

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052119\
 Data File : VX009773.D
 Acq On : 22 May 2019 02:17
 Operator : JC/SP
 Sample : VX0521WBSD04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0521WBSD04

Manual Integrations
 APPROVED

MMDadoda
 5/22/2019 11:39:50 AM

Quant Time: May 22 08:40:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	157125	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	258987	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	231842	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	112426	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	110004	51.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.58%	
35) Dibromofluoromethane	5.50	113	78970	48.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.00%	
50) Toluene-d8	8.71	98	326168	49.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.24%	
62) 4-Bromofluorobenzene	11.13	95	115010	48.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	25472	17.592	ug/l	99
3) Chloromethane	1.32	50	38890	19.673	ug/l	97
4) Vinyl Chloride	1.41	62	38173	19.803	ug/l	100
5) Bromomethane	1.64	94	24708	21.355	ug/l	98
6) Chloroethane	1.72	64	24419	19.731	ug/l	100
7) Trichlorofluoromethane	1.93	101	46296	19.758	ug/l	98
8) Diethyl Ether	2.19	74	21767	19.612	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	27211	18.493	ug/l	99
10) Methyl Iodide	2.51	142	23860	17.268	ug/l	97
11) Tert butyl alcohol	3.05	59	50220	101.148	ug/l	99
12) 1,1-Dichloroethene	2.37	96	29183	19.795	ug/l	99
13) Acrolein	2.29	56	35200	78.283	ug/l	99
14) Allyl chloride	2.73	41	68037	18.937	ug/l	97
15) Acrylonitrile	3.14	53	119746	98.639	ug/l	99
16) Acetone	2.44	43	107339	93.196	ug/l	95
17) Carbon Disulfide	2.57	76	82525	19.938	ug/l	99
18) Methyl Acetate	2.78	43	51949	18.966	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	110322	19.270	ug/l	99
20) Methylene Chloride	2.85	84	35242	18.898	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	30442	19.040	ug/l	99
22) Diisopropyl ether	3.85	45	136798	19.799	ug/l	95
23) Vinyl Acetate	3.81	43	602564	101.842	ug/l	99
24) 1,1-Dichloroethane	3.70	63	65901	19.334	ug/l	99
25) 2-Butanone	4.67	43	177054	98.925	ug/l	99
26) 2,2-Dichloropropane	4.59	77	35594	14.029	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	36333	19.038	ug/l	99
28) Bromochloromethane	5.01	49	31454	21.354	ug/l	98
29) Tetrahydrofuran	5.13	42	119611	103.854	ug/l	97
30) Chloroform	5.21	83	59707	19.368	ug/l	99
31) Cyclohexane	5.58	56	63473	20.016	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	49038	19.109	ug/l	98
36) 1,1-Dichloropropene	5.80	75	44894	18.653	ug/l	99
37) Ethyl Acetate	4.83	43	67507	20.131	ug/l	99
38) Carbon Tetrachloride	5.79	117	40498	18.520	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	54534	18.450	ug/l	97
40) Benzene	6.14	78	142496	19.130	ug/l	100
41) Methacrylonitrile	5.04	41	37551	18.812	ug/l	98
42) 1,2-Dichloroethane	6.19	62	53258	19.932	ug/l	98
43) Isopropyl Acetate	6.45	43	104631	19.506	ug/l	99
44) Trichloroethene	7.21	130	33221	18.449	ug/l	97
45) 1,2-Dichloropropane	7.51	63	40755	19.323	ug/l	99
46) Dibromomethane	7.66	93	22624	18.472	ug/l	98
47) Bromodichloromethane	7.90	83	45315	18.548	ug/l	96
48) Methyl methacrylate	7.77	41	53179	19.983	ug/l	97
49) 1,4-Dioxane	7.74	88	20792	385.264	ug/l	94
51) 4-Methyl-2-Pentanone	8.64	43	348231	99.325	ug/l	99
52) Toluene	8.79	92	86133	19.023	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	50089	18.159	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	54867	17.971	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	34277	18.556	ug/l	97
56) Ethyl methacrylate	9.18	69	61881	18.767	ug/l	97
57) 1,3-Dichloropropane	9.37	76	61429	18.897	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	161410	92.273	ug/l	100
59) 2-Hexanone	9.49	43	271499	98.600	ug/l	98
60) Dibromochloromethane	9.58	129	33048	18.318	ug/l	99
61) 1,2-Dibromoethane	9.67	107	34829	18.679	ug/l	100
64) Tetrachloroethene	9.34	164	31096	19.553	ug/l	98
65) Chlorobenzene	10.13	112	86743	18.703	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	31785	18.904	ug/l	99
67) Ethyl Benzene	10.25	91	163129	19.112	ug/l	100
68) m/p-Xylenes	10.36	106	119118	38.190	ug/l	98
69) o-Xylene	10.69	106	58031	18.857	ug/l	99
70) Styrene	10.71	104	101579	18.991	ug/l	99
71) Bromoform	10.85	173	24403	17.859	ug/l #	99
73) Isopropylbenzene	11.02	105	155978	19.079	ug/l	100
74) N-amyl acetate	10.90	43	93814	19.682	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	57529	18.876	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	49608m	19.022	ug/l	
77) Bromobenzene	11.26	156	38171	18.811	ug/l	98
78) n-propylbenzene	11.36	91	176839	18.940	ug/l	100
79) 2-Chlorotoluene	11.42	91	106526	18.493	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	131092	19.044	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	16086	15.782	ug/l	88
82) 4-Chlorotoluene	11.51	91	122099	18.763	ug/l	99
83) tert-Butylbenzene	11.77	119	125174	18.692	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	131918	19.092	ug/l	99
85) sec-Butylbenzene	11.94	105	148089	18.653	ug/l	100
86) p-Isopropyltoluene	12.06	119	133687	18.731	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	66851	18.480	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	67786	18.587	ug/l	98
89) n-Butylbenzene	12.38	91	116027	17.986	ug/l	99
90) Hexachloroethane	12.60	117	22453	18.465	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	67736	18.384	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	13636	19.945	ug/l	96

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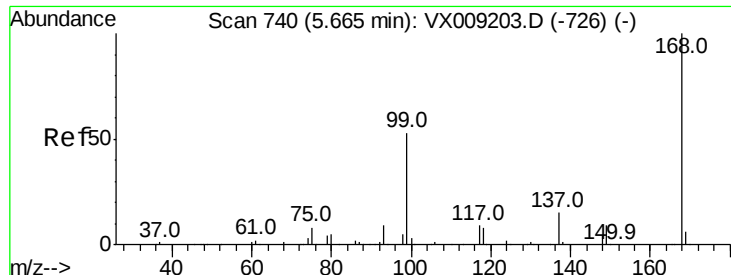
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	47172	18.722	ug/l	99
94) Hexachlorobutadiene	13.78	225	23501	18.265	ug/l	98
95) Naphthalene	13.83	128	156329	19.071	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	48653	19.050	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009773.D

Acq: 22 May 2019 02:17

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBSD04

Tot Ion:168 Resp: 157125

Ion Ratio Lower Upper

168 100

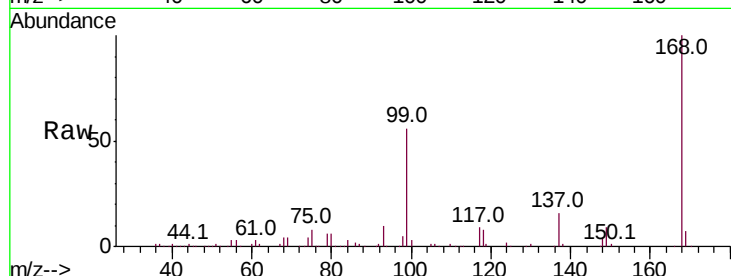
99 55.8 42.3 63.5

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

60000

50000

40000

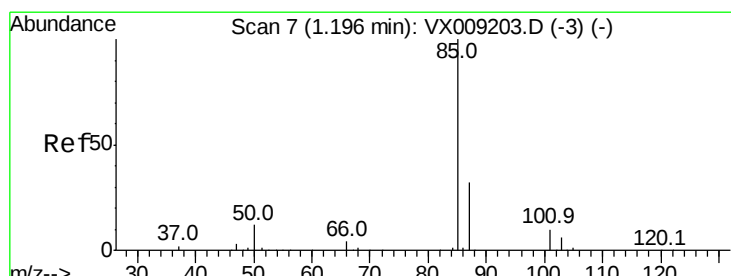
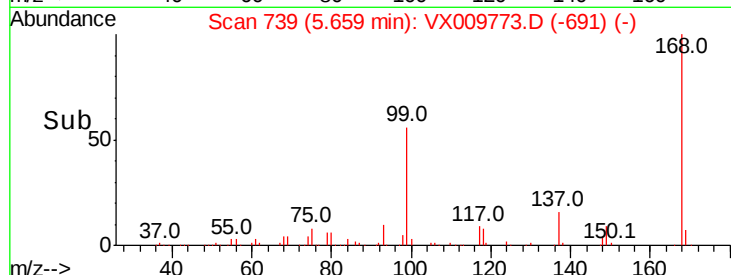
30000

20000

10000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 17.592 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX009773.D

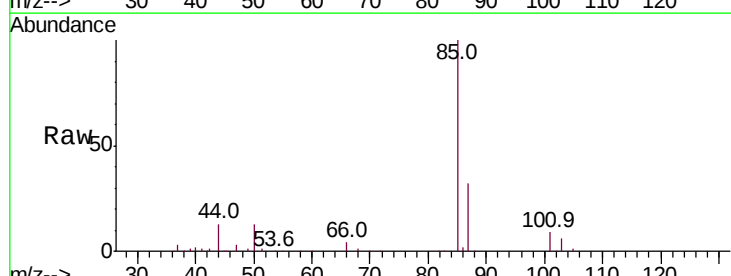
Acq: 22 May 2019 02:17

Tgt Ion: 85 Resp: 25472

Ion Ratio Lower Upper

85 100

87 31.7 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

25000

20000

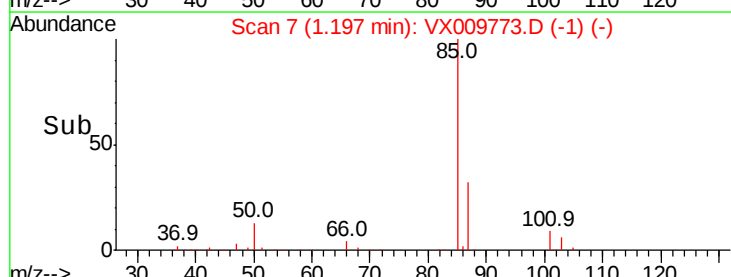
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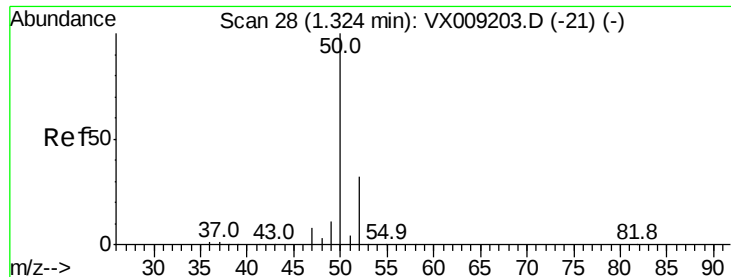
10000

5000

0

Time-->





#3

Chloromethane

Concen: 19.673 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009773.D

Acq: 22 May 2019 02:17

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBSD04

Tot Ion: 50 Resp: 38890

Ion Ratio Lower Upper

50 100

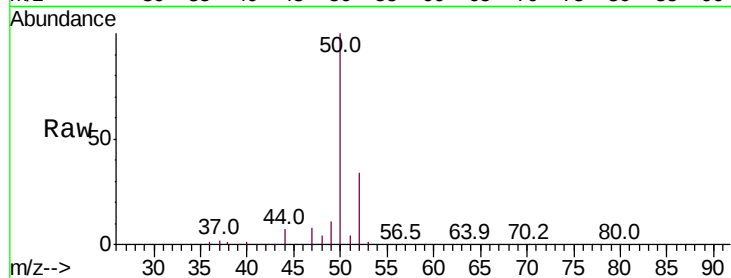
52 34.0 25.9 38.9

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

40000

30000

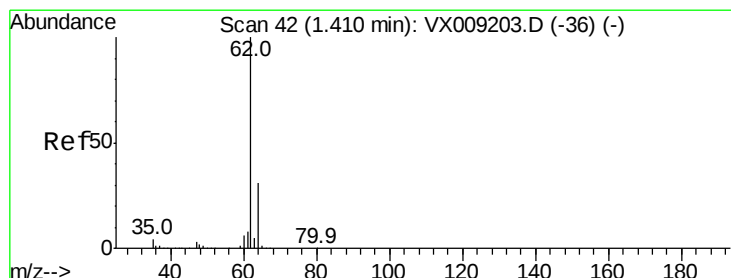
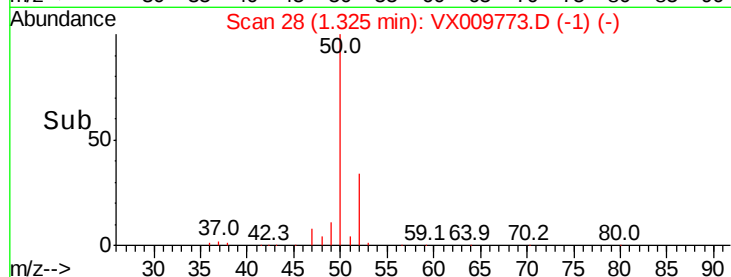
20000

10000

0

Time-->

1.25 1.30 1.35 1.40



#4

Vinyl Chloride

Concen: 19.803 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX009773.D

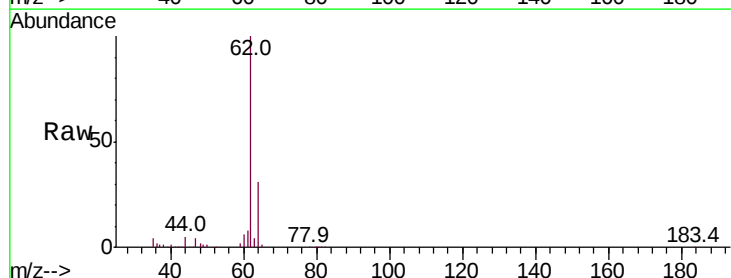
Acq: 22 May 2019 02:17

Tgt Ion: 62 Resp: 38173

Ion Ratio Lower Upper

62 100

64 30.9 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41

40000

30000

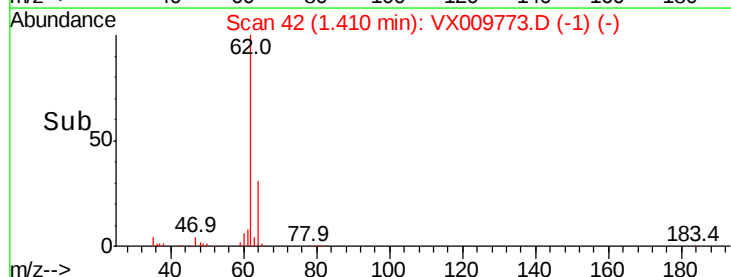
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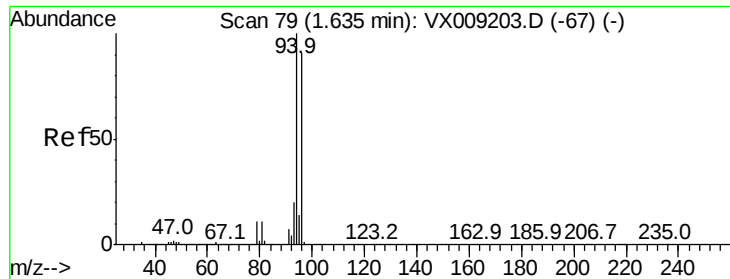
10000

0

Time-->

1.35 1.40 1.45 1.50





#5

Bromomethane

Concen: 21.355 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009773.D

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Instrument :

MSVOA_X

ClientSampleId :

VX0521WBSD04

Tot Ion: 94 Resp: 24708

Ion Ratio Lower Upper

94 100

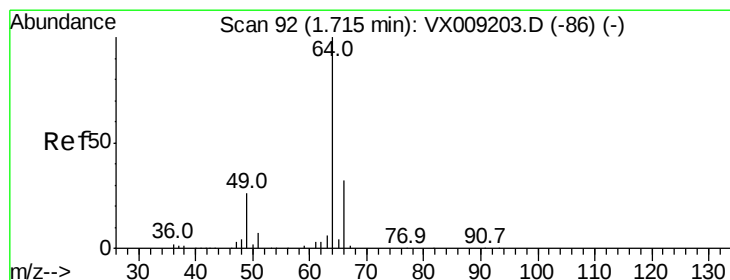
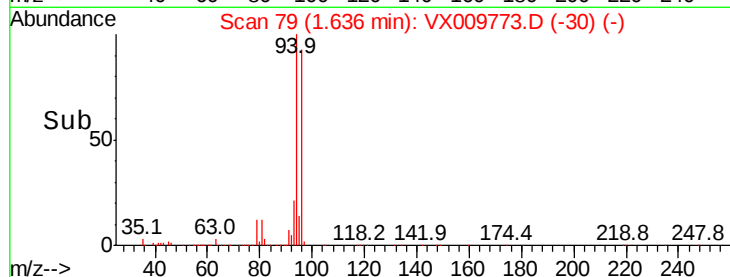
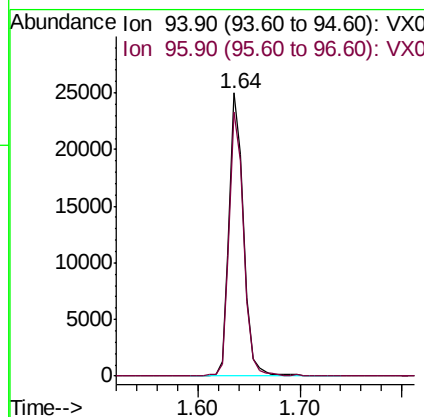
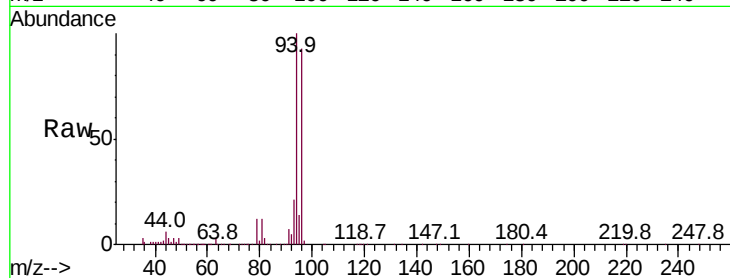
96 93.5 73.0 109.6

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5/22/2019 11:39:50 AM



#6

Chloroethane

Concen: 19.731 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX009773.D

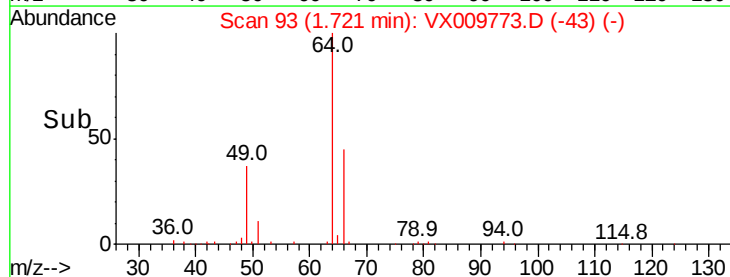
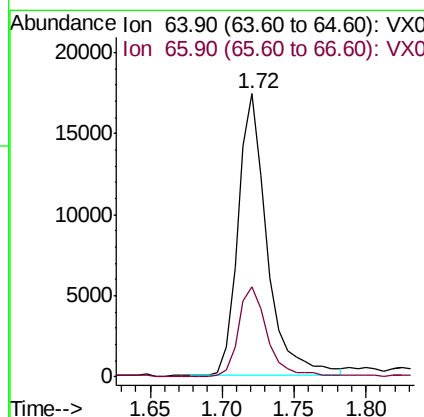
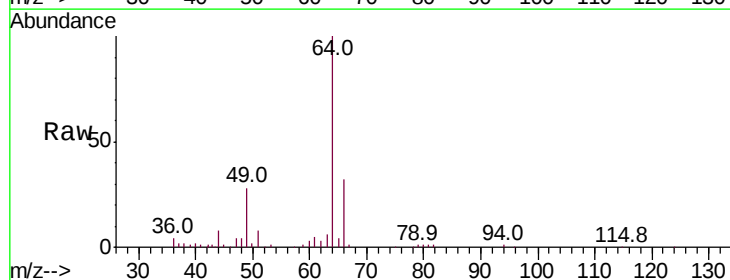
Acq: 22 May 2019 02:17

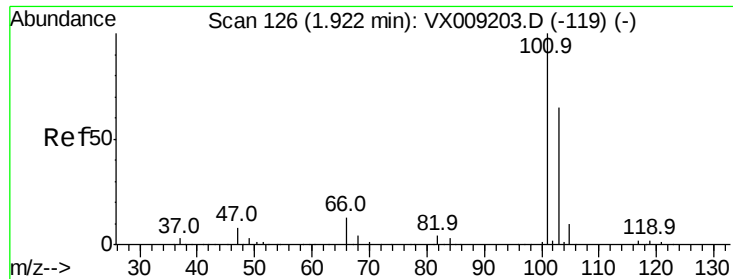
Tgt Ion: 64 Resp: 24419

Ion Ratio Lower Upper

64 100

66 31.8 25.3 37.9





#7

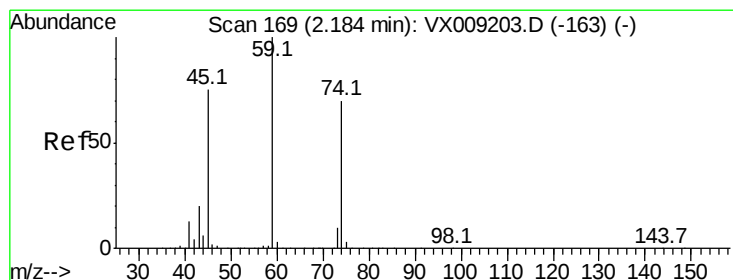
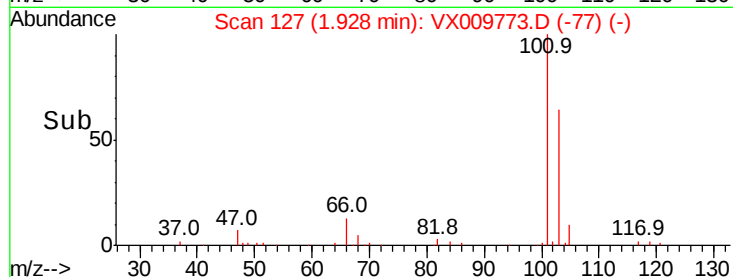
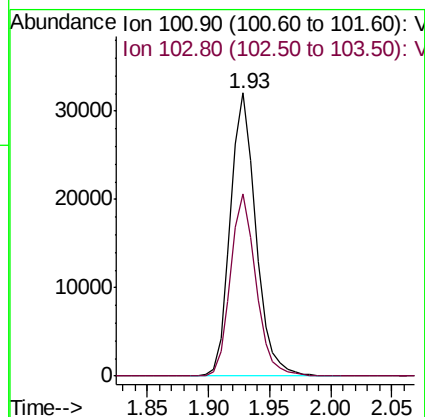
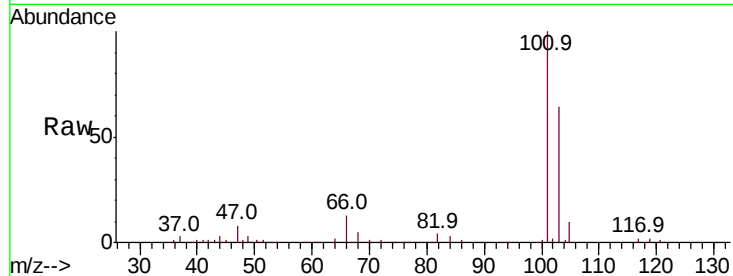
Trichlorofluoromethane
 Concen: 19.758 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX009773.D
 Acq: 22 May 2019 02:17

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 ClientSampleId :
 VX0521WBSD04

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	52.4	78.6

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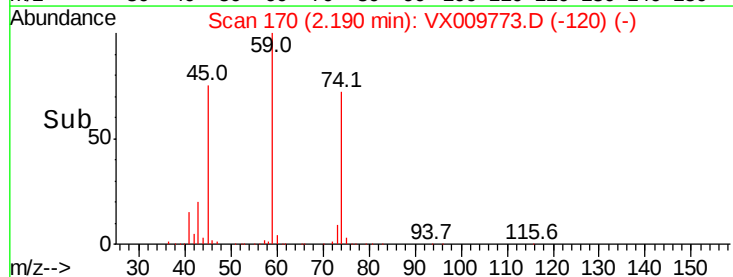
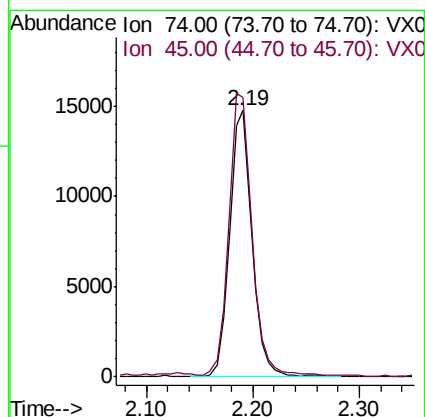
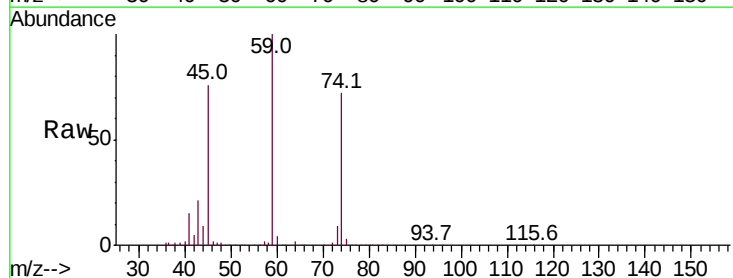
MMDadoda
 5/22/2019 11:39:50 AM

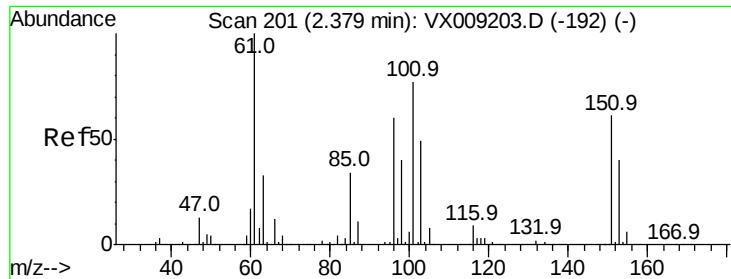


#8

Diethyl Ether
 Concen: 19.612 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX009773.D
 Acq: 22 May 2019 02:17

Tgt Ion	Ratio	Lower	Upper
74	100		
45	108.7	53.3	159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.493 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX009773.D

Acq: 22 May 2019 02:17

Instrument :

MSVOA_X

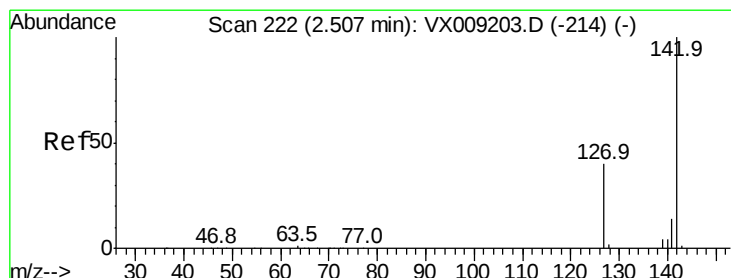
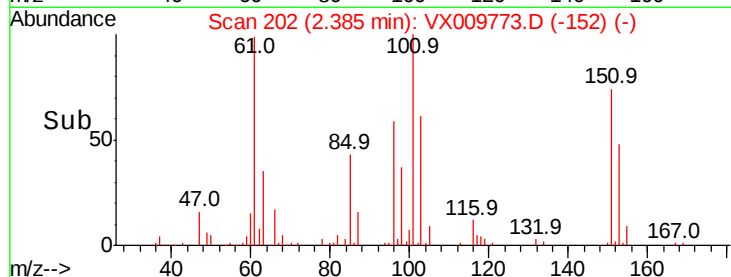
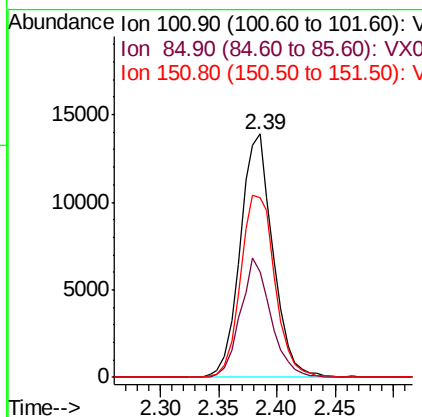
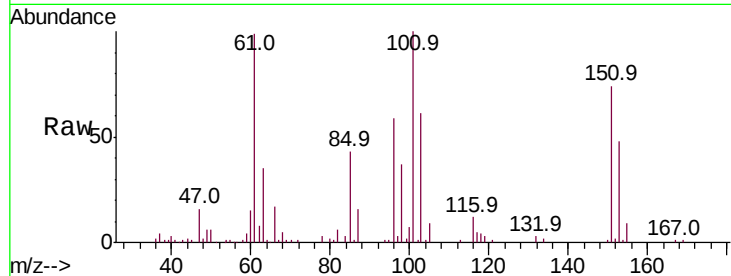
ClientSampleId :

VX0521WBSD04

Tot Ion:	101	Resp:	27211
Ion Ratio	Lower	Upper	
101	100		
85	45.6	35.7	53.5
151	78.8	62.2	93.2

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5/22/2019 11:39:50 AM



#10

Methyl Iodide

Concen: 17.268 ug/l

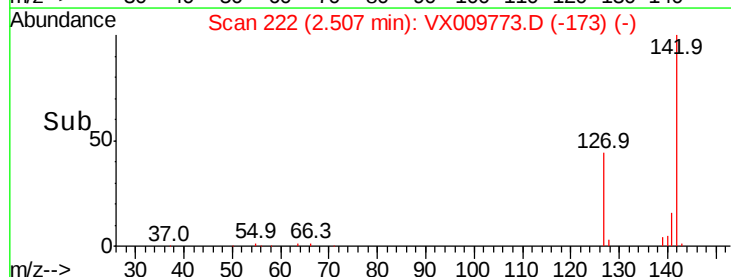
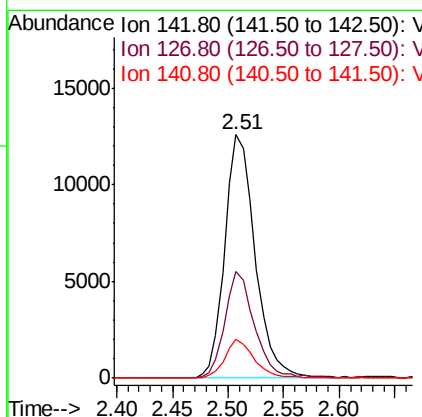
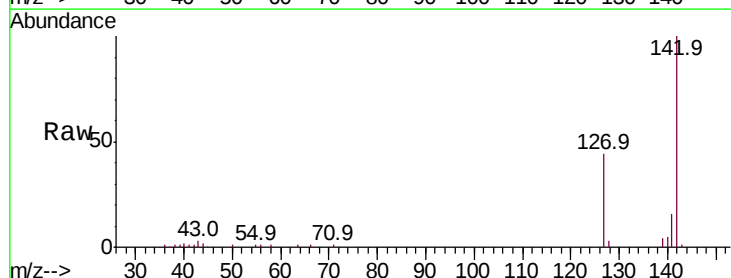
RT: 2.51 min Scan# 222

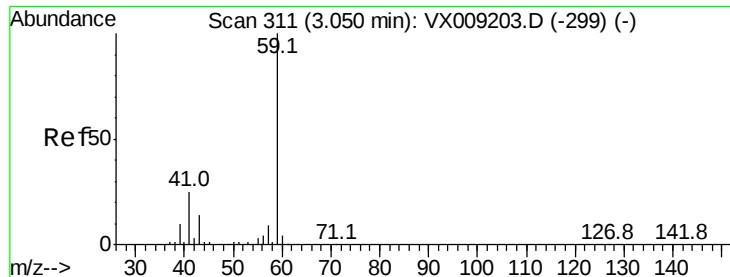
Delta R.T. 0.00 min

Lab File: VX009773.D

Acq: 22 May 2019 02:17

Tgt Ion:	142	Resp:	23860
Ion Ratio	Lower	Upper	
142	100		
127	42.6	32.7	49.1
141	15.2	11.5	17.3





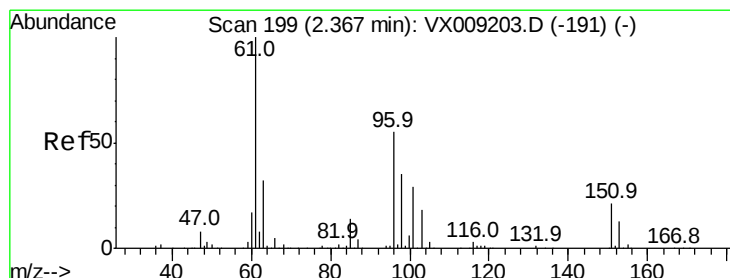
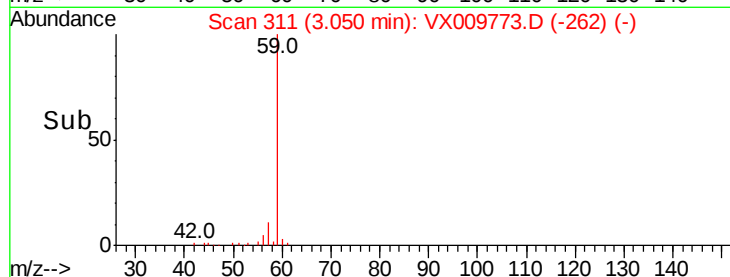
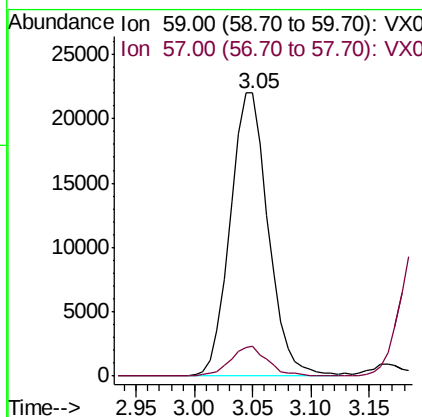
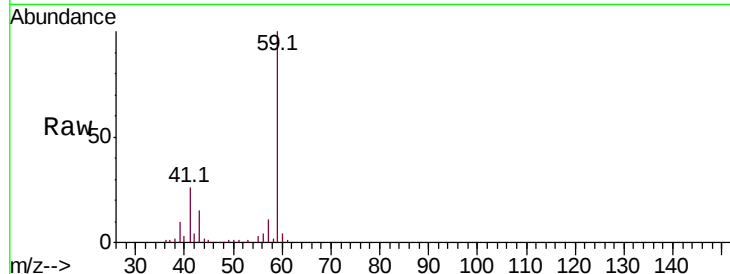
#11
Tert butyl alcohol
Concen: 101.148 ug/l
RT: 3.05 min Scan# 311
Delta R.T. 0.00 min
Lab File: VX009773.D
Acq: 22 May 2019 02:17

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBSD04

Tot Ion: 59 Resp: 50220
Ion Ratio Lower Upper
59 100
57 10.5 8.2 12.2

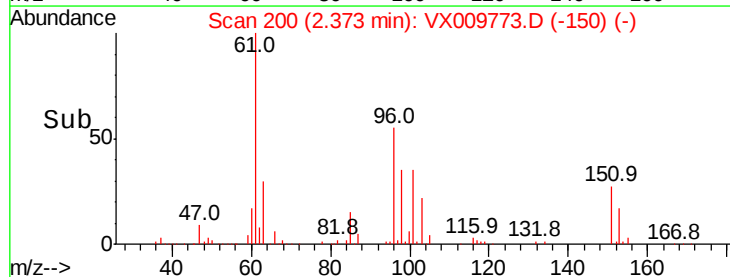
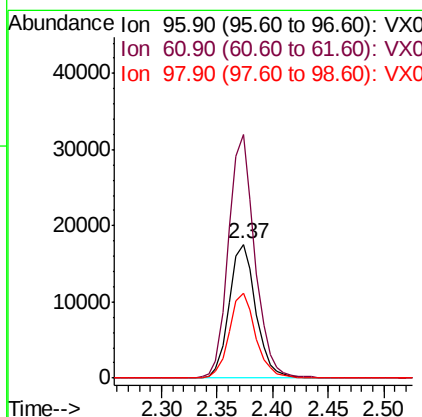
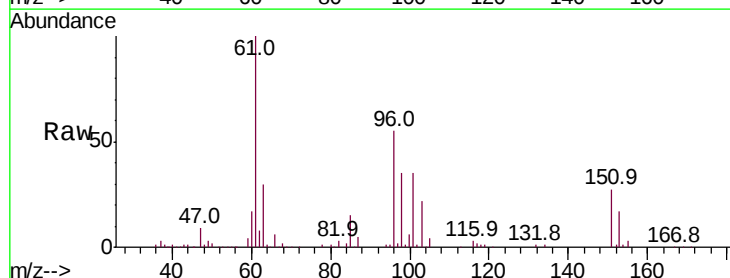
Manual Integrations
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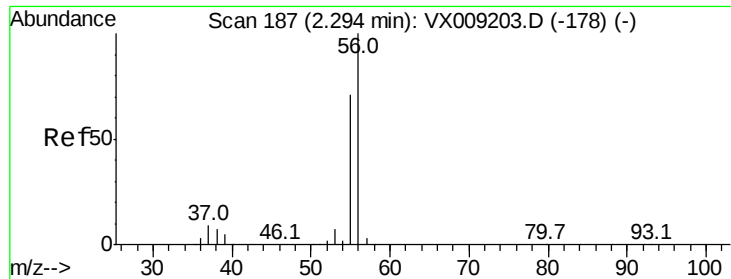
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5/22/2019 11:39:50 AM



#12
1,1-Dichloroethene
Concen: 19.795 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX009773.D
Acq: 22 May 2019 02:17

Tgt Ion: 96 Resp: 29183
Ion Ratio Lower Upper
96 100
61 182.2 144.3 216.5
98 63.8 50.3 75.5





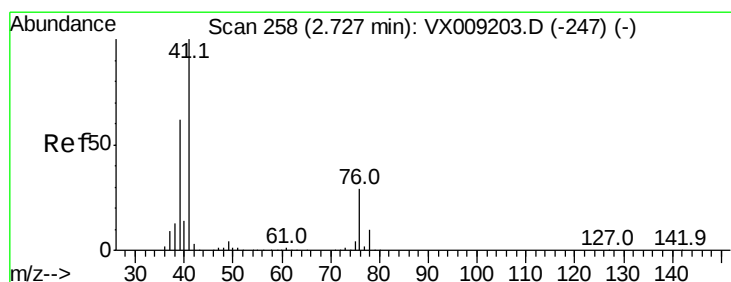
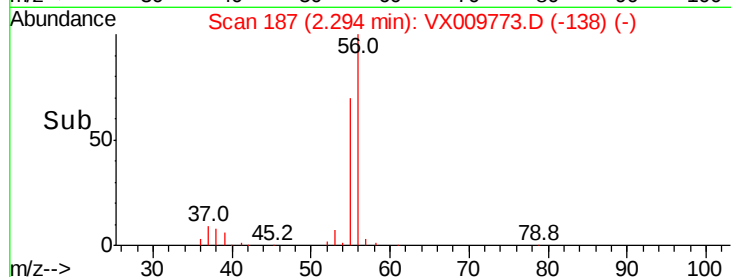
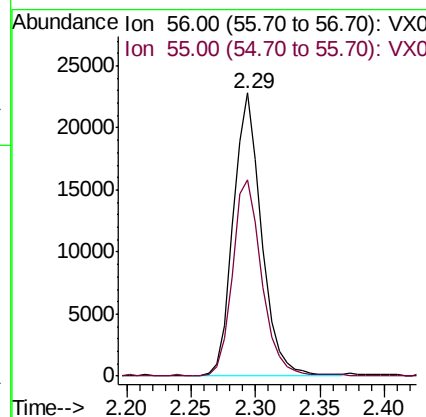
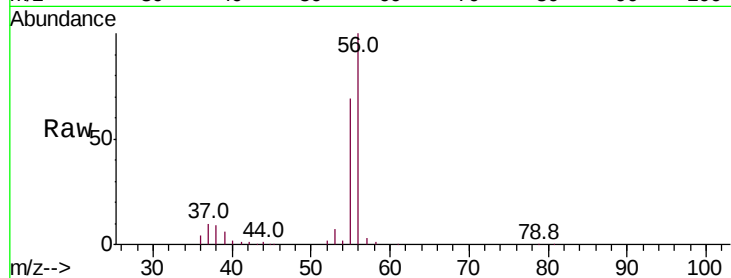
#13
Acrolein
Concen: 78.283 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX009773.D
Acq: 22 May 2019 02:17

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBSD04

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.8	56.6	85.0

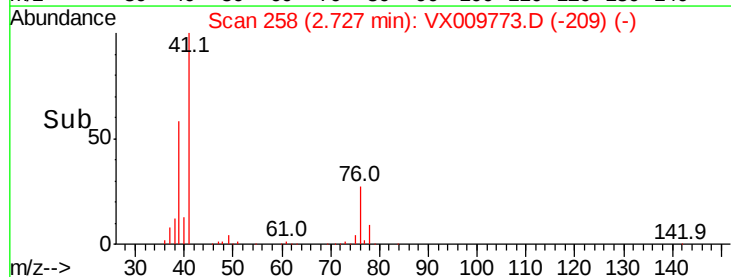
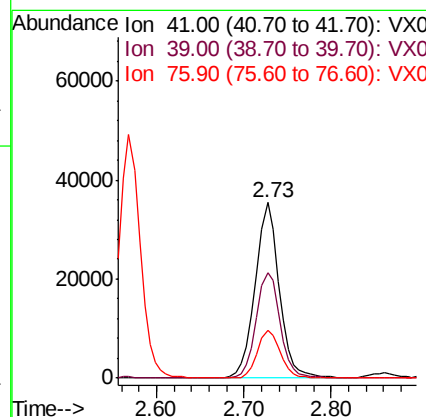
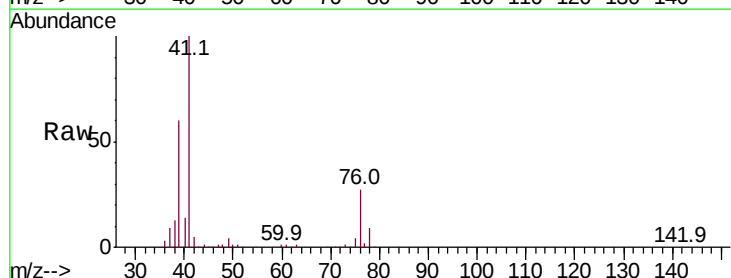
Manual Integrations
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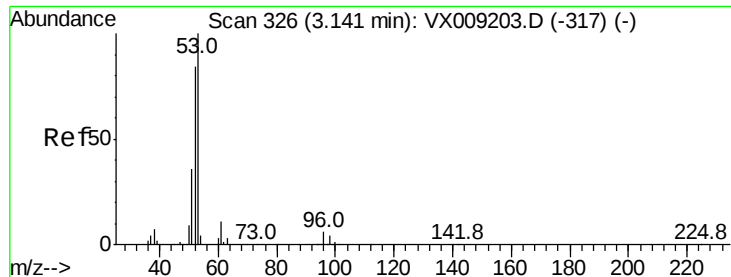
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#14
Allyl chloride
Concen: 18.937 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.00 min
Lab File: VX009773.D
Acq: 22 May 2019 02:17

Tgt Ion	Ratio	Lower	Upper
41	100		
39	60.3	46.7	70.1
76	25.9	21.8	32.8





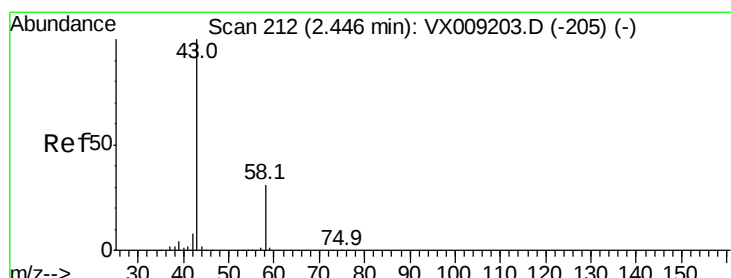
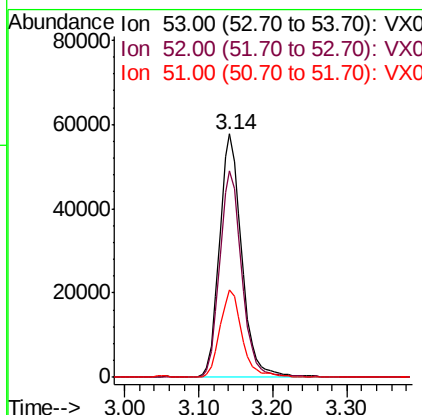
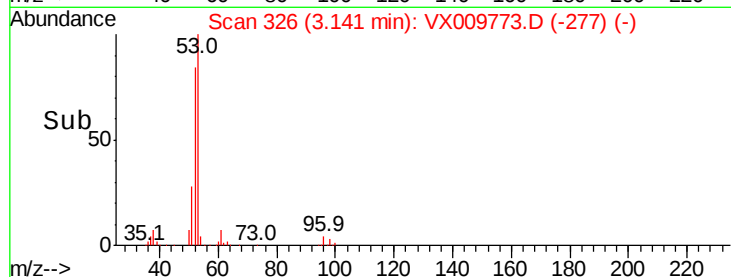
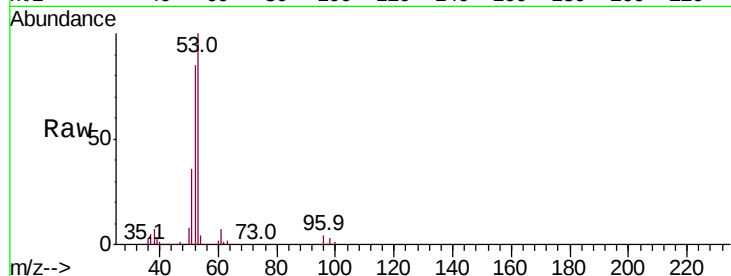
#15
 Acrylonitrile
 Concen: 98.639 ug/l
 RT: 3.14 min Scan# 326
 Delta R.T. 0.00 min
 Lab File: VX009773.D
 Acq: 22 May 2019 02:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0521WBSD04

Tot Ion	53	Resp	119746
Ion	Ratio	Lower	Upper
53	100		
52	83.4	66.9	100.3
51	36.0	28.2	42.2

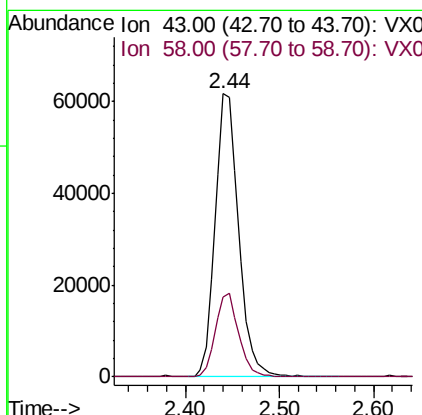
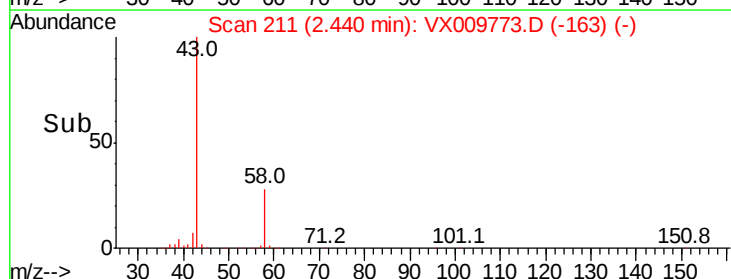
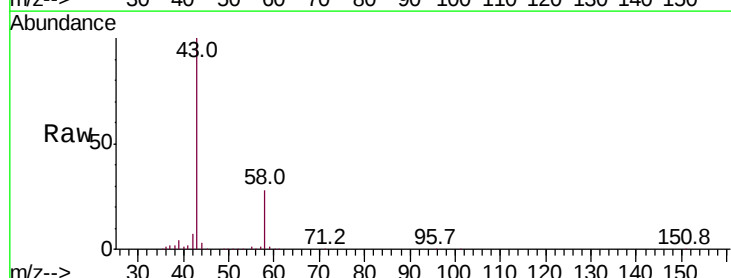
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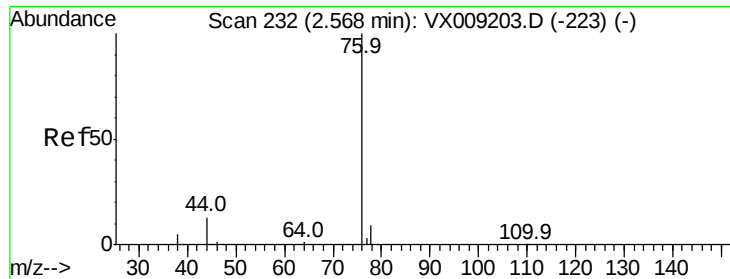
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#16
 Acetone
 Concen: 93.196 ug/l
 RT: 2.44 min Scan# 211
 Delta R.T. -0.01 min
 Lab File: VX009773.D
 Acq: 22 May 2019 02:17

Tgt Ion	43	Resp	107339
Ion	Ratio	Lower	Upper
43	100		
58	28.3	24.9	37.3





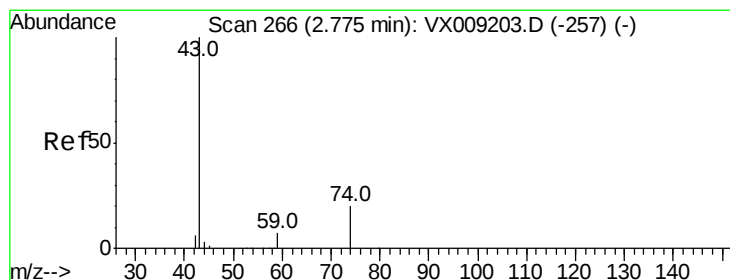
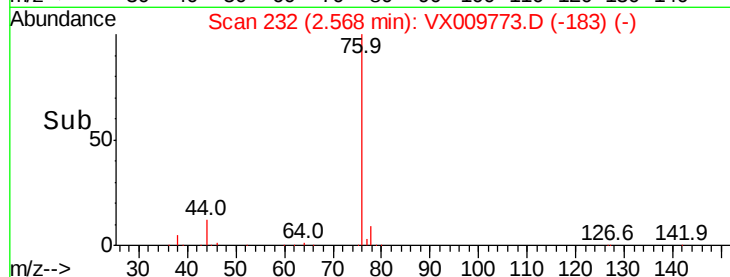
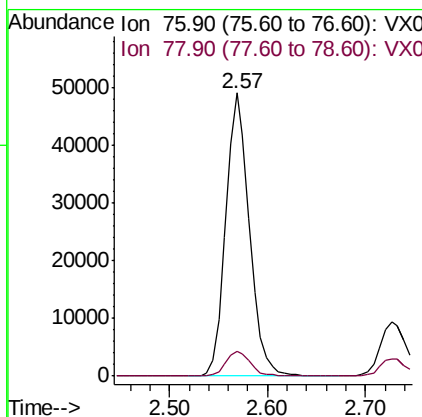
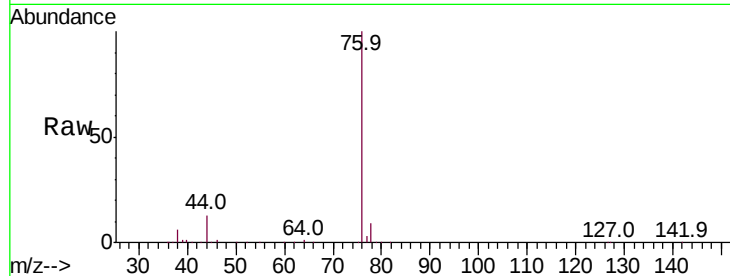
#17
Carbon Disulfide
Concen: 19.938 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX009773.D
Acq: 22 May 2019 02:17

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBSD04

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.4	11.0

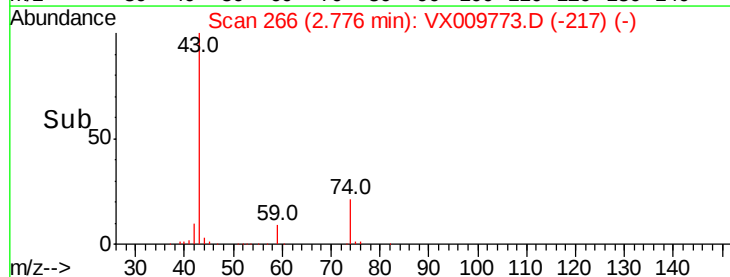
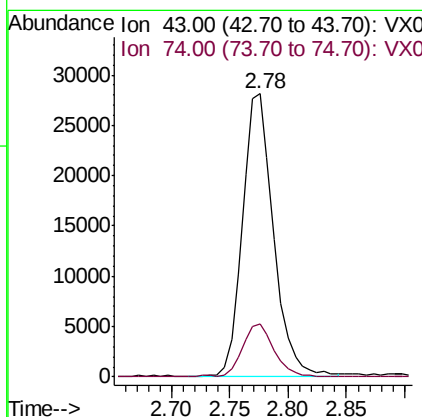
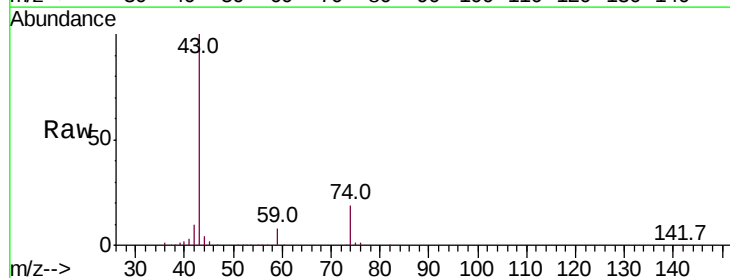
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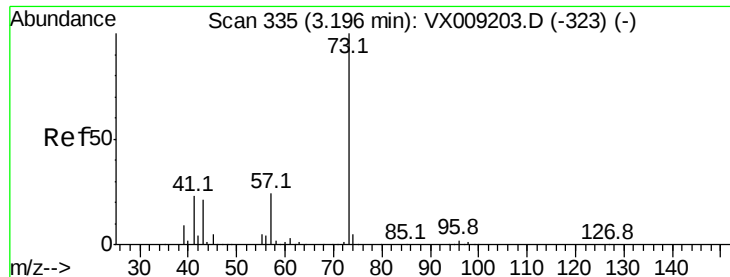
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5/22/2019 11:39:50 AM



#18
Methyl Acetate
Concen: 18.966 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX009773.D
Acq: 22 May 2019 02:17

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.8	16.2	24.4





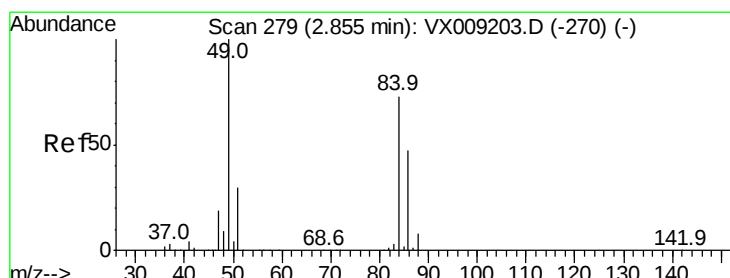
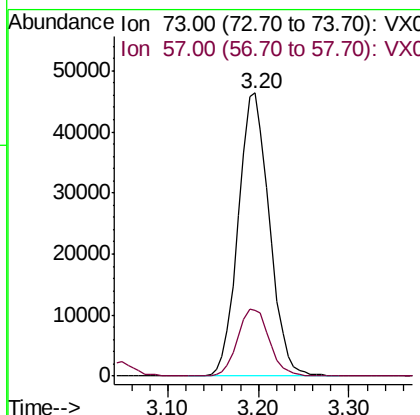
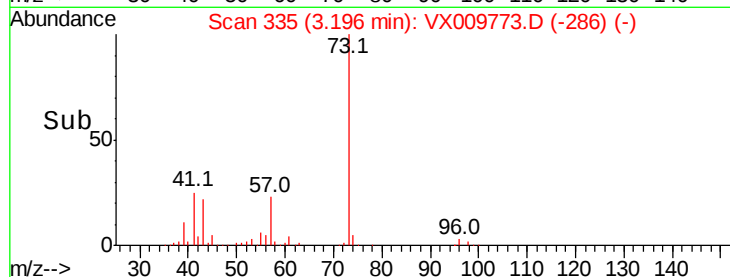
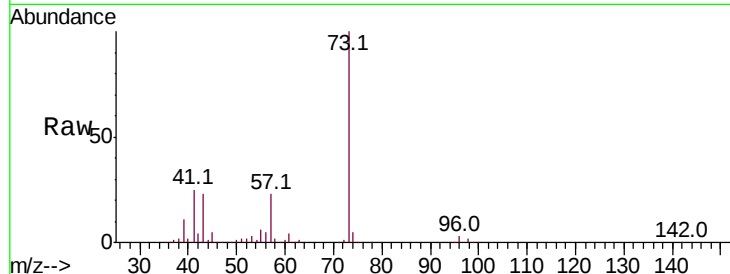
#19
Methvl tert-butvl Ether
Concen: 19.270 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX009773.D
Acq: 22 May 2019 02:17

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBSD04

Tot Ion: 73 Resp: 110322
Ion Ratio Lower Upper
73 100
57 23.5 19.3 28.9

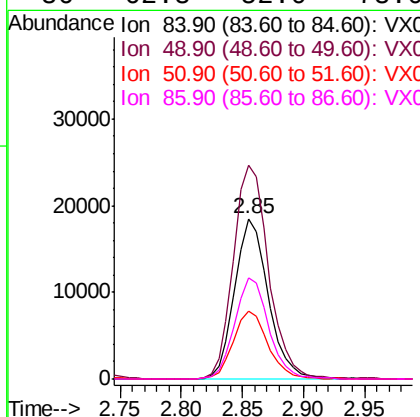
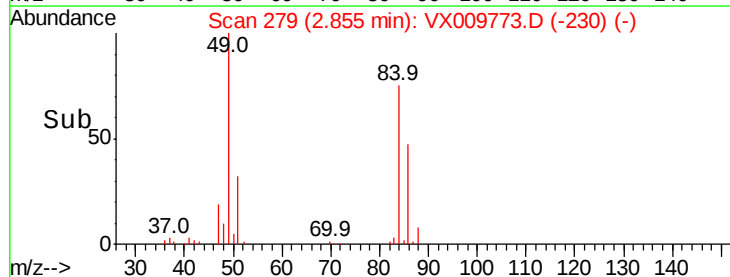
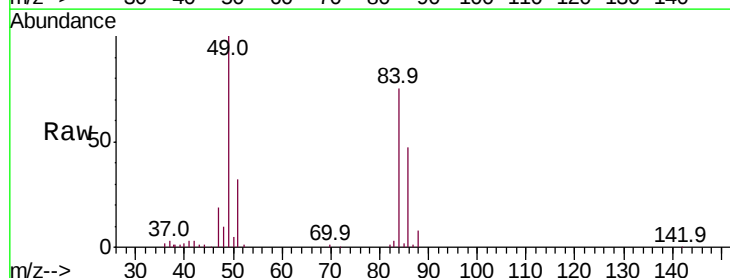
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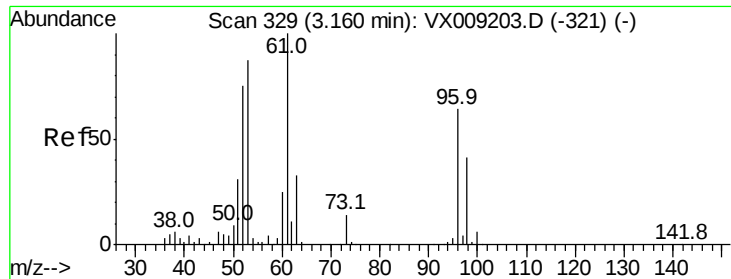
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5/22/2019 11:39:50 AM



#20
Methylene Chloride
Concen: 18.898 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX009773.D
Acq: 22 May 2019 02:17

Tgt Ion: 84 Resp: 35242
Ion Ratio Lower Upper
84 100
49 133.1 109.9 164.9
51 41.8 32.7 49.1
86 62.8 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 19.040 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009773.D

Acq: 22 May 2019 02:17

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBSD04

Tot Ion: 96 Resp: 30442

Ion Ratio Lower Upper

96 100

61 156.0 124.5 186.7

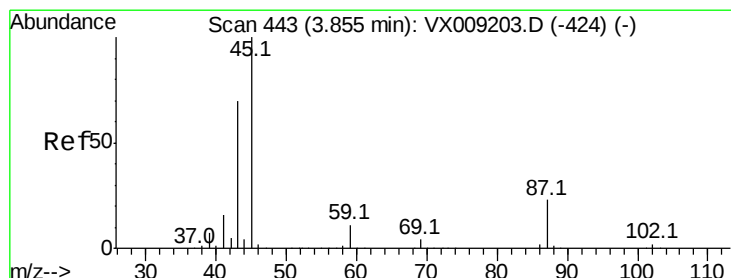
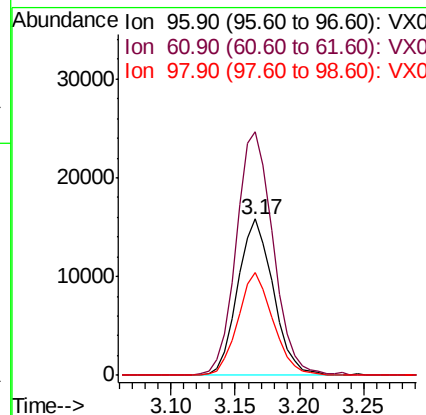
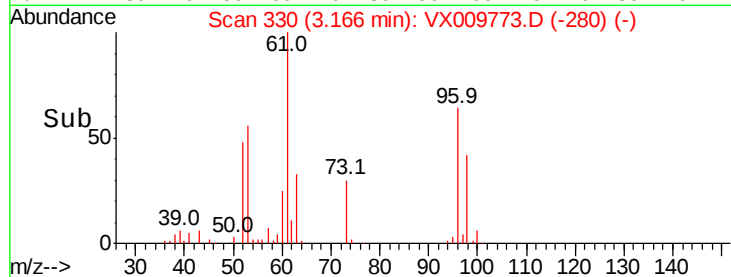
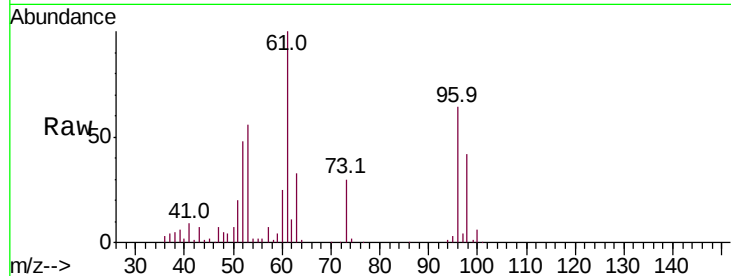
98 65.6 50.4 75.6

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5/22/2019 11:39:50 AM



#22

Diisopropyl ether

Concen: 19.799 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX009773.D

Acq: 22 May 2019 02:17

Tgt Ion: 45 Resp: 136798

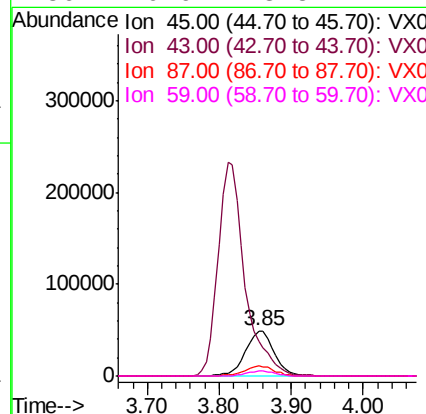
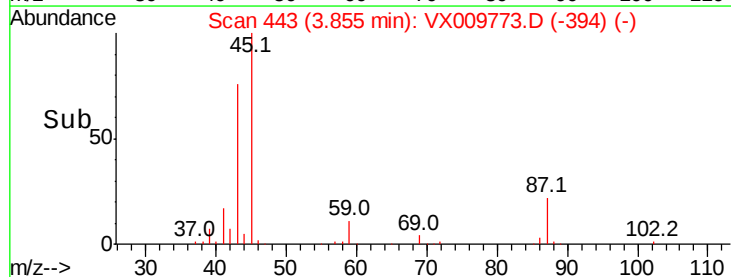
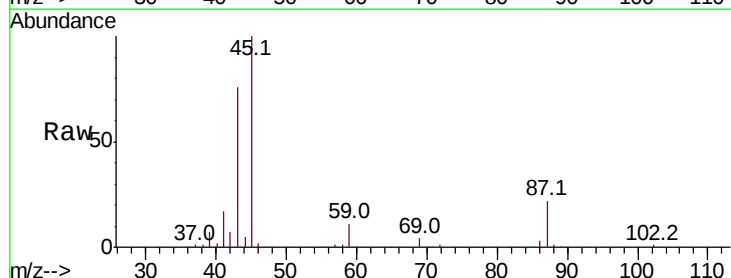
Ion Ratio Lower Upper

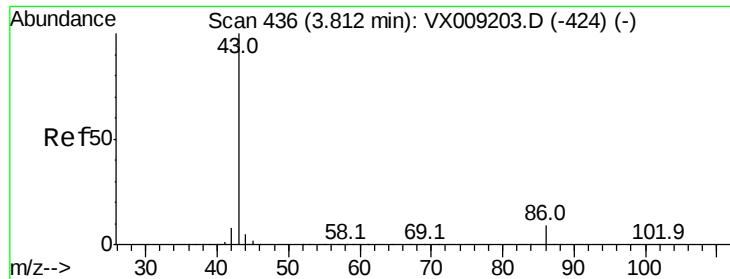
45 100

43 75.9 56.1 84.1

87 22.0 18.1 27.1

59 10.9 8.5 12.7





#23

Vinyl Acetate

Concen: 101.842 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX009773.D

Acq: 22 May 2019 02:17

Instrument :

MSVOA_X

ClientSampleID :

VX0521WBSD04

Tot Ion: 43 Resp: 602564

Ion Ratio Lower Upper

43 100

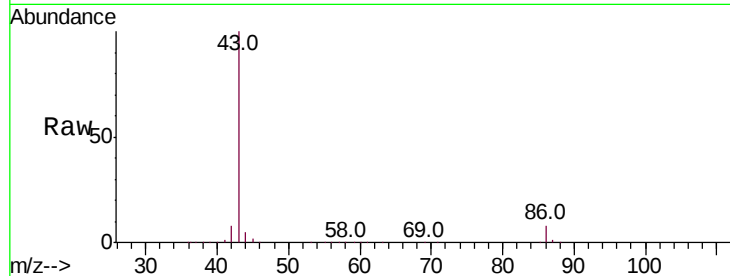
86 8.1 6.9 10.3

Manual Integrations

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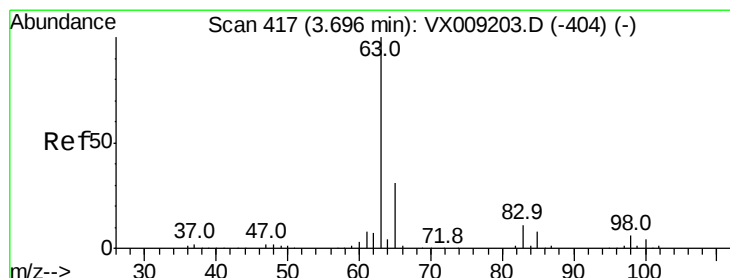
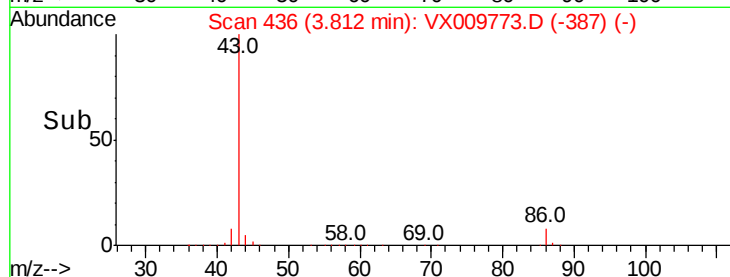
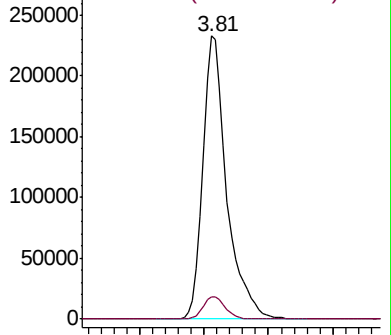
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 19.334 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX009773.D

Acq: 22 May 2019 02:17

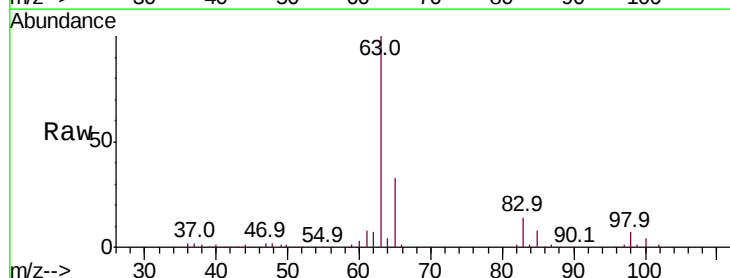
Tgt Ion: 63 Resp: 65901

Ion Ratio Lower Upper

63 100

98 6.6 3.0 9.2

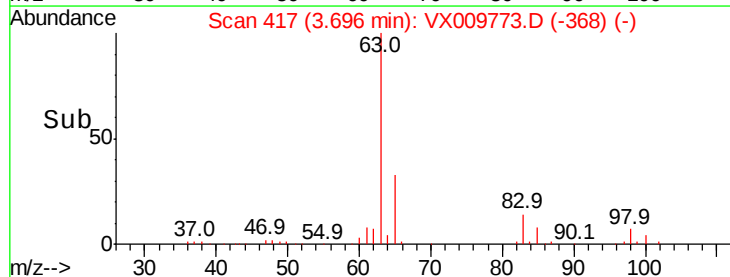
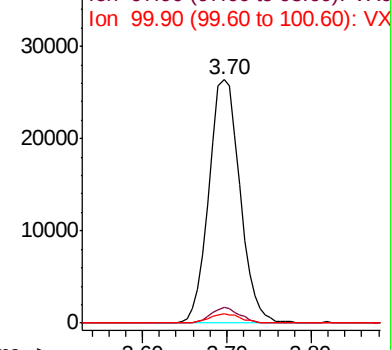
100 4.0 2.0 6.0

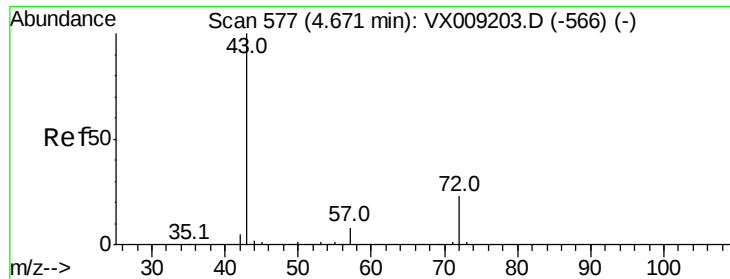


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 98.925 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX009773.D

Acq: 22 May 2019 02:17

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBSD04

Tot Ion: 43 Resp: 177054

Ion Ratio Lower Upper

43 100

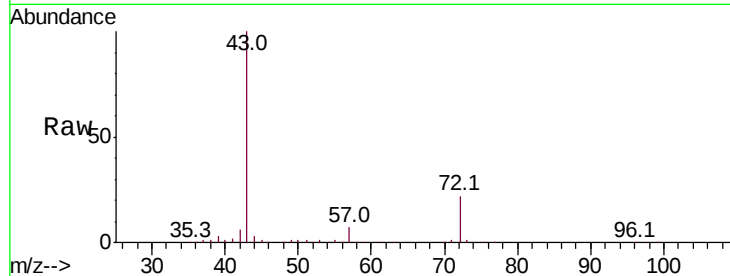
72 22.0 18.2 27.2

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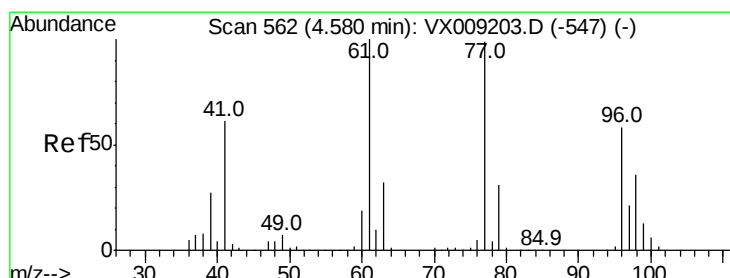
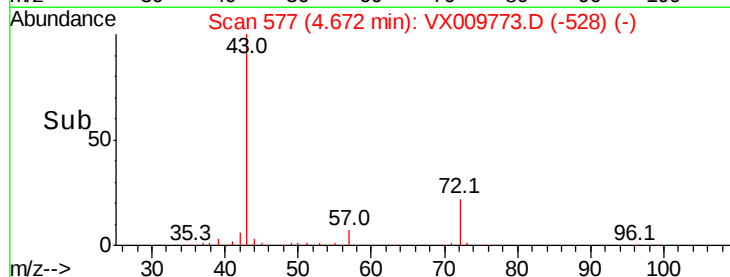
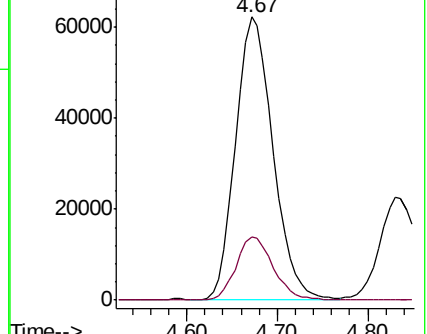
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 14.029 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX009773.D

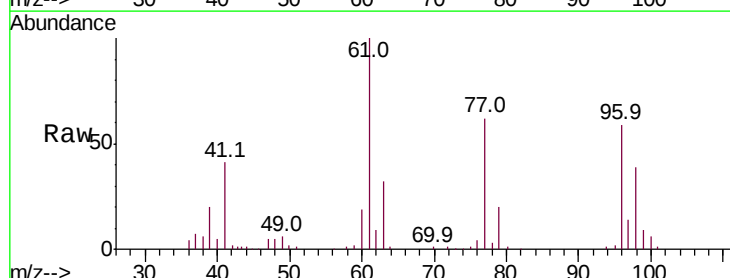
Acq: 22 May 2019 02:17

Tgt Ion: 77 Resp: 35594

Ion Ratio Lower Upper

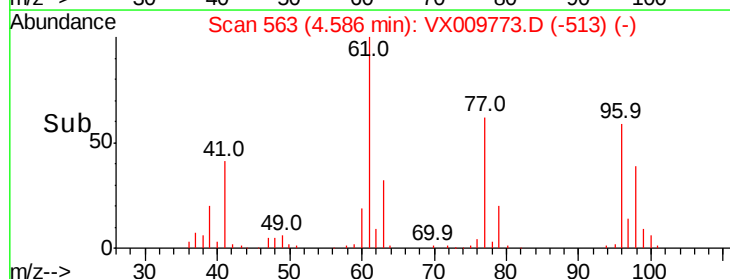
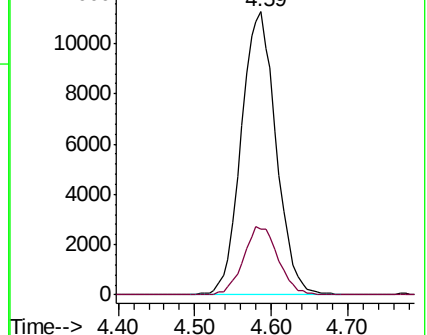
77 100

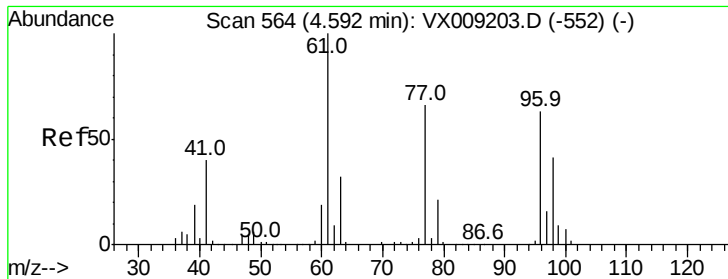
97 24.0 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

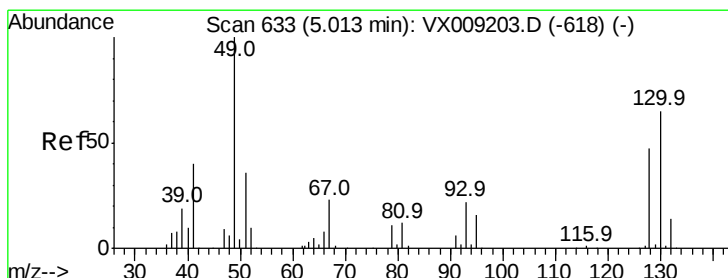
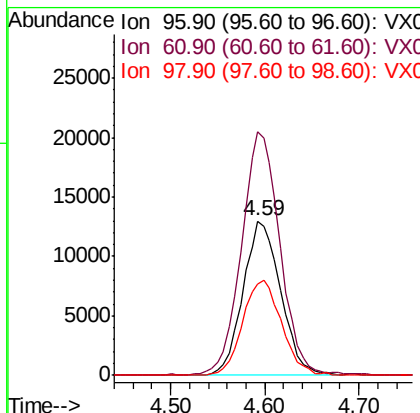
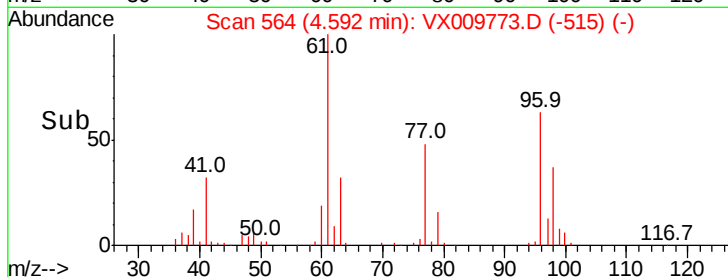
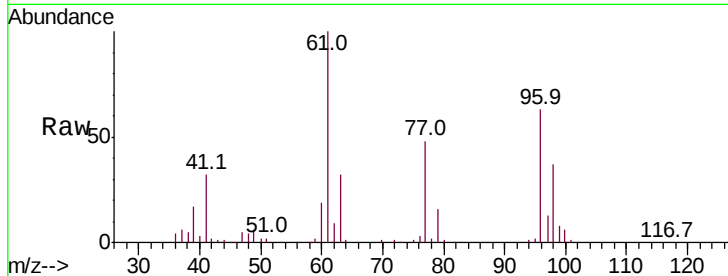
cis-1,2-Dichloroethene
 Concen: 19.038 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. 0.00 min
 Lab File: VX009773.D
 Acq: 22 May 2019 02:17

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0521WBSD04

Tot Ion	Ratio	Lower	Upper
96	100		
61	161.2	0.0	324.0
98	63.8	0.0	130.4

Manual Integrations
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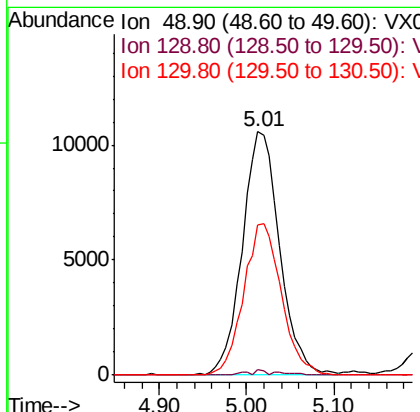
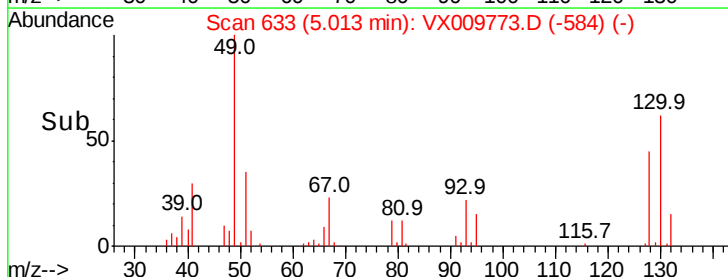
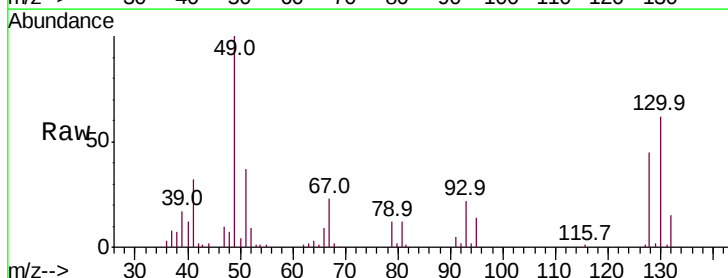
MMDadoda
 5/22/2019 11:39:50 AM

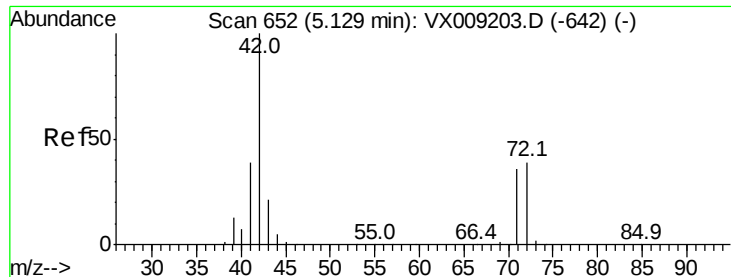


#28

Bromochloromethane
 Concen: 21.354 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. 0.00 min
 Lab File: VX009773.D
 Acq: 22 May 2019 02:17

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.5	0.0	3.8
130	62.6	51.2	76.8





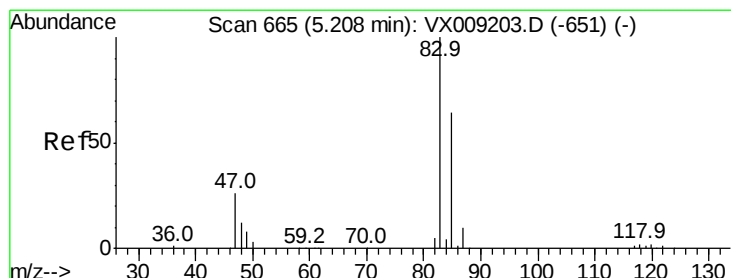
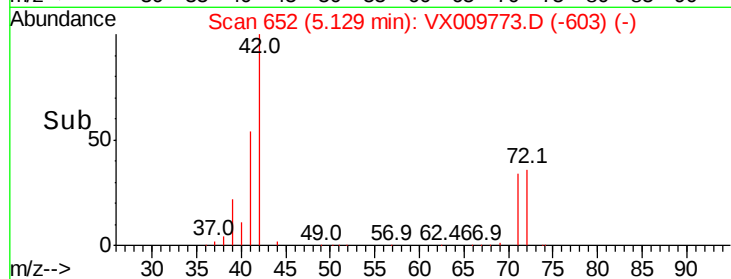
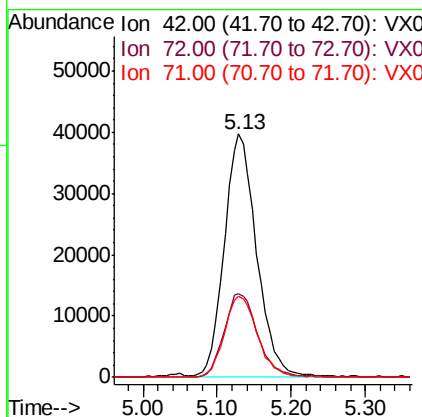
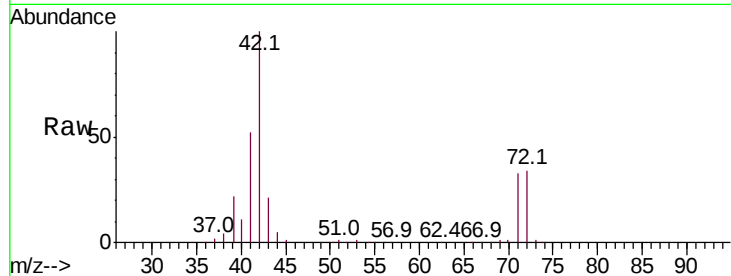
#29
Tetrahydrofuran
Concen: 103.854 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX009773.D
Acq: 22 May 2019 02:17

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBSD04

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.1	30.4	45.6
71	34.4	28.6	43.0

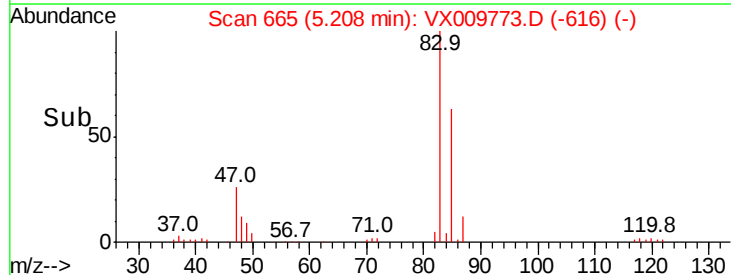
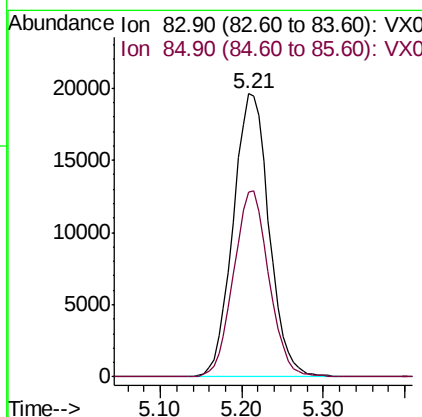
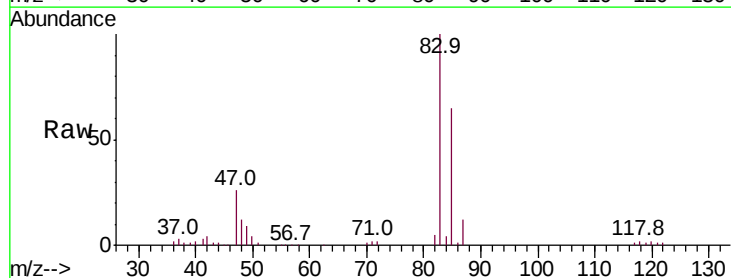
Manual Integrations
APPROVED

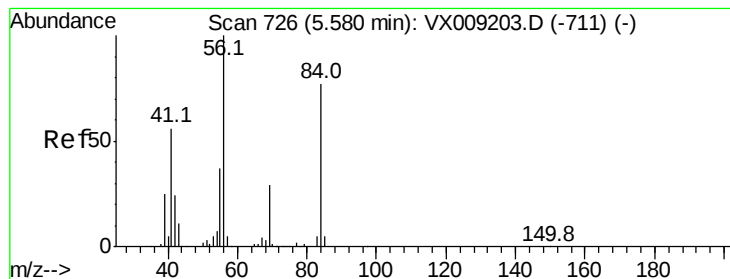
MMDadoda
5/22/2019 11:39:50 AM



#30
Chloroform
Concen: 19.368 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX009773.D
Acq: 22 May 2019 02:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.5	77.3





#31

Cyclohexane

Concen: 20.016 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX009773.D

Acq: 22 May 2019 02:17

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBSD04

Tot Ion: 56 Resp: 63473

Ion Ratio Lower Upper

56 100

69 26.8 23.4 35.0

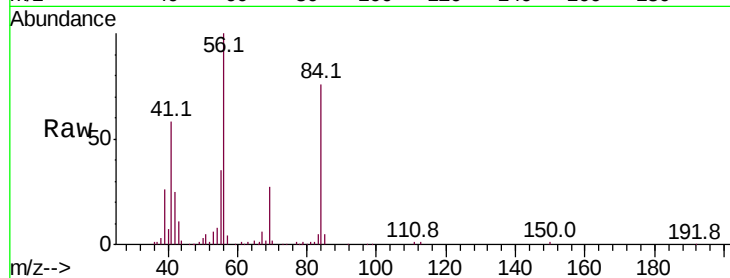
84 74.8 61.9 92.9

Manual Integrations

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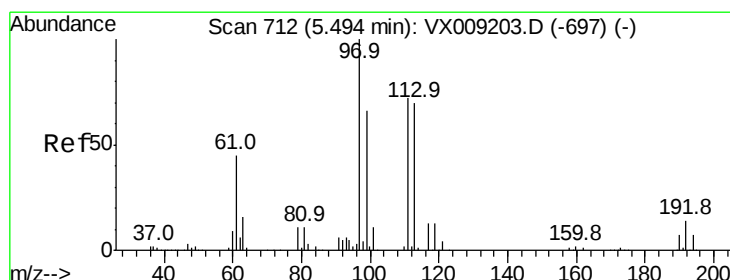
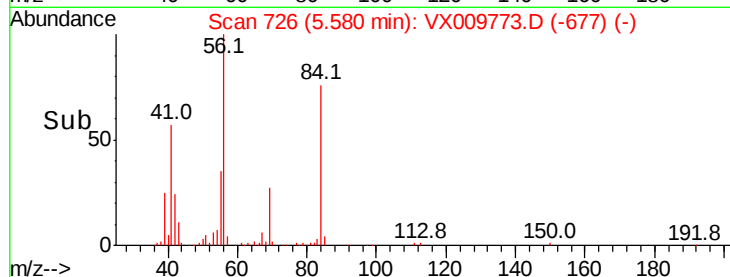
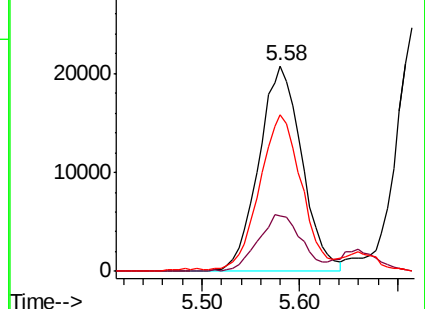
5/22/2019 11:39:50 AM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 19.109 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX009773.D

Acq: 22 May 2019 02:17

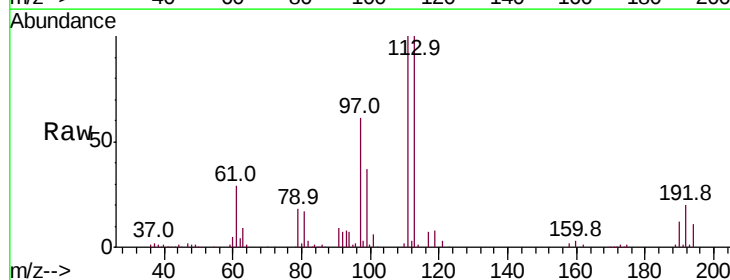
Tgt Ion: 97 Resp: 49038

Ion Ratio Lower Upper

97 100

99 64.4 51.8 77.8

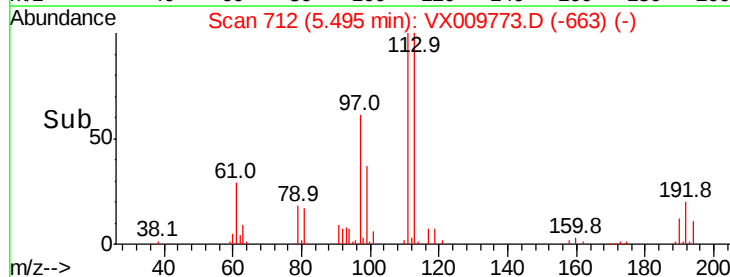
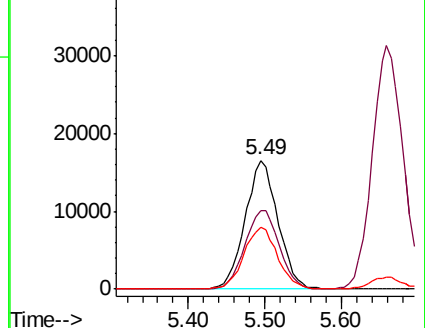
61 50.0 37.8 56.8

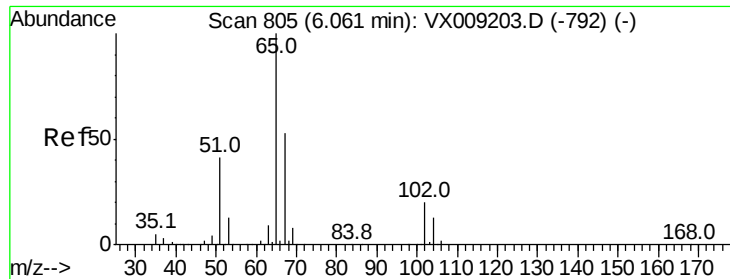


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





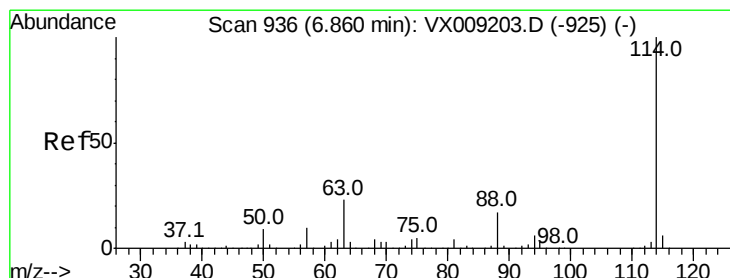
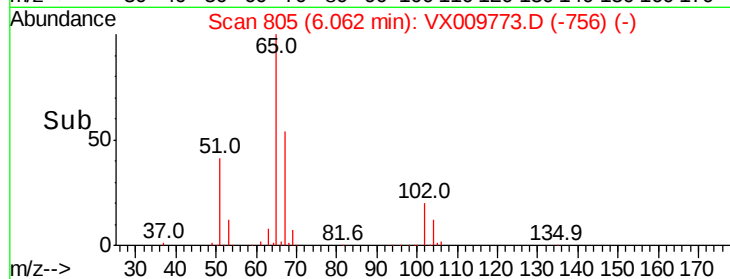
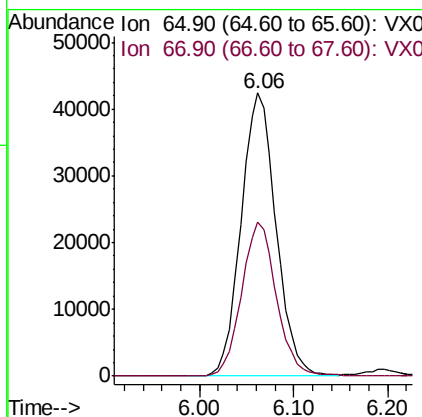
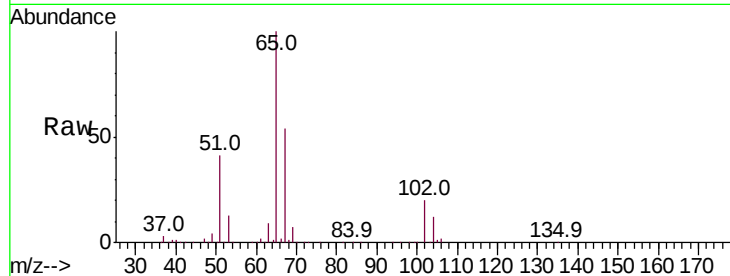
#33
 1,2-Dichloroethane-d4
 Concen: 51.285 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009773.D
 Acq: 22 May 2019 02:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0521WBSD04

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.0	0.0	106.6

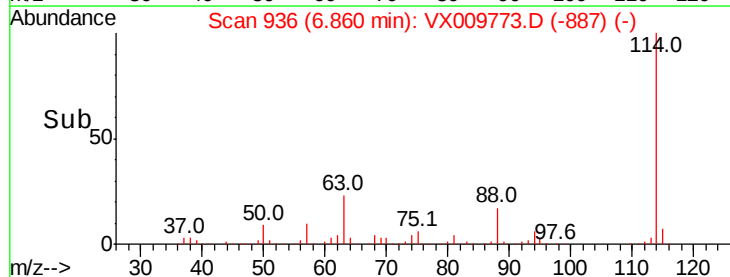
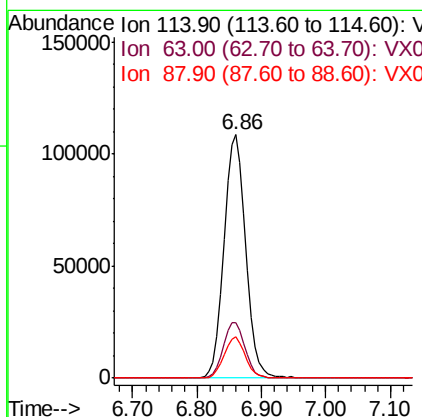
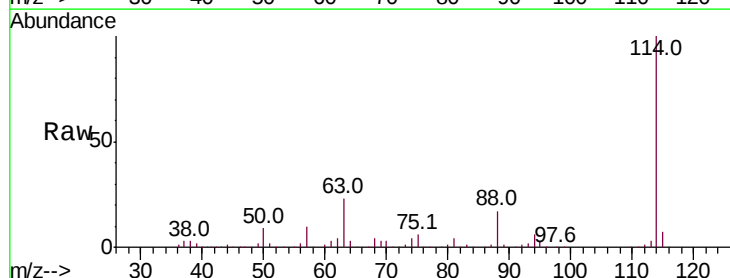
Manual Integrations
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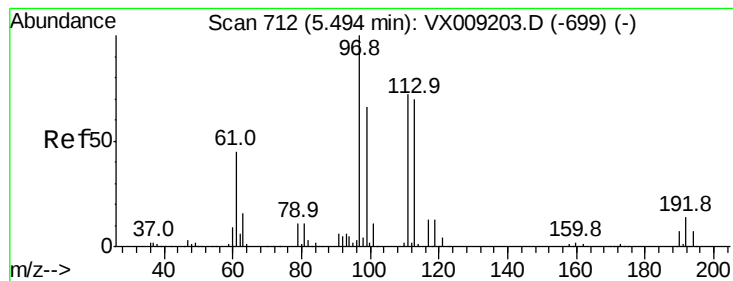
MMDadoda
 5/22/2019 11:39:50 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009773.D
 Acq: 22 May 2019 02:17

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.9	0.0	45.6
88	16.8	0.0	33.2





#35

Dibromofluoromethane

Concen: 48.505 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009773.D

Acq: 22 May 2019 02:17

Instrument :

MSVOA_X

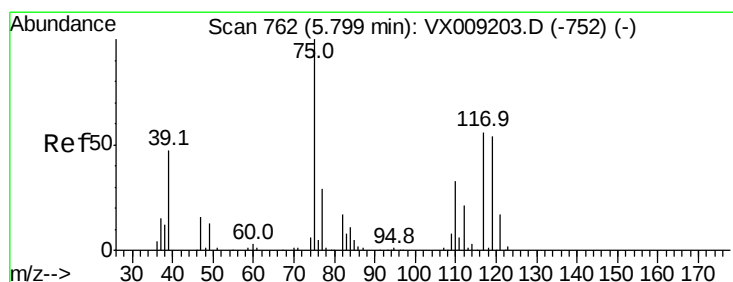
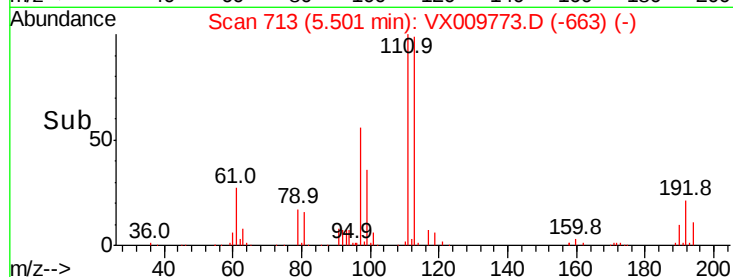
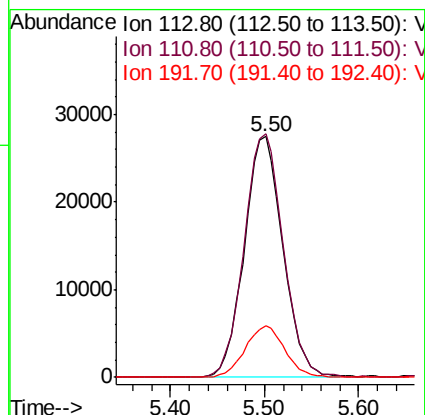
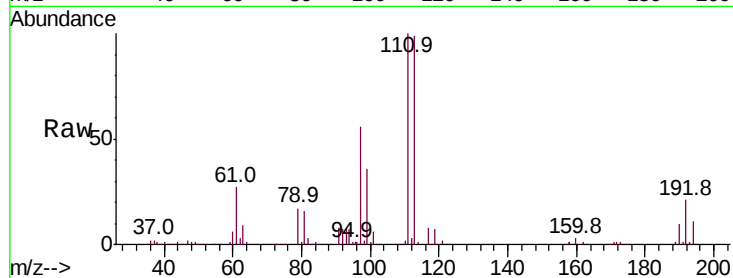
ClientSampleId :

VX0521WBSD04

Tot Ion:	113	Resp:	78970
Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.8	124.2
192	21.9	17.0	25.6

Manual Integrations
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MMDadoda
5/22/2019 11:39:50 AM



#36

1,1-Dichloropropene

Concen: 18.653 ug/l

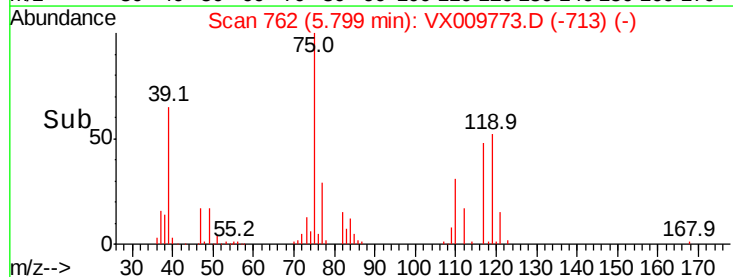
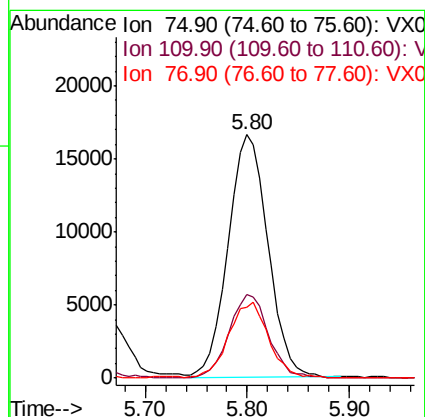
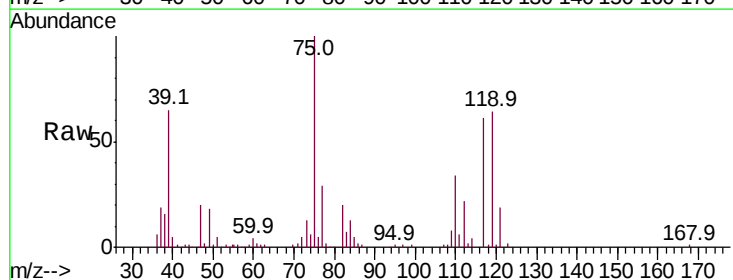
RT: 5.80 min Scan# 762

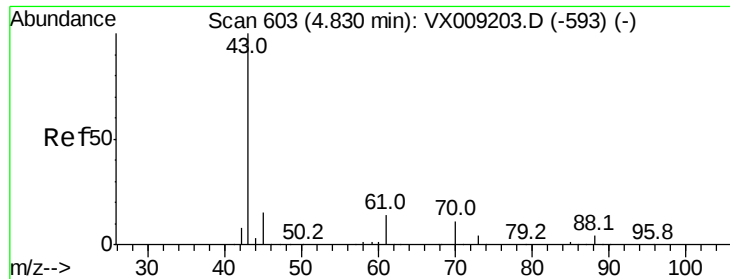
Delta R.T. 0.00 min

Lab File: VX009773.D

Acq: 22 May 2019 02:17

Tgt Ion:	75	Resp:	44894
Ion	Ratio	Lower	Upper
75	100		
110	34.2	16.9	50.6
77	31.6	24.8	37.2





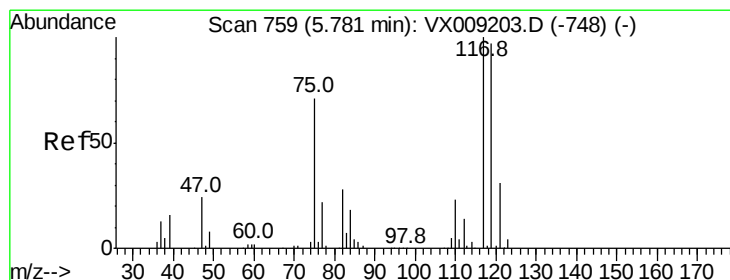
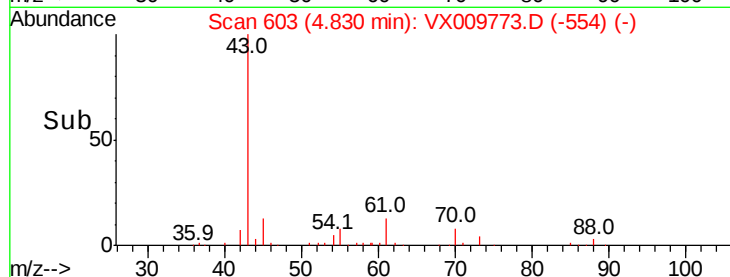
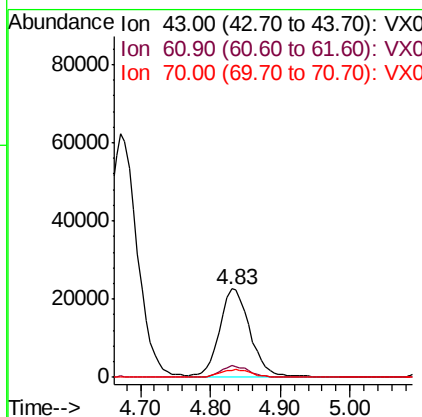
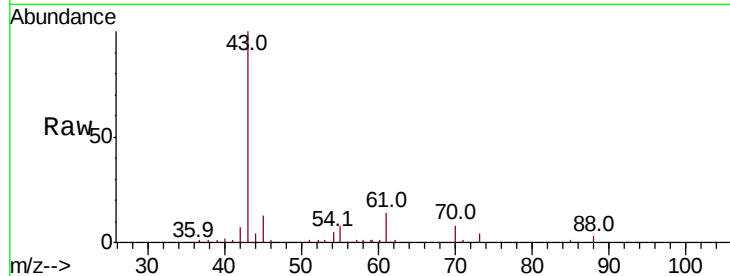
#37
Ethyl Acetate
Concen: 20.131 ug/l
RT: 4.83 min Scan# 603
Delta R.T. 0.00 min
Lab File: VX009773.D
Acq: 22 May 2019 02:17

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBSD04

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.9	10.5	15.7
70	9.3	7.9	11.9

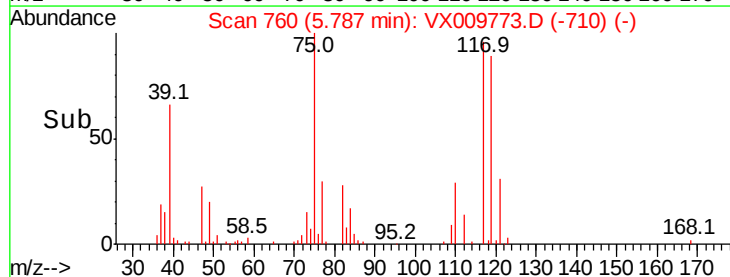
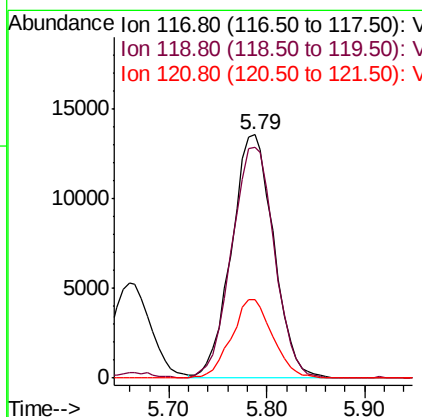
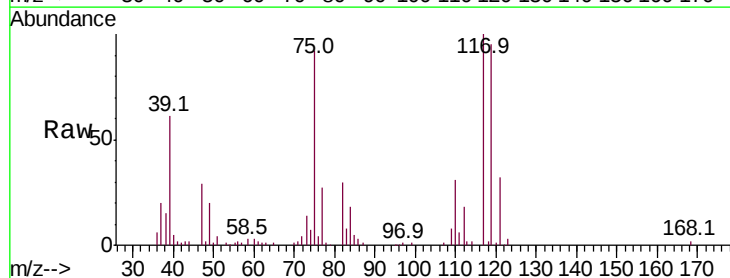
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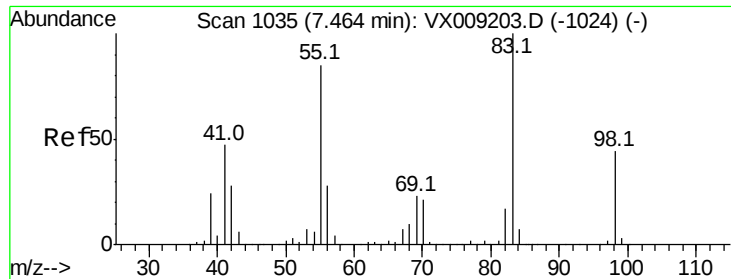
MMDadoda
5/22/2019 11:39:50 AM



#38
Carbon Tetrachloride
Concen: 18.520 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX009773.D
Acq: 22 May 2019 02:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	77.5	116.3
121	32.1	24.7	37.1





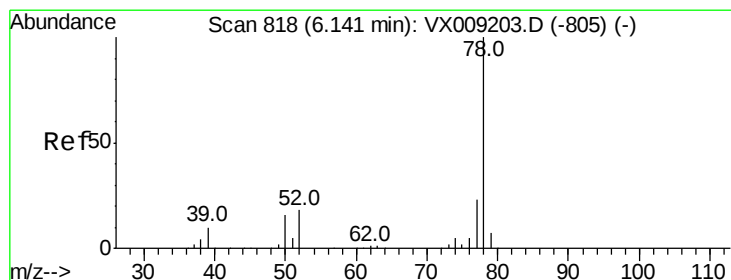
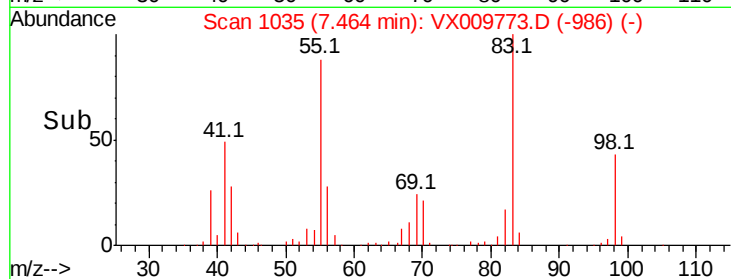
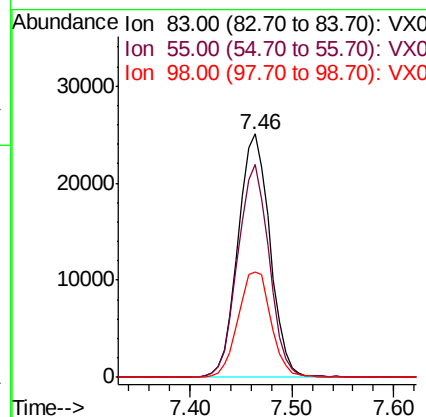
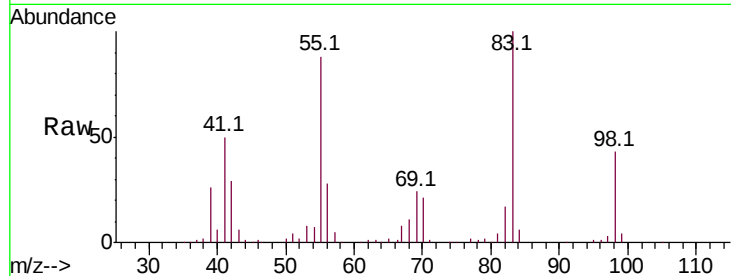
#39
Methylvlcyclohexane
Concen: 18.450 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX009773.D
Acq: 22 May 2019 02:17

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBSD04

Tot Ion: 83 Resp: 54534
Ion Ratio Lower Upper
83 100
55 87.6 67.7 101.5
98 43.1 35.5 53.3

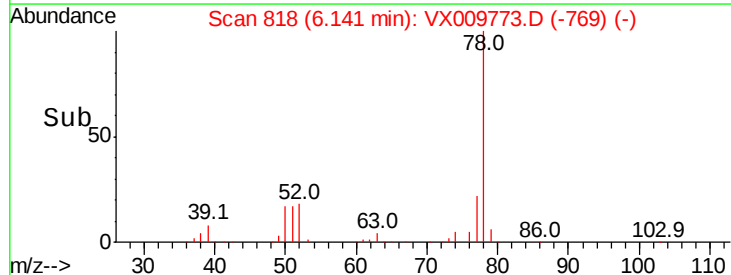
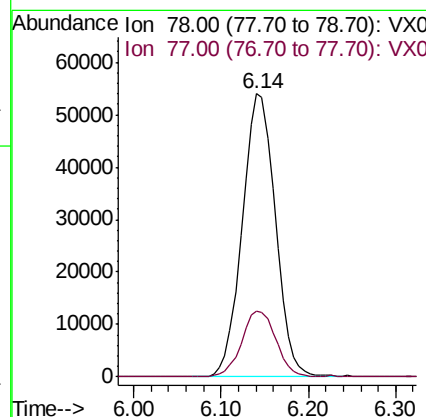
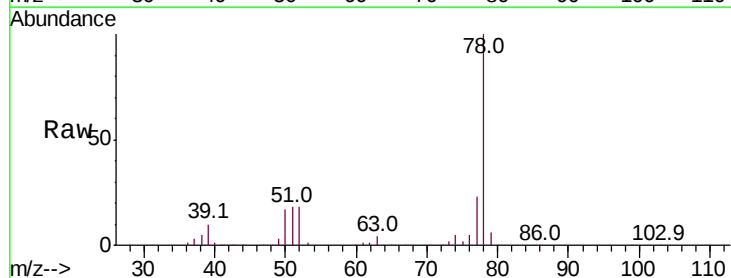
Manual Integrations
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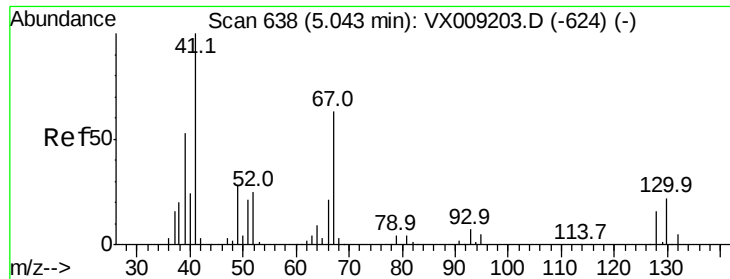
MMDadoda
5/22/2019 11:39:50 AM



#40
Benzene
Concen: 19.130 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX009773.D
Acq: 22 May 2019 02:17

Tgt Ion: 78 Resp: 142496
Ion Ratio Lower Upper
78 100
77 23.3 18.8 28.2





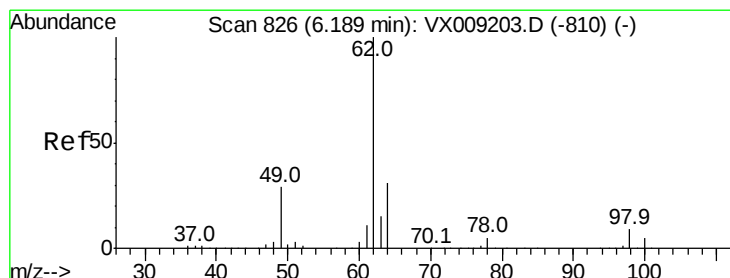
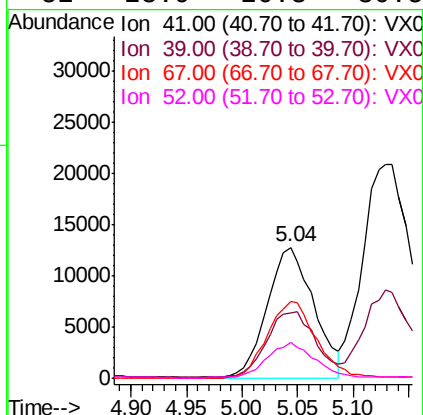
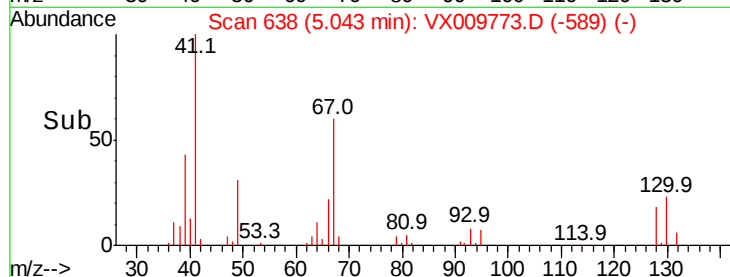
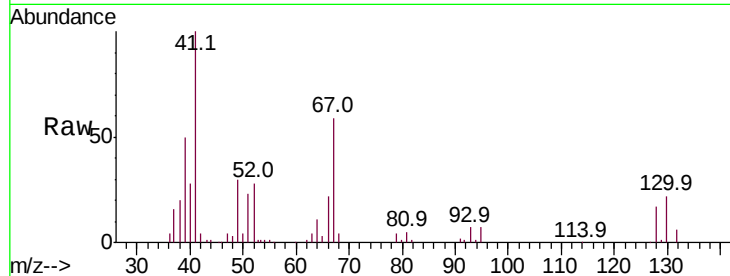
#41
Methacrylonitrile
Concen: 18.812 ug/l
RT: 5.04 min Scan# 638
Delta R.T. 0.00 min
Lab File: VX009773.D
Acq: 22 May 2019 02:17

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBSD04

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.4	42.0	63.0	
67	61.6	49.8	74.8	
52	28.9	20.3	30.5	

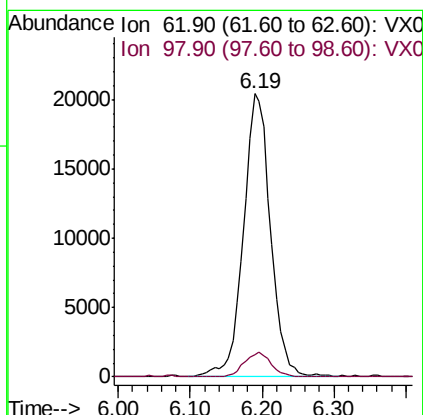
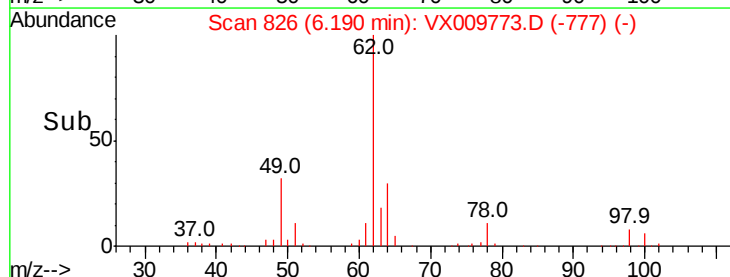
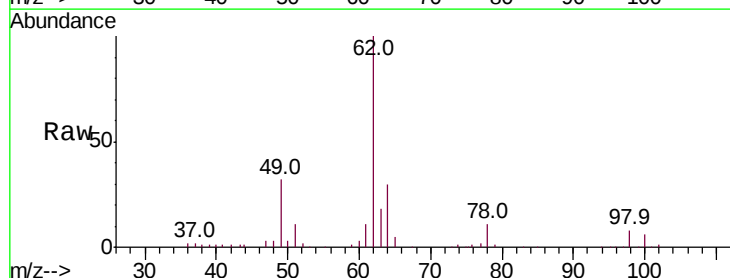
Manual Integrations
APPROVED

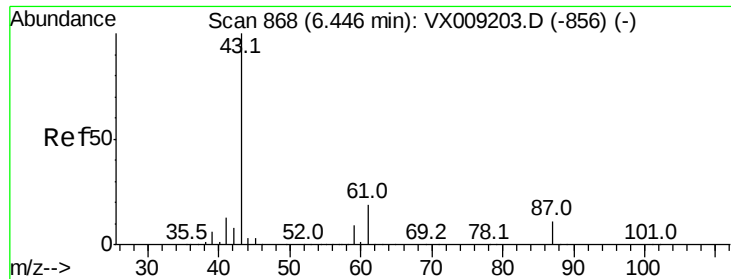
MMDadoda
5/22/2019 11:39:50 AM



#42
1,2-Dichloroethane
Concen: 19.932 ug/l
RT: 6.19 min Scan# 826
Delta R.T. 0.00 min
Lab File: VX009773.D
Acq: 22 May 2019 02:17

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.5	0.0	18.2	





#43

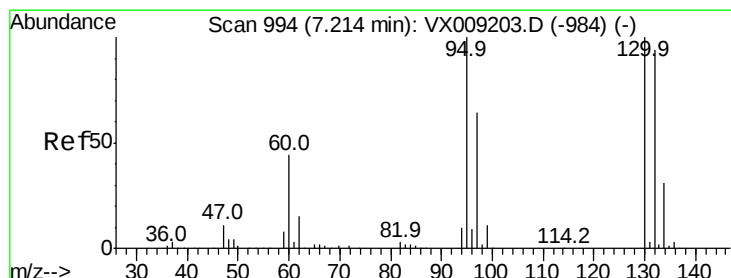
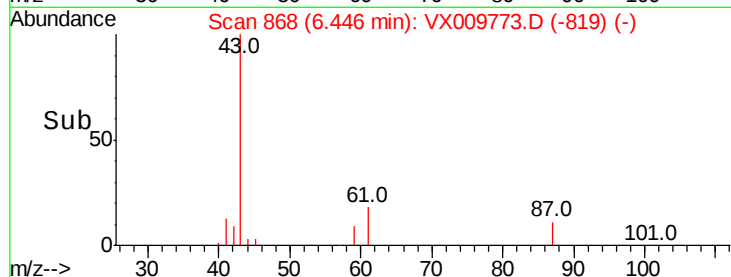
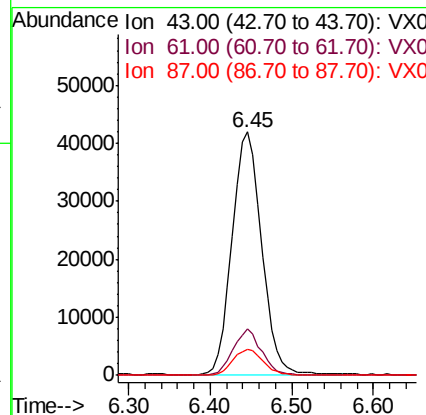
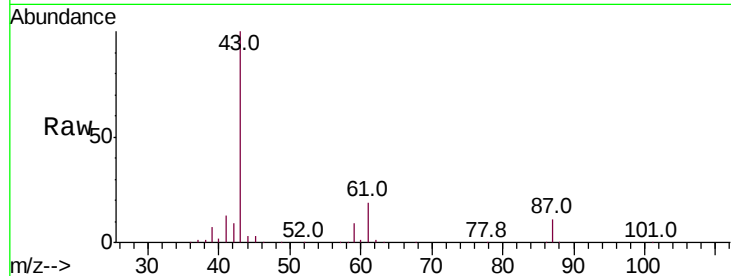
Isopropyl Acetate
 Concen: 19.506 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. 0.00 min
 Lab File: VX009773.D
 Acq: 22 May 2019 02:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0521WBSD04

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.4	15.1	22.7
87	11.1	9.0	13.6

Manual Integrations
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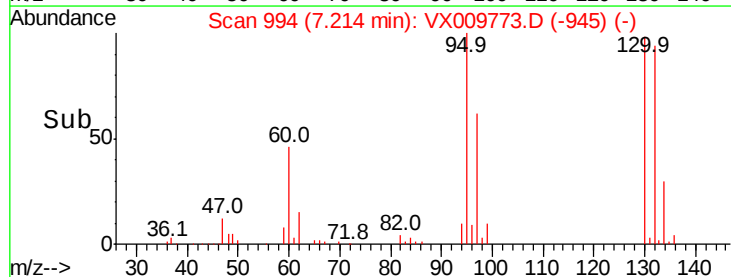
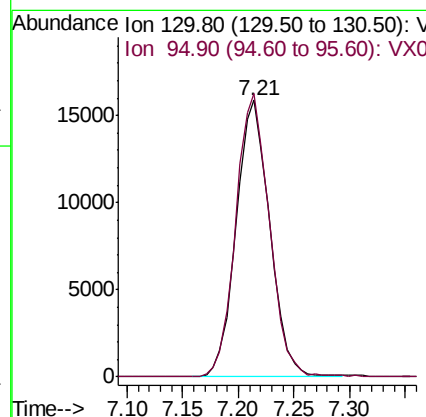
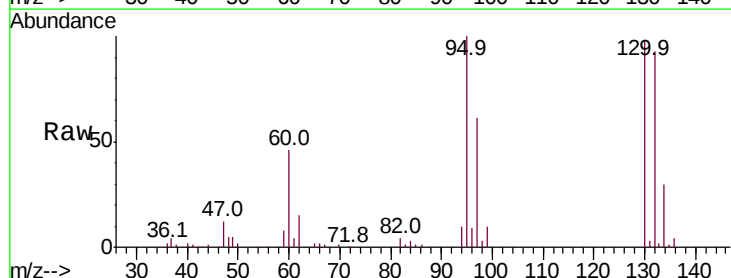
MMDadoda
 5/22/2019 11:39:50 AM

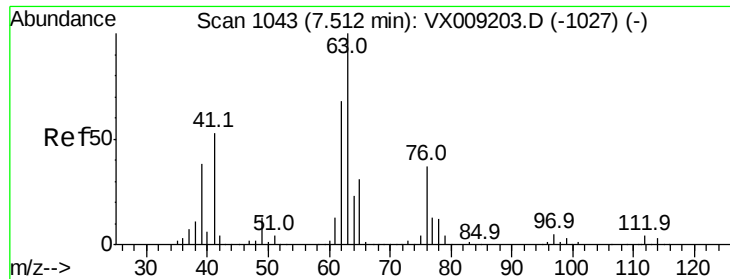


#44

Trichloroethene
 Concen: 18.449 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX009773.D
 Acq: 22 May 2019 02:17

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.4	0.0	199.2





#45

1,2-Dichloropropane

Concen: 19.323 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX009773.D

Acq: 22 May 2019 02:17

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBSD04

Tot Ion: 63 Resp: 40755

Ion Ratio Lower Upper

63 100

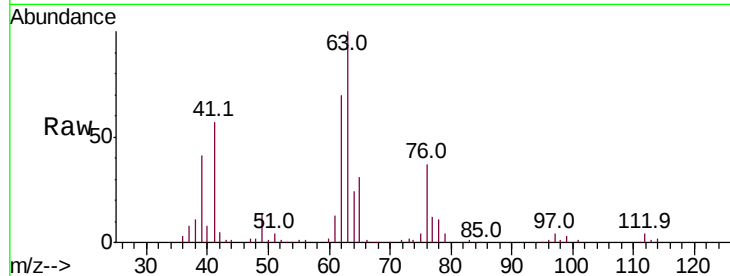
65 30.8 25.0 37.6

Manual Integrations

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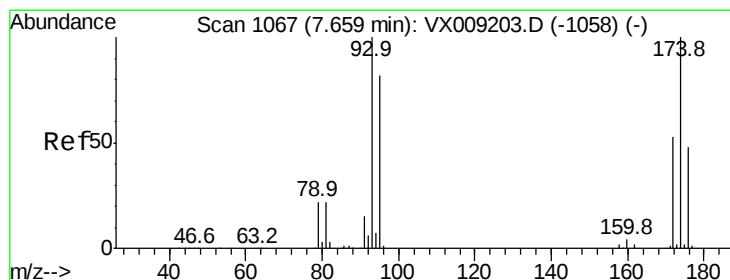
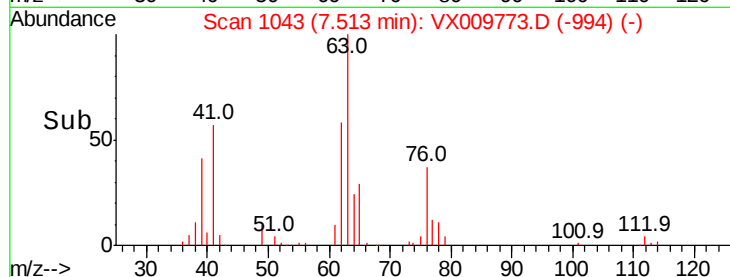
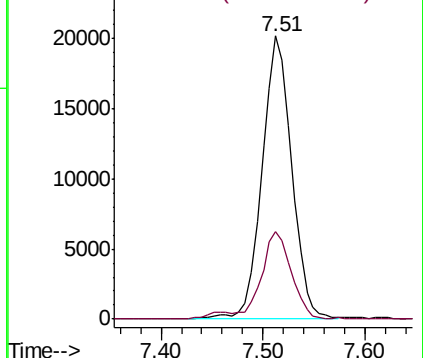
MMDadoda

5/22/2019 11:39:50 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 18.472 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX009773.D

Acq: 22 May 2019 02:17

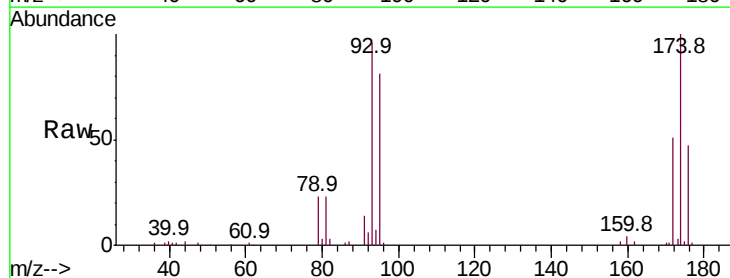
Tgt Ion: 93 Resp: 22624

Ion Ratio Lower Upper

93 100

95 85.9 66.5 99.7

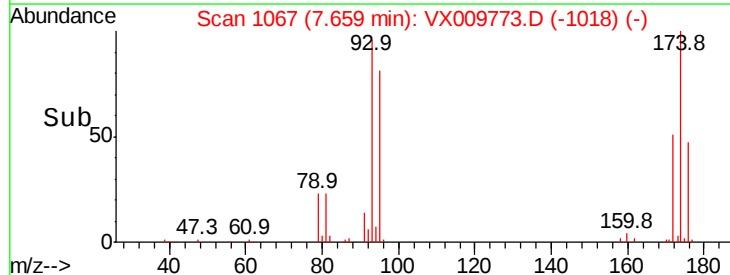
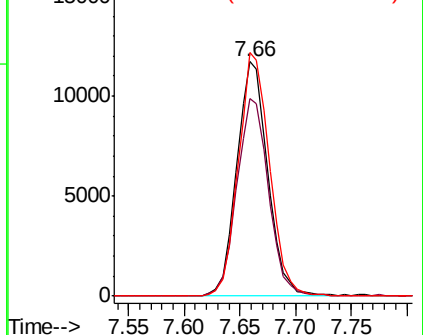
174 104.3 82.1 123.1

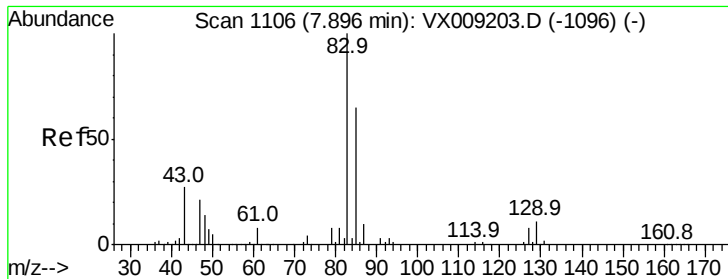


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 18.548 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX009773.D

Acq: 22 May 2019 02:17

Instrument :

MSVOA_X

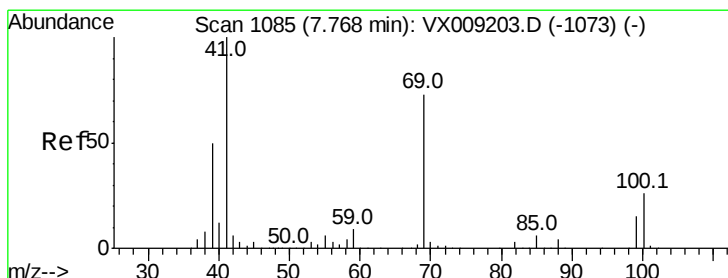
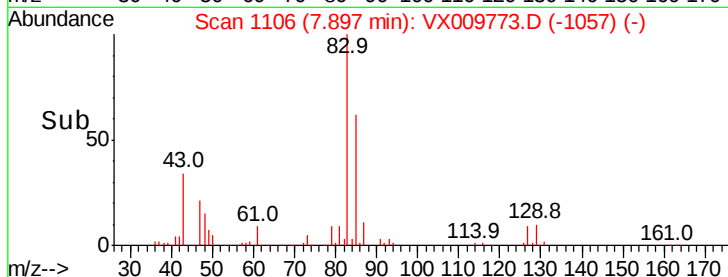
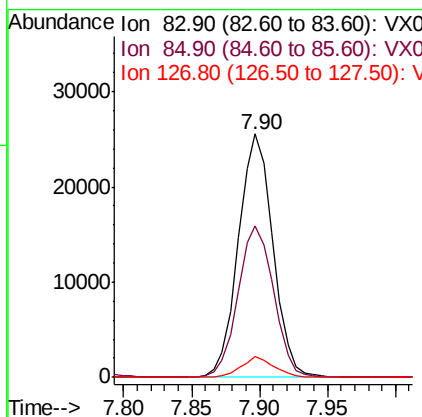
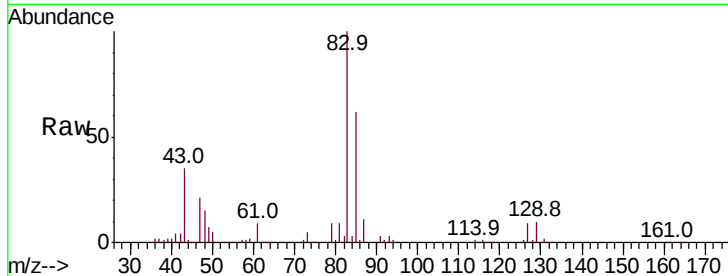
ClientSampleId :

VX0521WBSD04

Tot Ion:	83	Resp:	45315
Ion Ratio	Lower	Upper	
83	100		
85	62.2	52.4	78.6
127	8.6	6.6	10.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.983 ug/l

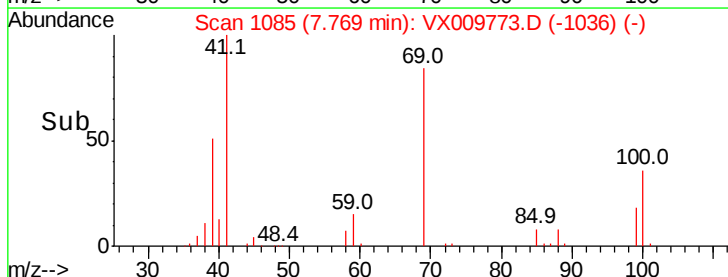
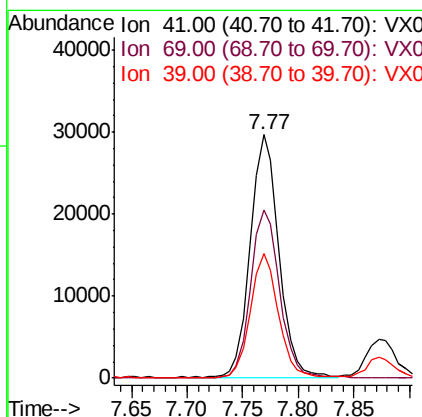
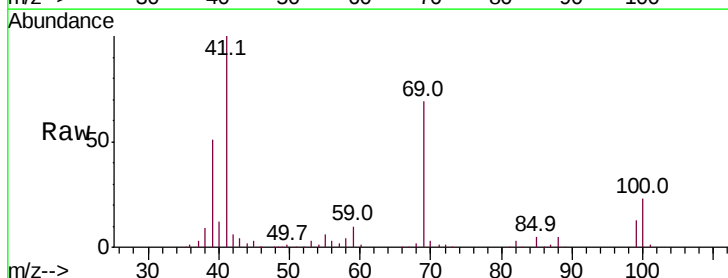
RT: 7.77 min Scan# 1085

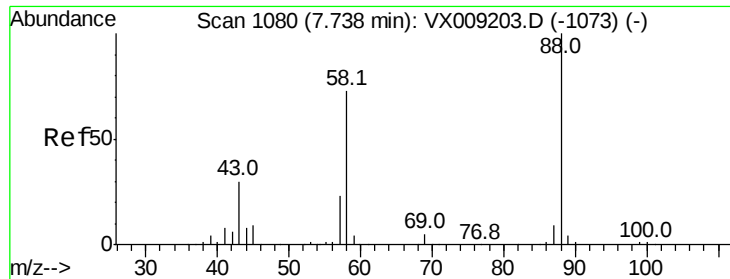
Delta R.T. 0.00 min

Lab File: VX009773.D

Acq: 22 May 2019 02:17

Tgt Ion:	41	Resp:	53179
Ion Ratio	Lower	Upper	
41	100		
69	70.8	59.1	88.7
39	49.6	40.4	60.6





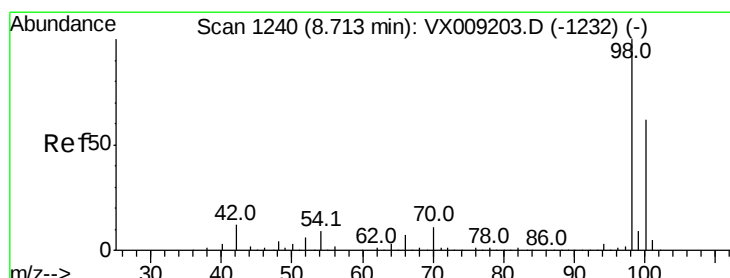
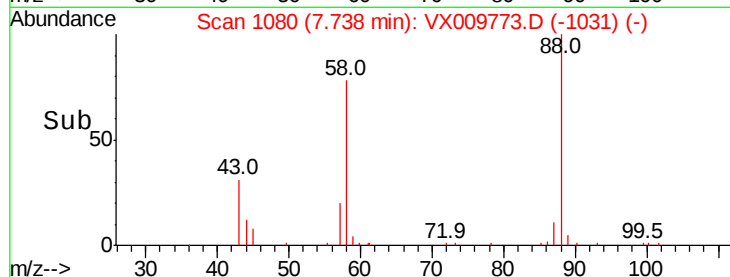
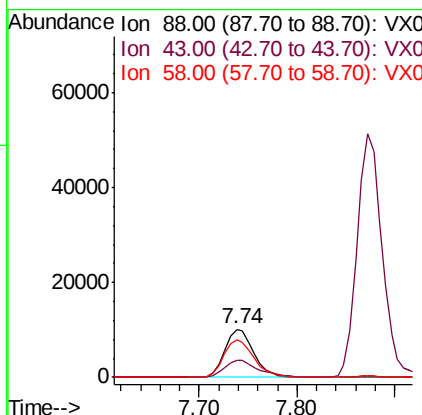
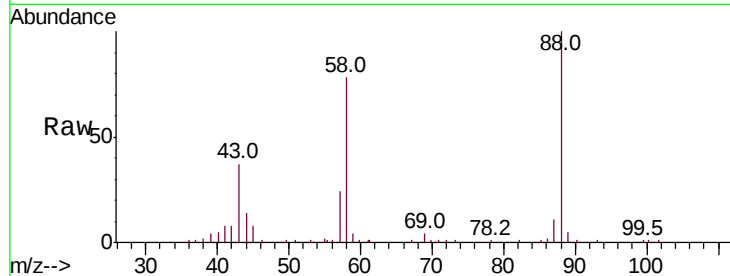
#49
 1,4-Dioxane
 Concen: 385.264 ug/l
 RT: 7.74 min Scan# 1080
 Delta R.T. 0.00 min
 Lab File: VX009773.D
 Acq: 22 May 2019 02:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0521WBSD04

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.8	28.6	42.8
58	81.7	61.7	92.5

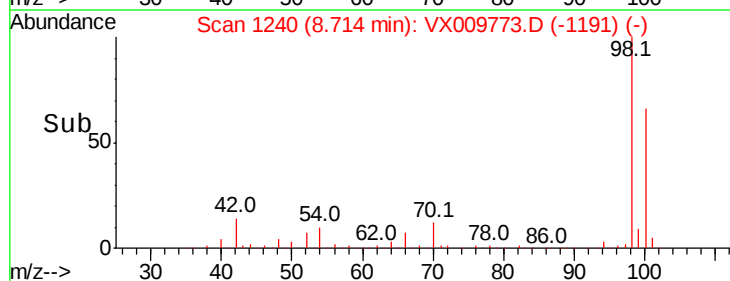
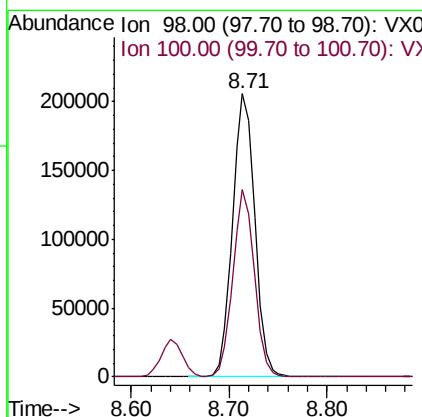
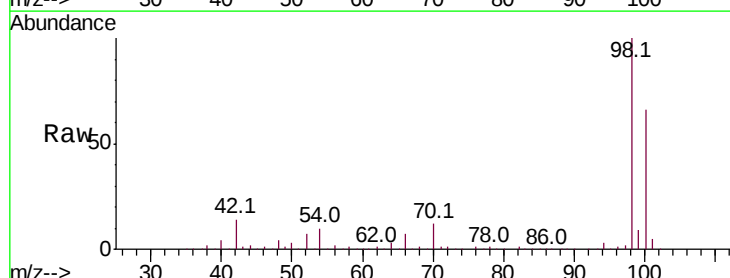
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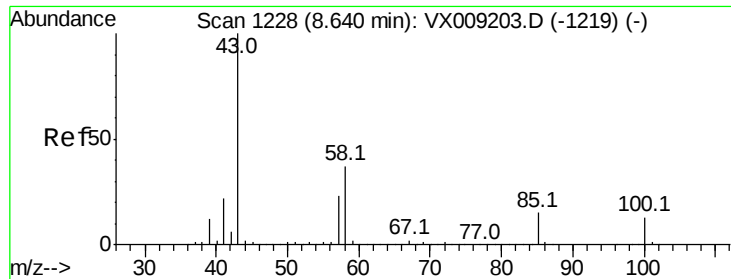
MMDadoda
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#50
 Toluene-d8
 Concen: 49.622 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX009773.D
 Acq: 22 May 2019 02:17

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.5	51.2	76.8





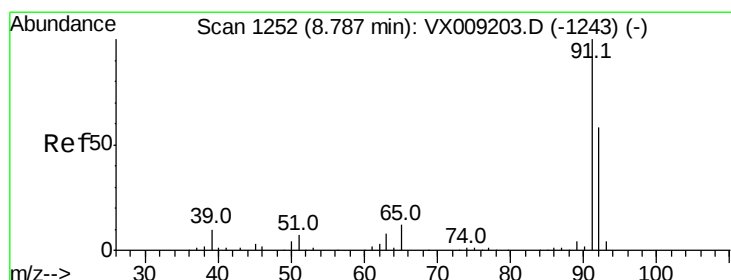
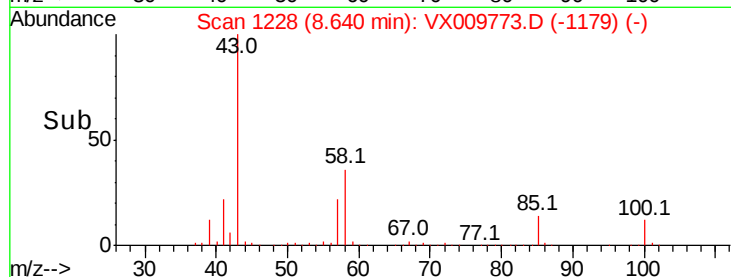
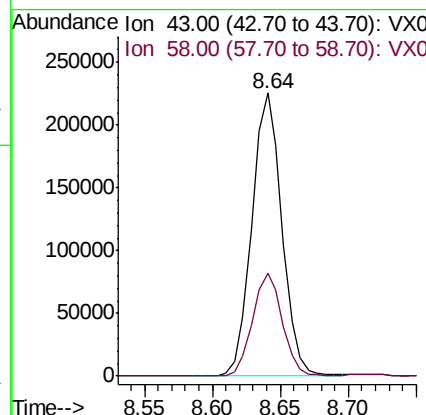
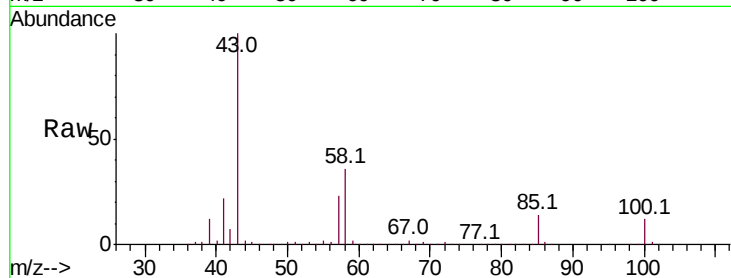
#51
4-Methyl-2-Pentanone
Concen: 99.325 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX009773.D
Acq: 22 May 2019 02:17

Instrument :
MSVOA_X
ClientSampleID :
VX0521WBSD04

Tot Ion	43	58	Ratio	100	36.2	Resp	Lower	Upper
438231								

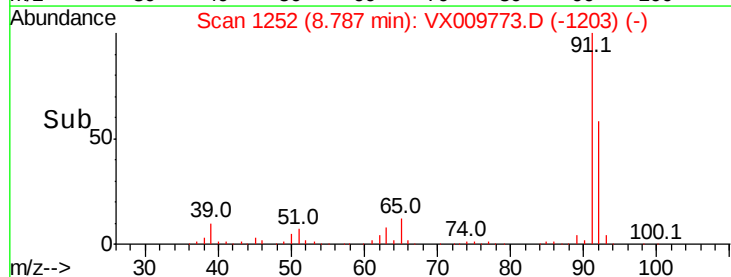
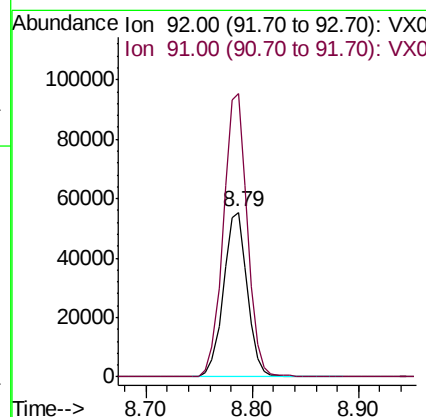
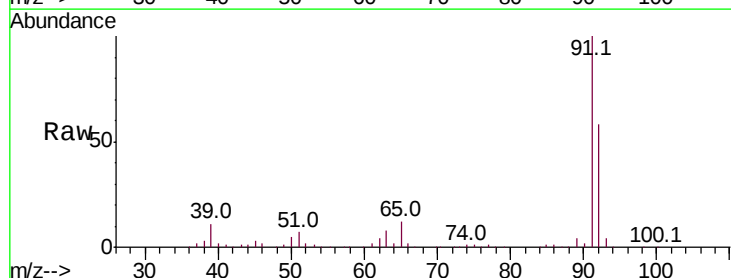
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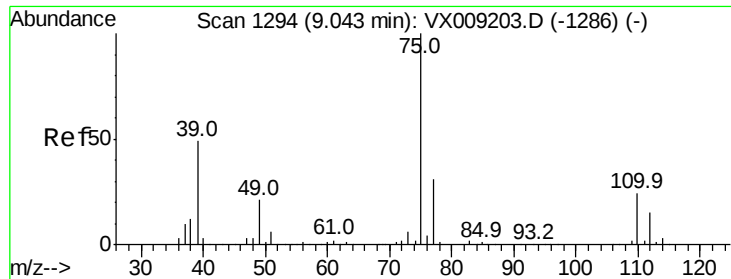
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#52
Toluene
Concen: 19.023 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VX009773.D
Acq: 22 May 2019 02:17

Tgt Ion	92	91	Ratio	100	173.2	Resp	Lower	Upper
86133								





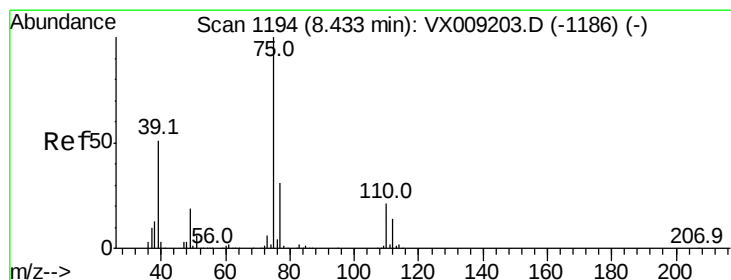
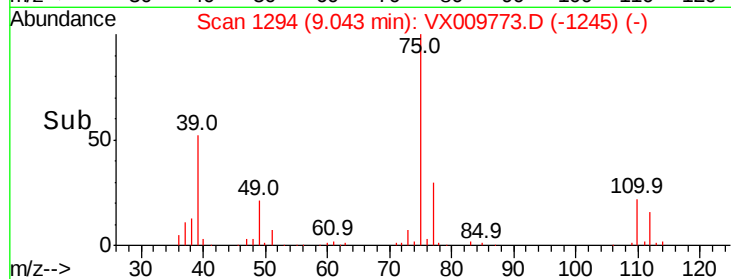
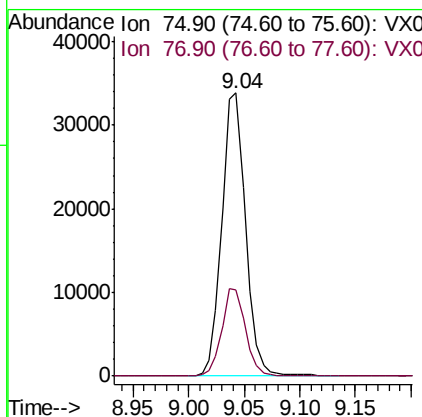
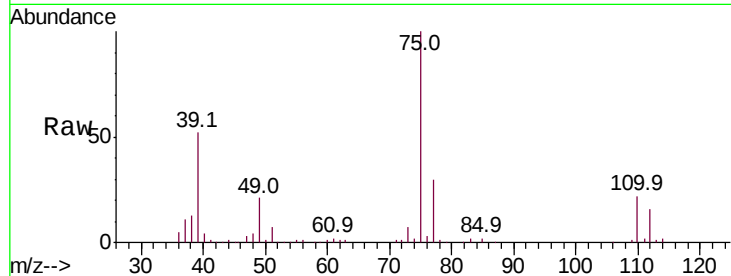
#53
 t-1,3-Dichloropropene
 Concen: 18.159 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. 0.00 min
 Lab File: VX009773.D
 Acq: 22 May 2019 02:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0521WBSD04

Tot Ion: 75 Resp: 50089
 Ion Ratio Lower Upper
 75 100
 77 30.3 25.0 37.6

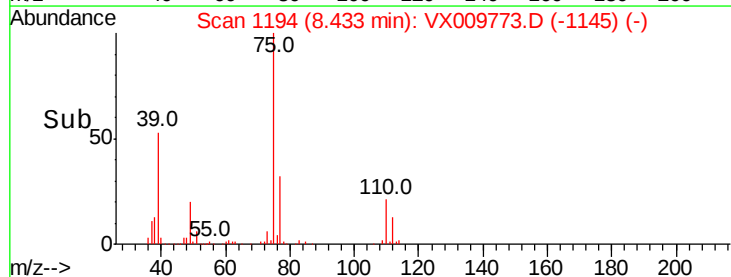
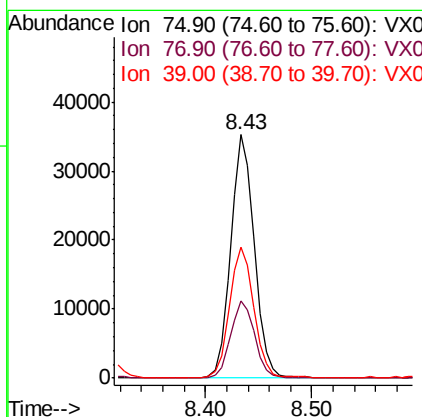
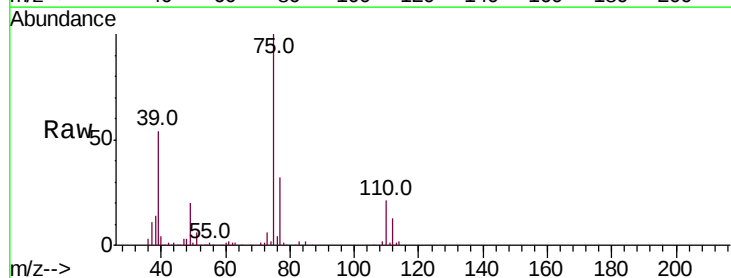
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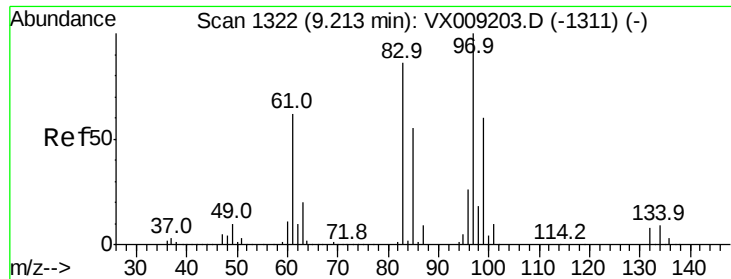
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#54
 cis-1,3-Dichloropropene
 Concen: 17.971 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX009773.D
 Acq: 22 May 2019 02:17

Tgt Ion: 75 Resp: 54867
 Ion Ratio Lower Upper
 75 100
 77 31.7 24.6 36.8
 39 53.5 40.6 60.8





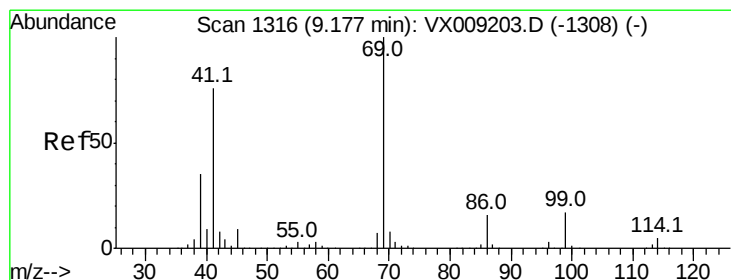
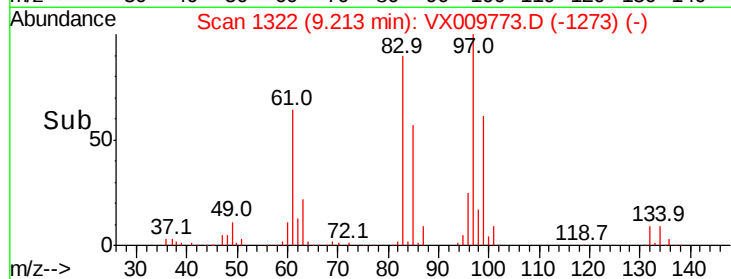
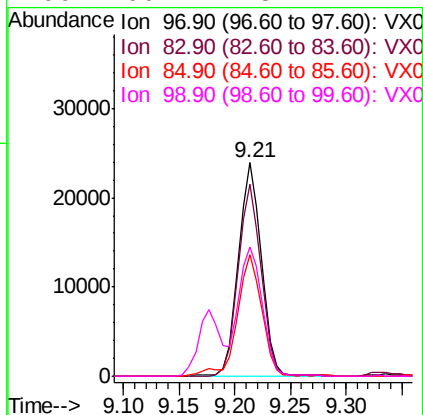
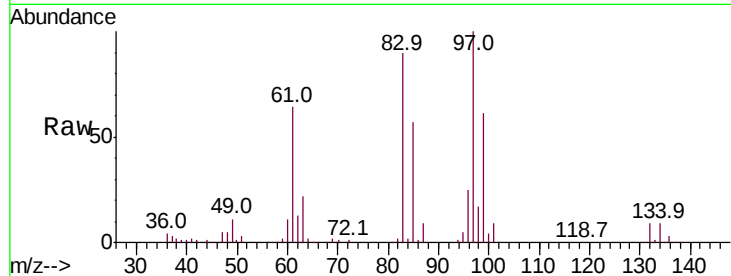
#55
 1,1,2-Trichloroethane
 Concen: 18.556 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX009773.D
 Acq: 22 May 2019 02:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0521WBSD04

Tot Ion:	97	Resp:	34277
Ion	Ratio	Lower	Upper
97	100		
83	90.1	68.9	103.3
85	57.1	43.8	65.6
99	60.7	48.2	72.2

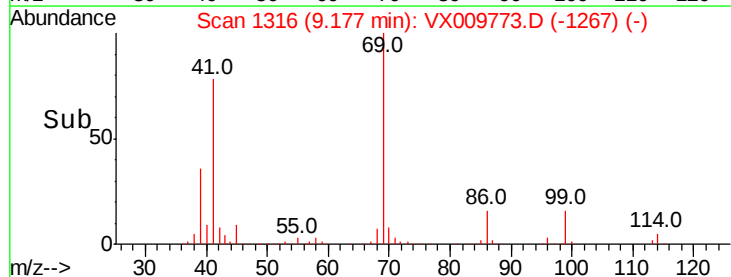
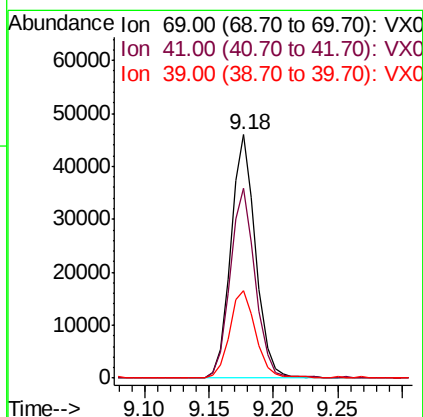
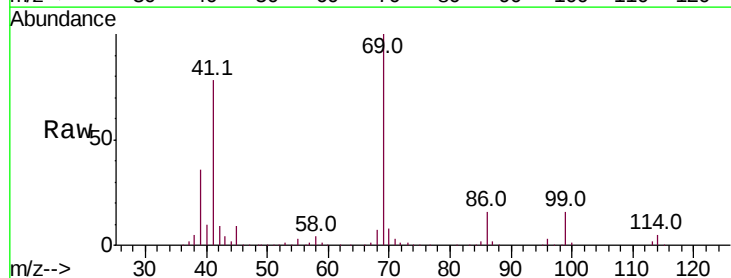
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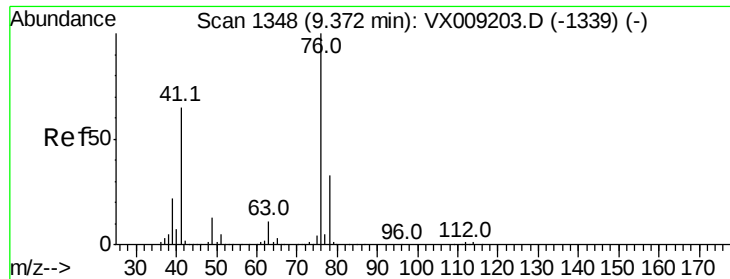
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#56
 Ethyl methacrylate
 Concen: 18.767 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX009773.D
 Acq: 22 May 2019 02:17

Tgt Ion:	69	Resp:	61881
Ion	Ratio	Lower	Upper
69	100		
41	78.4	60.6	90.8
39	37.0	28.2	42.4





#57

1,3-Dichloropropane

Concen: 18.897 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX009773.D

Acq: 22 May 2019 02:17

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBSD04

Tot Ion: 76 Resp: 61429

Ion Ratio Lower Upper

76 100

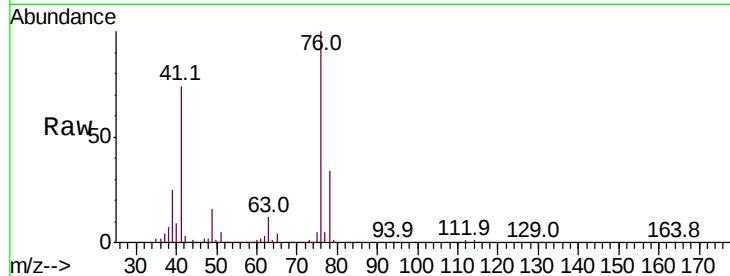
78 32.4 25.5 38.3

Manual Integrations

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5/22/2019 11:39:50 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

40000

30000

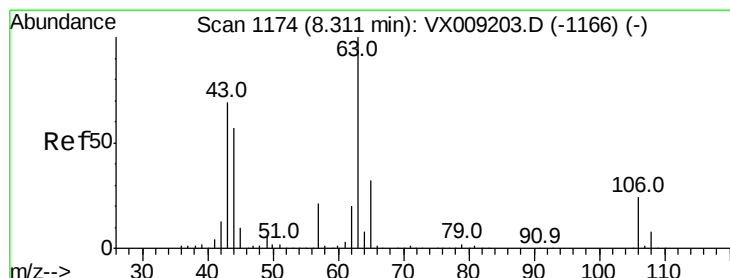
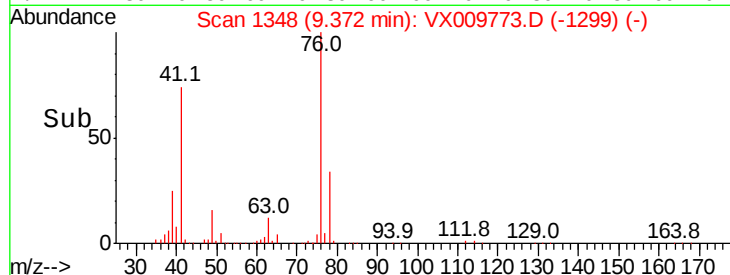
20000

10000

0

9.30 9.35 9.40 9.45

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 92.273 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX009773.D

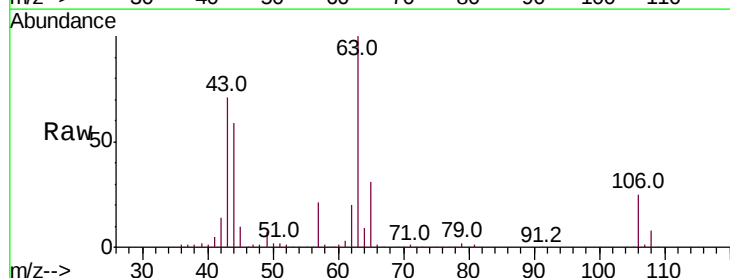
Acq: 22 May 2019 02:17

Tgt Ion: 63 Resp: 161410

Ion Ratio Lower Upper

63 100

106 24.6 19.7 29.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

120000

100000

80000

60000

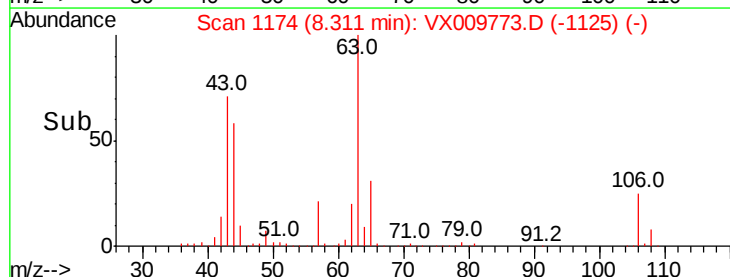
40000

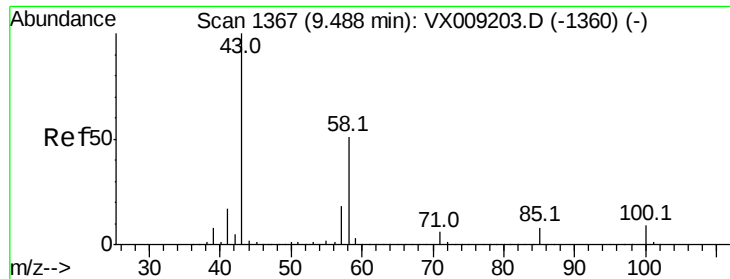
20000

0

8.20 8.25 8.30 8.35 8.40

Time-->





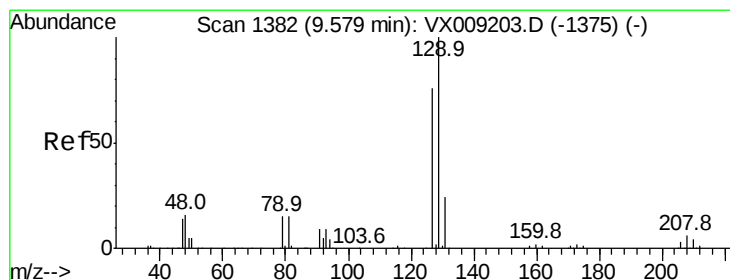
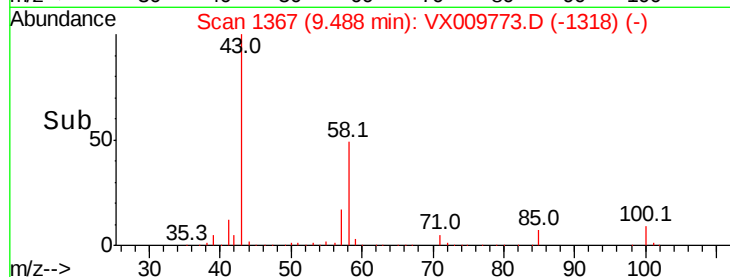
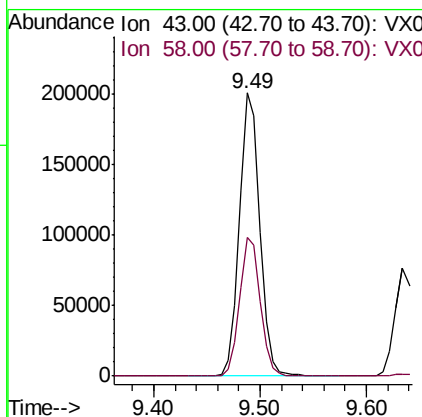
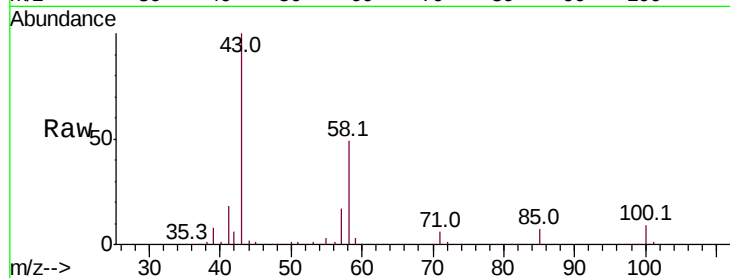
#59
2-Hexanone
Concen: 98.600 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX009773.D
Acq: 22 May 2019 02:17

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBSD04

Tot Ion: 43 Resp: 271499
Ion Ratio Lower Upper
43 100
58 50.1 25.9 77.7

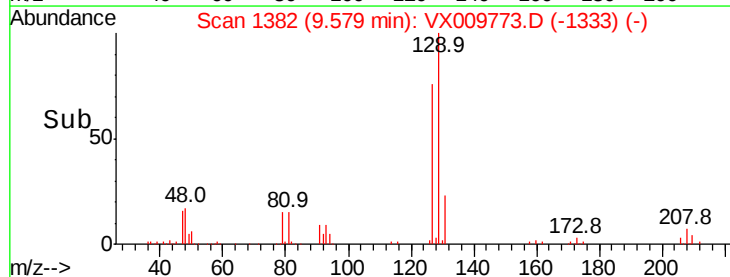
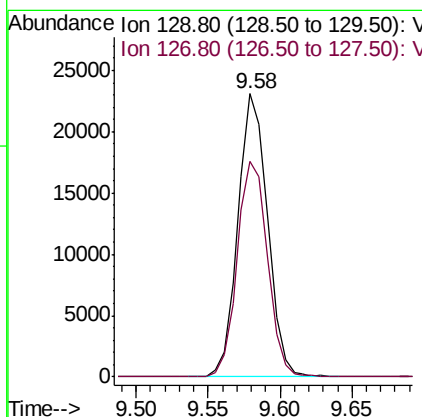
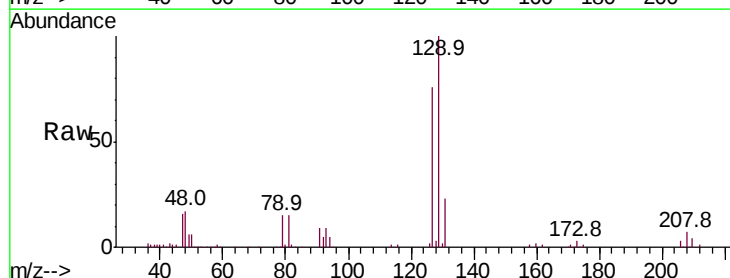
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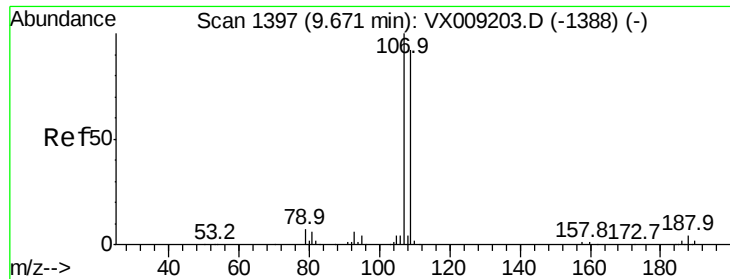
MMDadoda
5/22/2019 11:39:50 AM



#60
Dibromochloromethane
Concen: 18.318 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX009773.D
Acq: 22 May 2019 02:17

Tgt Ion: 129 Resp: 33048
Ion Ratio Lower Upper
129 100
127 77.9 38.4 115.1





#61

1,2-Dibromoethane

Concen: 18.679 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX009773.D

Acq: 22 May 2019 02:17

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBSD04

Tot Ion:107 Resp: 34829

Ion Ratio Lower Upper

107 100

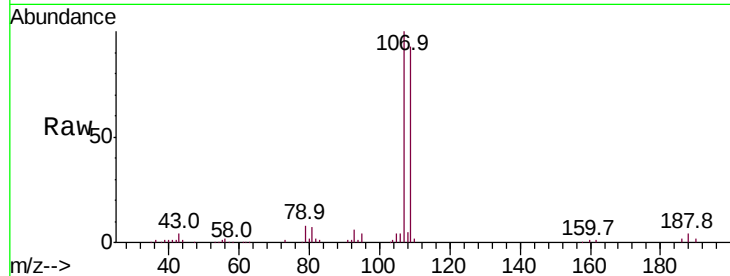
109 94.1 75.2 112.8

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

25000

20000

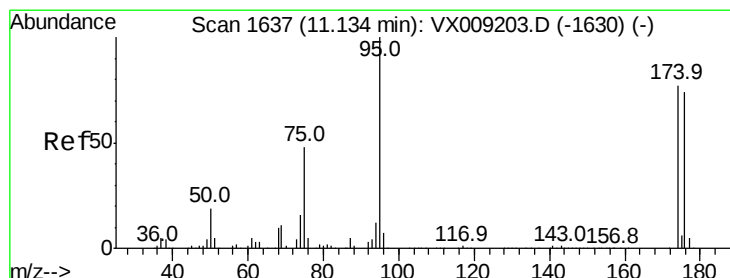
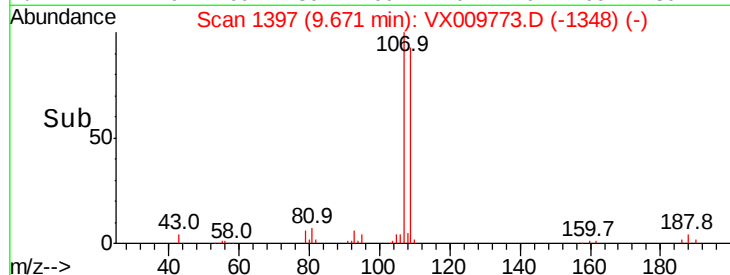
15000

10000

5000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 48.154 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009773.D

Acq: 22 May 2019 02:17

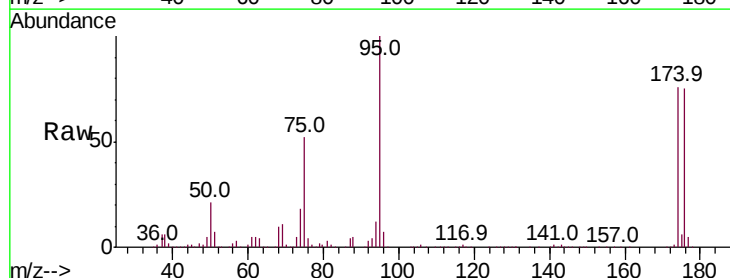
Tgt Ion: 95 Resp: 115010

Ion Ratio Lower Upper

95 100

174 81.4 0.0 161.6

176 79.3 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

120000

100000

80000

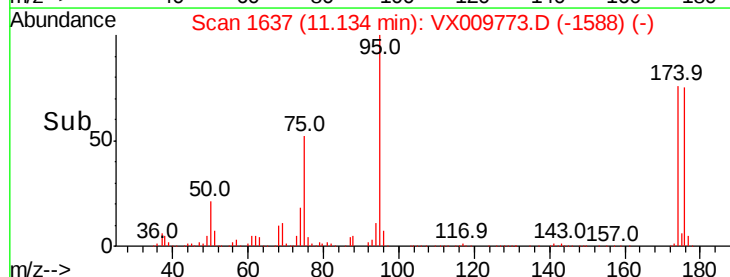
60000

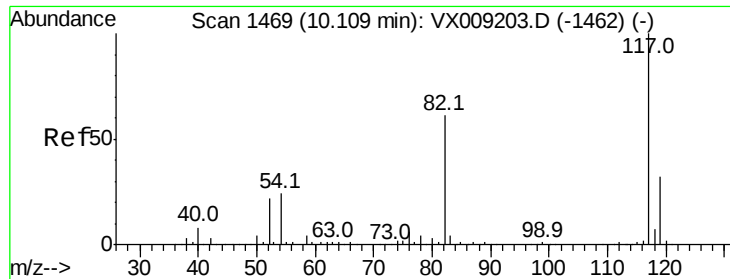
40000

20000

0

Time-->





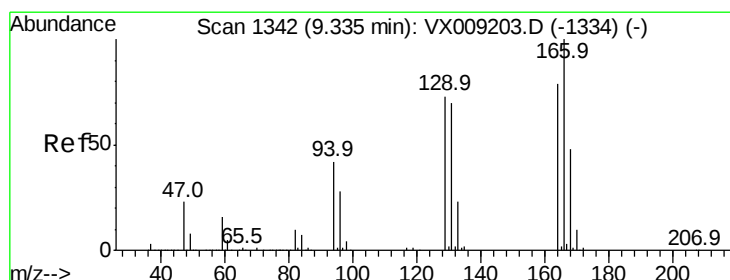
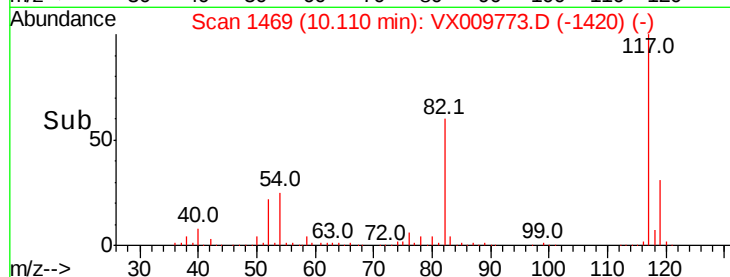
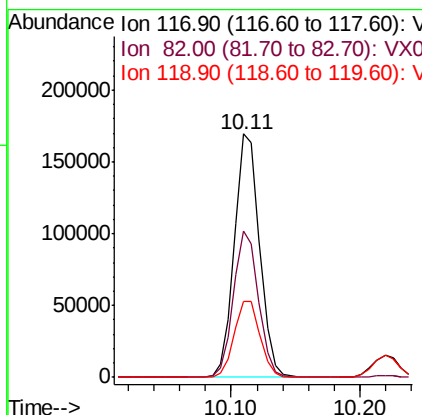
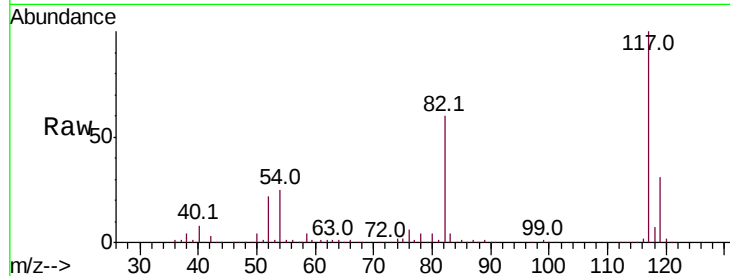
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009773.D
Acq: 22 May 2019 02:17

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBSD04

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.0	48.8	73.2
119	31.1	25.8	38.6

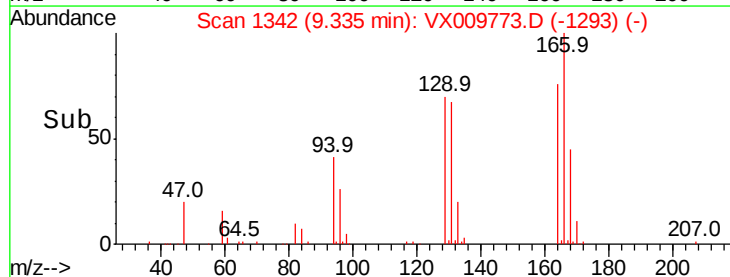
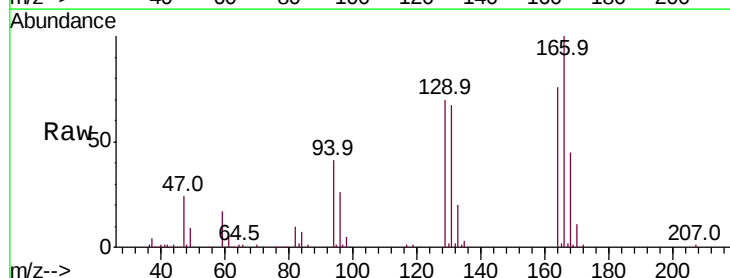
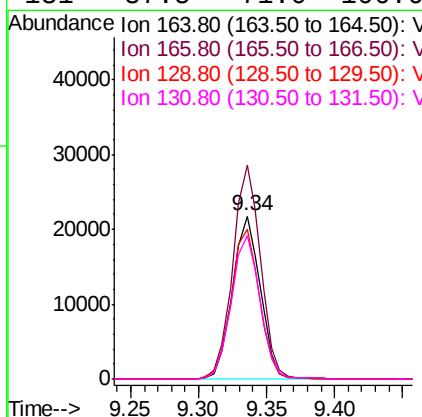
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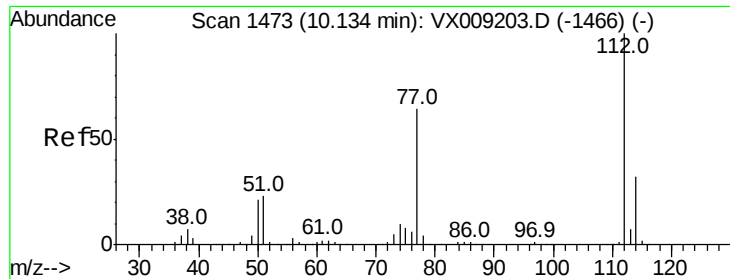
MMDadoda
5/22/2019 11:39:50 AM



#64
Tetrachloroethene
Concen: 19.553 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009773.D
Acq: 22 May 2019 02:17

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.0	101.2	151.8
129	92.0	74.3	111.5
131	87.5	71.0	106.6





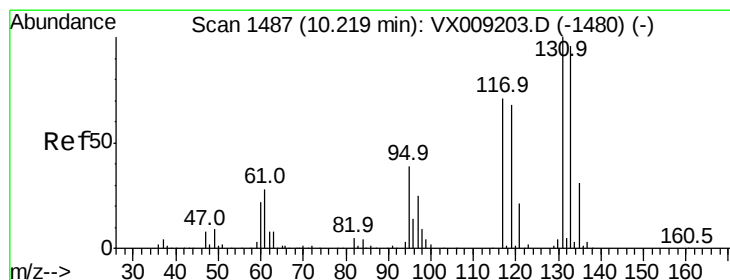
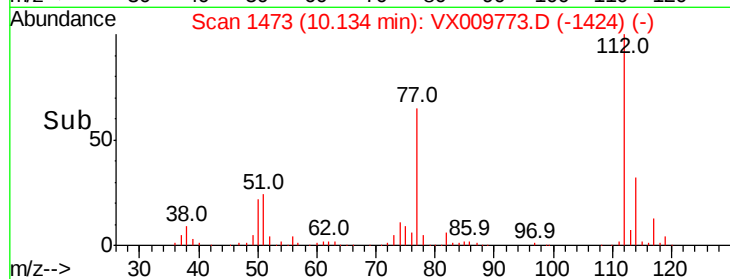
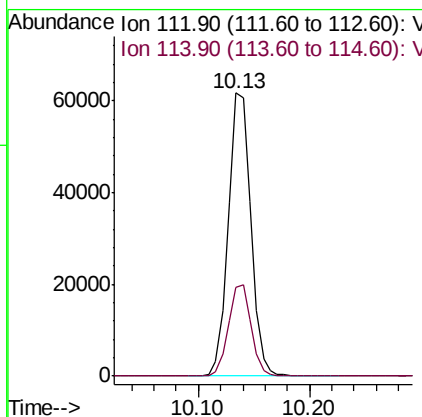
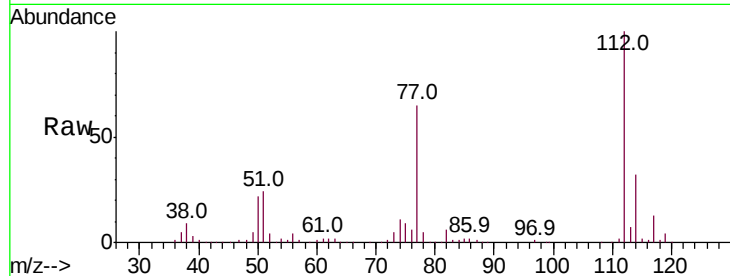
#65
Chlorobenzene
Concen: 18.703 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX009773.D
Acq: 22 May 2019 02:17

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBSD04

Tot Ion:112 Resp: 86743
Ion Ratio Lower Upper
112 100
114 31.6 25.5 38.3

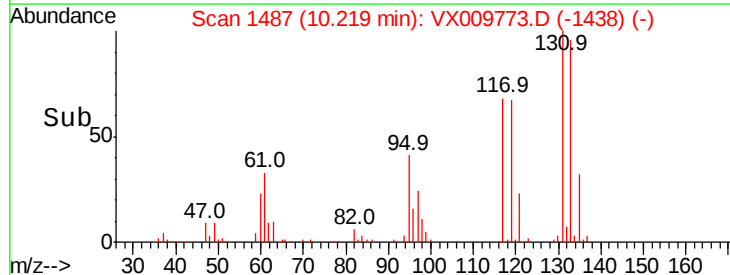
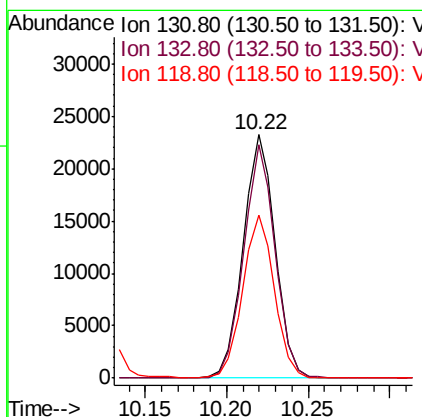
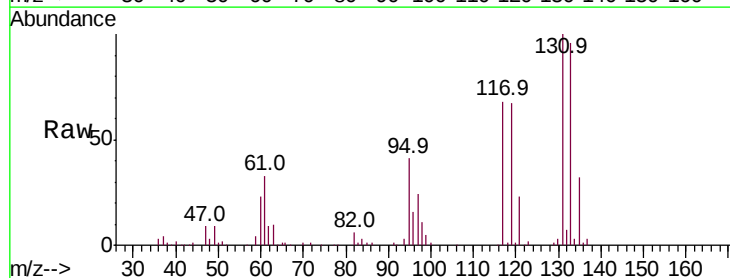
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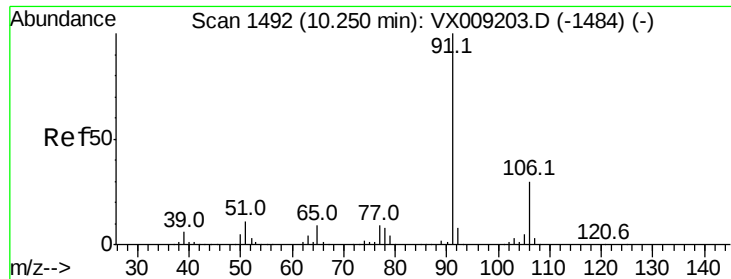
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.904 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX009773.D
Acq: 22 May 2019 02:17

Tgt Ion:131 Resp: 31785
Ion Ratio Lower Upper
131 100
133 93.7 47.7 143.1
119 65.9 33.5 100.4





#67

Ethyl Benzene

Concen: 19.112 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX009773.D

Acq: 22 May 2019 02:17

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBSD04

Tot Ion: 91 Resp: 163129

Ion Ratio Lower Upper

91 100

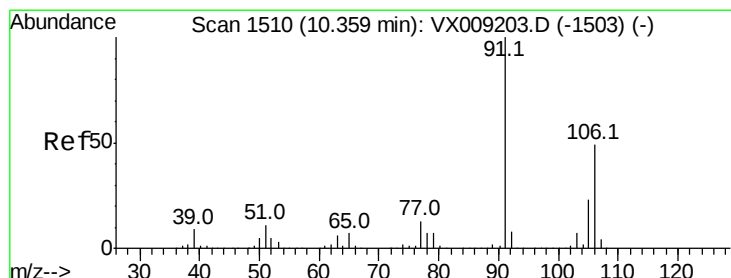
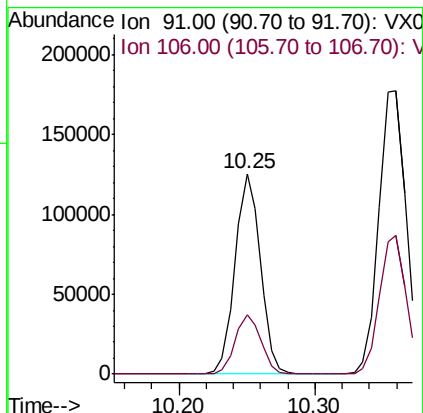
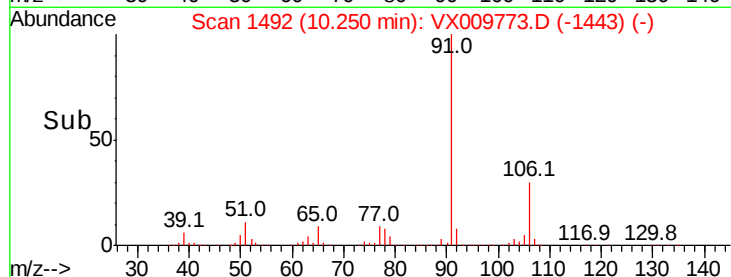
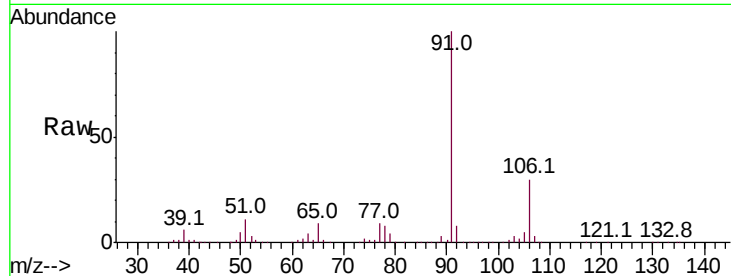
106 29.8 24.0 36.0

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#68

m/p-Xylenes

Concen: 38.190 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX009773.D

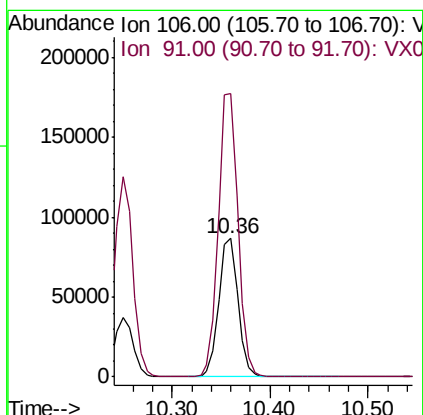
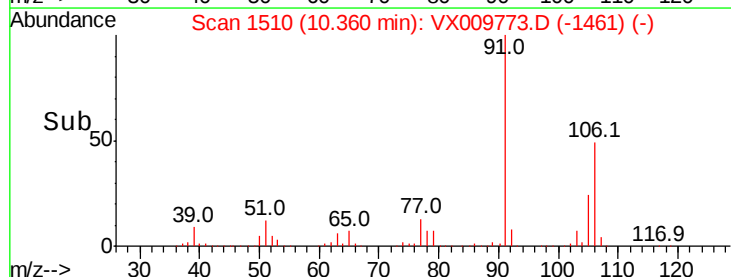
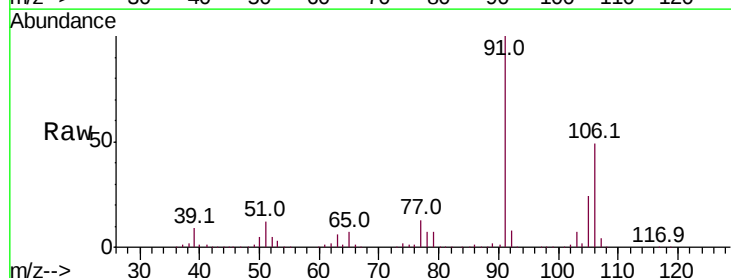
Acq: 22 May 2019 02:17

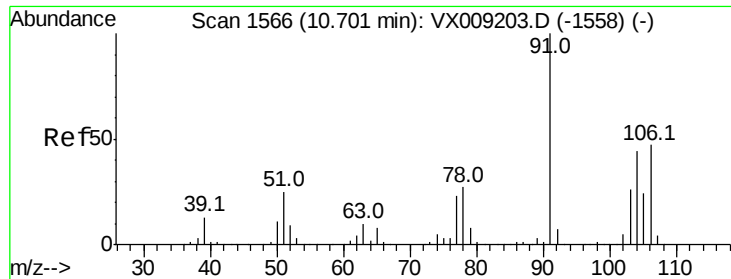
Tgt Ion: 106 Resp: 119118

Ion Ratio Lower Upper

106 100

91 208.8 164.0 246.0





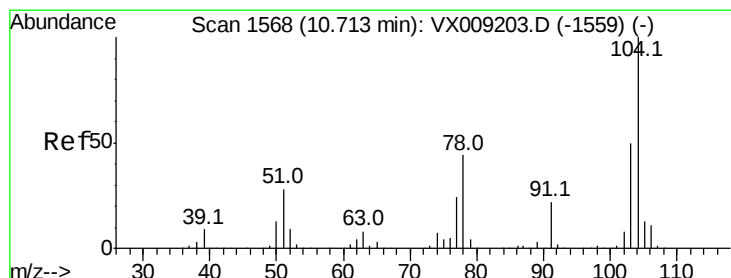
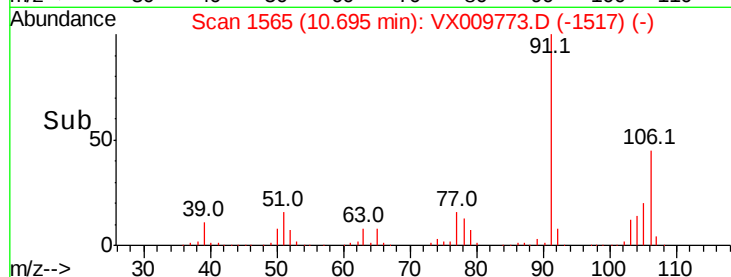
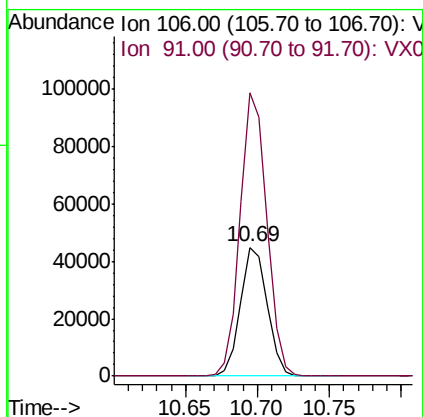
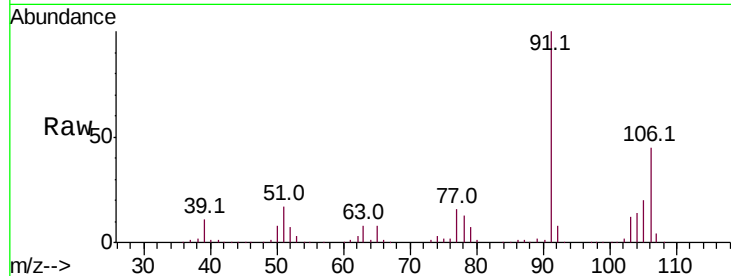
#69
o-Xylene
Concen: 18.857 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009773.D
Acq: 22 May 2019 02:17

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBSD04

Tot Ion:106 Resp: 58031
Ion Ratio Lower Upper
106 100
91 220.1 109.5 328.4

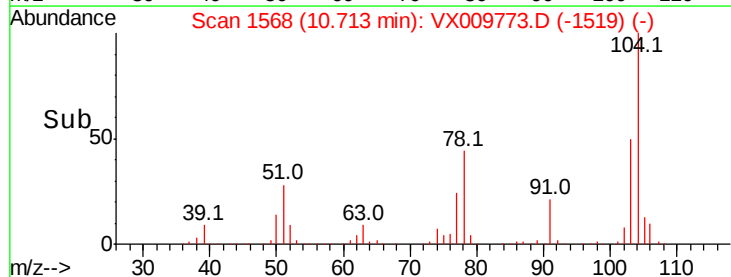
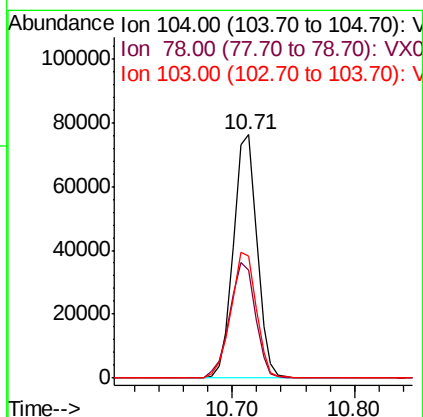
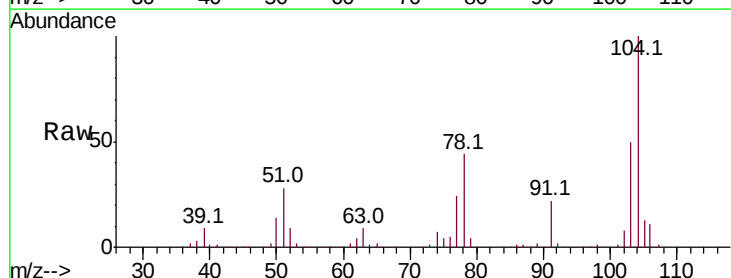
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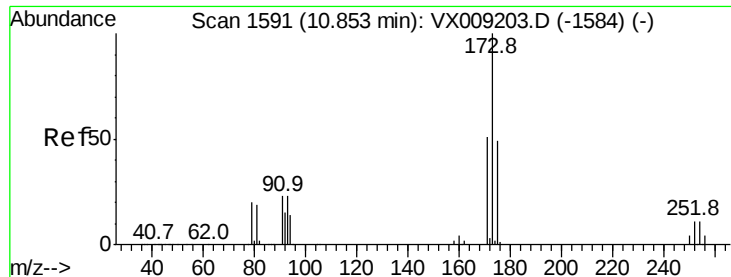
MMDadoda
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#70
Styrene
Concen: 18.991 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX009773.D
Acq: 22 May 2019 02:17

Tgt Ion:104 Resp: 101579
Ion Ratio Lower Upper
104 100
78 52.0 41.0 61.4
103 55.8 43.8 65.6





#71

Bromoform

Concen: 17.859 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX009773.D

Acq: 22 May 2019 02:17

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBSD04

Tot Ion:173 Resp: 24403

Ion Ratio Lower Upper

173 100

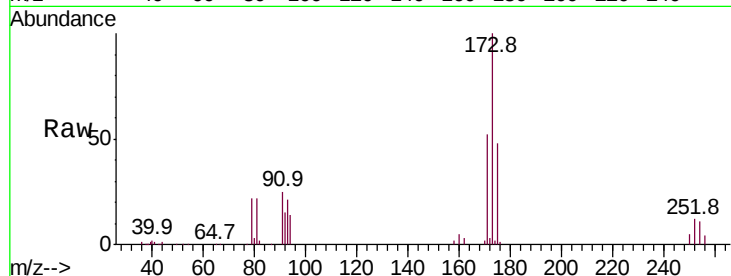
175 49.5 24.5 73.5

254 0.1 0.1 0.1#

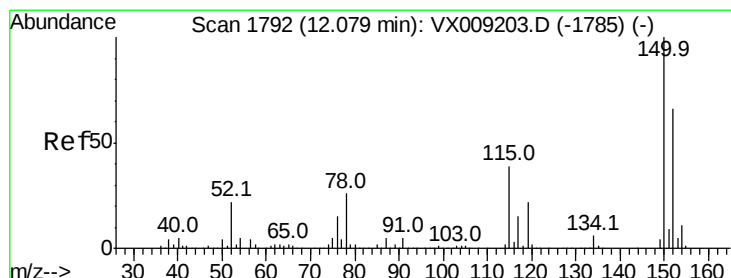
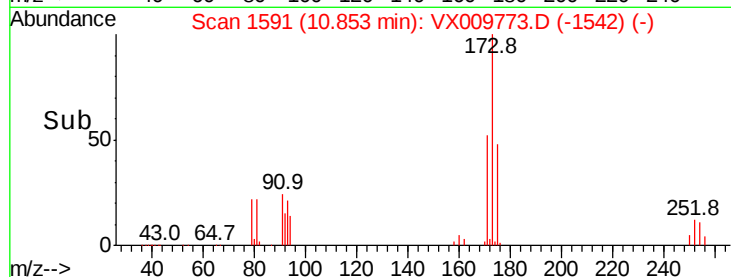
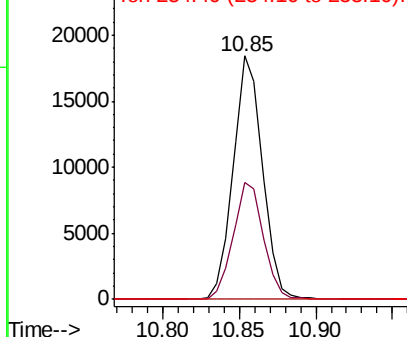
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009773.D

Acq: 22 May 2019 02:17

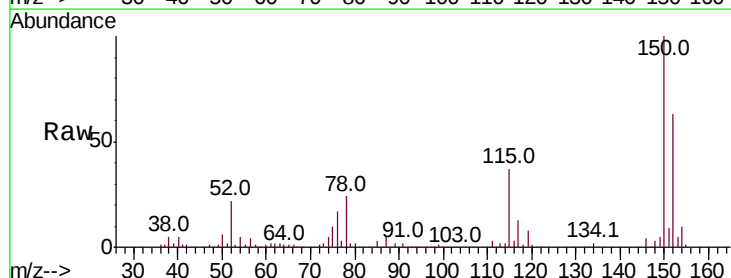
Tgt Ion:152 Resp: 112426

Ion Ratio Lower Upper

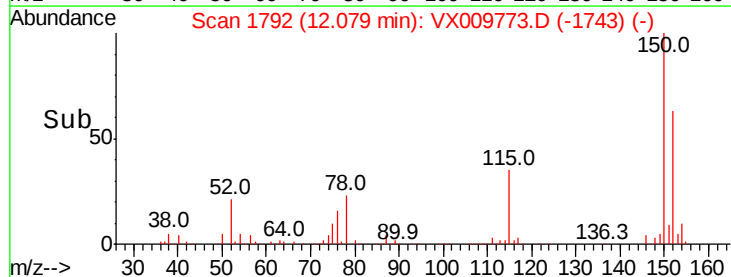
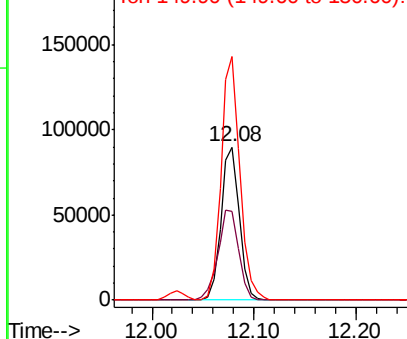
152 100

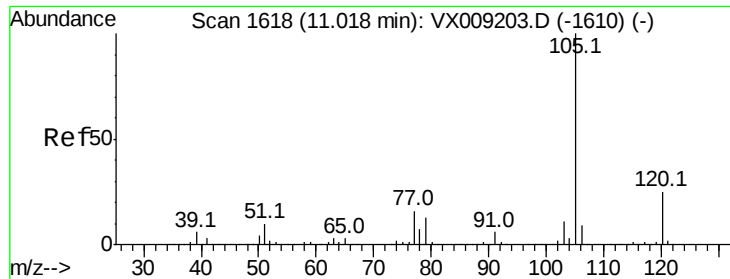
115 67.0 41.2 123.6

150 163.0 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.079 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX009773.D

Acq: 22 May 2019 02:17

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBSD04

Tot Ion:105 Resp: 155978

Ion Ratio Lower Upper

105 100

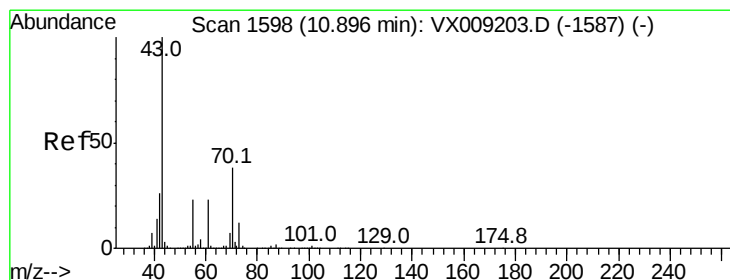
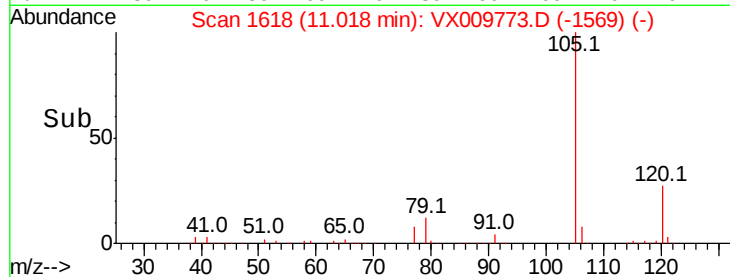
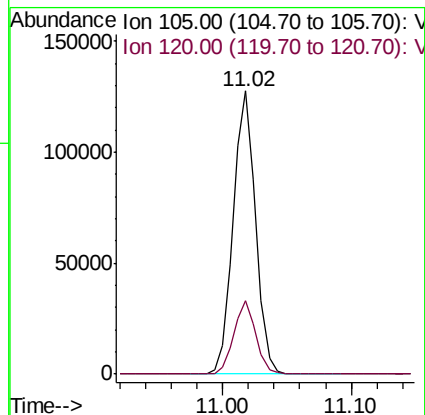
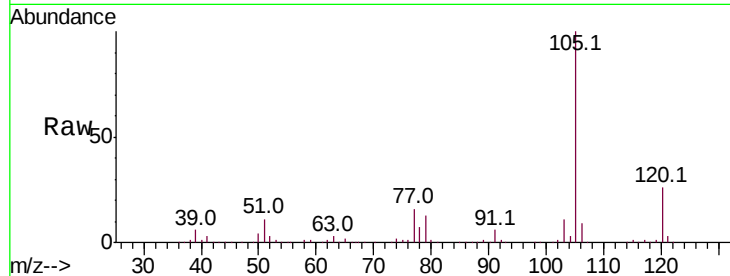
120 25.3 12.8 38.3

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#74

N-ethyl acetate

Concen: 19.682 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX009773.D

Acq: 22 May 2019 02:17

Tgt Ion: 43 Resp: 93814

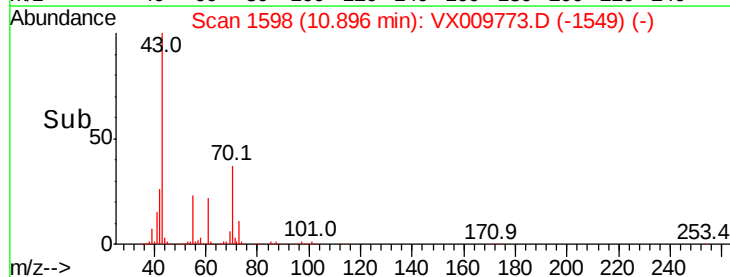
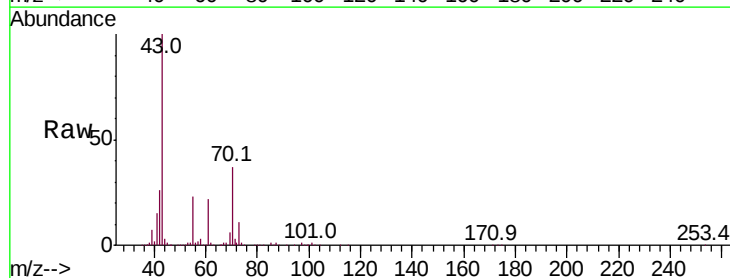
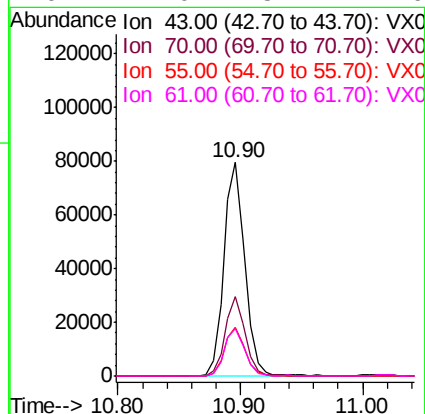
Ion Ratio Lower Upper

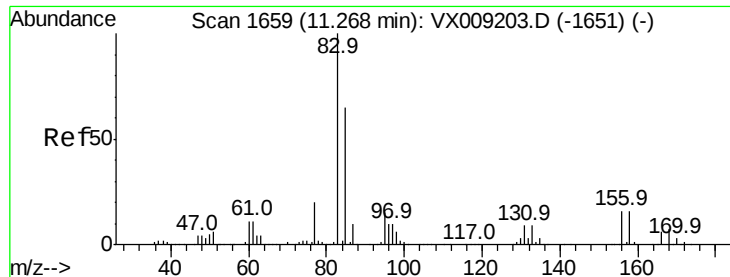
43 100

70 35.8 30.0 45.0

55 22.8 17.9 26.9

61 22.0 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 18.876 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX009773.D

Acq: 22 May 2019 02:17

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBSD04

Tot Ion: 83 Resp: 57529

Ion Ratio Lower Upper

83 100

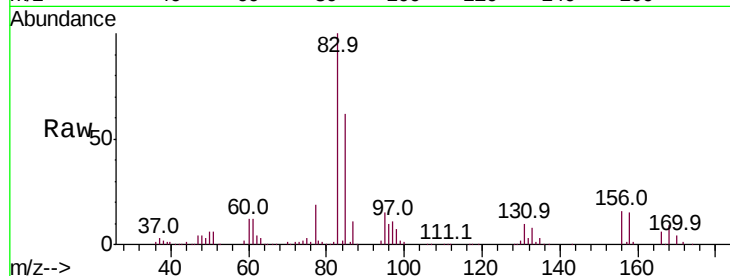
131 9.8 4.6 13.8

85 63.7 32.0 96.2

Manual Integrations
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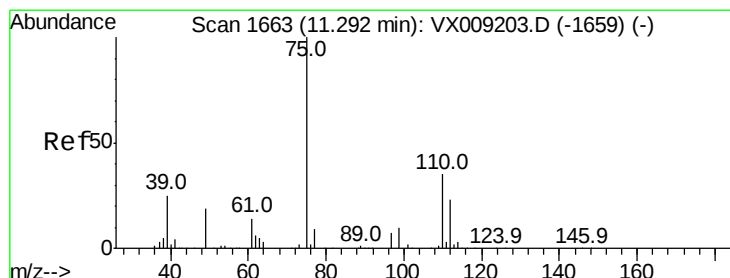
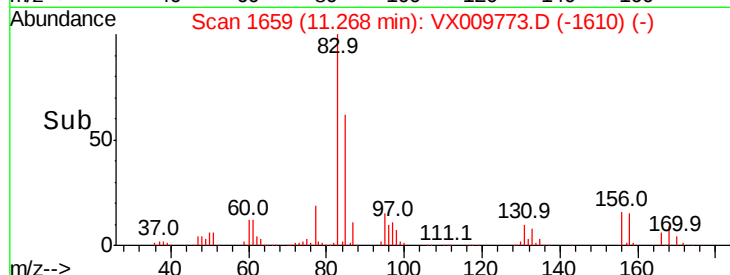
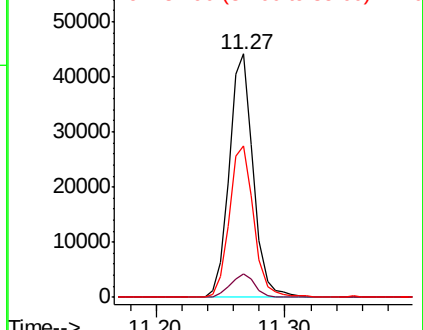
5/22/2019 11:39:50 AM



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 19.022 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX009773.D

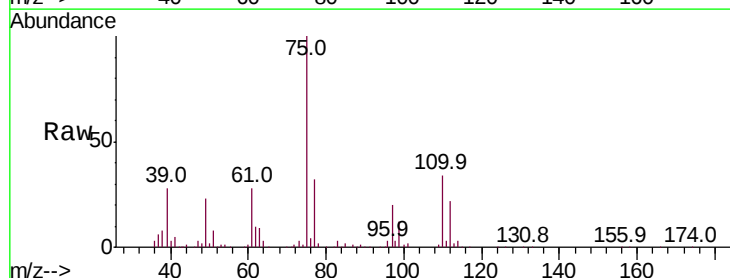
Acq: 22 May 2019 02:17

Tgt Ion: 75 Resp: 49608

Ion Ratio Lower Upper

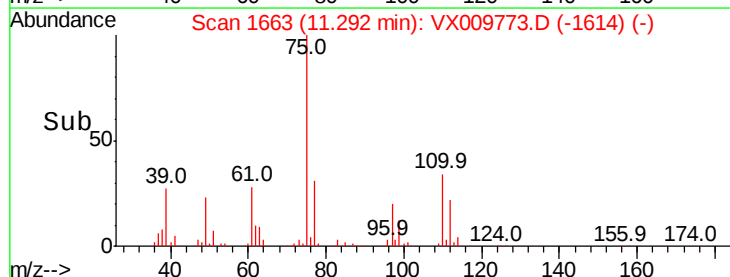
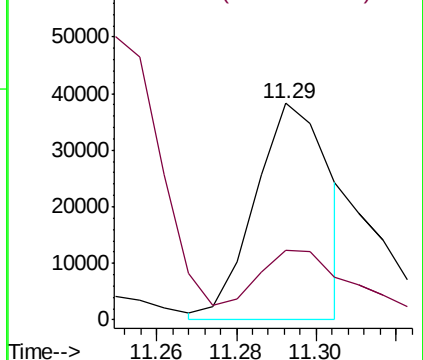
75 100

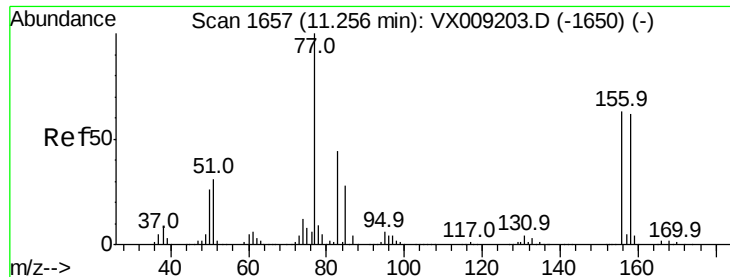
77 42.6 22.1 66.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 18.811 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX009773.D

Acq: 22 May 2019 02:17

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBSD04

Tot Ion:156 Resp: 38171

Ion Ratio Lower Upper

156 100

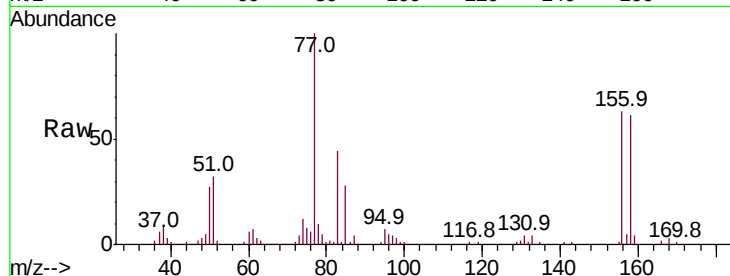
77 171.6 84.8 254.3

158 96.7 49.1 147.3

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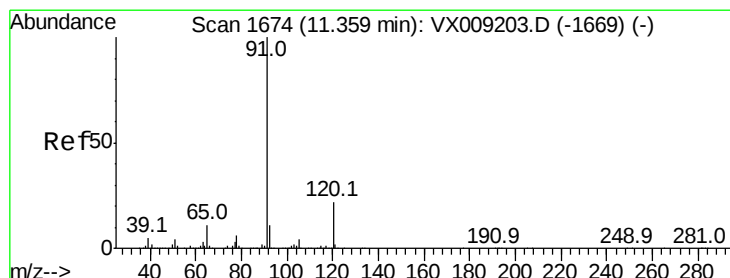
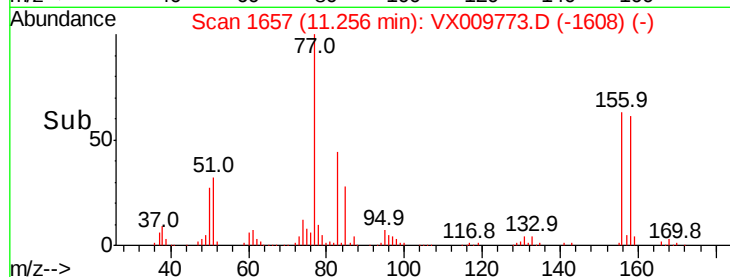
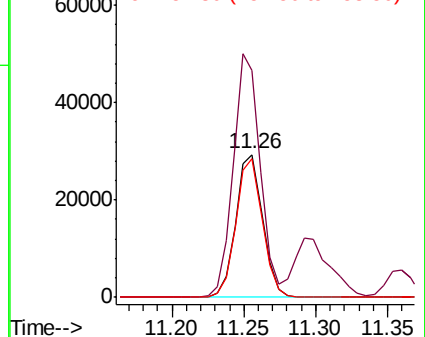
5/22/2019 11:39:50 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.940 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX009773.D

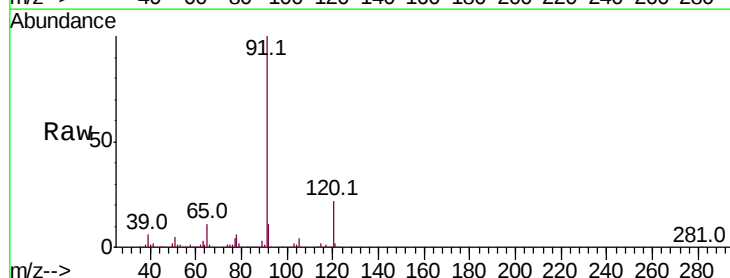
Acq: 22 May 2019 02:17

Tgt Ion: 91 Resp: 176839

Ion Ratio Lower Upper

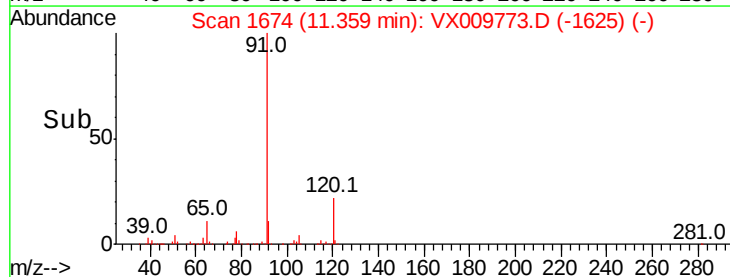
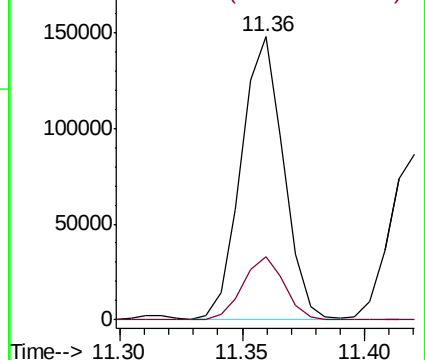
91 100

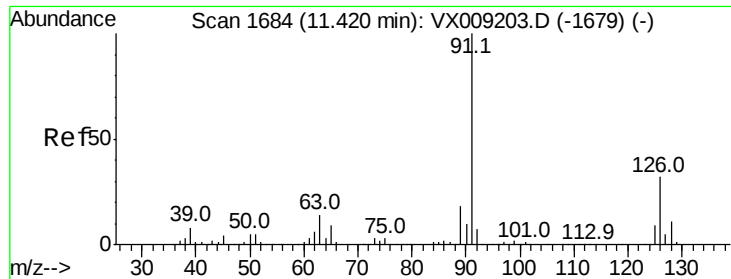
120 22.1 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.493 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX009773.D

Acq: 22 May 2019 02:17

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBSD04

Tot Ion: 91 Resp: 106526

Ion Ratio Lower Upper

91 100

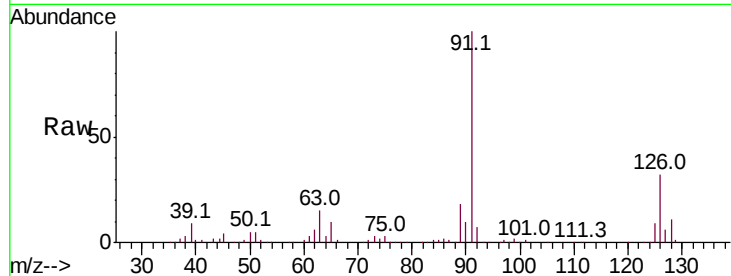
126 32.4 16.3 48.9

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

150000

100000

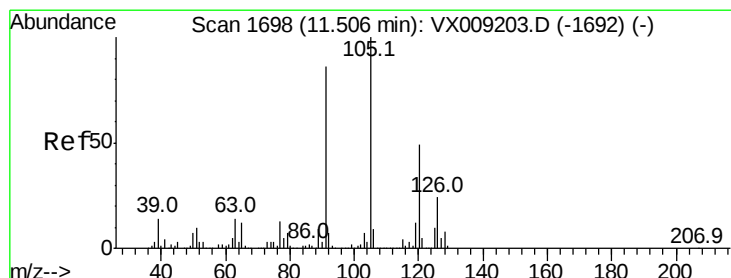
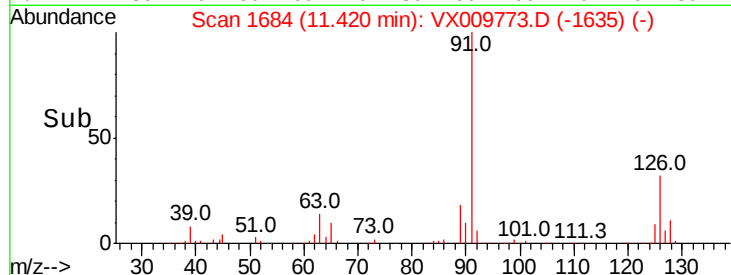
50000

0

11.42

11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.044 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009773.D

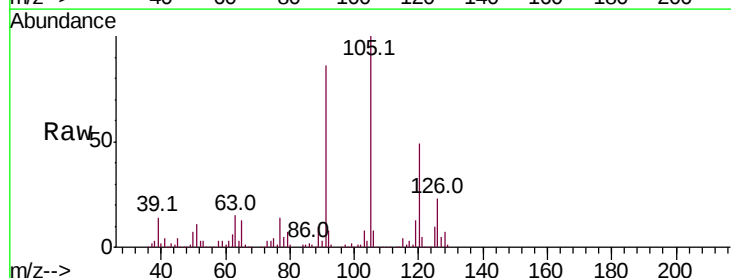
Acq: 22 May 2019 02:17

Tgt Ion:105 Resp: 131092

Ion Ratio Lower Upper

105 100

120 48.4 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

120000

100000

80000

60000

40000

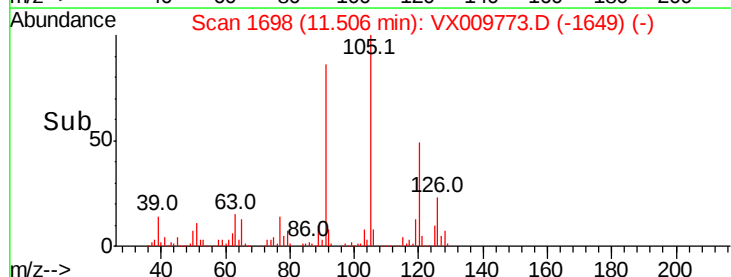
20000

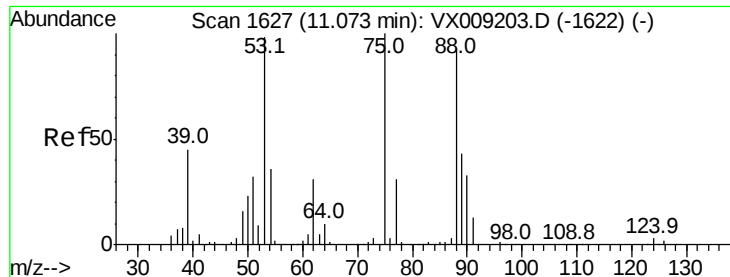
0

11.51

11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 15.782 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX009773.D

Acq: 22 May 2019 02:17

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBSD04

Tot Ion: 75 Resp: 16086

Ion Ratio Lower Upper

75 100

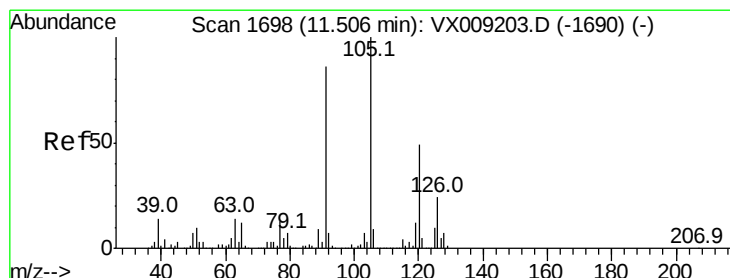
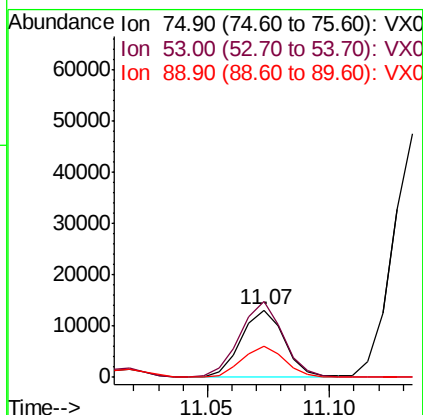
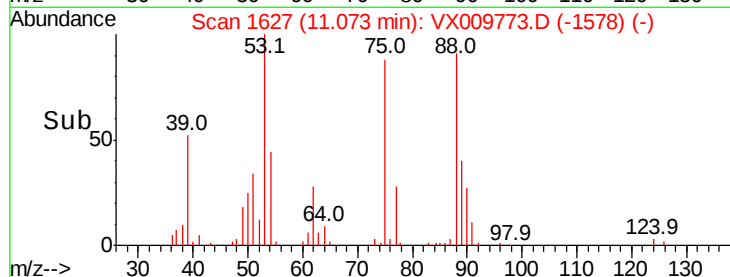
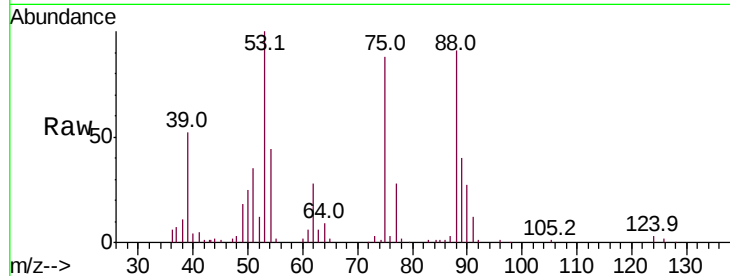
53 113.3 79.0 118.6

89 46.5 34.7 52.1

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#82

4-Chlorotoluene

Concen: 18.763 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.01 min

Lab File: VX009773.D

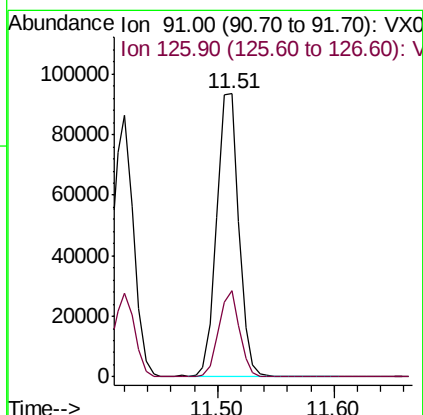
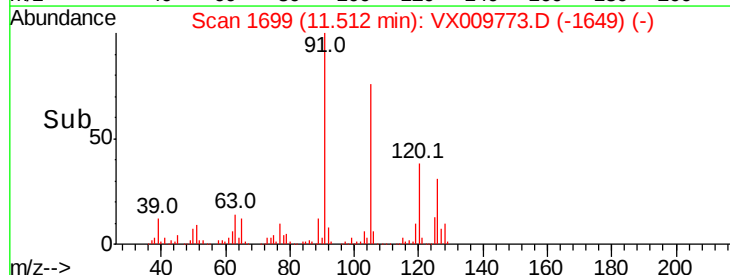
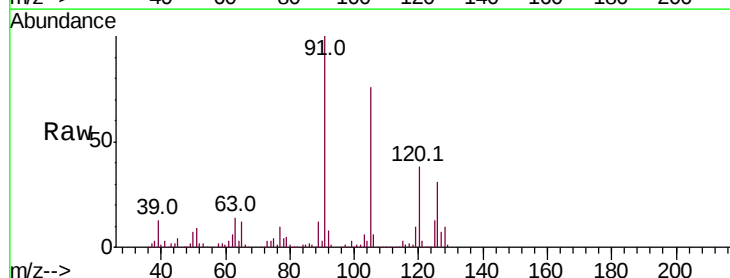
Acq: 22 May 2019 02:17

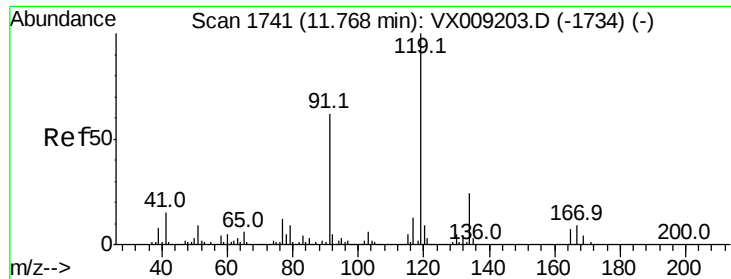
Tgt Ion: 91 Resp: 122099

Ion Ratio Lower Upper

91 100

126 28.5 14.5 43.6





#83

tert-Butylbenzene

Concen: 18.692 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX009773.D

Acq: 22 May 2019 02:17

Instrument :

MSVOA_X

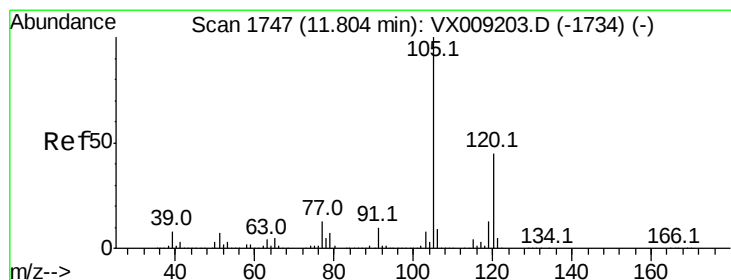
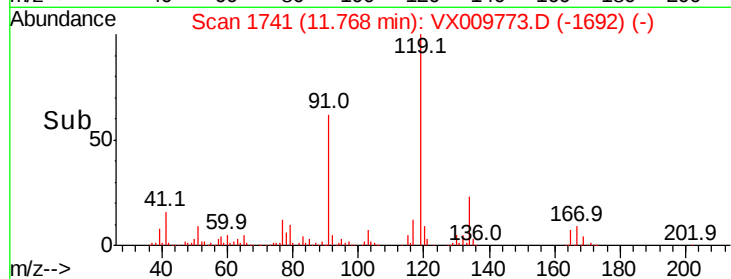
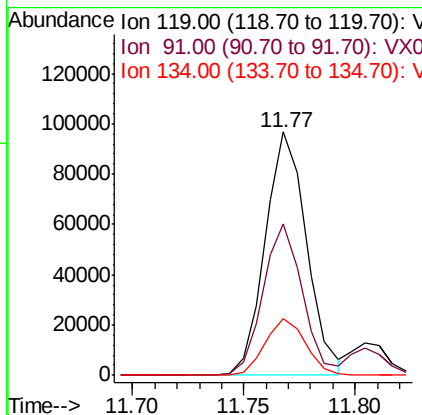
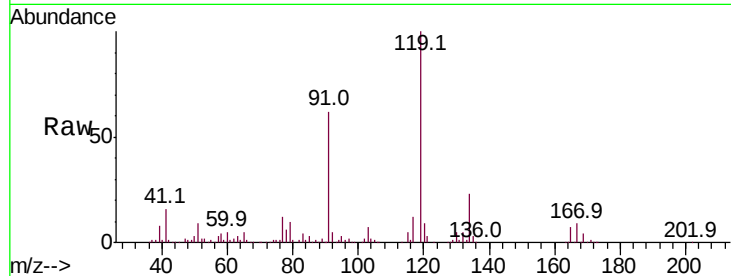
ClientSampleId :

VX0521WBSD04

Tot Ion:119	Resp:	125174
Ion Ratio	Lower	Upper
119 100		
91 59.6	29.5	88.5
134 22.7	11.4	34.1

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#84

1,2,4-Trimethylbenzene

Concen: 19.092 ug/l

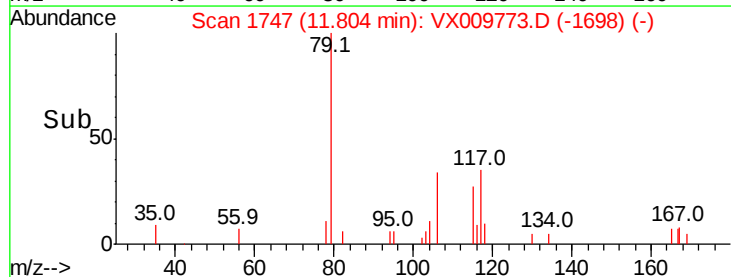
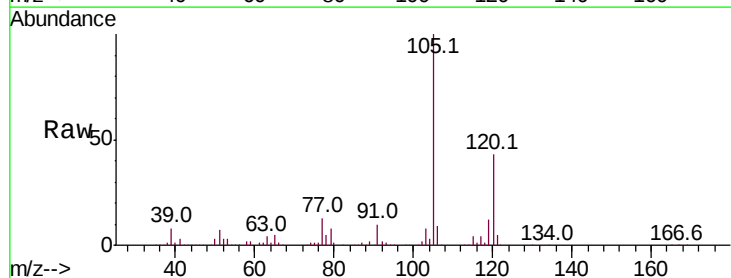
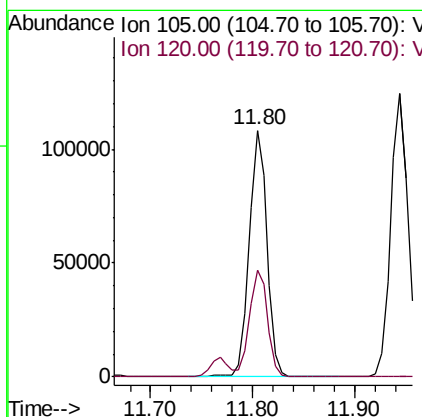
RT: 11.80 min Scan# 1747

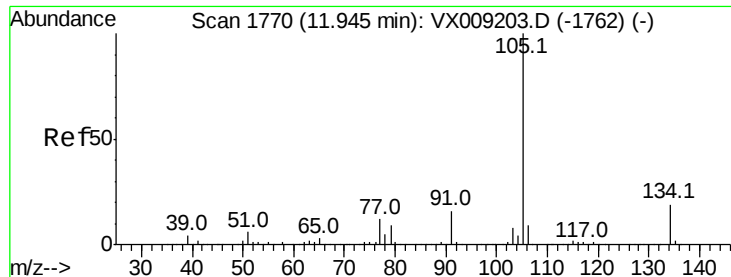
Delta R.T. 0.00 min

Lab File: VX009773.D

Acq: 22 May 2019 02:17

Tgt Ion:105	Resp:	131918
Ion Ratio	Lower	Upper
105 100		
120 44.3	22.0	66.0





#85

sec-Butylbenzene

Concen: 18.653 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX009773.D

Acq: 22 May 2019 02:17

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBSD04

Tot Ion:105 Resp: 148089

Ion Ratio Lower Upper

105 100

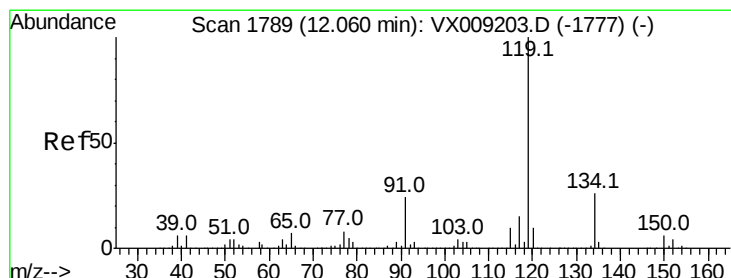
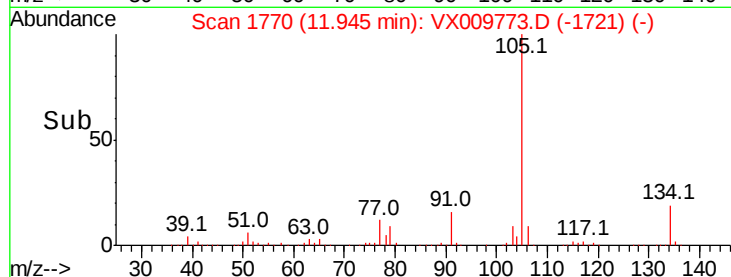
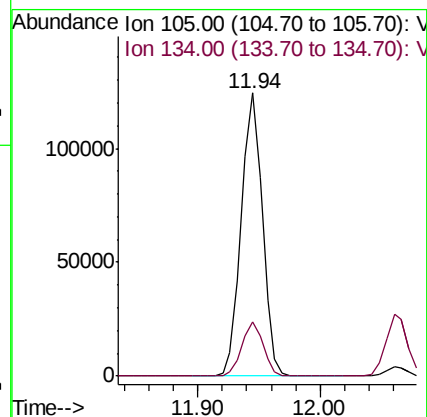
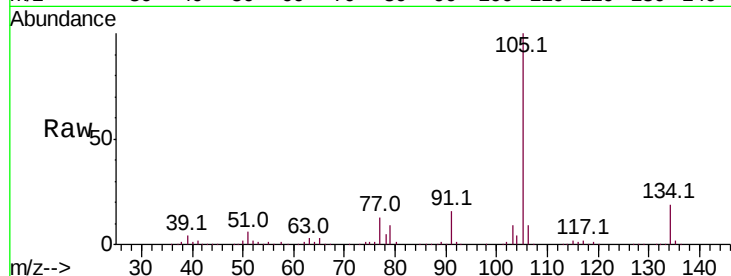
134 19.3 9.7 28.9

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#86

p-Isopropyltoluene

Concen: 18.731 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX009773.D

Acq: 22 May 2019 02:17

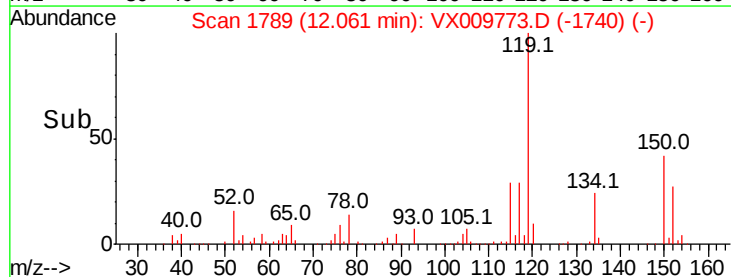
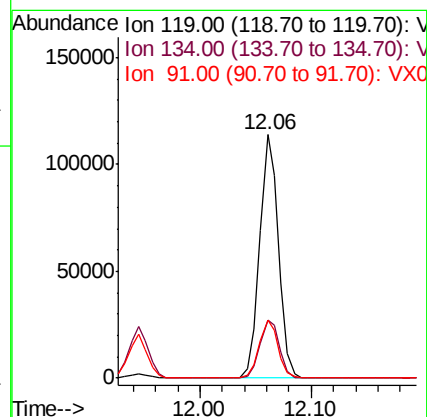
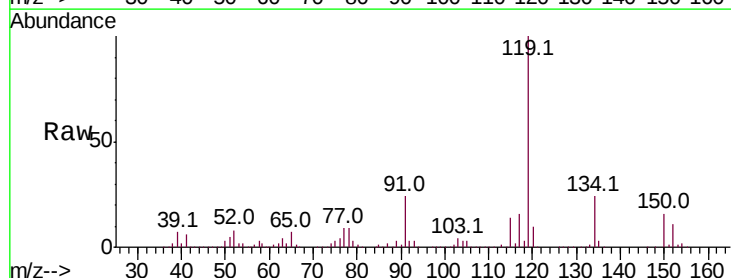
Tgt Ion:119 Resp: 133687

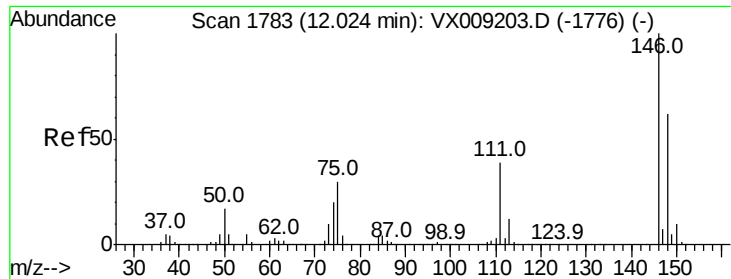
Ion Ratio Lower Upper

119 100

134 25.0 12.9 38.7

91 24.0 11.8 35.4





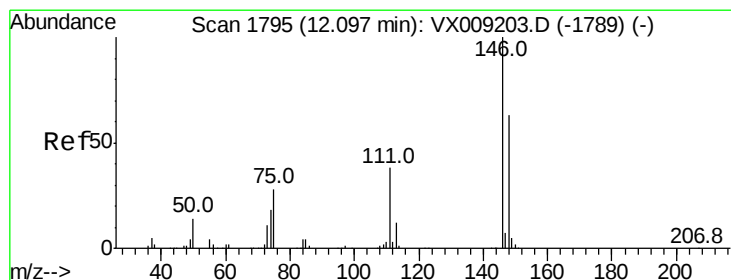
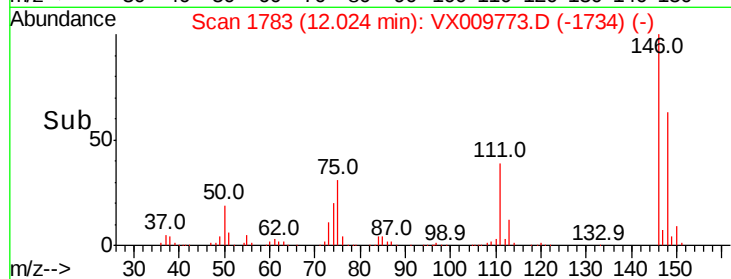
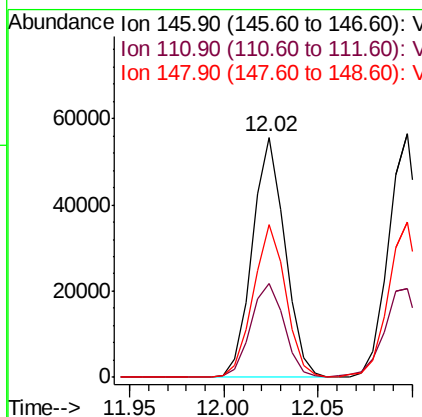
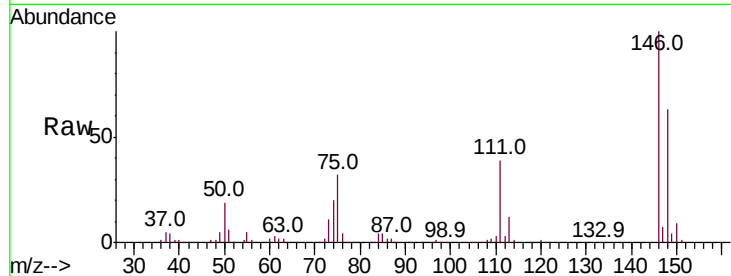
#87
 1,3-Dichlorobenzene
 Concen: 18.480 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX009773.D
 Acq: 22 May 2019 02:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0521WBSD04

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.0	59.9
148	63.4	31.8	95.3

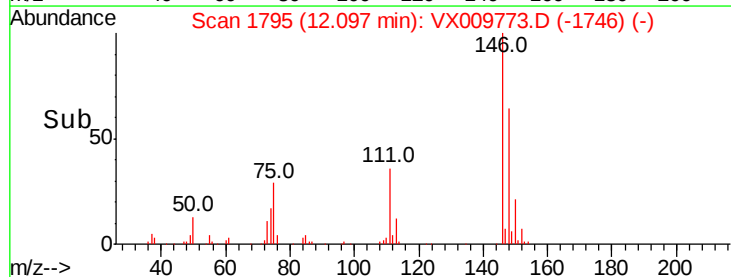
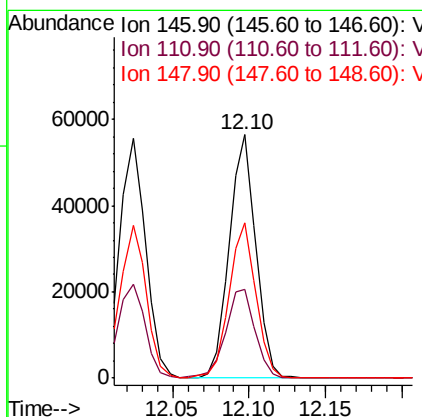
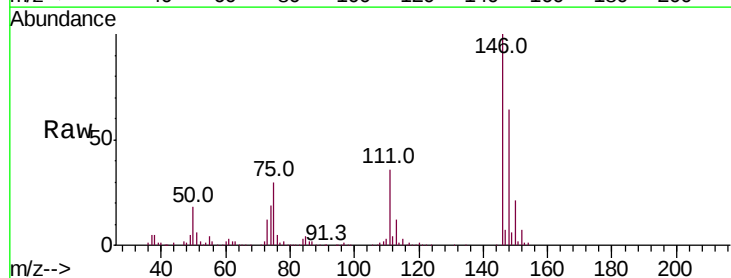
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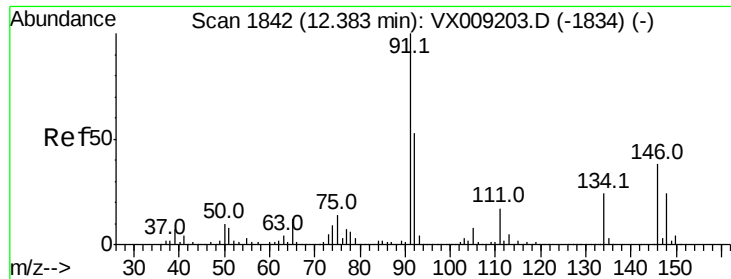
MMDadoda
 5/22/2019 11:39:50 AM



#88
 1,4-Dichlorobenzene
 Concen: 18.587 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX009773.D
 Acq: 22 May 2019 02:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	19.6	58.8
148	64.5	31.8	95.3





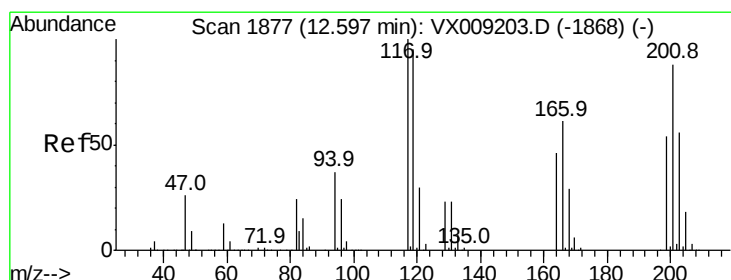
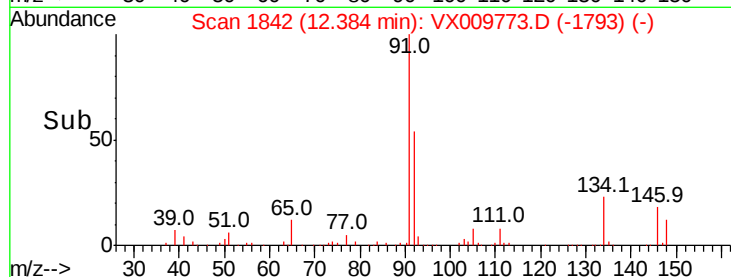
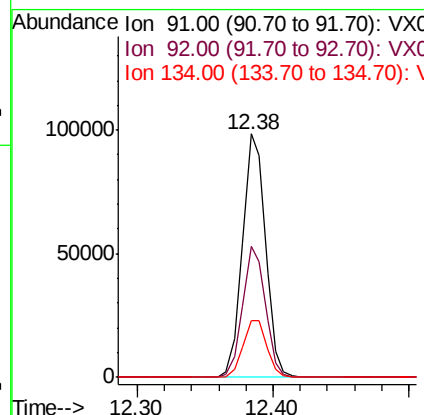
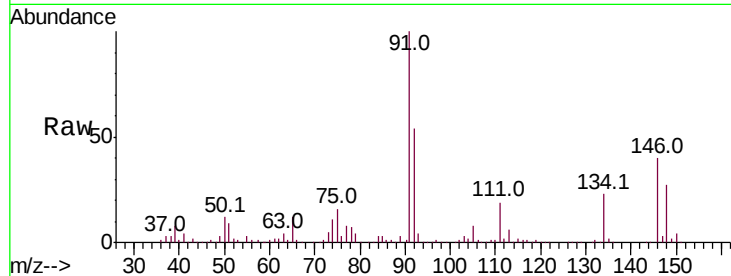
#89
n-Butylbenzene
Concen: 17.986 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX009773.D
Acq: 22 May 2019 02:17

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBSD04

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.5	79.5
134	24.0	12.4	37.2

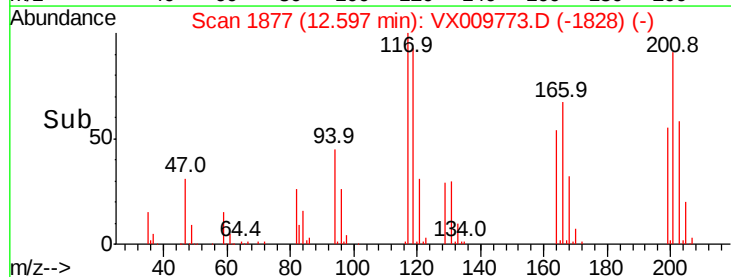
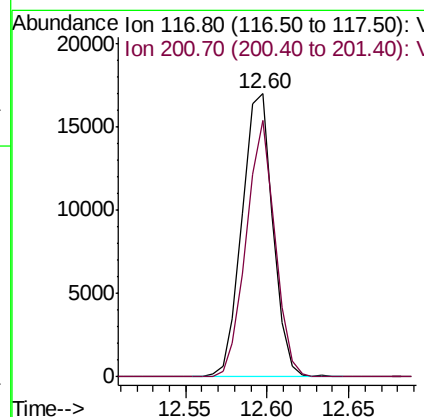
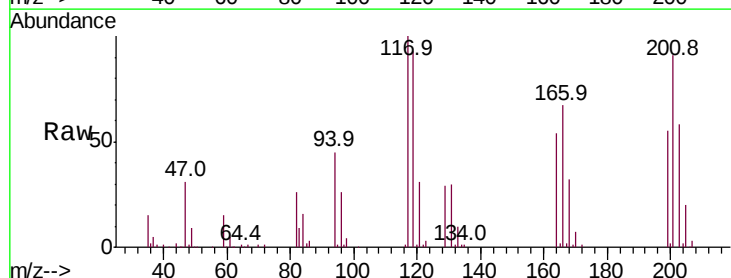
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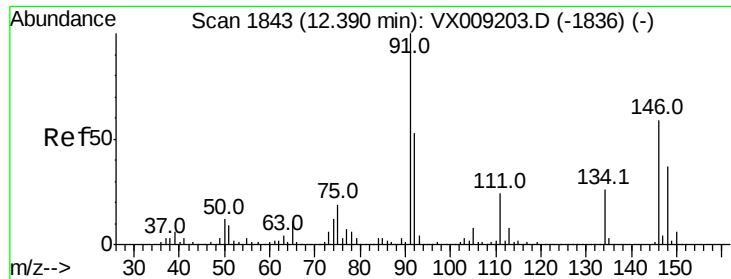
MMDadoda
5/22/2019 11:39:50 AM



#90
Hexachloroethane
Concen: 18.465 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX009773.D
Acq: 22 May 2019 02:17

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.3	42.3	126.9





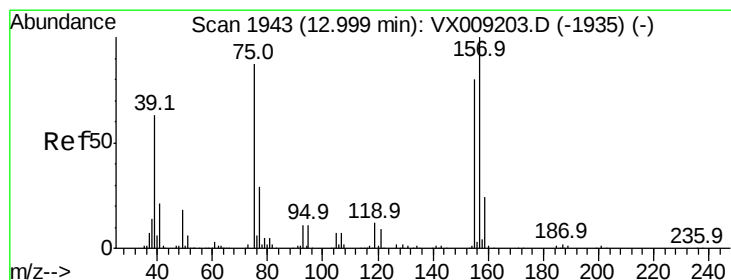
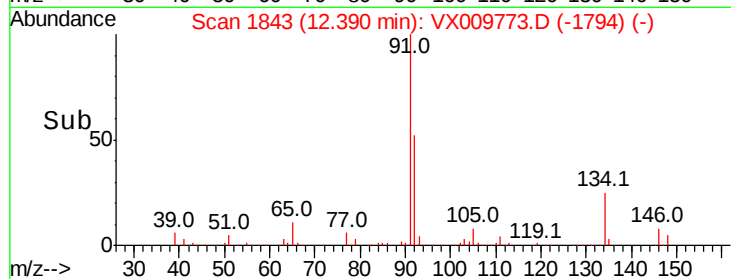
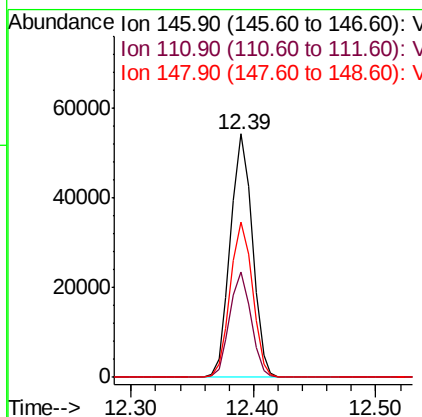
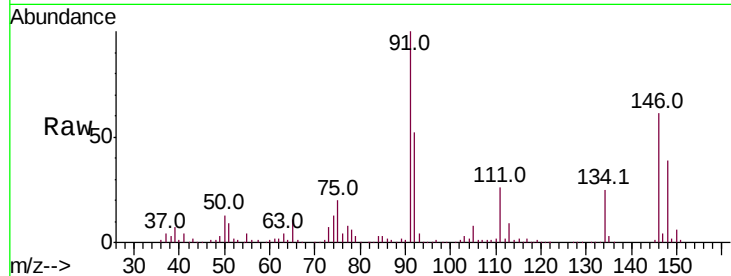
#91
 1,2-Dichlorobenzene
 Concen: 18.384 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX009773.D
 Acq: 22 May 2019 02:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0521WBSD04

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.8	62.4
148	64.4	31.9	95.9

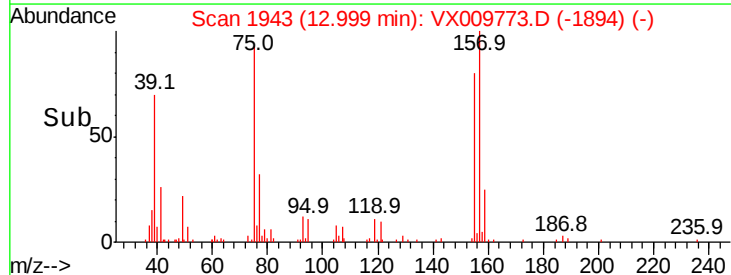
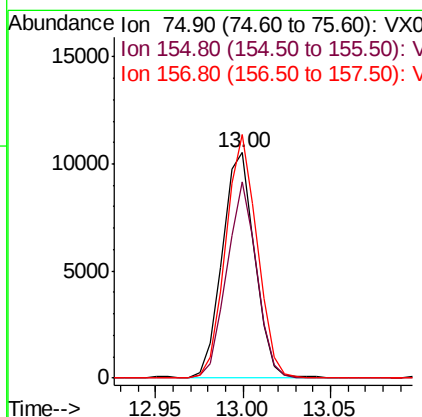
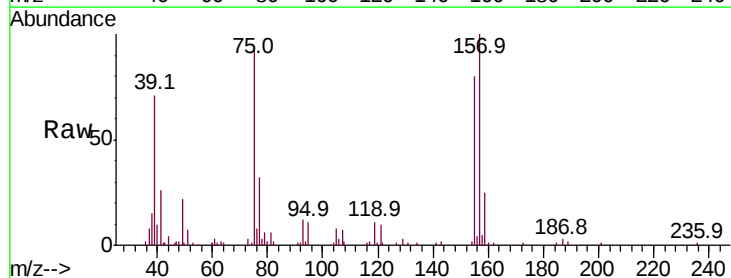
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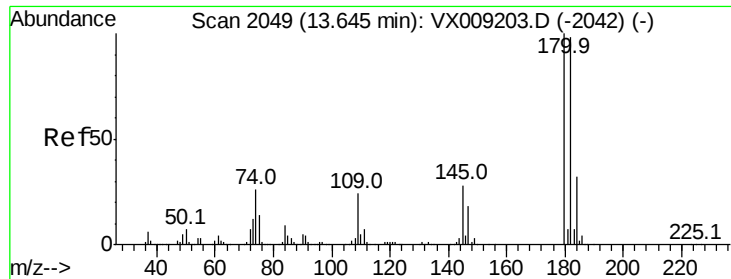
MMDadoda
 5/22/2019 11:39:50 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.945 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX009773.D
 Acq: 22 May 2019 02:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.7	42.0	126.0
157	103.7	53.2	159.6





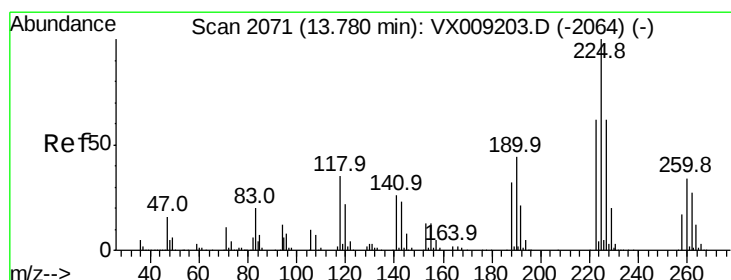
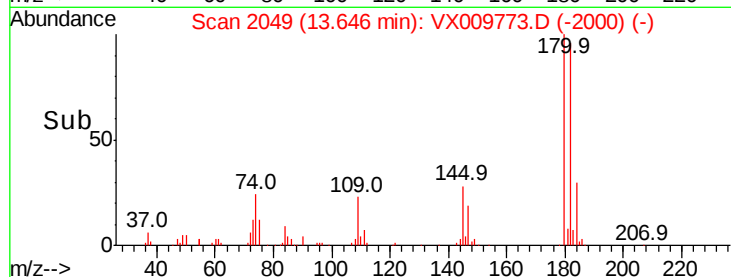
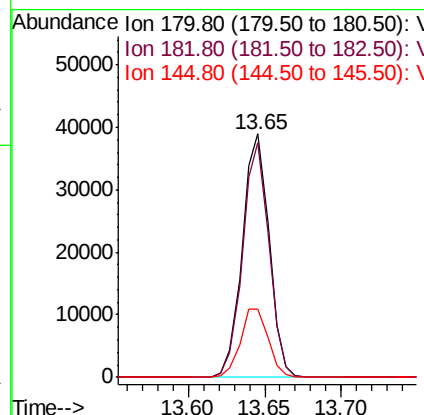
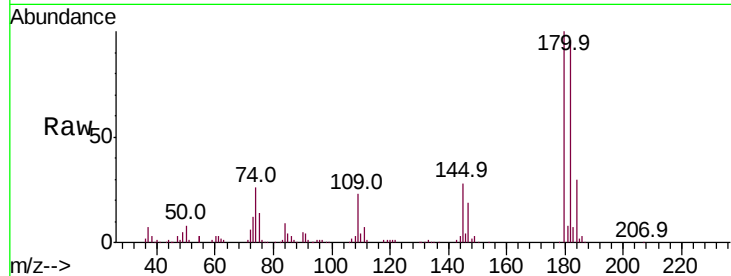
#93
 1,2,4-Trichlorobenzene
 Concen: 18.722 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX009773.D
 Acq: 22 May 2019 02:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0521WBSD04

Tot Ion	Ratio	Resp	Lower	Upper
180	100	47172		
182	94.9	48.4	145.2	
145	29.2	14.6	43.8	

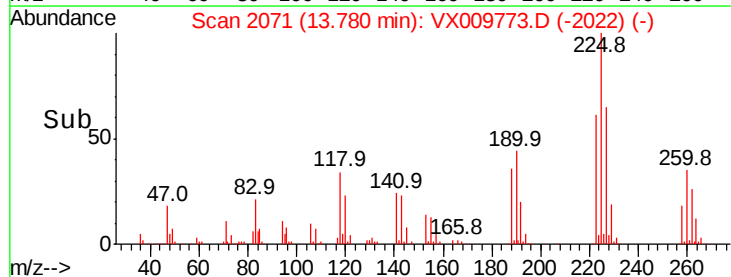
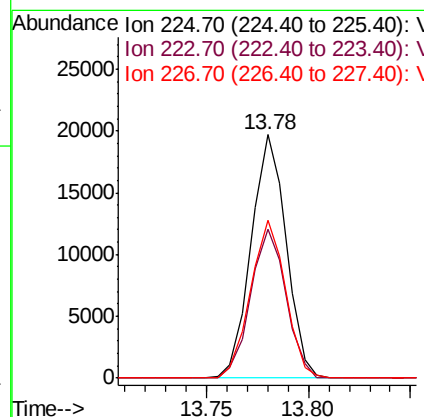
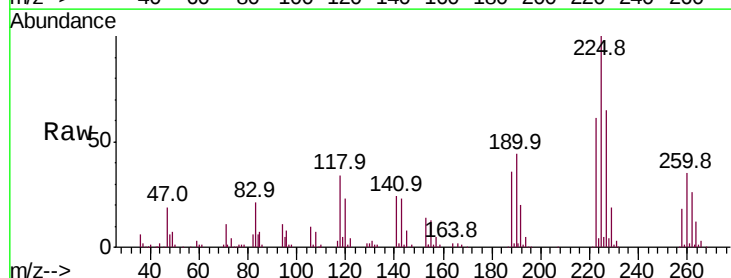
Manual Integrations
 APPROVED

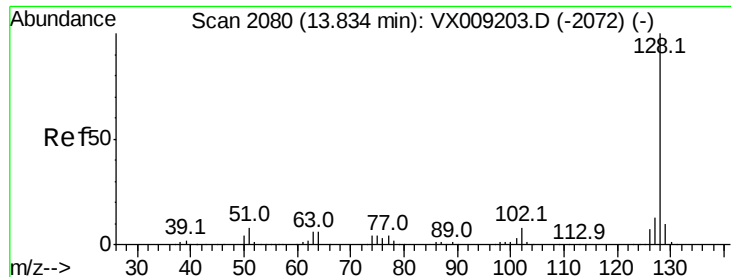
MMDadoda
 5/22/2019 11:39:50 AM



#94
 Hexachlorobutadiene
 Concen: 18.265 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX009773.D
 Acq: 22 May 2019 02:17

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	23501		
223	61.5	31.3	93.8	
227	65.1	31.8	95.3	





#95

Naphthalene

Concen: 19.071 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX009773.D

Acq: 22 May 2019 02:17

Instrument :

MSVOA_X

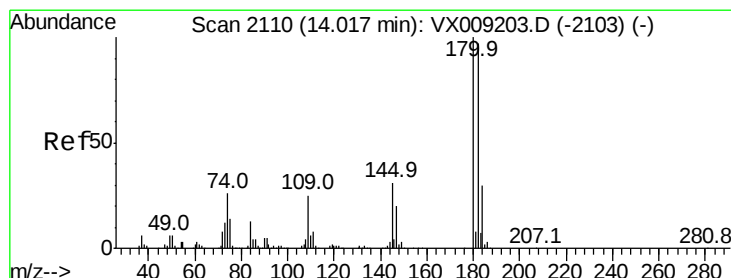
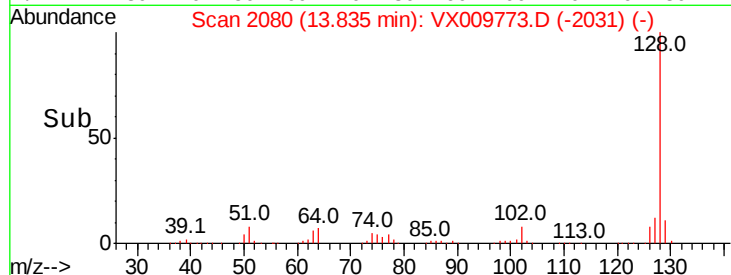
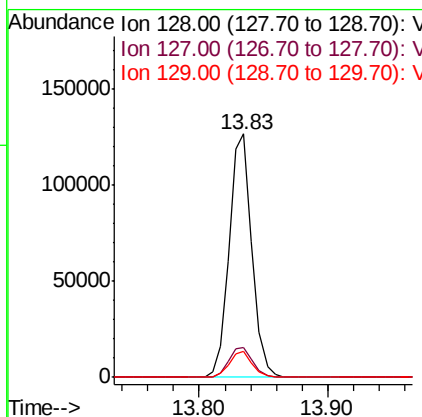
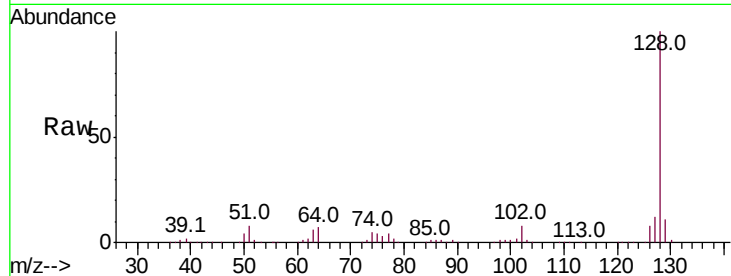
ClientSampleId :

VX0521WBSD04

Tot Ion:	128	Resp:	156329
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.4	15.6
129	10.6	8.6	13.0

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 19.050 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX009773.D

Acq: 22 May 2019 02:17

Tgt Ion:	180	Resp:	48653
Ion Ratio	Lower	Upper	
180	100		
182	95.1	47.8	143.4
145	30.3	15.4	46.4

