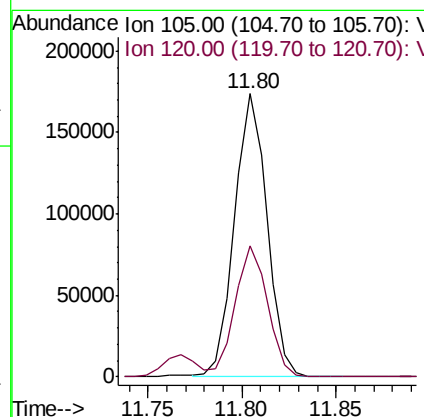
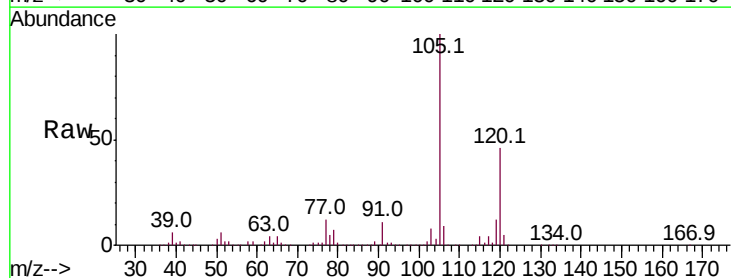
Manual Integrations
APPROVED

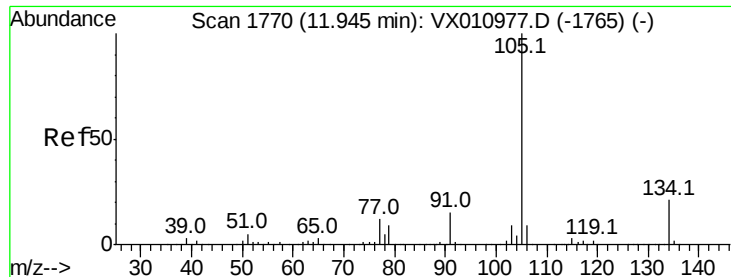
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#80
1,2,4-Trimethylbenzene
Concen: 19.600 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX011055.D
Acq: 24 Jul 2019 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	207509		
120	46.4	0.0	91.6	





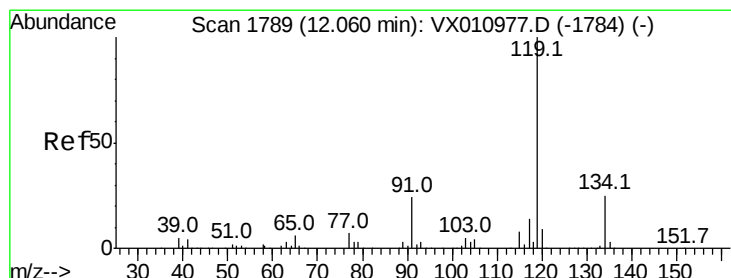
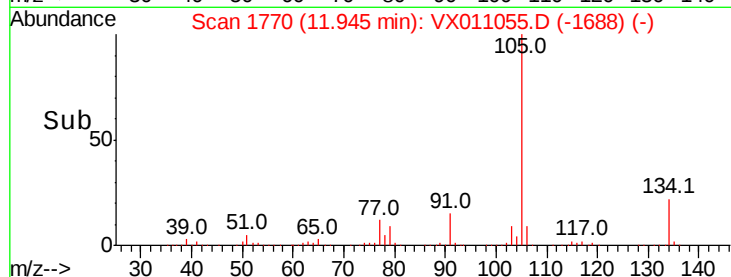
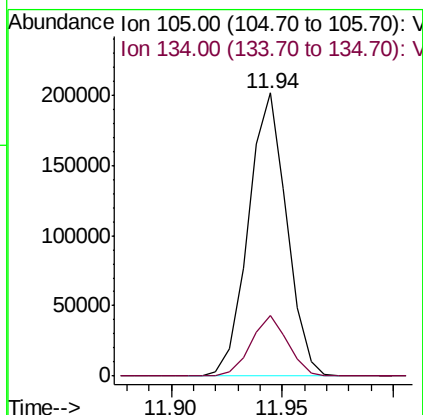
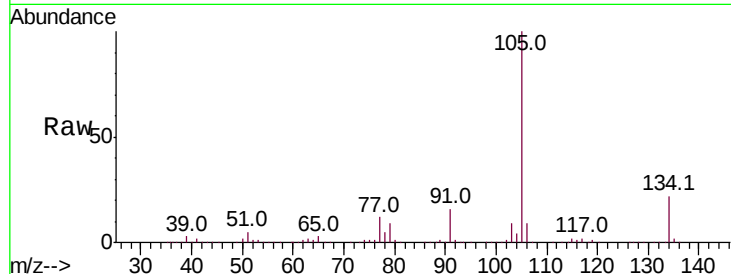
#81
 sec-Butylbenzene
 Concen: 20.057 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX011055.D
 Acq: 24 Jul 2019 12:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
105	100	241095		
134	20.8	0.0	41.8	

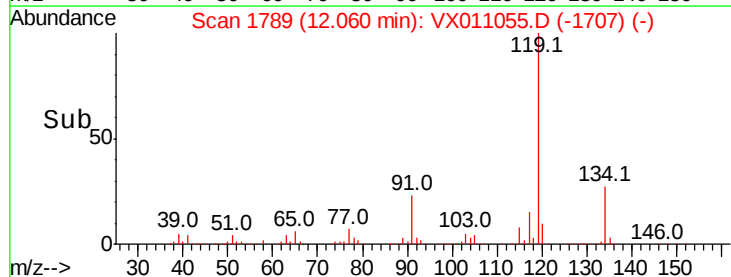
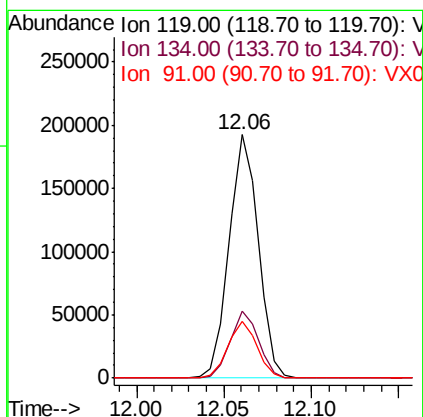
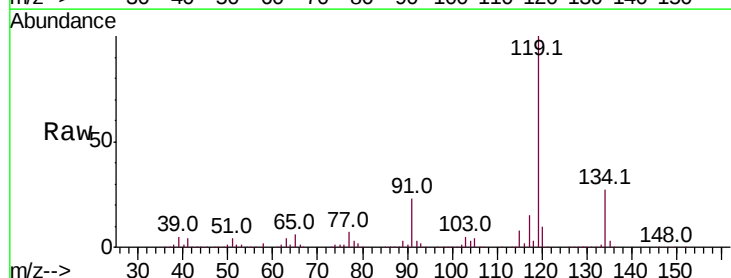
Manual Integrations
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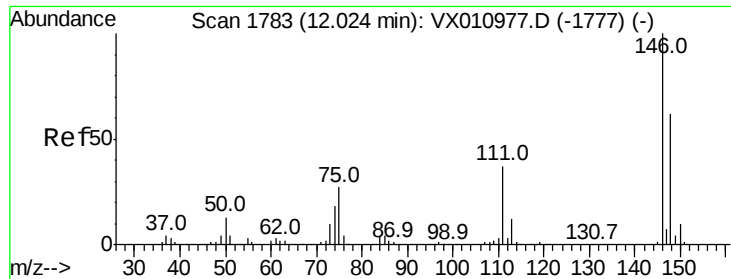
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#82
 p-Isopropyltoluene
 Concen: 20.015 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX011055.D
 Acq: 24 Jul 2019 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	223250		
134	27.0	0.0	52.8	
91	23.2	0.0	47.0	





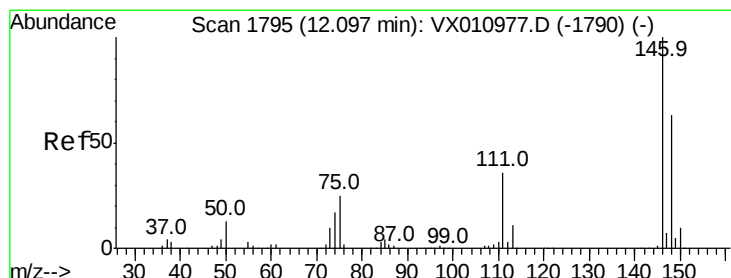
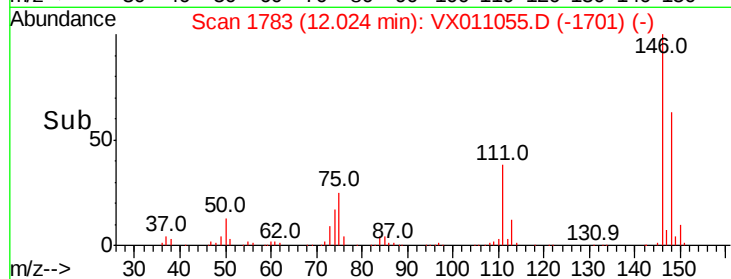
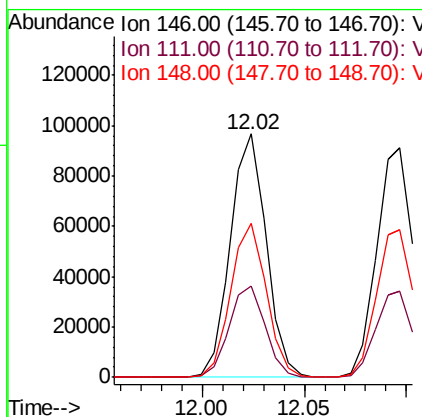
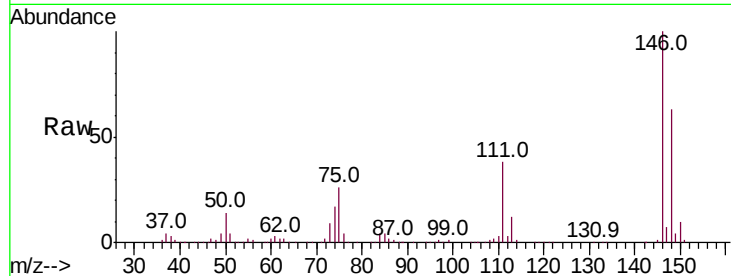
#83
 1,3-Dichlorobenzene
 Concen: 19.836 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX011055.D
 Acq: 24 Jul 2019 12:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.9	56.9
148	63.3	31.4	94.0

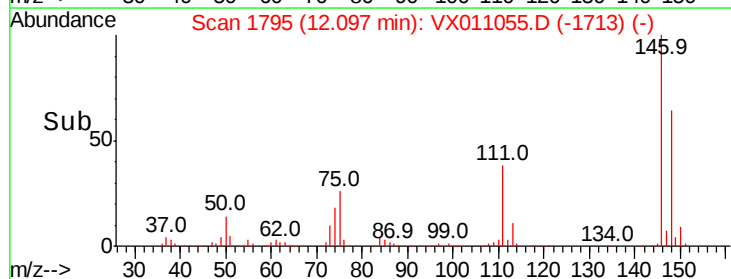
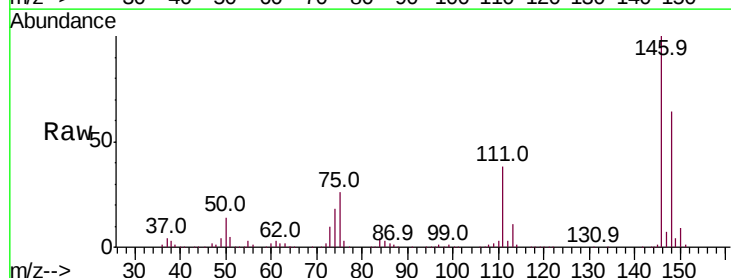
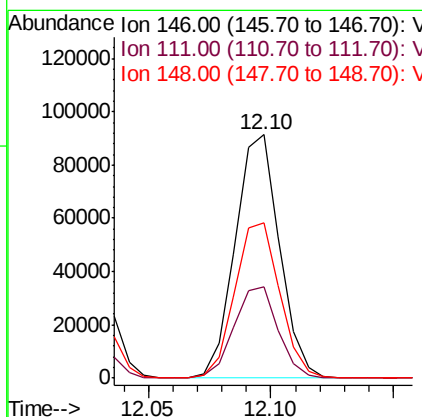
Manual Integrations
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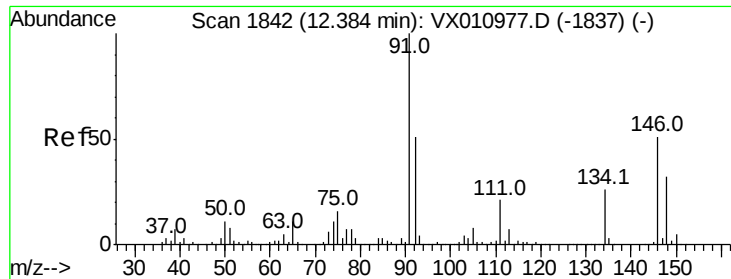
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#84
 1,4-Dichlorobenzene
 Concen: 19.580 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX011055.D
 Acq: 24 Jul 2019 12:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.5	55.5
148	65.3	32.0	96.0





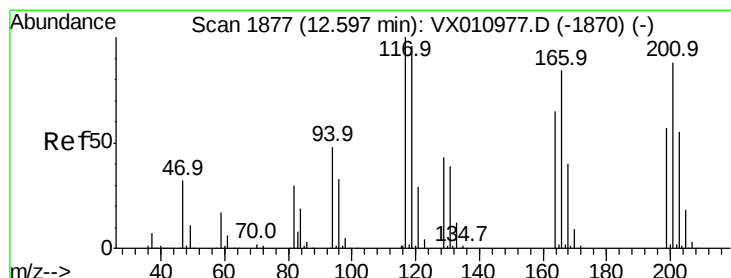
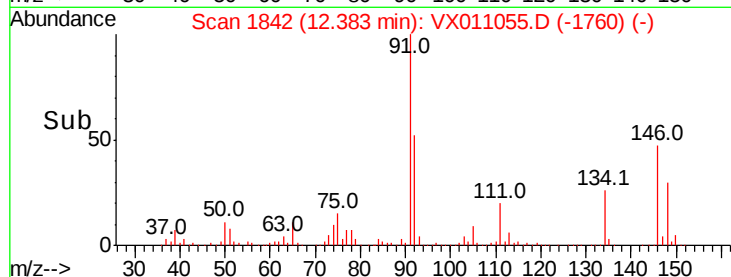
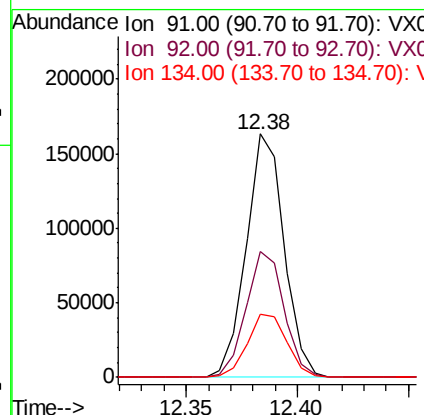
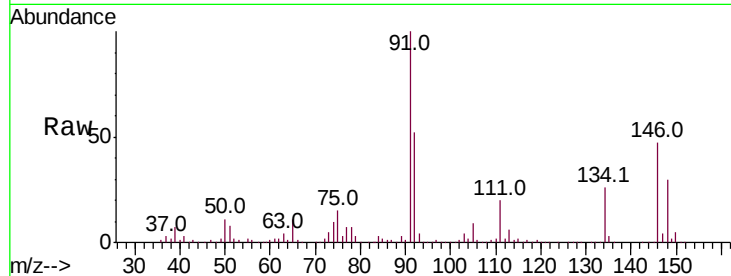
#85
n-Butylbenzene
Concen: 20.451 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX011055.D
Acq: 24 Jul 2019 12:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100	194252		
92	52.0		0.0	103.6
134	27.2		0.0	54.2

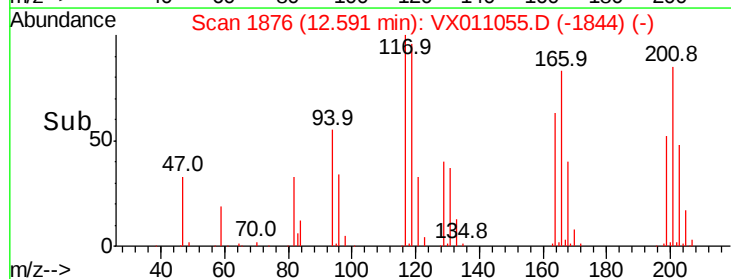
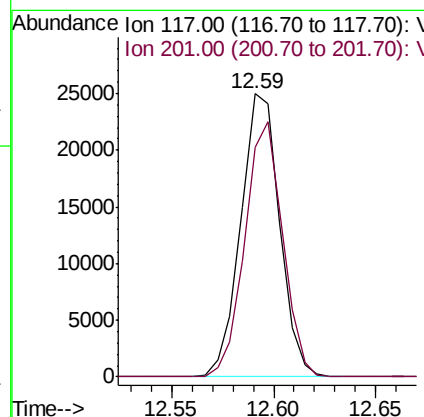
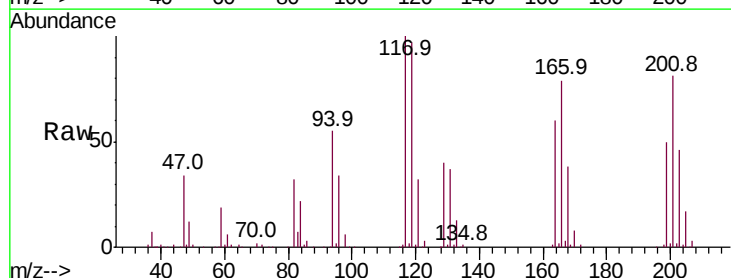
Manual Integrations
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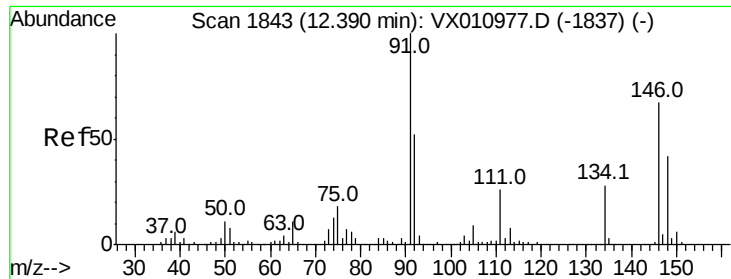
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#86
Hexachloroethane
Concen: 18.787 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX011055.D
Acq: 24 Jul 2019 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	33050		
201	87.6		42.1	126.3





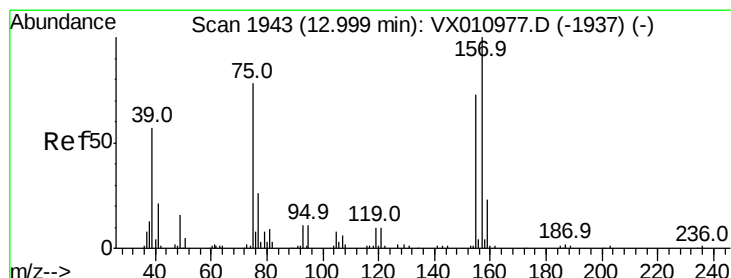
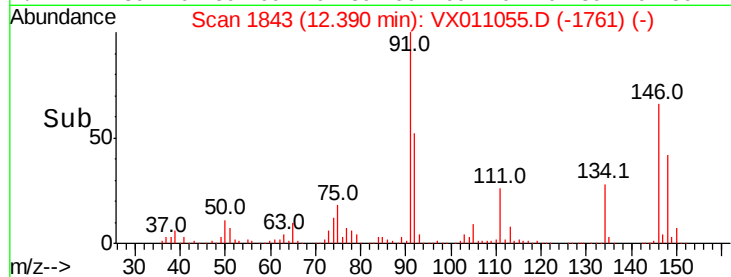
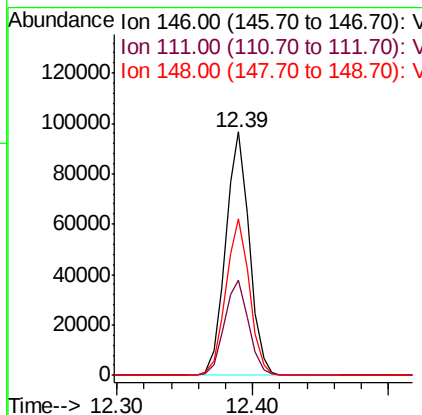
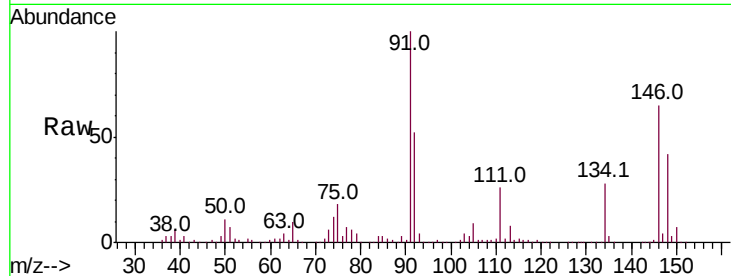
#87
 1,2-Dichlorobenzene
 Concen: 20.034 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX011055.D
 Acq: 24 Jul 2019 12:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.5	58.5
148	64.4	31.5	94.5

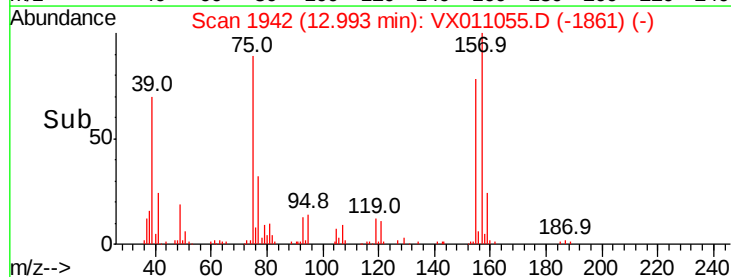
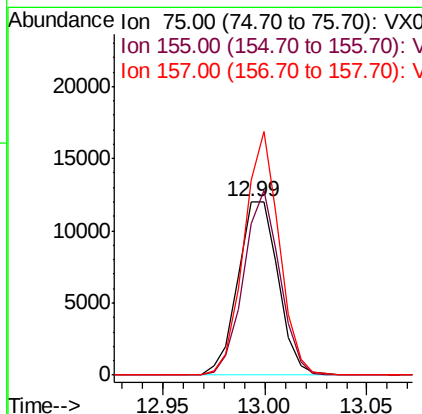
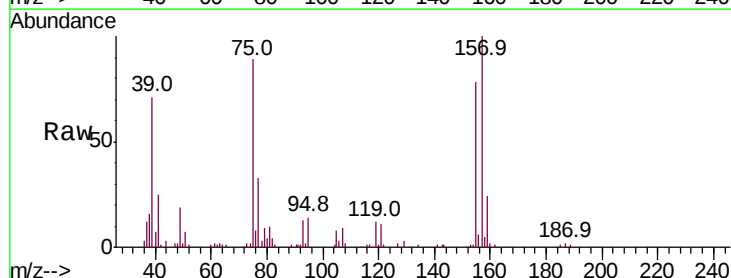
Manual Integrations
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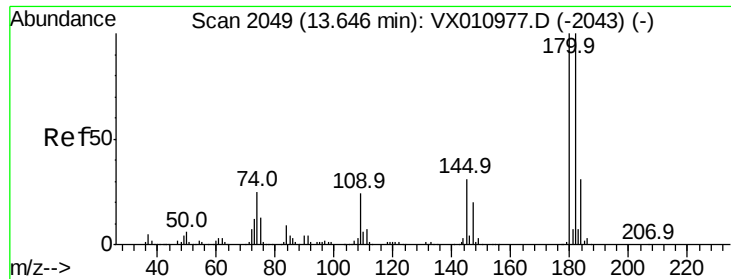
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.687 ug/l
 RT: 12.99 min Scan# 1942
 Delta R.T. -0.01 min
 Lab File: VX011055.D
 Acq: 24 Jul 2019 12:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.1	76.6	115.0
157	122.3	101.0	151.4





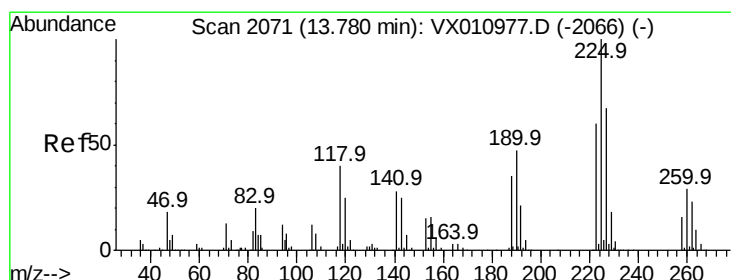
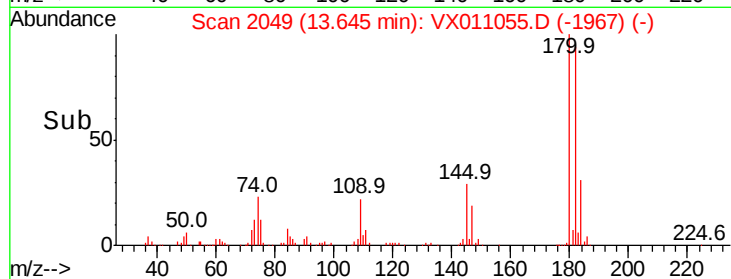
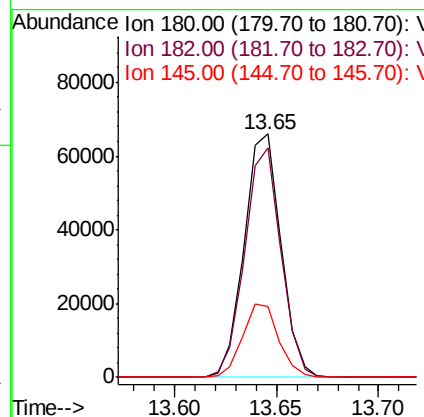
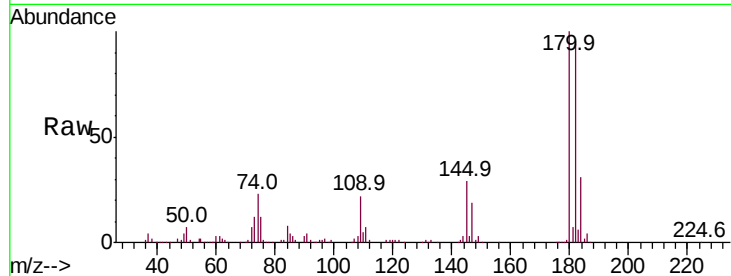
#89
1,2,4-Trichlorobenzene
Concen: 20.706 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. -0.00 min
Lab File: VX011055.D
Acq: 24 Jul 2019 12:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.0	77.6	116.4
145	29.7	23.8	35.6

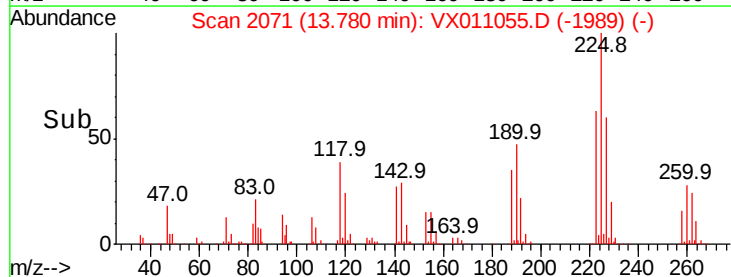
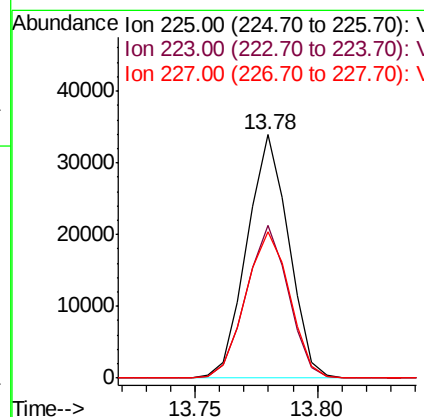
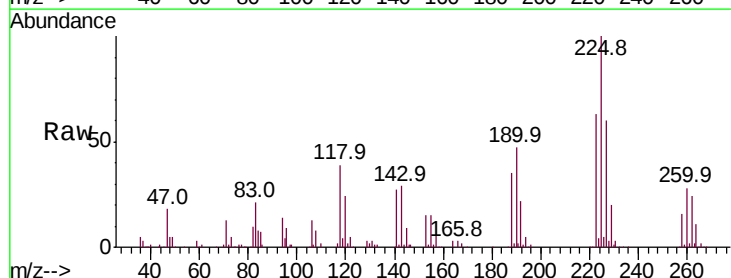
Manual Integrations
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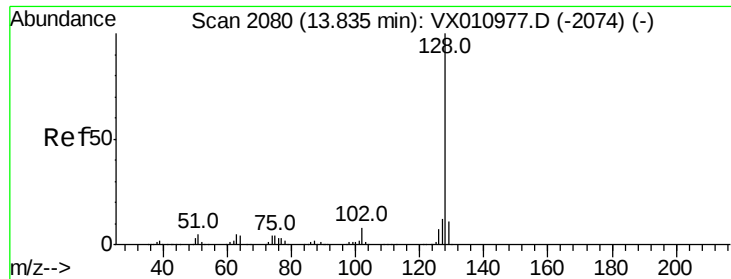
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#90
Hexachlorobutadiene
Concen: 20.927 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. -0.00 min
Lab File: VX011055.D
Acq: 24 Jul 2019 12:15

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	0.0	121.4
227	63.3	0.0	126.6





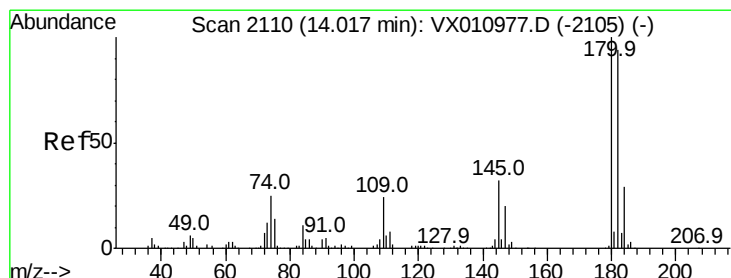
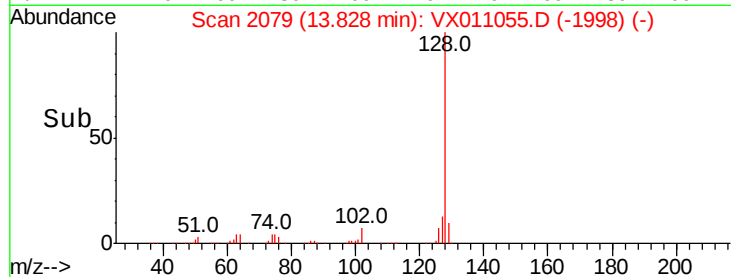
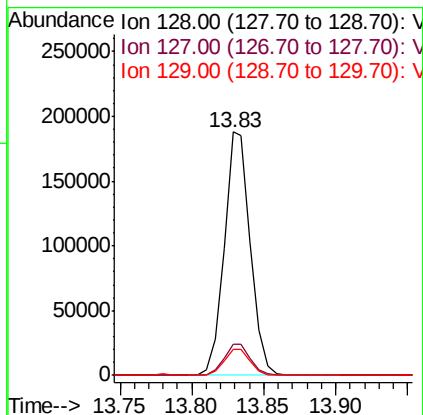
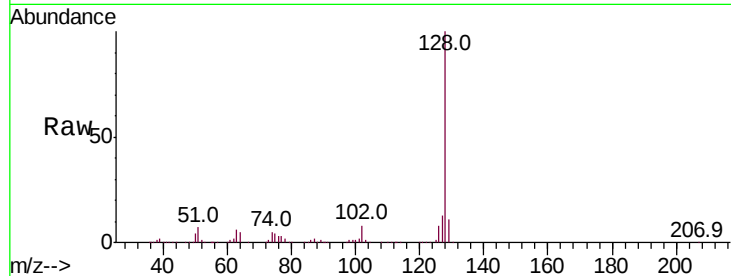
#91
Naphthalene
Concen: 19.562 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. -0.01 min
Lab File: VX011055.D
Acq: 24 Jul 2019 12:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.2
129	10.8	8.5	12.7

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 20.598 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX011055.D
Acq: 24 Jul 2019 12:15

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	0.0	190.2
145	31.9	0.0	63.8

