

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX071619\
 Data File : VX010899.D
 Acq On : 16 Jul 2019 09:43
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 7/17/2019 10:44:52 AM

Quant Time: Jul 17 04:16:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 17 04:02:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	295349	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	437898	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	384787	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	191226	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.00	65	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	2011	0.895 ug/l	99
3) Chloromethane	1.33	50	2902	1.180 ug/l	89
4) Vinyl Chloride	1.41	62	2543	0.946 ug/l	97
6) Chloroethane	1.73	64	1894	1.185 ug/l	90
7) Trichlorofluoromethane	1.93	101	4511	1.059 ug/l	95
8) Diethyl Ether	2.19	74	1823	1.210 ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.38	101	2843	1.114 ug/l	94
12) 1,1-Dichloroethene	2.37	96	2658	1.028 ug/l	88
14) Allyl chloride	2.72	41	3646	0.996 ug/l #	88
15) Acrylonitrile	3.14	53	7844	5.459 ug/l	97
16) Acetone	2.44	43	7443	5.397 ug/l	94
17) Carbon Disulfide	2.57	76	6509	0.944 ug/l	97
18) Methyl Acetate	2.78	43	3905	1.390 ug/l	94
19) Methyl tert-butyl Ether	3.19	73	8743	1.079 ug/l	94
20) Methylene Chloride	2.85	84	3428	1.193 ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	2970	1.073 ug/l	86
22) Diisopropyl ether	3.85	45	8326	1.086 ug/l #	82
23) Vinyl Acetate	3.82	43	30067	4.547 ug/l	96
24) 1,1-Dichloroethane	3.69	63	5006	1.132 ug/l #	92
25) 2-Butanone	4.67	43	9390	4.625 ug/l	96
26) 2,2-Dichloropropane	4.57	77	4010	1.048 ug/l	96
27) cis-1,2-Dichloroethene	4.59	96	3289	1.035 ug/l	94
28) Bromochloromethane	5.01	49	2590	1.226 ug/l #	94
29) Tetrahydrofuran	5.13	42	6439	5.094 ug/l	98
30) Chloroform	5.21	83	5529	1.160 ug/l	93
32) 1,1,1-Trichloroethane	5.48	97	4430	1.053 ug/l #	47
36) 1,1-Dichloropropene	5.80	75	3662	1.044 ug/l	90
37) Ethyl Acetate	4.85	43	3302	0.918 ug/l #	89
38) Carbon Tetrachloride	5.78	117	3610	0.959 ug/l	97
39) Methylcyclohexane	7.46	83	4507	0.981 ug/l	92
40) Benzene	6.15	78	11350	1.046 ug/l	99
41) Methacrylonitrile	5.04	41	2434	1.240 ug/l #	88
42) 1,2-Dichloroethane	6.20	62	4097	1.223 ug/l	98
43) Isopropyl Acetate	6.44	43	6032	1.017 ug/l	96

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Manual Integrations
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Quant Time: Jul 17 04:16:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 17 04:02:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Trichloroethene	7.21	130	3478	1.074	ug/l	97
45) 1,2-Dichloropropane	7.51	63	2892	1.054	ug/l	96
46) Dibromomethane	7.66	93	1957	0.994	ug/l	92
47) Bromodichloromethane	7.89	83	3303	0.920	ug/l #	84
48) Methyl methacrylate	7.77	41	3047	1.102	ug/l	89
49) 1,4-Dioxane	7.74	88	1774	22.306	ug/l #	77
51) 4-Methyl-2-Pentanone	8.64	43	17822	4.679	ug/l	98
52) Toluene	8.78	92	7345	1.029	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	3213	0.800	ug/l	97
54) cis-1,3-Dichloropropene	8.44	75	3714	0.848	ug/l	94
55) 1,1,2-Trichloroethane	9.21	97	2978	1.014	ug/l #	88
56) Ethyl methacrylate	9.18	69	3708	0.833	ug/l	91
57) 1,3-Dichloropropane	9.37	76	4757	1.039	ug/l	94
58) 2-Chloroethyl Vinyl ether	8.31	63	8423	3.999	ug/l	99
59) 2-Hexanone	9.49	43	13264	4.425	ug/l	95
60) Dibromochloromethane	9.58	129	2347	0.718	ug/l	92
61) 1,2-Dibromoethane	9.67	107	2843	0.895	ug/l	95
64) Tetrachloroethene	9.34	164	3537	1.141	ug/l #	87
65) Chlorobenzene	10.13	112	8694	1.115	ug/l #	85
66) 1,1,1,2-Tetrachloroethane	10.22	131	2611	0.920	ug/l #	63
67) Ethyl Benzene	10.25	91	13747	1.039	ug/l	98
68) m/p-Xylenes	10.35	106	10074	1.969	ug/l	96
69) o-Xylene	10.69	106	5053	1.003	ug/l	97
70) Styrene	10.71	104	7569	0.896	ug/l	96
71) Bromoform	10.85	173	1835	0.756	ug/l #	93
73) Isopropylbenzene	11.01	105	12775	0.987	ug/l	97
74) N-amyl acetate	10.90	43	4557	0.930	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.26	83	4388	1.025	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	3482m	1.001	ug/l	
77) Bromobenzene	11.26	156	3990	1.107	ug/l	95
78) n-propylbenzene	11.36	91	13817	0.971	ug/l	100
79) 2-Chlorotoluene	11.42	91	8982	1.058	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	10735	1.004	ug/l	99
82) 4-Chlorotoluene	11.51	91	10053	1.040	ug/l	99
83) tert-Butylbenzene	11.77	119	10218	0.954	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	10545	0.983	ug/l	99
85) sec-Butylbenzene	11.94	105	11780	0.937	ug/l	96
86) p-Isopropyltoluene	12.06	119	10695	0.920	ug/l	92
87) 1,3-Dichlorobenzene	12.02	146	6355	1.008	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	7002m	1.090	ug/l	
89) n-Butylbenzene	12.38	91	8851	0.894	ug/l	98
90) Hexachloroethane	12.59	117	1696	0.860	ug/l	82
91) 1,2-Dichlorobenzene	12.39	146	6183	0.986	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	12.99	75	875	0.944	ug/l	80
93) 1,2,4-Trichlorobenzene	13.64	180	3945	0.911	ug/l	95
94) Hexachlorobutadiene	13.78	225	2129	1.007	ug/l	95
95) Naphthalene	13.83	128	10725	0.811	ug/l	98
96) 1,2,3-Trichlorobenzene	14.02	180	4098	0.954	ug/l	96

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ClientSampleId :
VSTDICC001

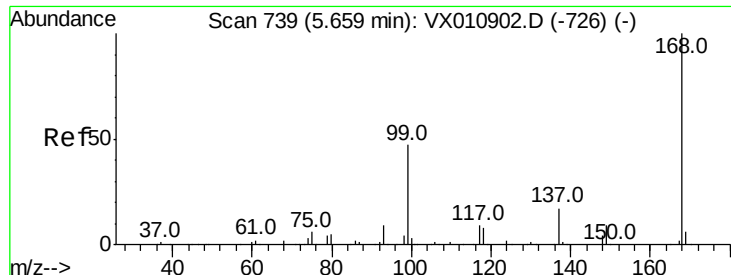
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = 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. -0.00 min

Lab File: VX010899.D

Acq: 16 Jul 2019 09:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion:168 Resp: 295349

Ion Ratio Lower Upper

168 100

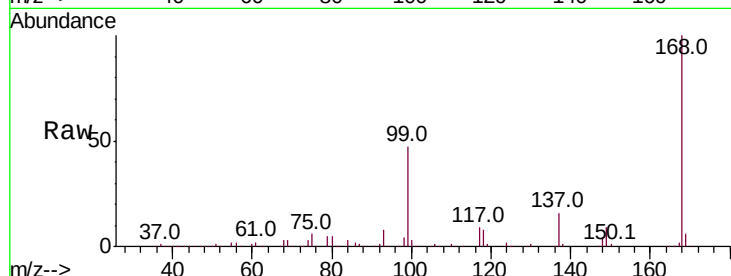
99 47.3 37.6 56.4

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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

120000

100000

80000

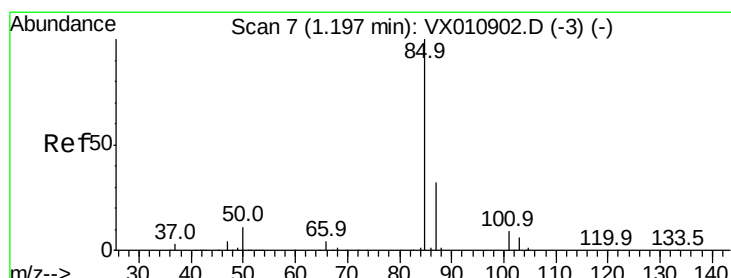
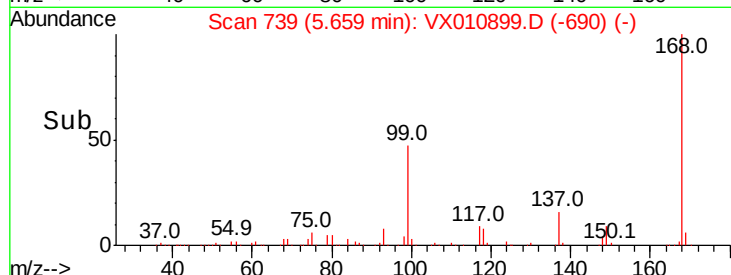
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.895 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX010899.D

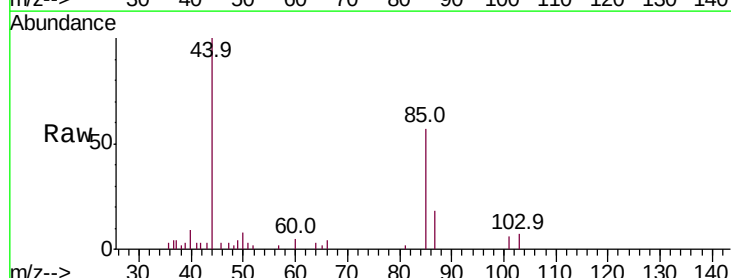
Acq: 16 Jul 2019 09:43

Tgt Ion: 85 Resp: 2011

Ion Ratio Lower Upper

85 100

87 31.3 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

2000

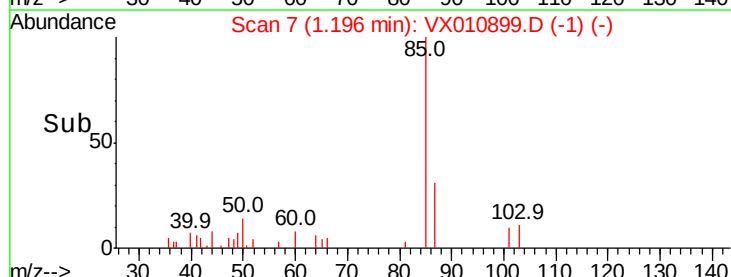
1500

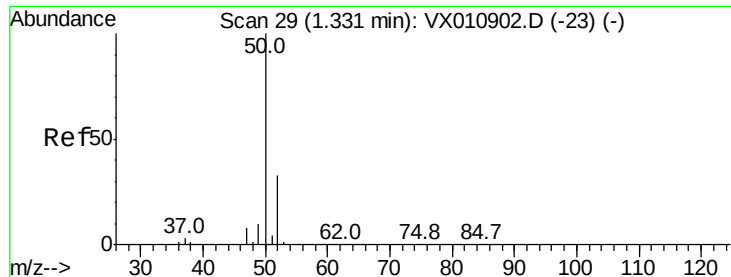
1000

500

0

Time-->





#3

Chloromethane

Concen: 1.180 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX010899.D

Acq: 16 Jul 2019 09:43

Instrument :

MSVOA_X

ClientSampled :

VSTDIC001

Tot Ion: 50 Resp: 2902

Ion Ratio Lower Upper

50 100

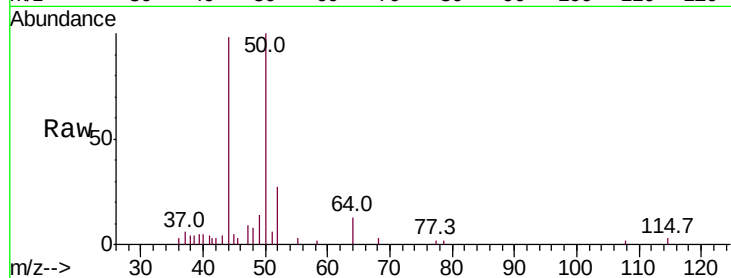
52 26.9 26.4 39.6

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

2500

2000

1500

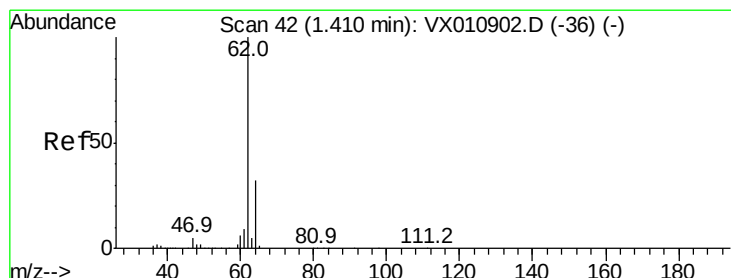
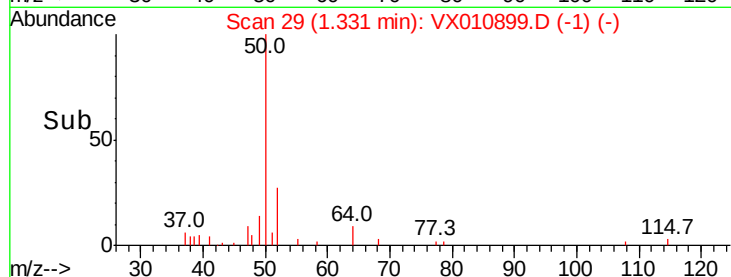
1000

500

0

1.30 1.35

Time-->



#4

Vinyl Chloride

Concen: 0.946 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX010899.D

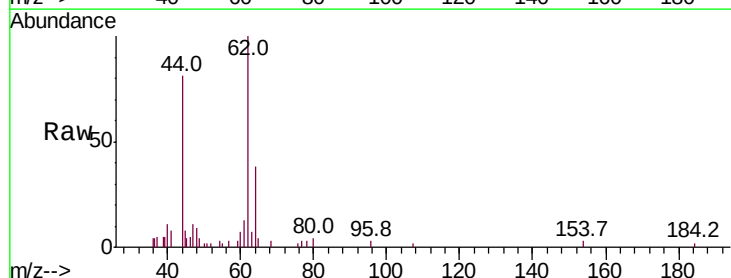
Acq: 16 Jul 2019 09:43

Tgt Ion: 62 Resp: 2543

Ion Ratio Lower Upper

62 100

64 30.5 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41

2500

2000

1500

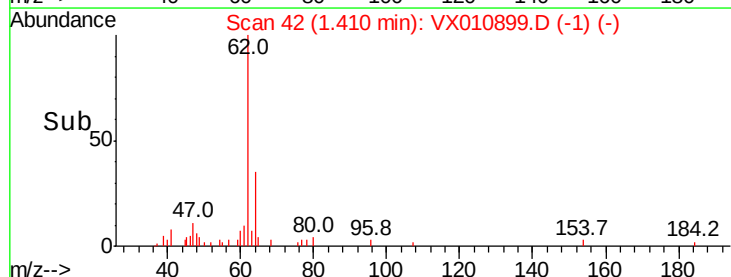
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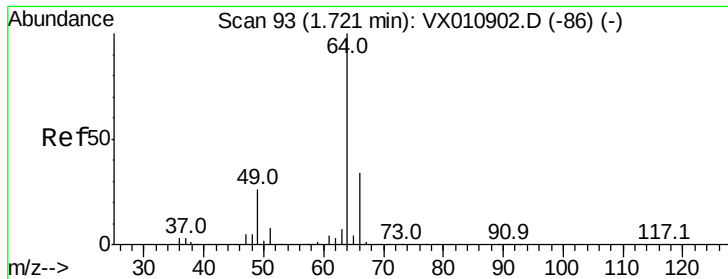
500

0

1.35 1.40 1.45

Time-->





#6

Chloroethane

Concen: 1.185 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX010899.D

Acq: 16 Jul 2019 09:43

Instrument :

MSVOA_X

ClientSampled :

VSTDIC001

Tot Ion: 64 Resp: 1894

Ion Ratio Lower Upper

64 100

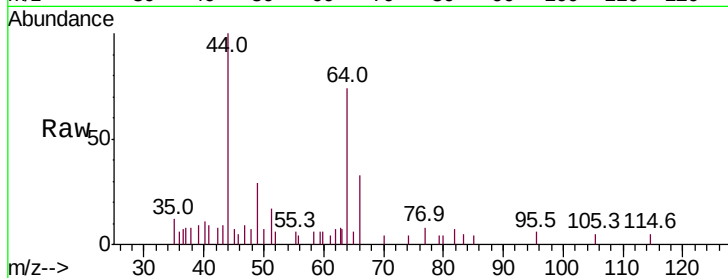
66 39.4 27.0 40.6

Manual Integrations

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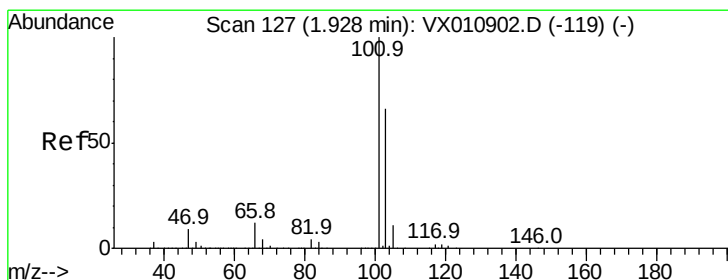
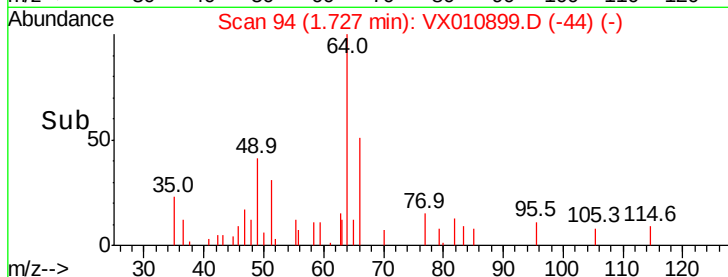
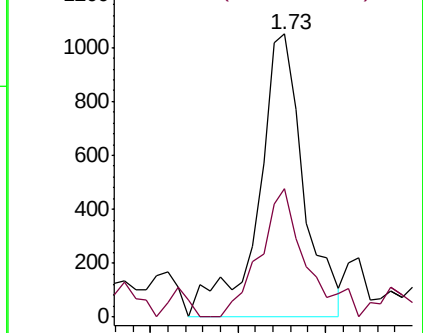
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Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#7

Trichlorofluoromethane

Concen: 1.059 ug/l

RT: 1.93 min Scan# 127

Delta R.T. -0.00 min

Lab File: VX010899.D

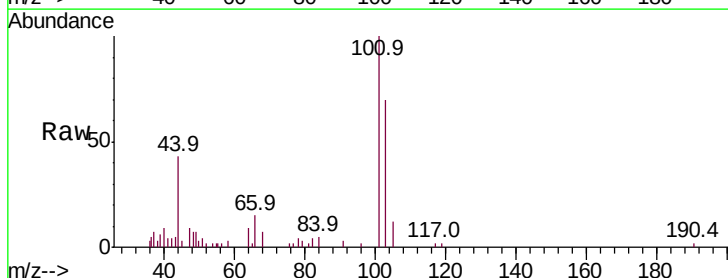
Acq: 16 Jul 2019 09:43

Tgt Ion:101 Resp: 4511

Ion Ratio Lower Upper

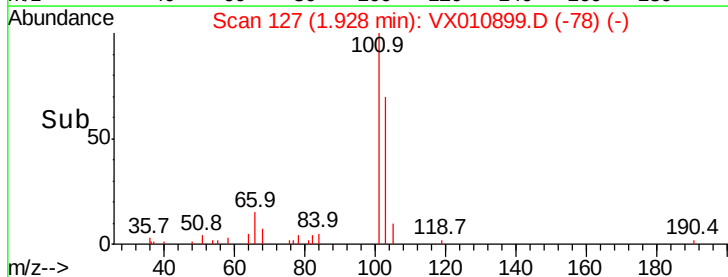
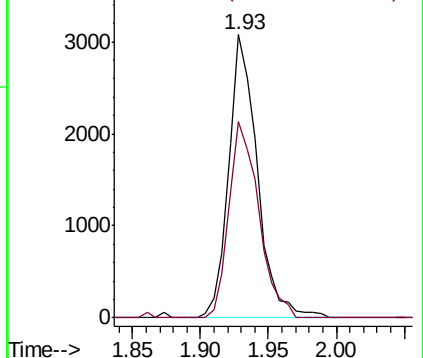
101 100

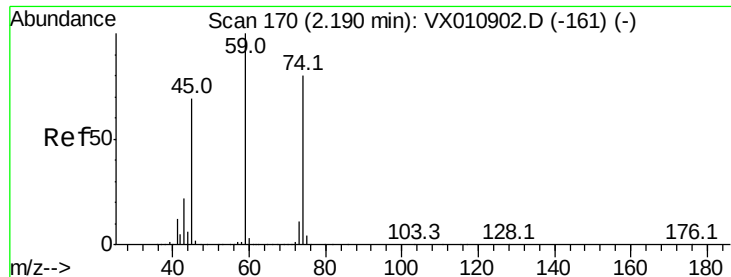
103 69.6 52.6 78.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V





#8

Diethyl Ether

Concen: 1.210 ug/l

RT: 2.19 min Scan# 170

Delta R.T. -0.00 min

Lab File: VX010899.D

Acq: 16 Jul 2019 09:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 74 Resp: 1823

Ion Ratio Lower Upper

74 100

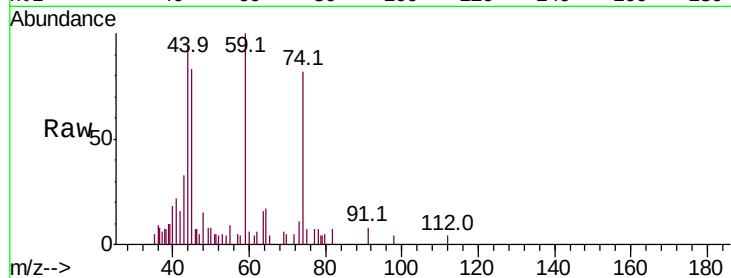
45 84.4 45.5 136.5

Manual Integrations

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7/17/2019 10:44:52 AM



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

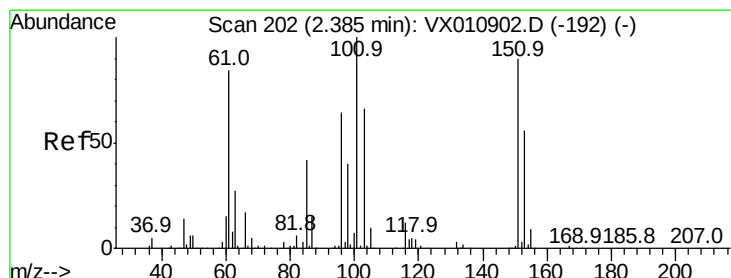
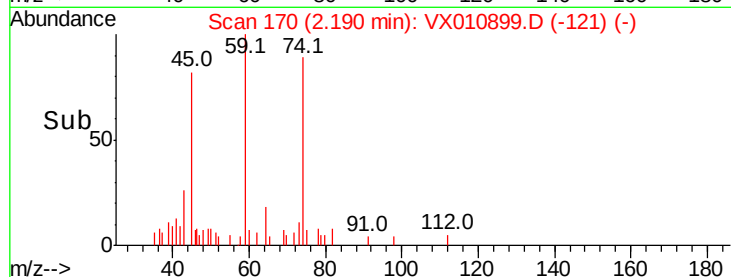
2.19

1000

500

0

Time--> 2.10 2.15 2.20 2.25



#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.114 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX010899.D

Acq: 16 Jul 2019 09:43

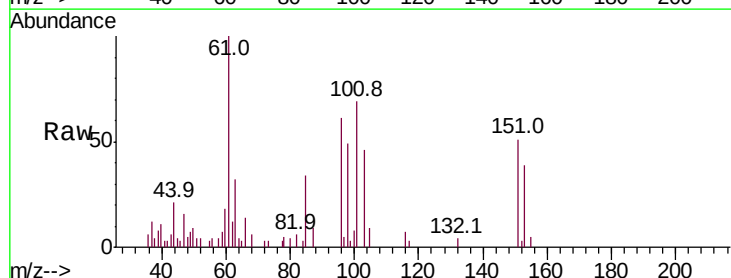
Tgt Ion: 101 Resp: 2843

Ion Ratio Lower Upper

101 100

85 47.8 34.6 52.0

151 82.0 69.6 104.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V

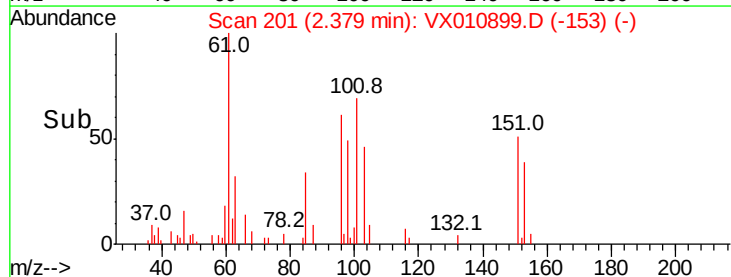
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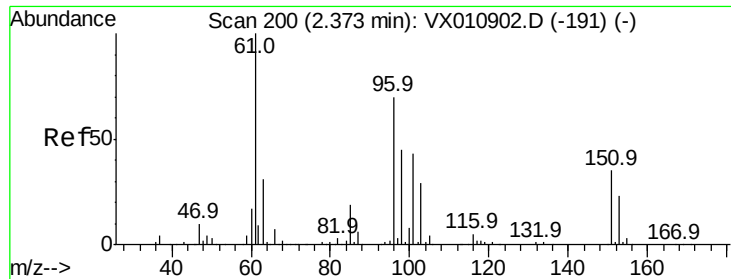
1000

500

0

Time--> 2.30 2.35 2.40 2.45





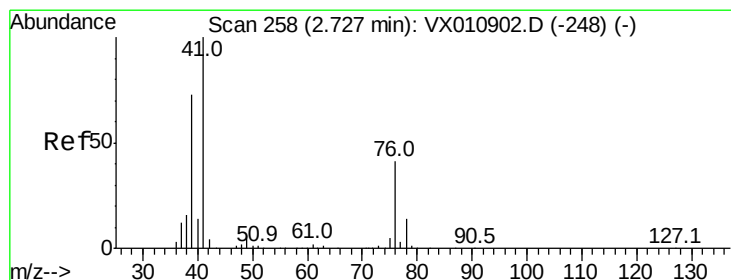
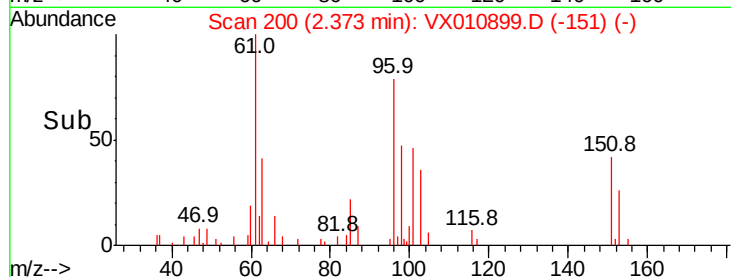
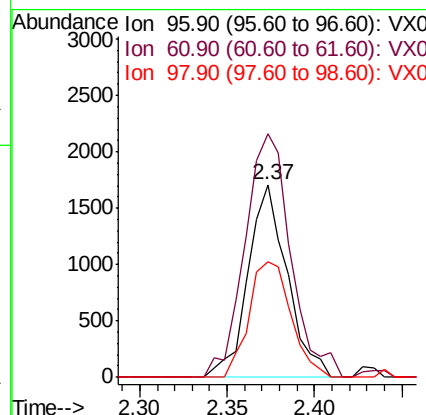
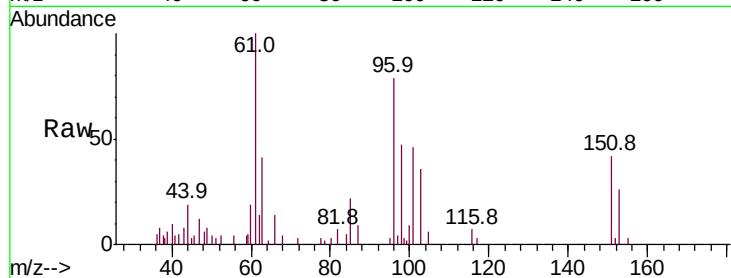
#12
 1,1-Dichloroethene
 Concen: 1.028 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. -0.00 min
 Lab File: VX010899.D
 Acq: 16 Jul 2019 09:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
96	100		
61	126.3	115.0	172.4
98	59.9	52.2	78.2

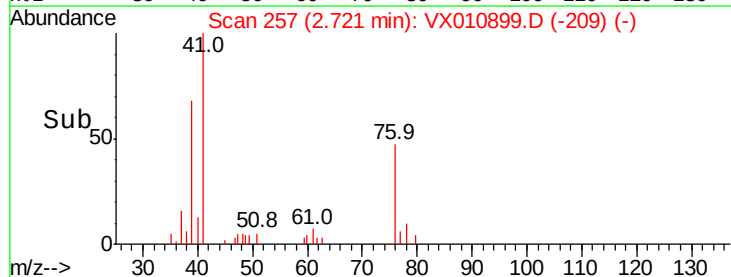
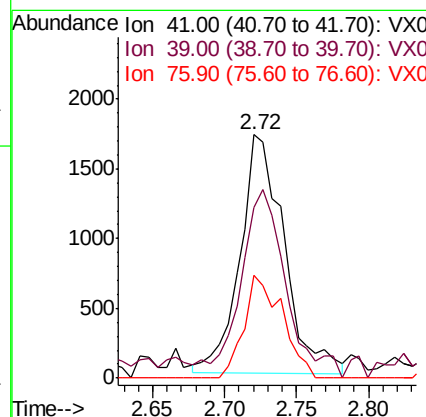
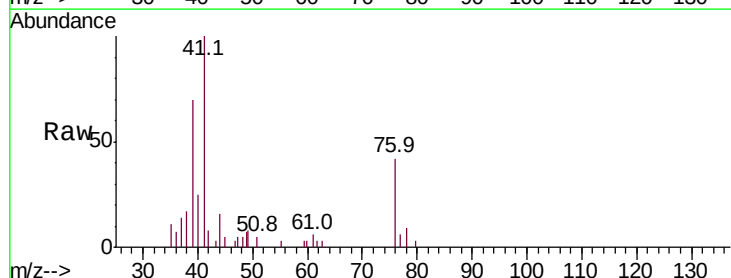
Manual Integrations
 APPROVED

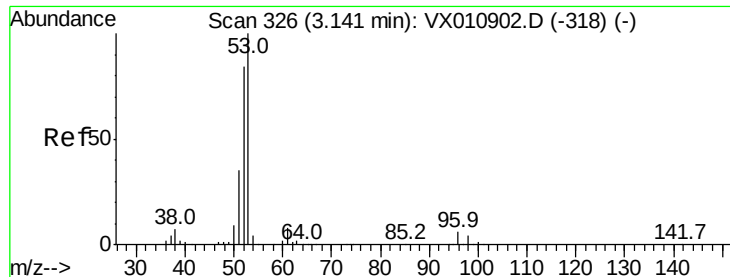
MMDadoda
 7/17/2019 10:44:52 AM



#14
 Allyl chloride
 Concen: 0.996 ug/l
 RT: 2.72 min Scan# 257
 Delta R.T. -0.01 min
 Lab File: VX010899.D
 Acq: 16 Jul 2019 09:43

Tgt Ion	Ratio	Lower	Upper
41	100		
39	81.6	53.6	80.4#
76	37.3	29.7	44.5





#15

Acrylonitrile

Concen: 5.459 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX010899.D

Acq: 16 Jul 2019 09:43

Instrument :

MSVOA_X

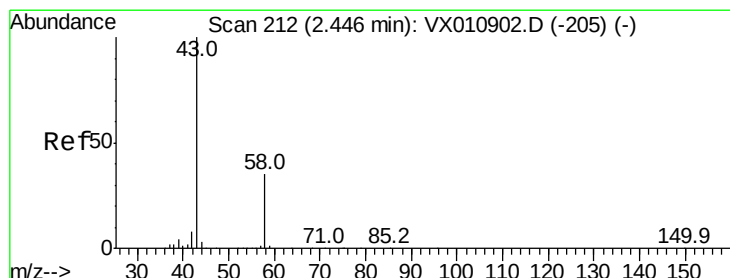
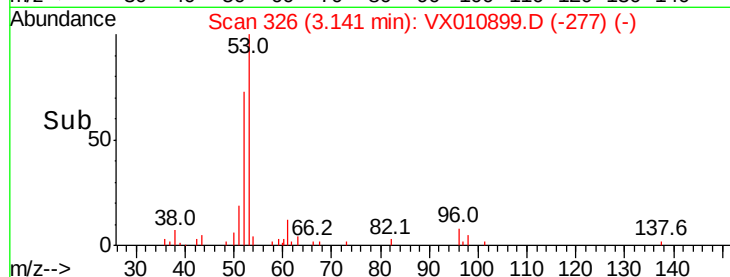
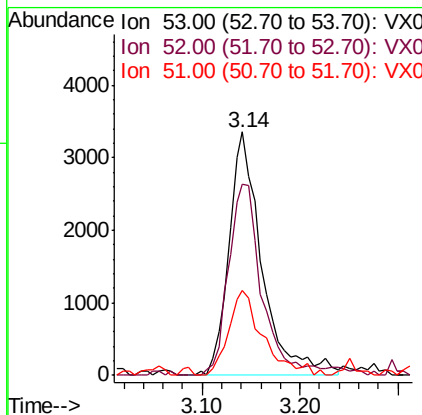
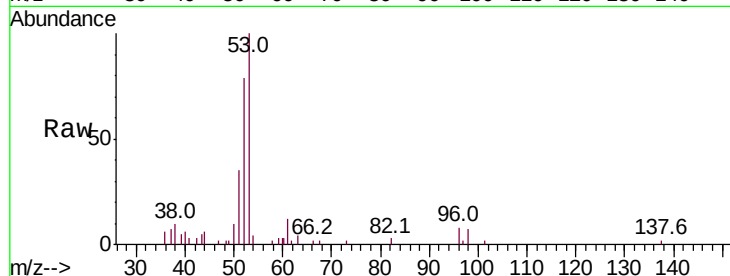
ClientSampleId :

VSTDIC001

Tot Ion:	53	Resp:	7844
Ion	Ratio	Lower	Upper
53	100		
52	79.6	66.5	99.7
51	36.2	28.2	42.4

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#16

Acetone

Concen: 5.397 ug/l

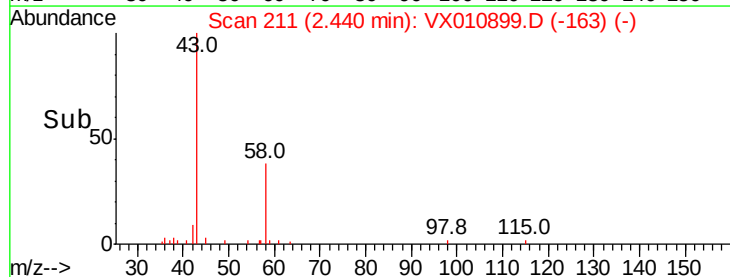
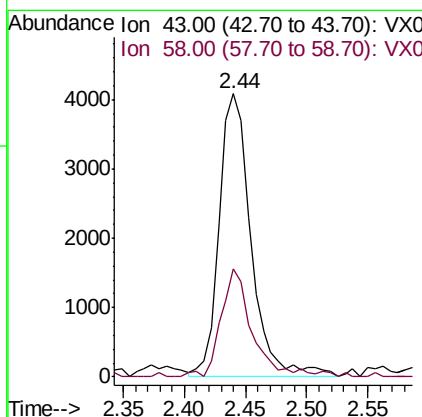
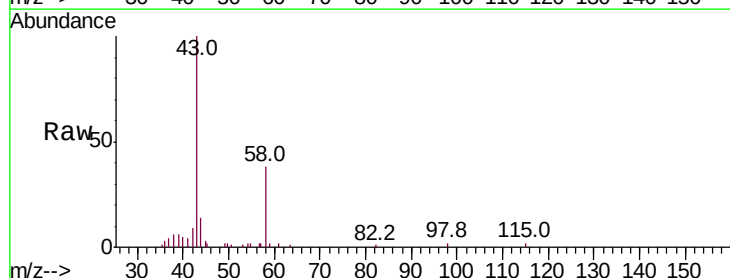
RT: 2.44 min Scan# 211

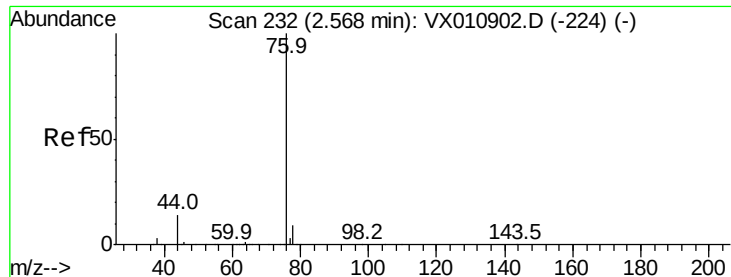
Delta R.T. -0.01 min

Lab File: VX010899.D

Acq: 16 Jul 2019 09:43

Tgt Ion:	43	Resp:	7443
Ion	Ratio	Lower	Upper
43	100		
58	38.1	27.7	41.5





#17

Carbon Disulfide

Concen: 0.944 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX010899.D

Acq: 16 Jul 2019 09:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 76 Resp: 6509

Ion Ratio Lower Upper

76 100

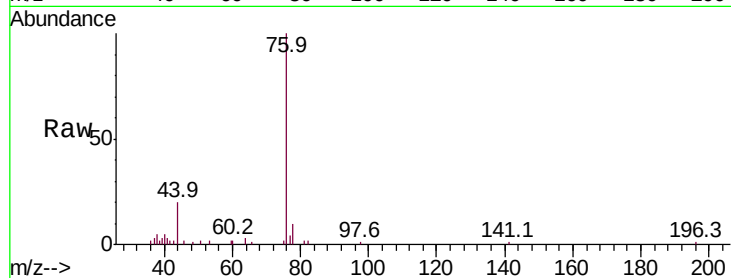
78 10.2 7.4 11.0

Manual Integrations

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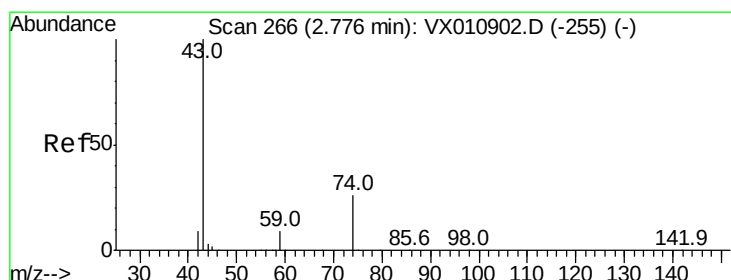
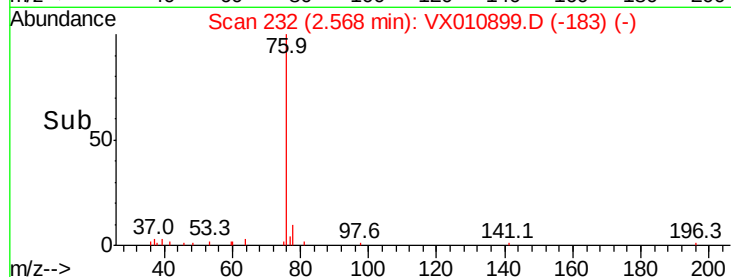
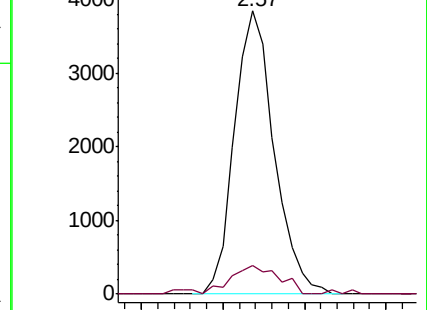
MMDadoda

7/17/2019 10:44:52 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 1.390 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX010899.D

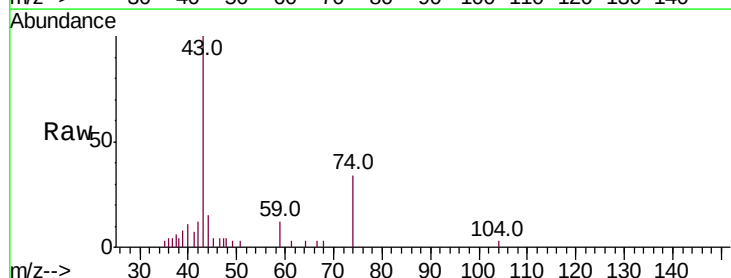
Acq: 16 Jul 2019 09:43

Tgt Ion: 43 Resp: 3905

Ion Ratio Lower Upper

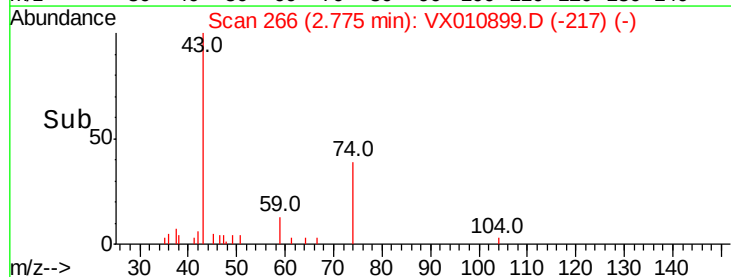
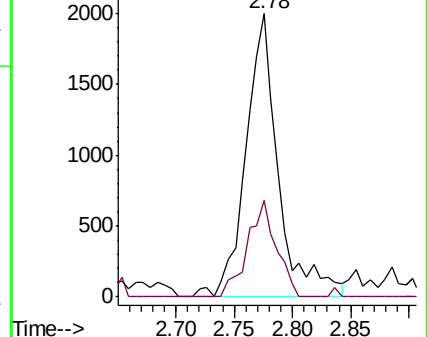
43 100

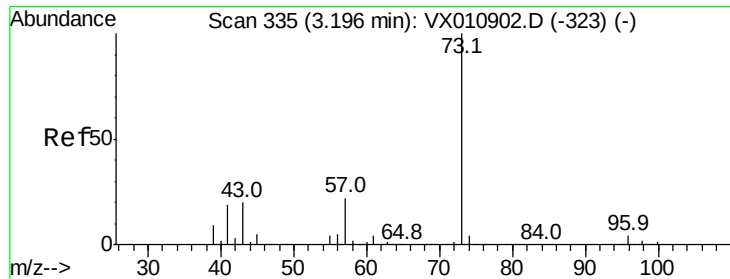
74 30.1 21.5 32.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





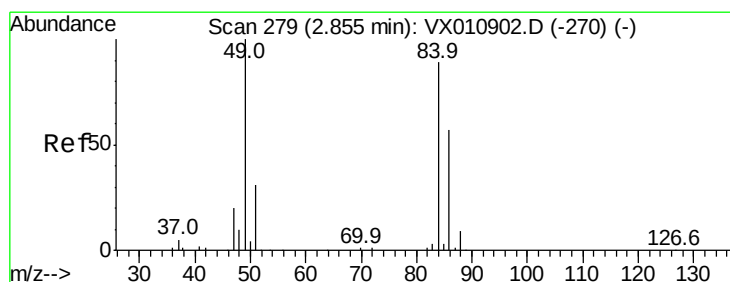
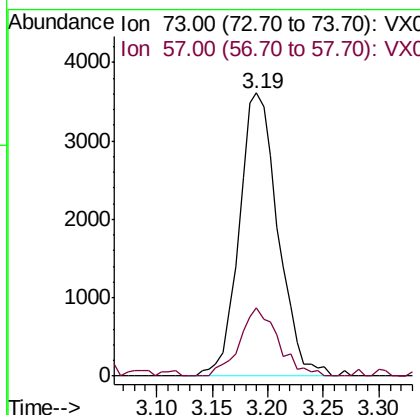
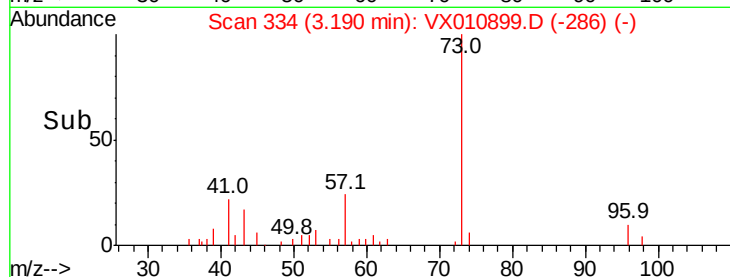
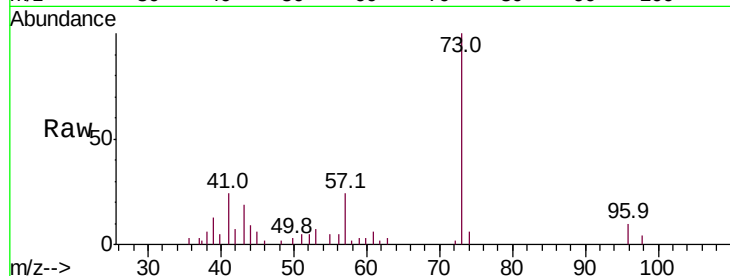
#19
Methyl tert-butyl Ether
Concen: 1.079 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.01 min
Lab File: VX010899.D
Acq: 16 Jul 2019 09:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion: 73 Resp: 8743
Ion Ratio Lower Upper
73 100
57 24.2 17.3 25.9

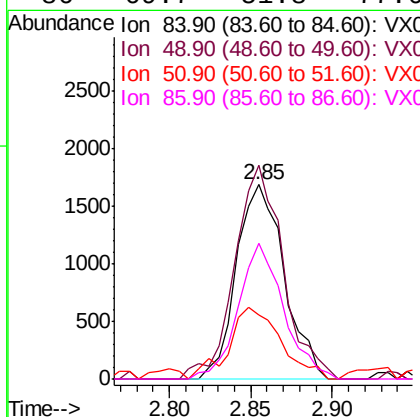
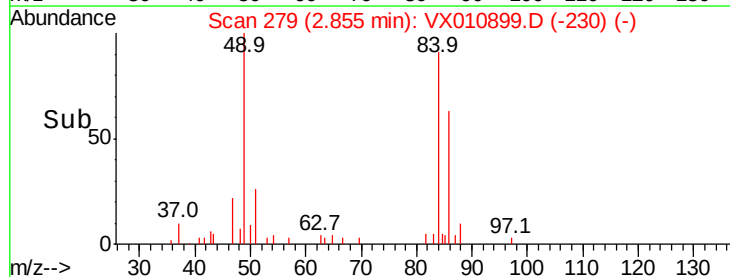
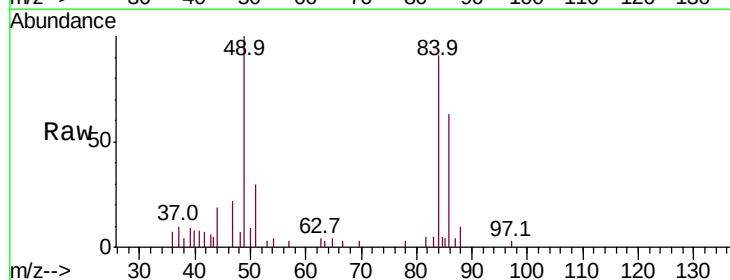
Manual Integrations
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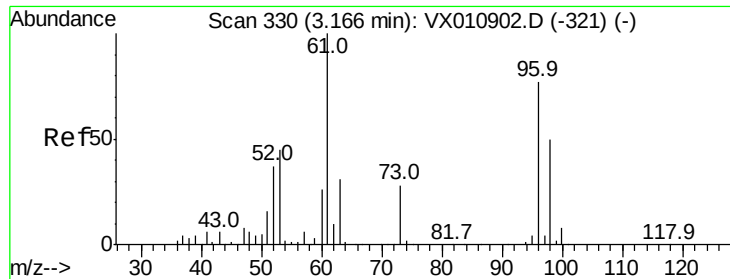
MMDadoda
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#20
Methylene Chloride
Concen: 1.193 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX010899.D
Acq: 16 Jul 2019 09:43

Tgt Ion: 84 Resp: 3428
Ion Ratio Lower Upper
84 100
49 109.8 89.9 134.9
51 32.7 27.8 41.6
86 69.7 51.8 77.6





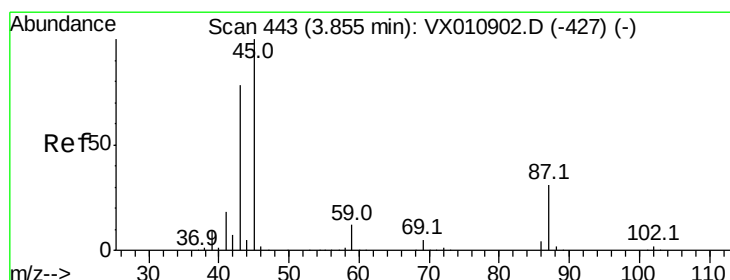
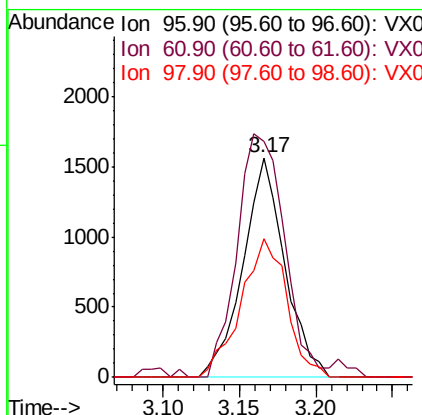
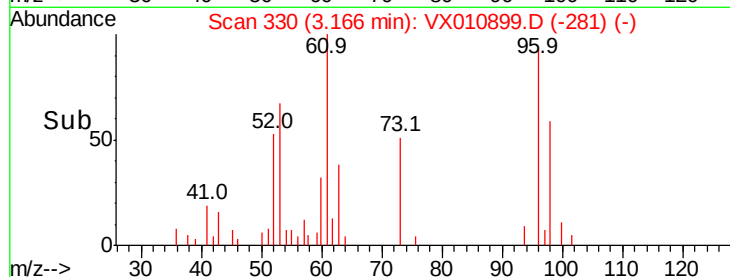
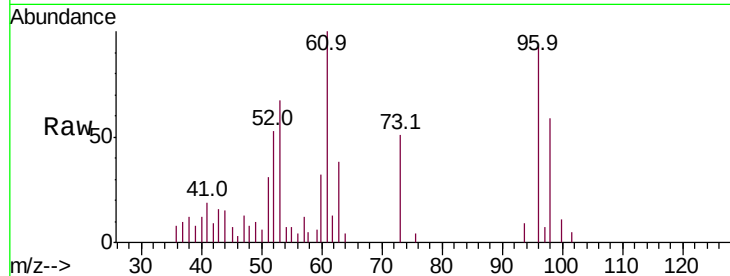
#21
trans-1,2-Dichloroethene
Concen: 1.073 ug/l
RT: 3.17 min Scan# 330
Delta R.T. -0.00 min
Lab File: VX010899.D
Acq: 16 Jul 2019 09:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
96	100		
61	107.2	104.2	156.2
98	63.0	52.2	78.4

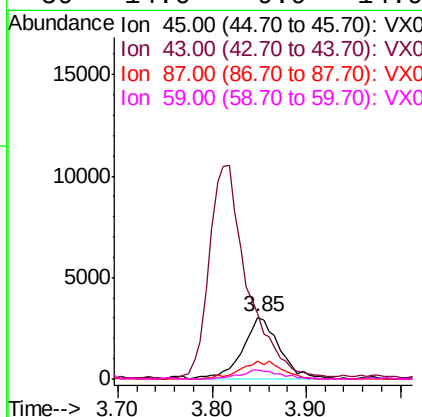
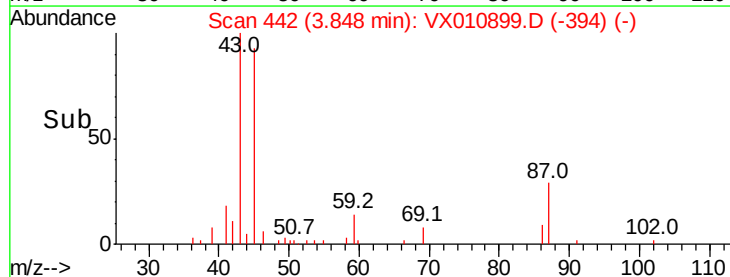
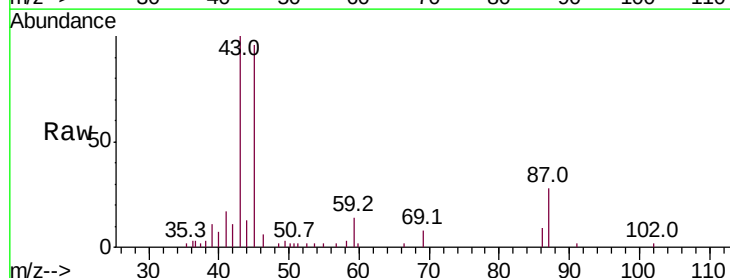
Manual Integrations
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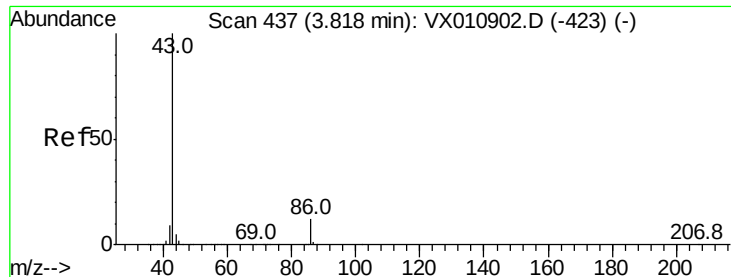
MMDadoda
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#22
Diisopropyl ether
Concen: 1.086 ug/l
RT: 3.85 min Scan# 442
Delta R.T. -0.01 min
Lab File: VX010899.D
Acq: 16 Jul 2019 09:43

Tgt Ion	Ratio	Lower	Upper
45	100		
43	100.2	62.3	93.5#
87	29.0	25.0	37.4
59	14.6	9.9	14.9





#23

Vinyl Acetate

Concen: 4.547 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.00 min

Lab File: VX010899.D

Acq: 16 Jul 2019 09:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 30067

Ion Ratio Lower Upper

43 100

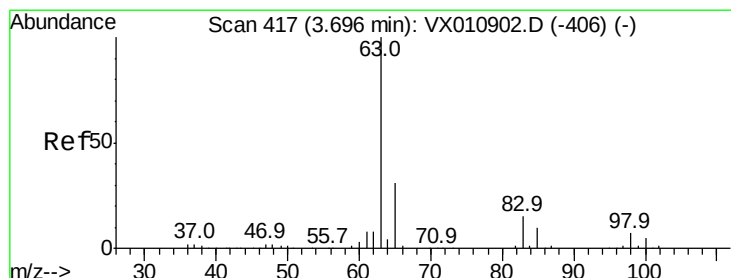
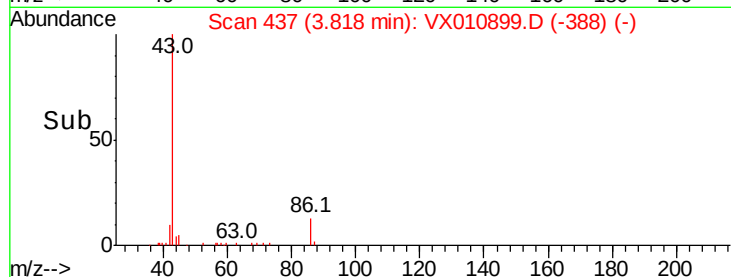
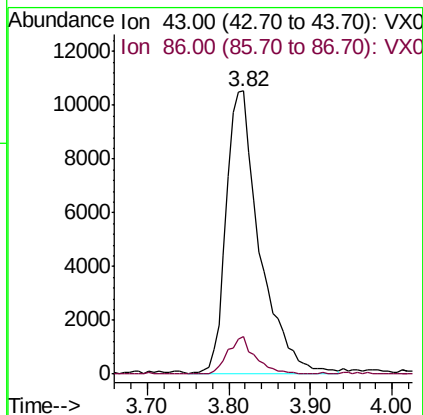
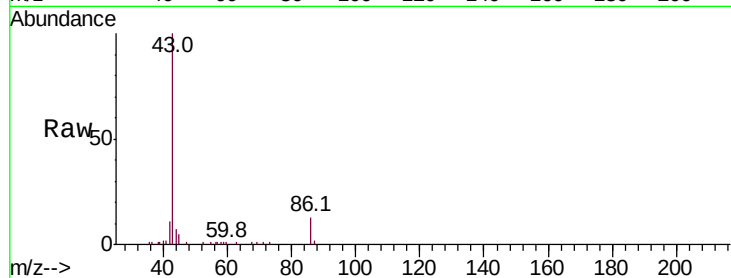
86 13.2 9.4 14.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 1.132 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.01 min

Lab File: VX010899.D

Acq: 16 Jul 2019 09:43

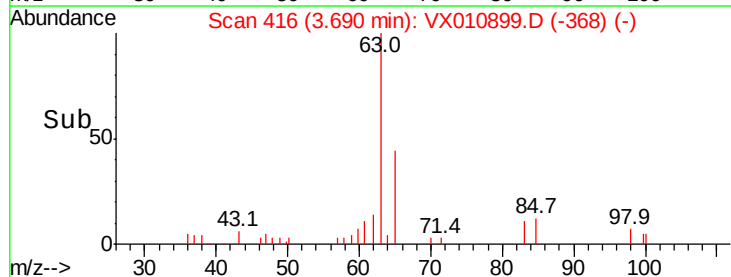
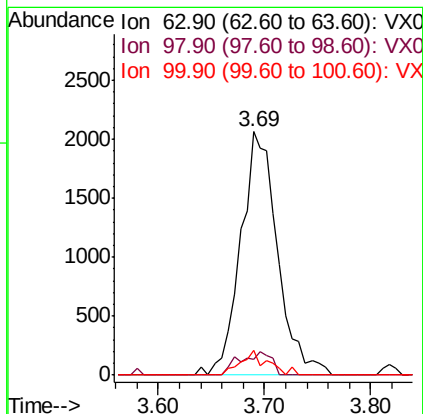
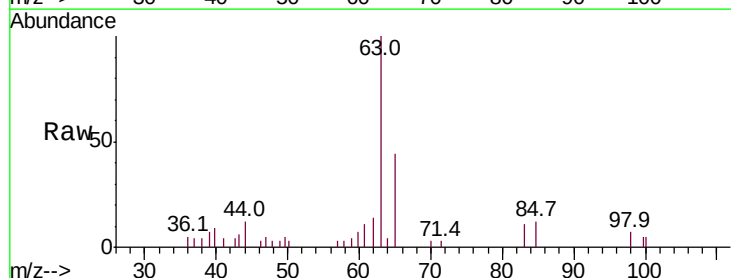
Tgt Ion: 63 Resp: 5006

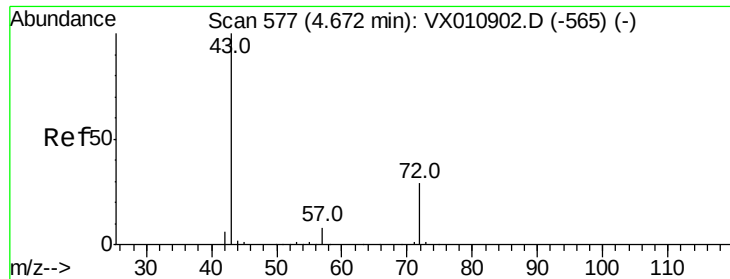
Ion Ratio Lower Upper

63 100

98 6.7 3.6 10.9

100 10.4 2.4 7.2#





#25

2-Butanone

Concen: 4.625 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX010899.D

Acq: 16 Jul 2019 09:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 9390

Ion Ratio Lower Upper

43 100

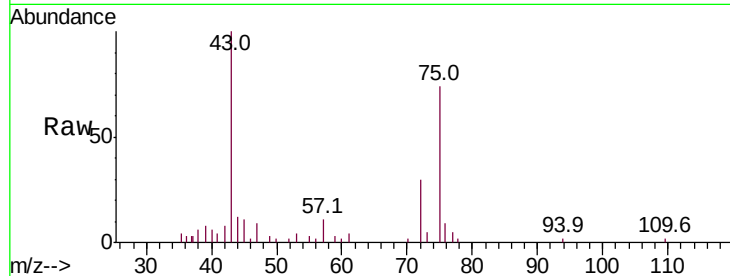
72 30.7 23.0 34.6

Manual Integrations

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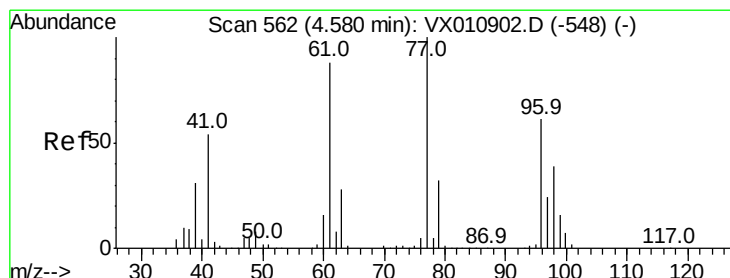
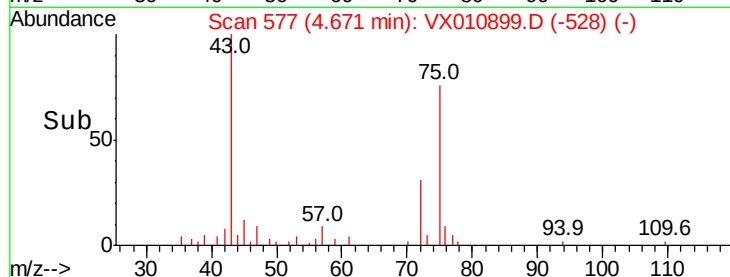
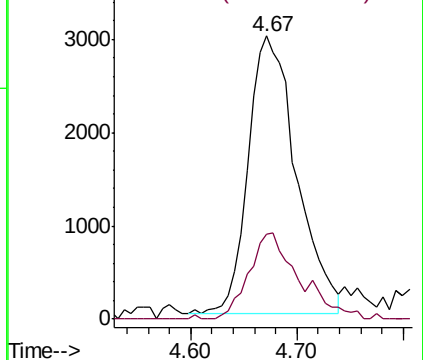
MMDadoda

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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: 1.048 ug/l

RT: 4.57 min Scan# 561

Delta R.T. -0.01 min

Lab File: VX010899.D

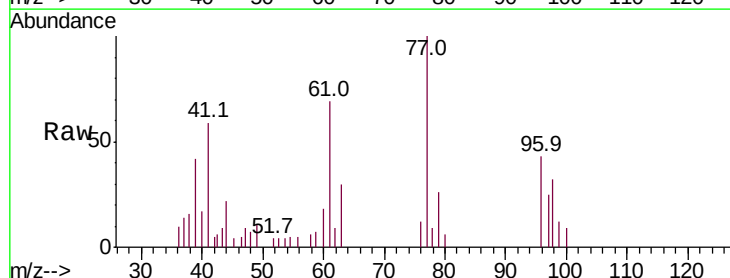
Acq: 16 Jul 2019 09:43

Tgt Ion: 77 Resp: 4010

Ion Ratio Lower Upper

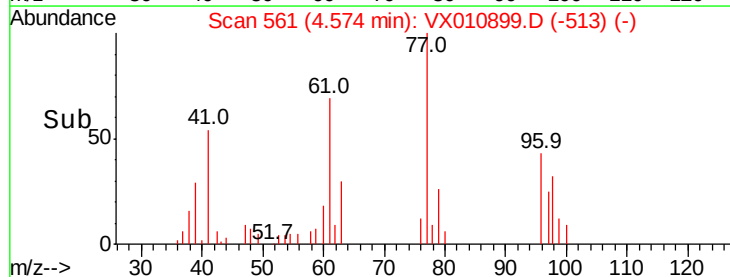
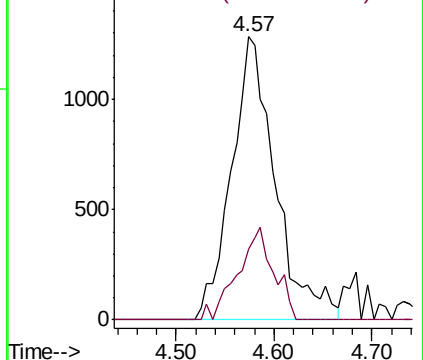
77 100

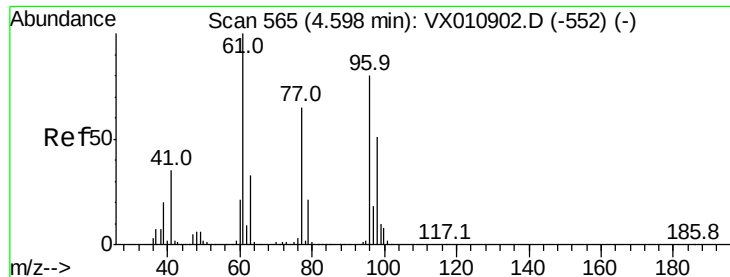
97 27.0 12.6 37.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

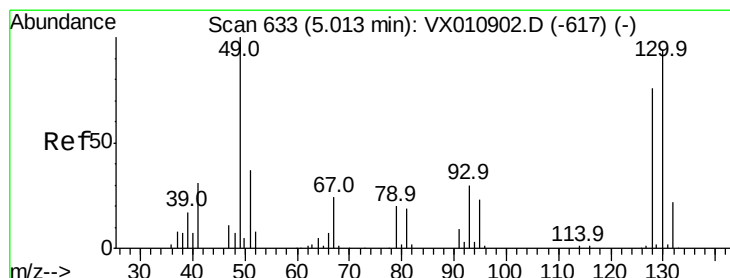
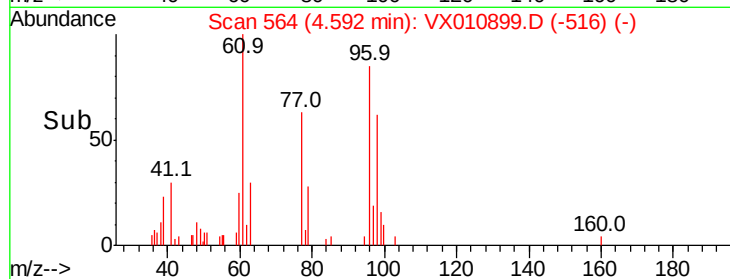
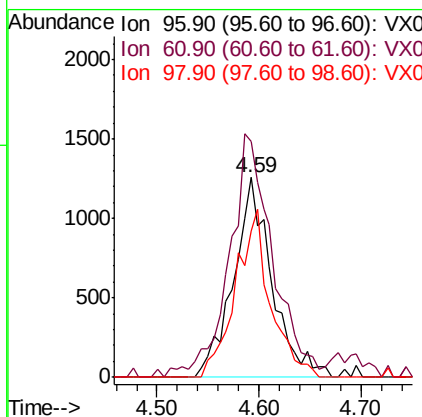
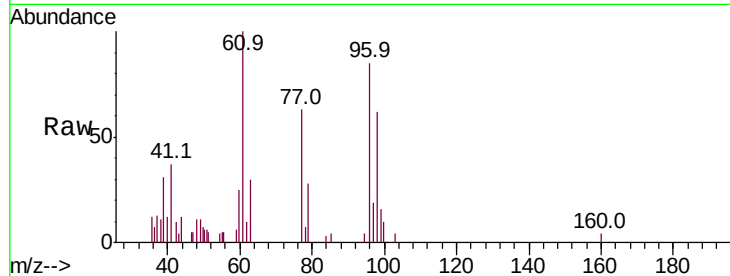
cis-1,2-Dichloroethene
 Concen: 1.035 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VX010899.D
 Acq: 16 Jul 2019 09:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.9	0.0	269.0
98	76.5	0.0	131.4

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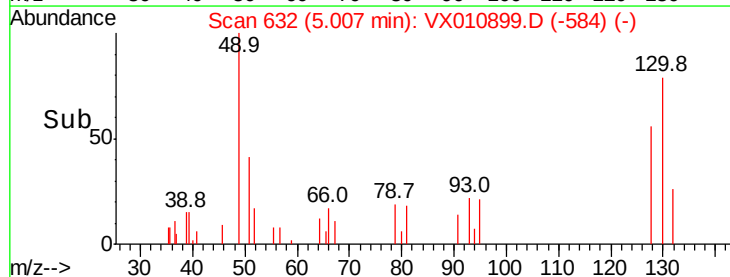
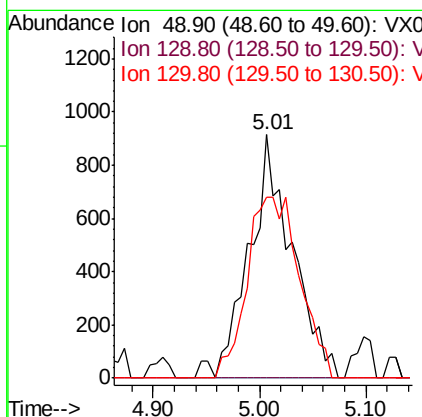
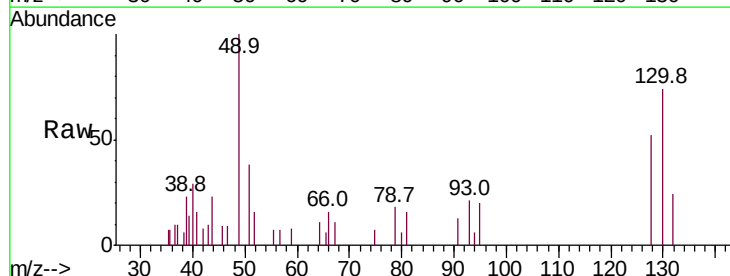
MMDadoda
 7/17/2019 10:44:52 AM

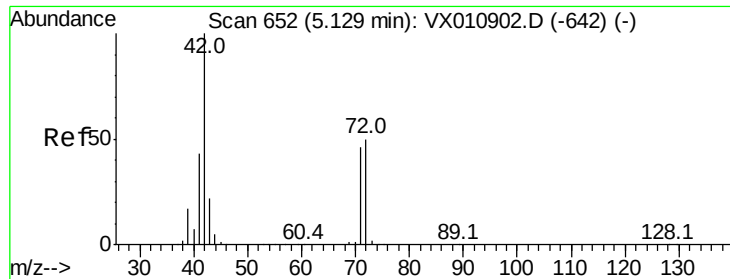


#28

Bromochloromethane
 Concen: 1.226 ug/l
 RT: 5.01 min Scan# 632
 Delta R.T. -0.01 min
 Lab File: VX010899.D
 Acq: 16 Jul 2019 09:43

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	5.2
130	90.5	76.9	115.3





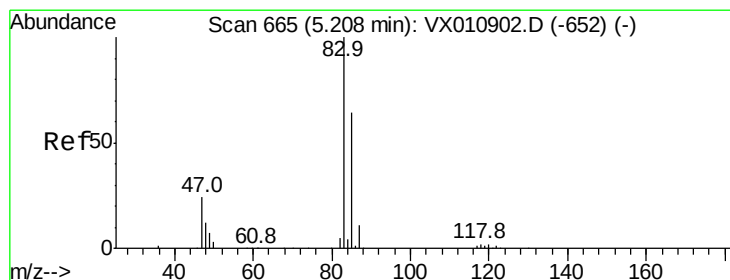
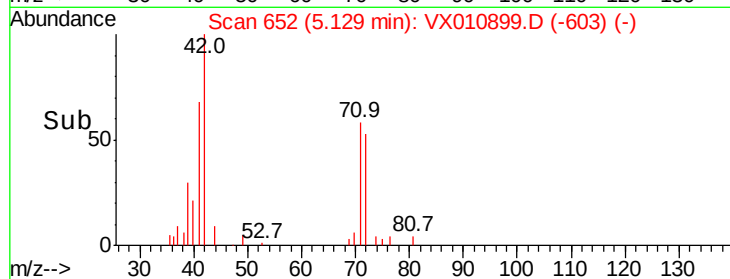
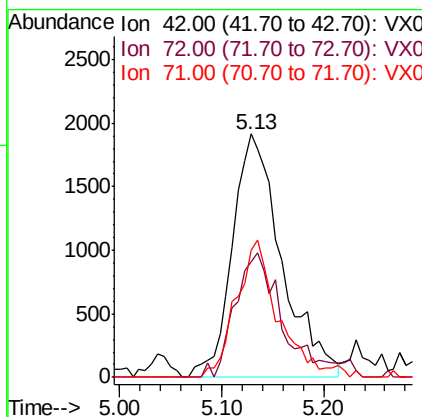
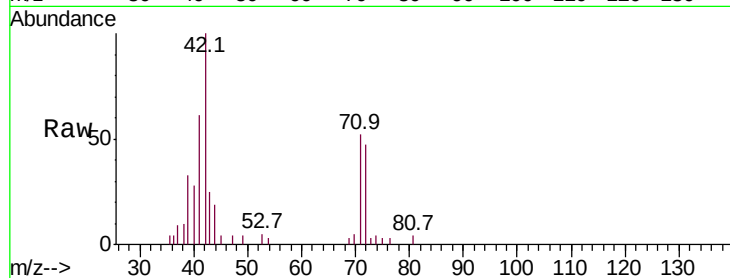
#29
Tetrahydrofuran
Concen: 5.094 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX010899.D
Acq: 16 Jul 2019 09:43

Instrument :
MSVOA_X
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.6	39.8	59.8
71	47.8	37.0	55.4

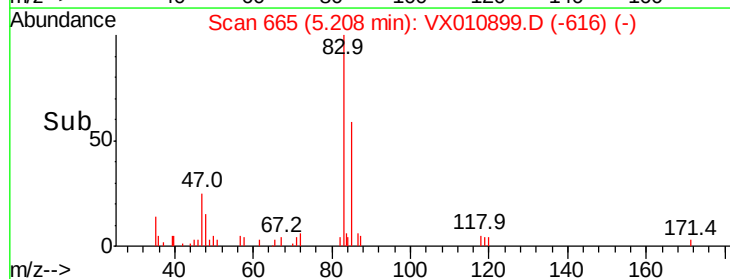
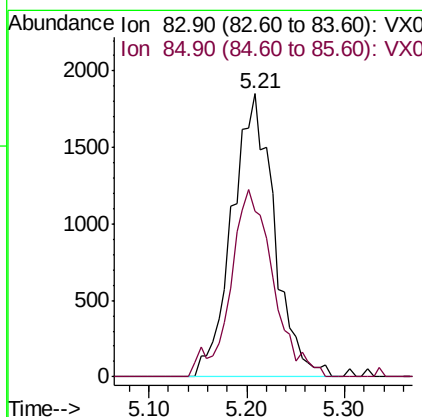
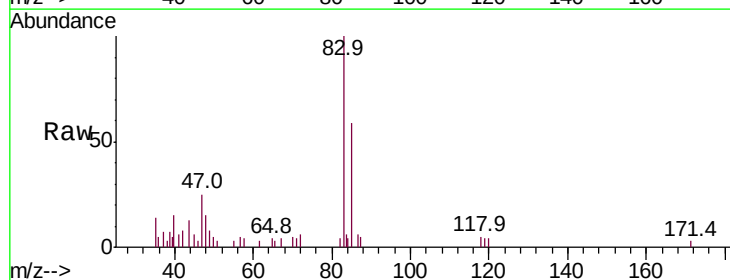
Manual Integrations
APPROVED

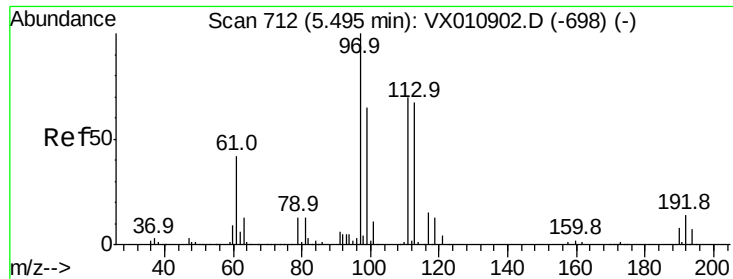
MMDadoda
7/17/2019 10:44:52 AM



#30
Chloroform
Concen: 1.160 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.00 min
Lab File: VX010899.D
Acq: 16 Jul 2019 09:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	58.5	51.4	77.0





#32

1,1,1-Trichloroethane

Concen: 1.053 ug/l

RT: 5.48 min Scan# 710

Delta R.T. -0.01 min

Lab File: VX010899.D

Acq: 16 Jul 2019 09:43

Instrument :

MSVOA_X

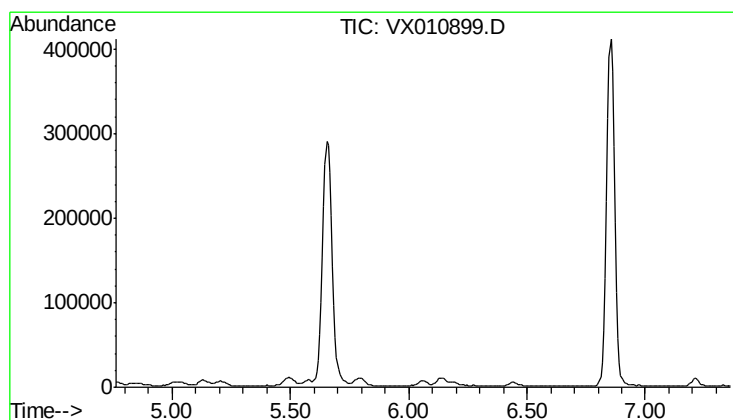
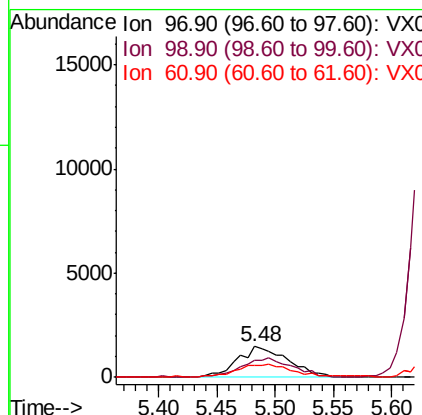
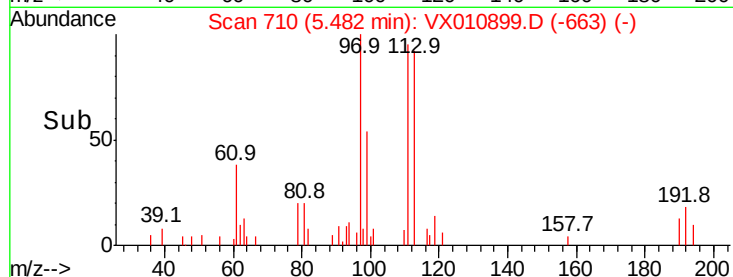
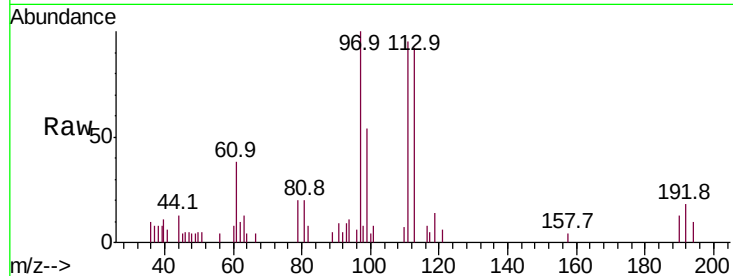
ClientSampleId :

VSTDIC001

Tot Ion:	97	Resp:	4430
Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.4	77.0#
61	46.7	33.0	49.6

Manual Integrations
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7/17/2019 10:44:52 AM



#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

Expected RT: 6.06 min

Lab File: VX010899.D

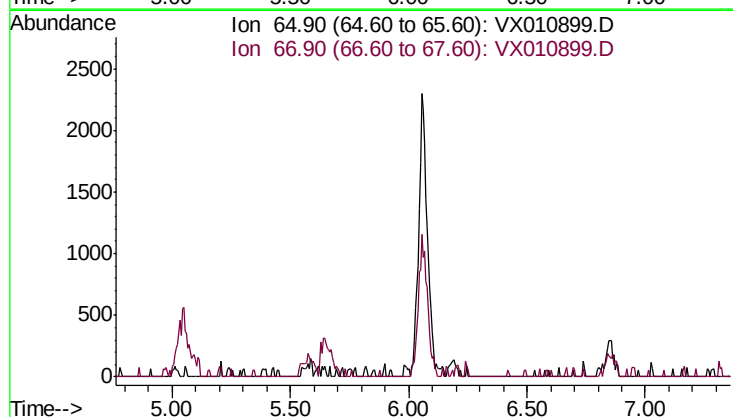
Acq: 16 Jul 2019 09:43

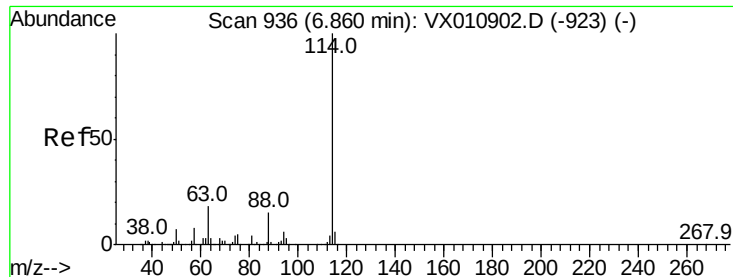
Tgt Ion: 65

Sig Exp Ratio

65 100

67 53.9





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX010899.D

Acq: 16 Jul 2019 09:43

Instrument :

MSVOA_X

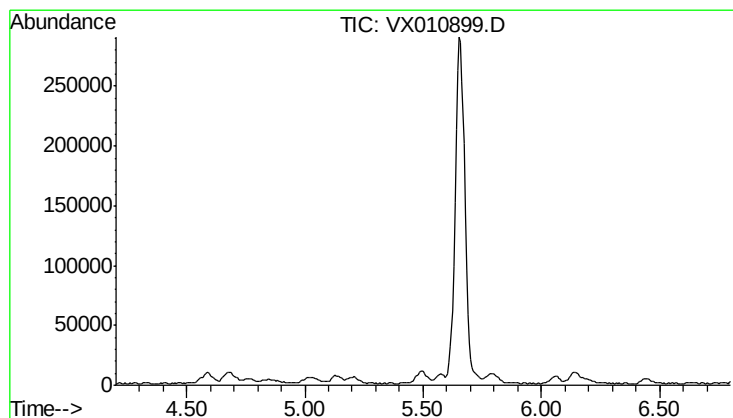
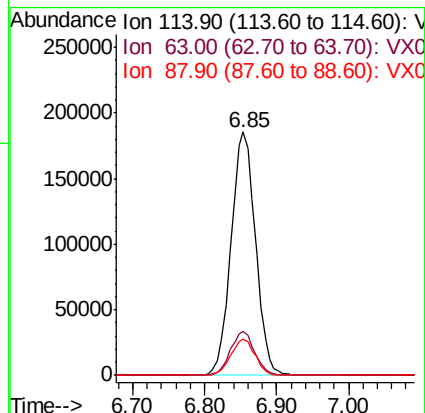
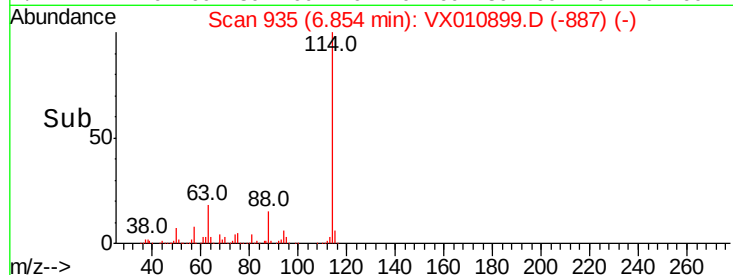
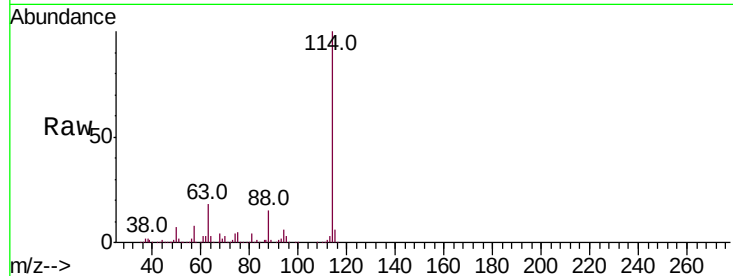
ClientSampleId :

VSTDIC001

Tot Ion:	114	Resp:	437898
Ion Ratio	Lower	Upper	
114	100		
63	18.1	0.0	35.6
88	14.9	0.0	29.8

Manual Integrations
APPROVED

MMDadoda
7/17/2019 10:44:52 AM



#35

Dibromofluoromethane

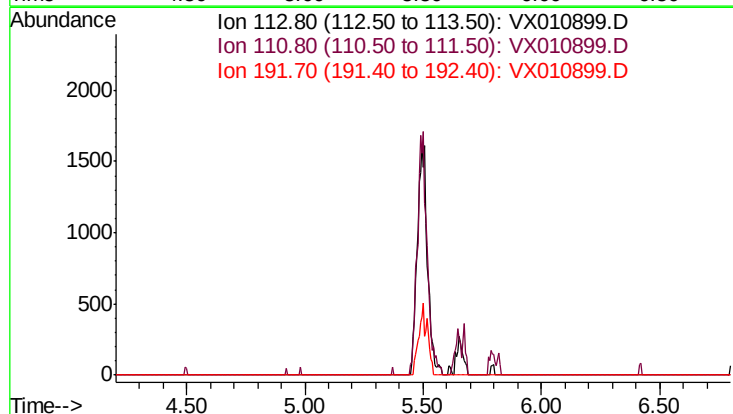
Concen: 0.000 ug/l

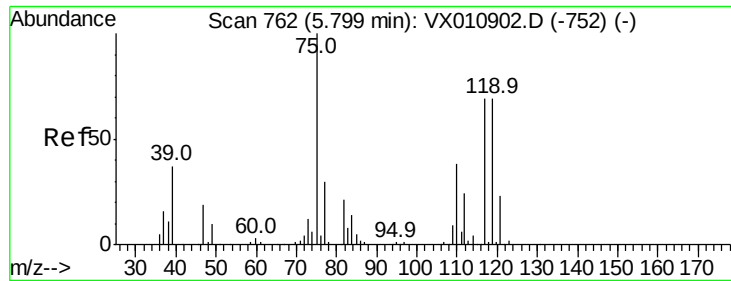
Expected RT: 5.50 min

Lab File: VX010899.D

Acq: 16 Jul 2019 09:43

Tgt Ion:	113
Sig	Exp Ratio
113	100
111	102.9
192	21.8





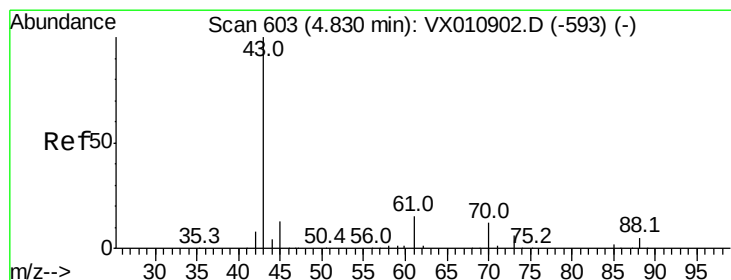
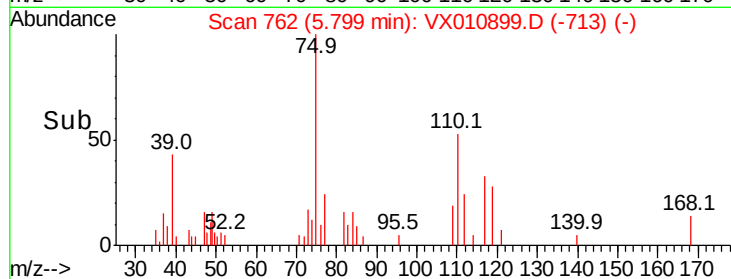
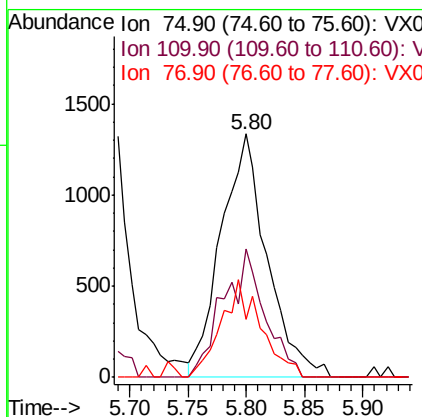
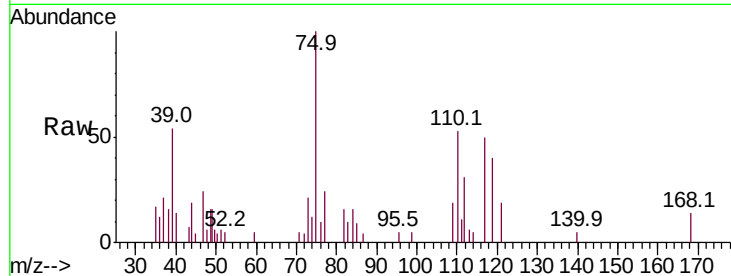
#36
 1,1-Dichloropropene
 Concen: 1.044 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX010899.D
 Acq: 16 Jul 2019 09:43

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
110	47.7	19.9	59.7
77	34.4	25.0	37.4

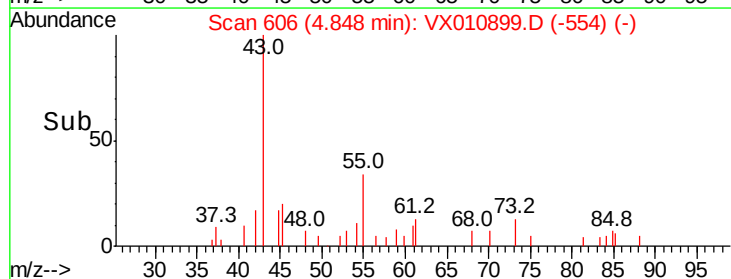
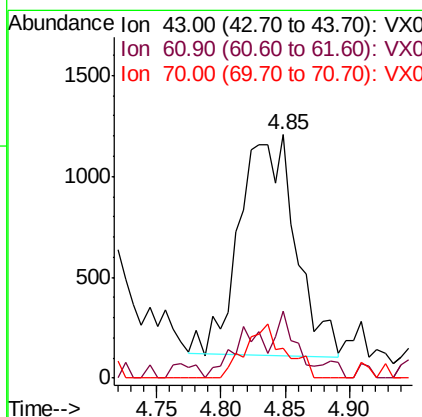
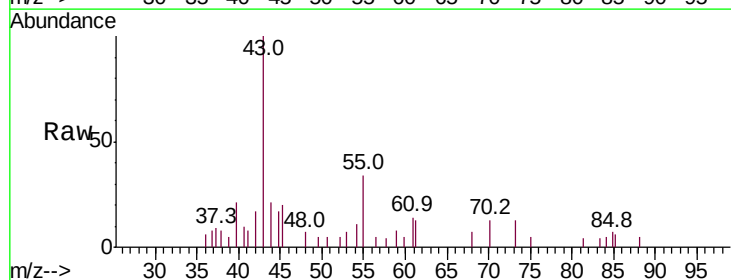
Manual Integrations
 APPROVED

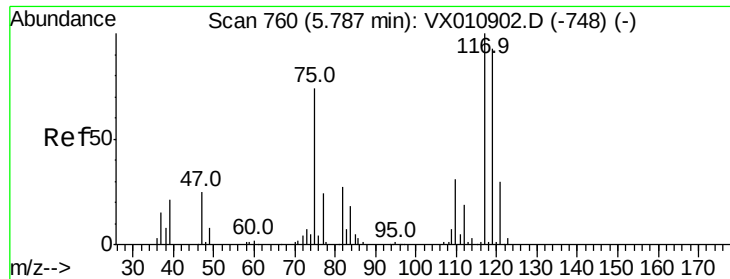
MMDadoda
 7/17/2019 10:44:52 AM



#37
 Ethyl Acetate
 Concen: 0.918 ug/l
 RT: 4.85 min Scan# 606
 Delta R.T. 0.02 min
 Lab File: VX010899.D
 Acq: 16 Jul 2019 09:43

Tgt Ion	Ratio	Lower	Upper
43	100		
61	11.4	11.6	17.4#
70	17.4	9.1	13.7#





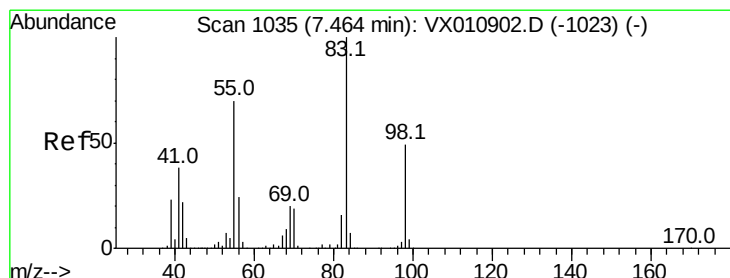
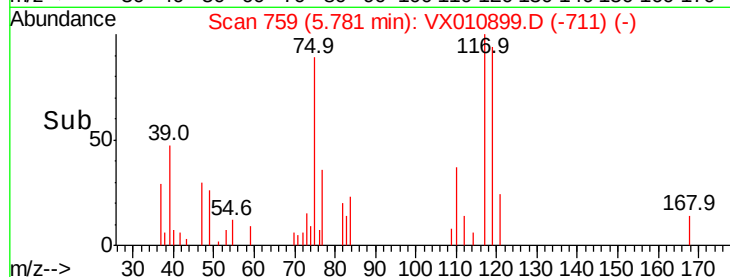
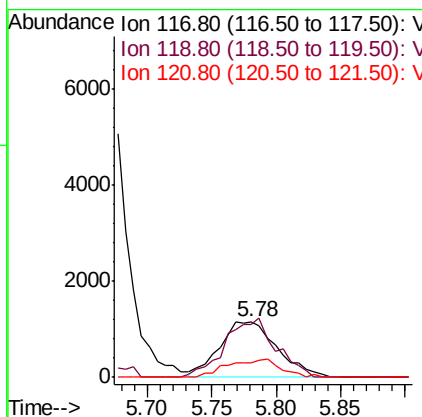
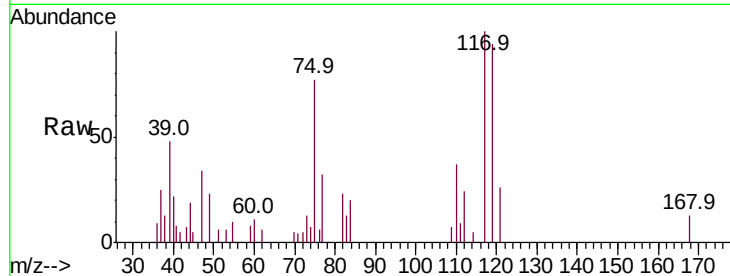
#38
Carbon Tetrachloride
Concen: 0.959 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX010899.D
Acq: 16 Jul 2019 09:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
117	100		
119	94.0	74.2	111.2
121	25.9	24.2	36.2

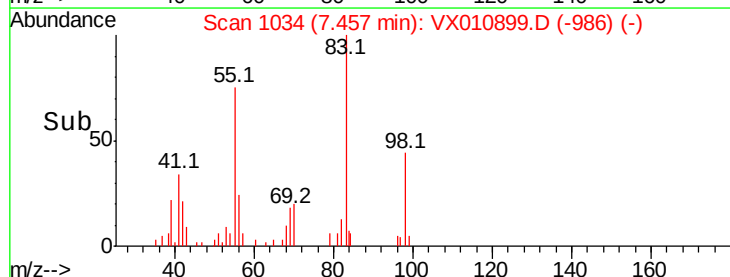
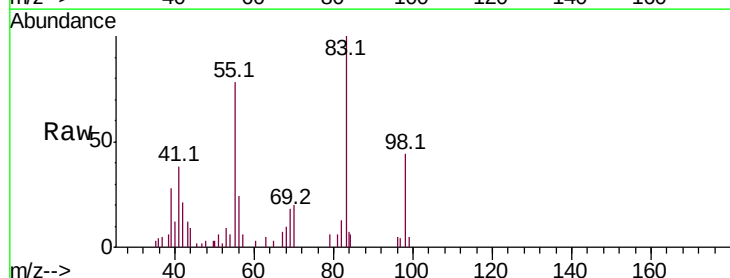
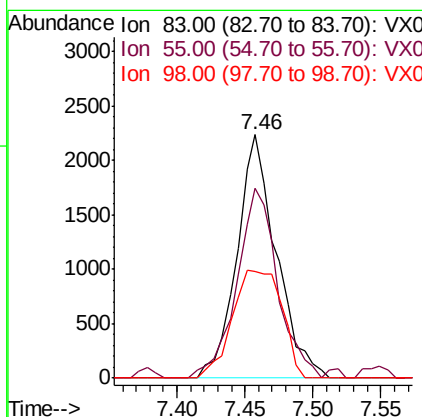
Manual Integrations
APPROVED

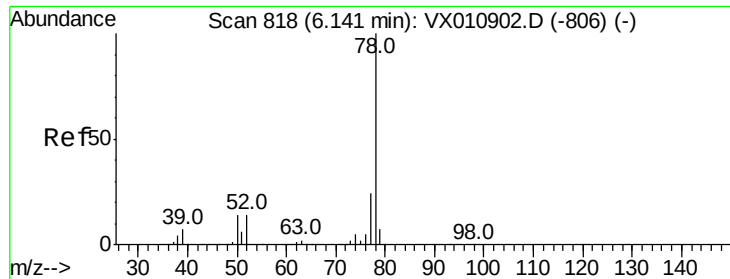
MMDadoda
7/17/2019 10:44:52 AM



#39
Methylcyclohexane
Concen: 0.981 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX010899.D
Acq: 16 Jul 2019 09:43

Tgt Ion	Ratio	Lower	Upper
83	100		
55	78.1	56.2	84.4
98	43.9	39.0	58.4





#40

Benzene

Concen: 1.046 ug/l

RT: 6.15 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX010899.D

Acq: 16 Jul 2019 09:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 78 Resp: 11350

Ion Ratio Lower Upper

78 100

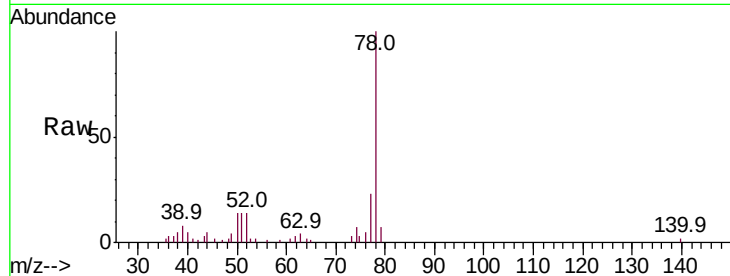
77 23.2 19.0 28.6

Manual Integrations

APPROVED

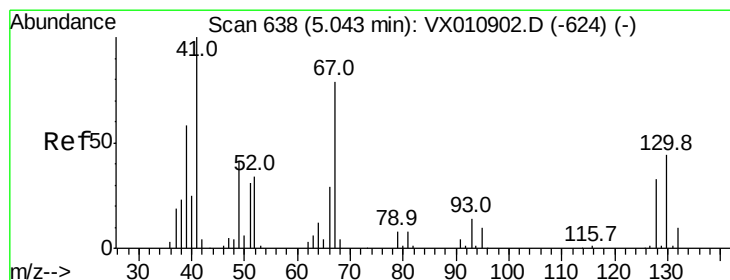
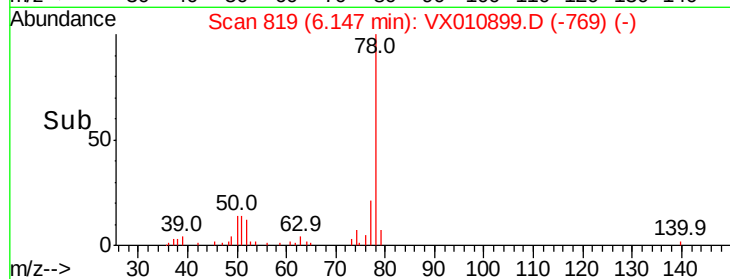
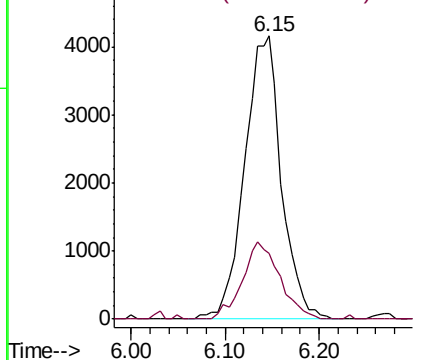
MMDadoda

7/17/2019 10:44:52 AM



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#41

Methacrylonitrile

Concen: 1.240 ug/l

RT: 5.04 min Scan# 637

Delta R.T. -0.01 min

Lab File: VX010899.D

Acq: 16 Jul 2019 09:43

Tgt Ion: 41 Resp: 2434

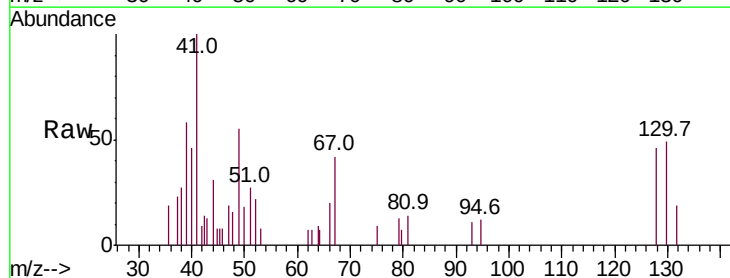
Ion Ratio Lower Upper

41 100

39 53.0 45.4 68.2

67 72.2 65.9 98.9

52 17.9 26.2 39.2#

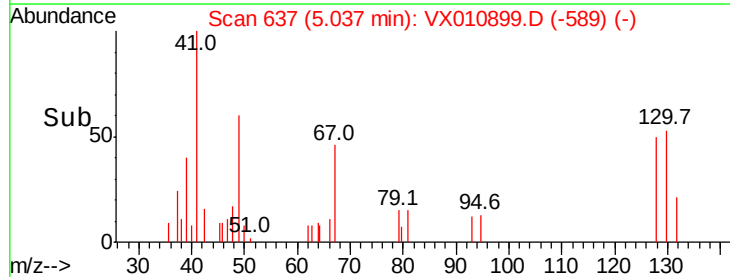
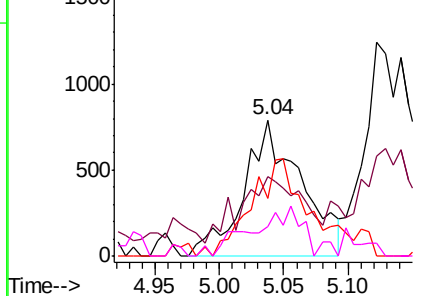


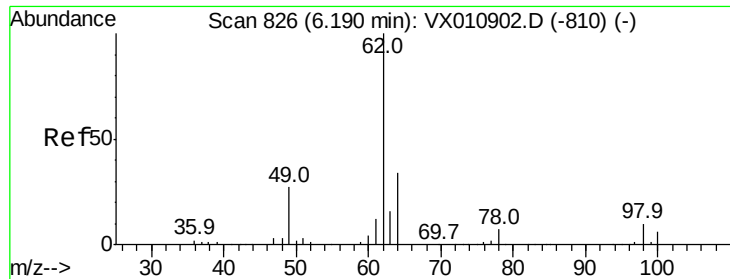
Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0





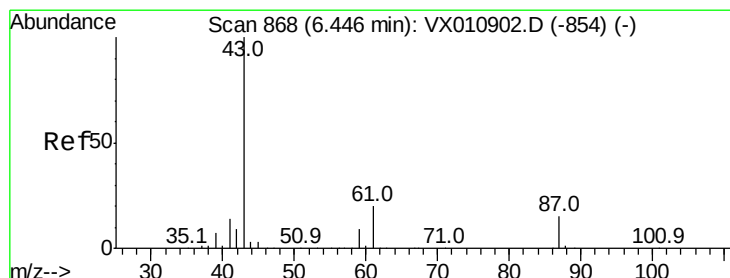
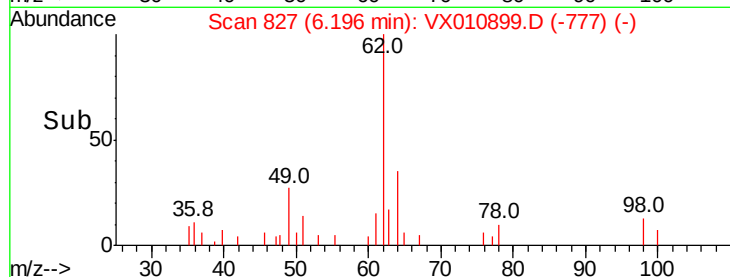
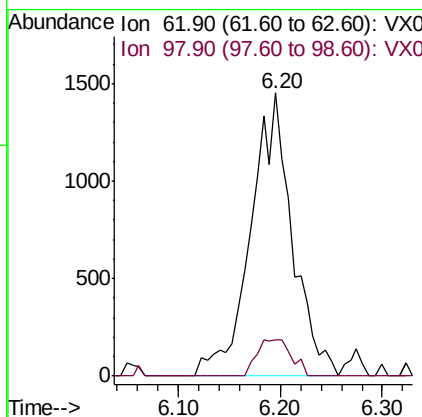
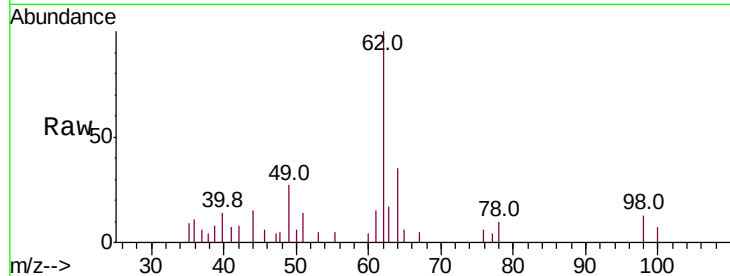
#42
 1,2-Dichloroethane
 Concen: 1.223 ug/l
 RT: 6.20 min Scan# 827
 Delta R.T. 0.01 min
 Lab File: VX010899.D
 Acq: 16 Jul 2019 09:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	20.0

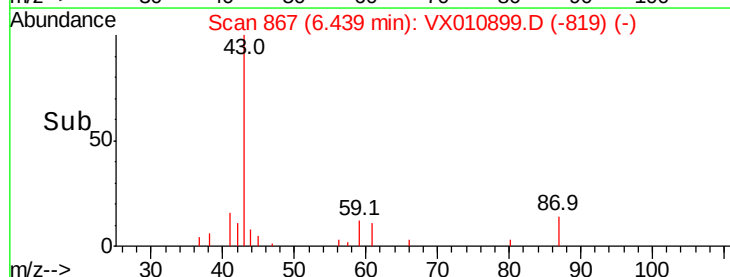
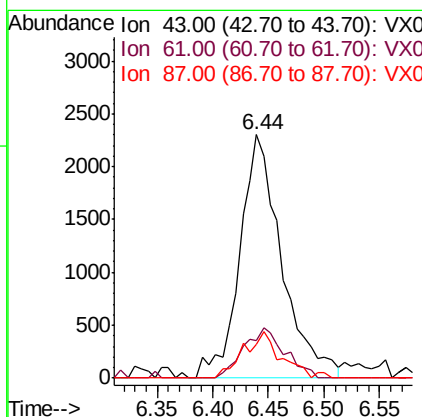
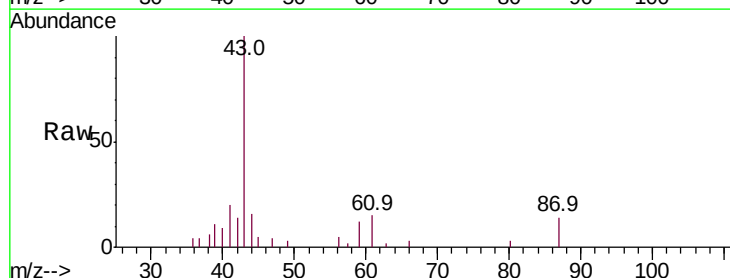
Manual Integrations
 APPROVED

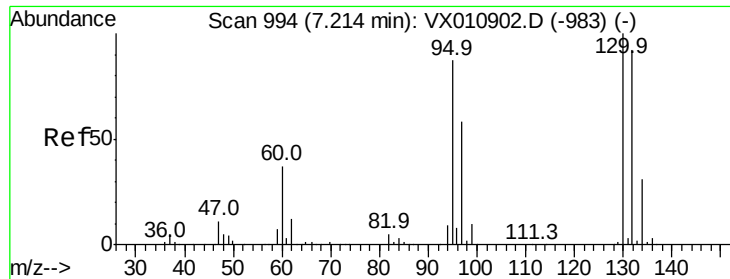
MMDadoda
 7/17/2019 10:44:52 AM



#43
 Isopropyl Acetate
 Concen: 1.017 ug/l
 RT: 6.44 min Scan# 867
 Delta R.T. -0.01 min
 Lab File: VX010899.D
 Acq: 16 Jul 2019 09:43

Tgt Ion	Ratio	Lower	Upper
43	100		
61	20.2	17.1	25.7
87	17.2	12.0	18.0





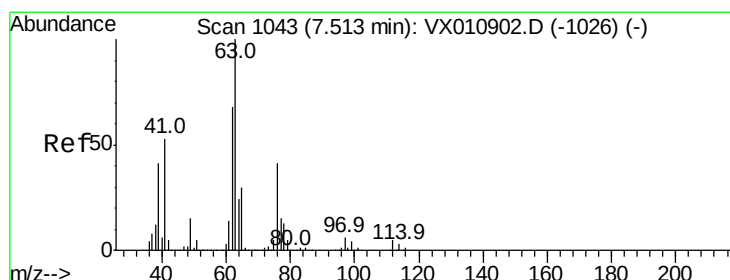
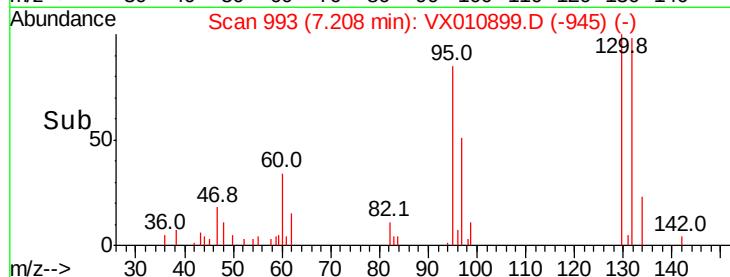
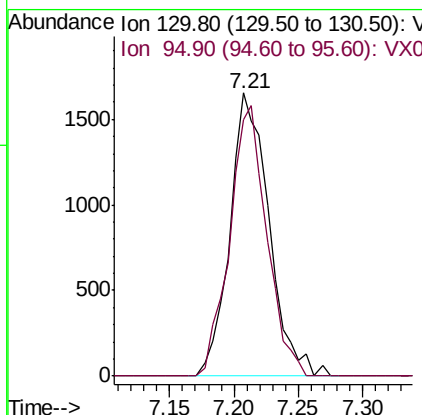
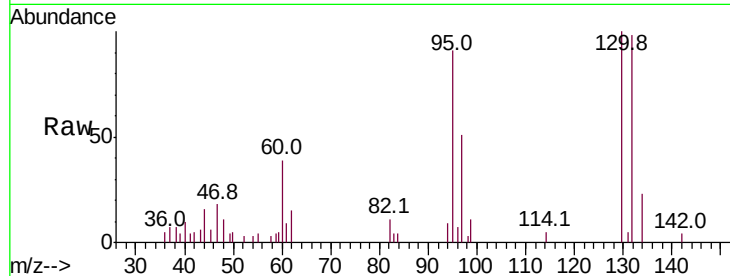
#44
 Trichloroethene
 Concen: 1.074 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: VX010899.D
 Acq: 16 Jul 2019 09:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion:130 Resp: 3478
 Ion Ratio Lower Upper
 130 100
 95 90.6 0.0 174.8

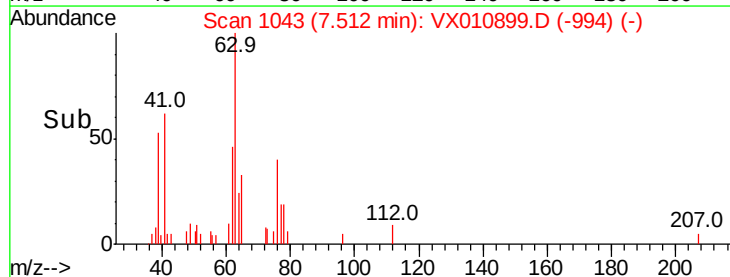
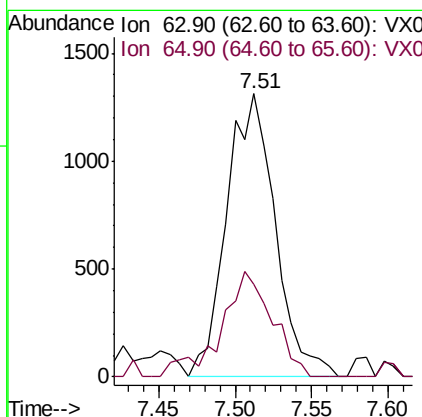
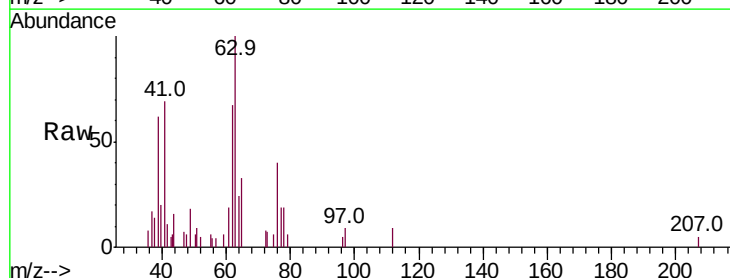
Manual Integrations
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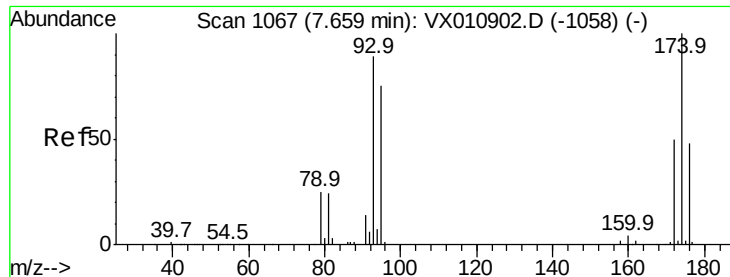
MMDadoda
 7/17/2019 10:44:52 AM



#45
 1,2-Dichloropropane
 Concen: 1.054 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX010899.D
 Acq: 16 Jul 2019 09:43

Tgt Ion: 63 Resp: 2892
 Ion Ratio Lower Upper
 63 100
 65 32.9 24.4 36.6





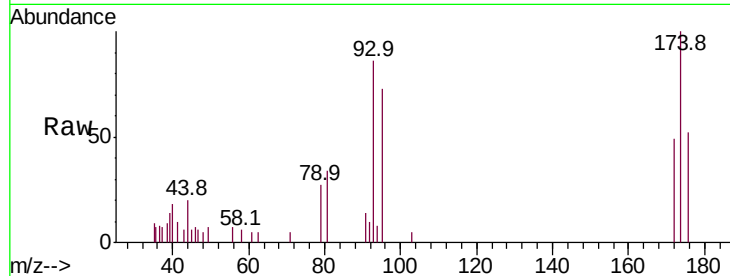
#46
Dibromomethane
Concen: 0.994 ug/l
RT: 7.66 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VX010899.D
Acq: 16 Jul 2019 09:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
93	100		
95	99.1	67.2	100.8
174	115.4	90.6	135.8

Manual Integrations
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MMDadoda
7/17/2019 10:44:52 AM

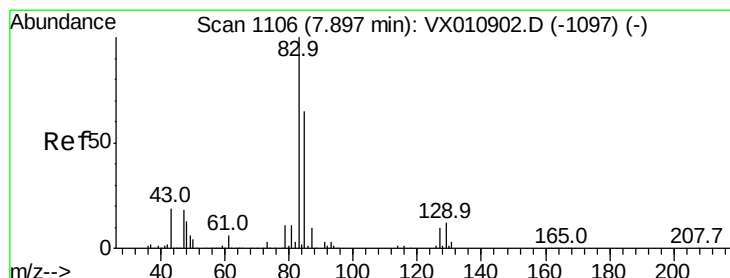
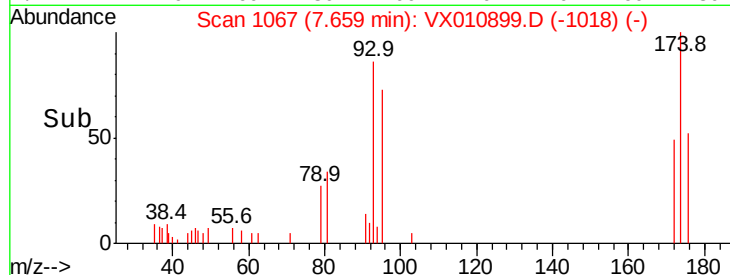
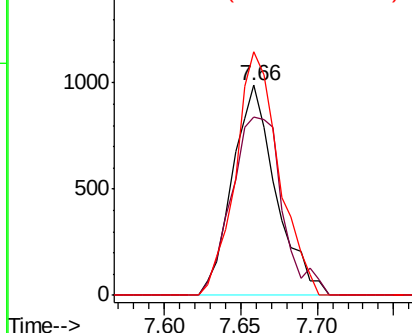


Abundance

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: 0.920 ug/l
RT: 7.89 min Scan# 1105
Delta R.T. -0.01 min
Lab File: VX010899.D
Acq: 16 Jul 2019 09:43

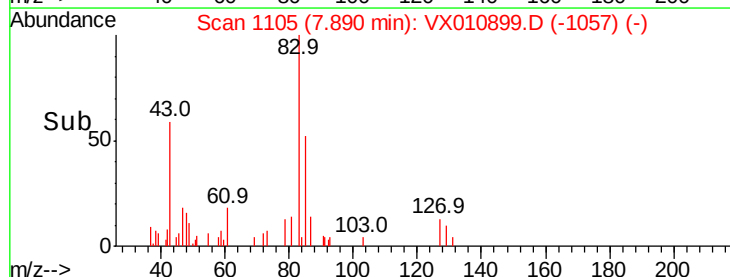
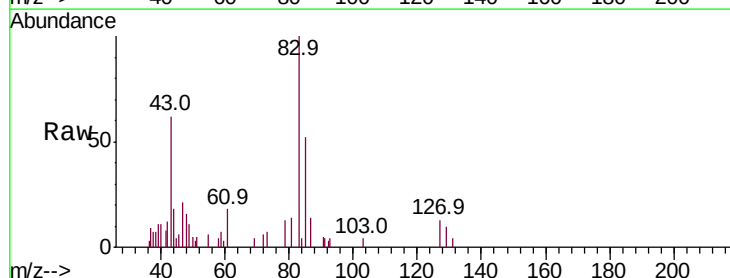
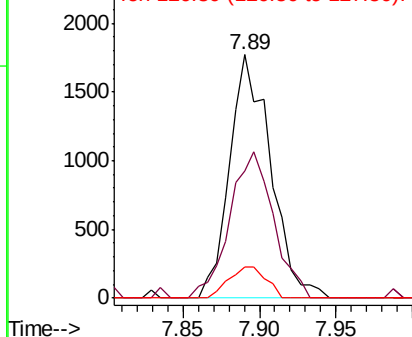
Tgt Ion	Ratio	Lower	Upper
83	100		
85	52.2	52.5	78.7#
127	12.9	7.8	11.8#

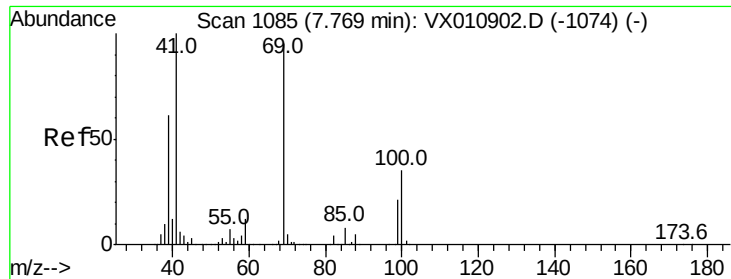
Abundance

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V





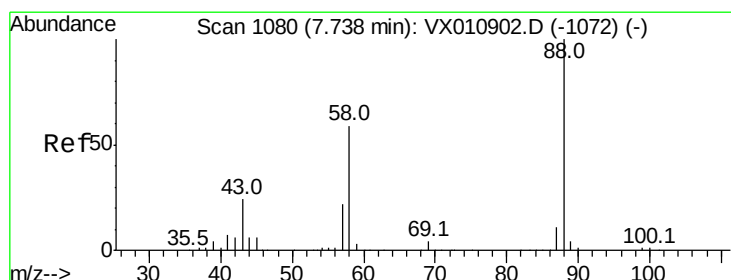
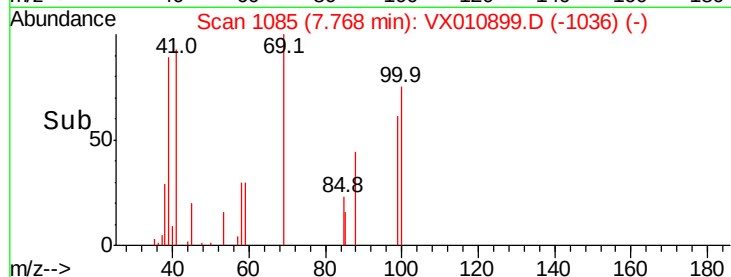
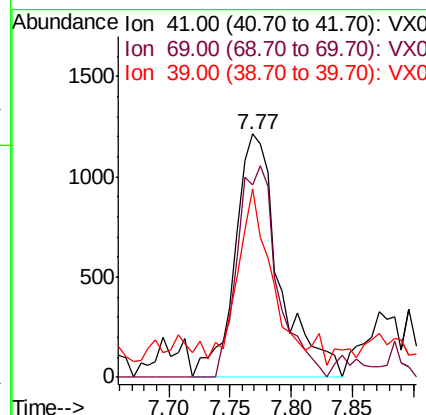
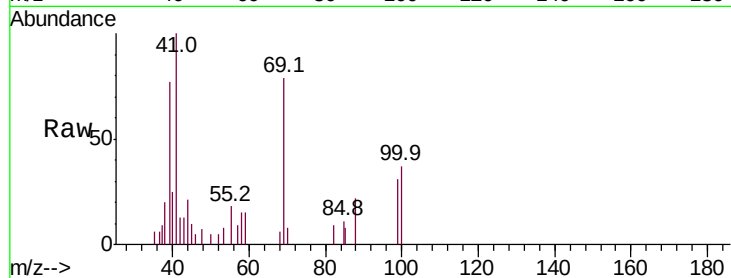
#48
Methvl methacrylate
Concen: 1.102 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. -0.00 min
Lab File: VX010899.D
Acq: 16 Jul 2019 09:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
69	79.2	74.4	111.6
39	65.1	48.9	73.3

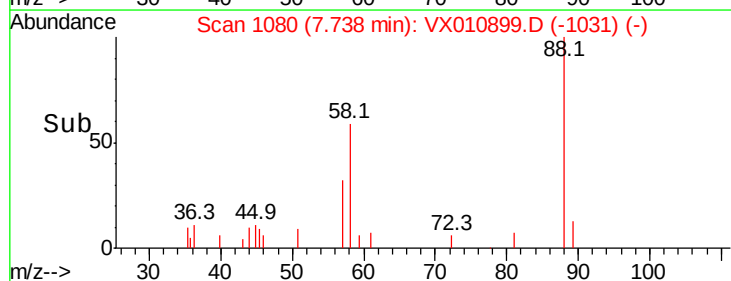
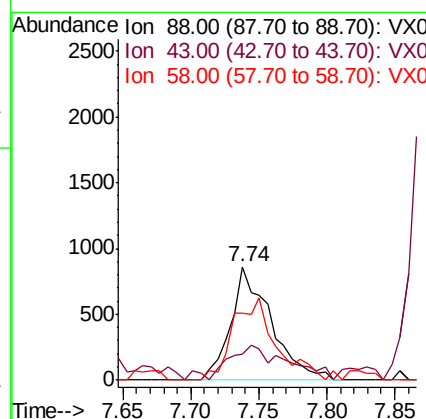
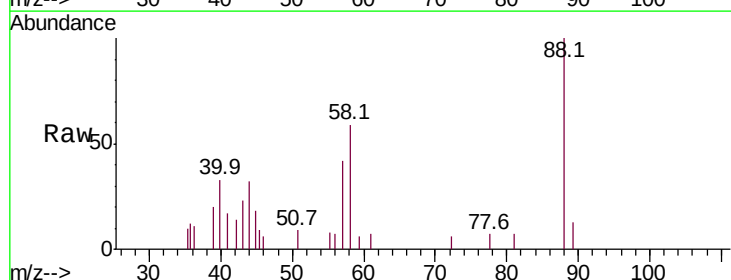
Manual Integrations
APPROVED

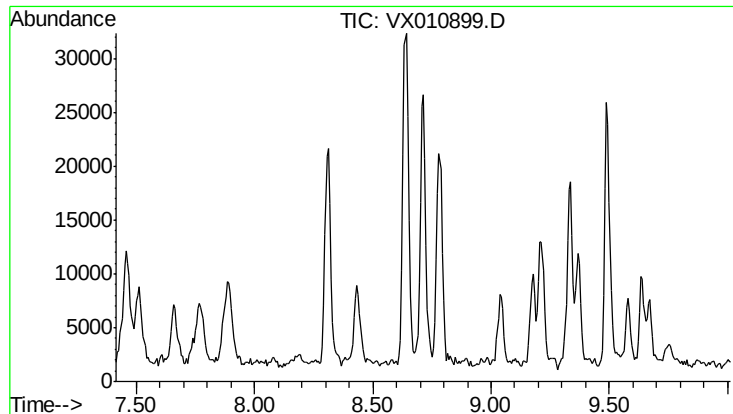
MMDadoda
7/17/2019 10:44:52 AM



#49
1,4-Dioxane
Concen: 22.306 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX010899.D
Acq: 16 Jul 2019 09:43

Tgt Ion	Ratio	Lower	Upper
88	100		
43	46.6	22.9	34.3#
58	76.4	49.8	74.8#





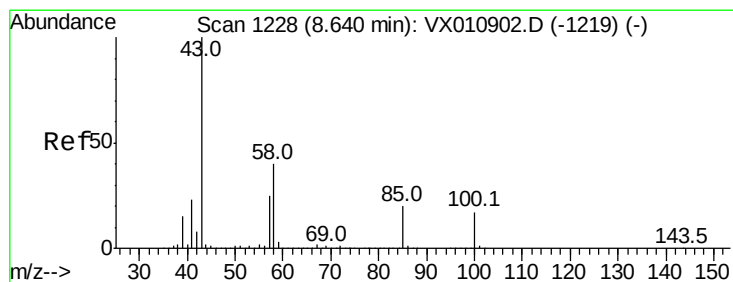
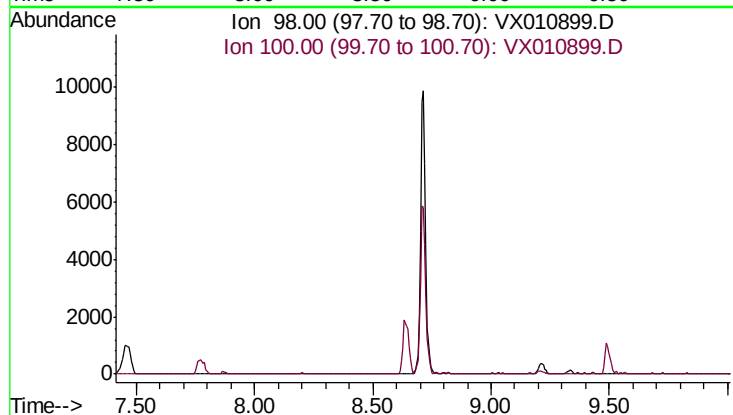
#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 8.71 min
Lab File: VX010899.D
Acq: 16 Jul 2019 09:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion: 98
Sig Exp Ratio
98 100
100 63.2

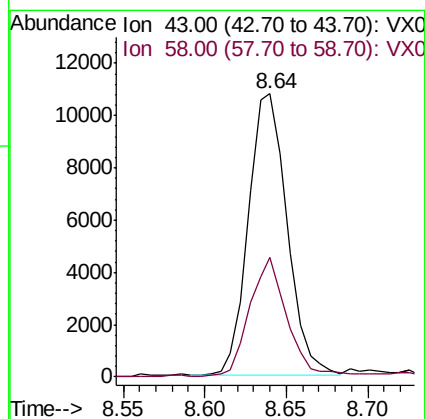
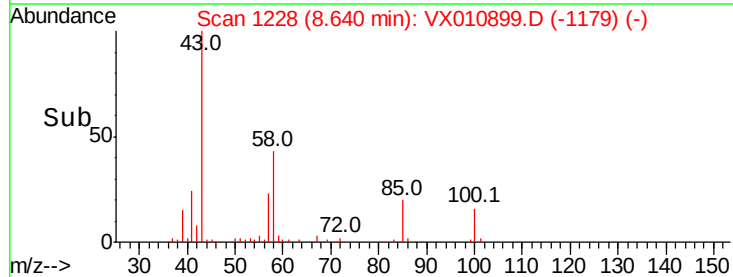
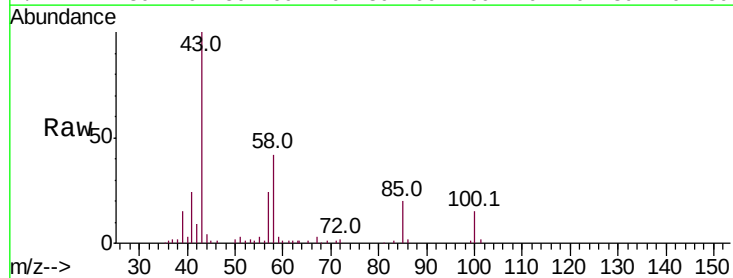
Manual Integrations
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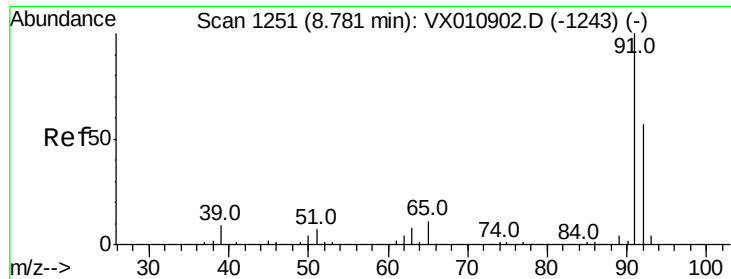
MMDadoda
7/17/2019 10:44:52 AM



#51
4-Methyl-2-Pentanone
Concen: 4.679 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX010899.D
Acq: 16 Jul 2019 09:43

Tgt Ion: 43 Resp: 17822
Ion Ratio Lower Upper
43 100
58 41.7 32.2 48.4





#52

Toluene

Concen: 1.029 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX010899.D

Acq: 16 Jul 2019 09:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 92 Resp: 7345

Ion Ratio Lower Upper

92 100

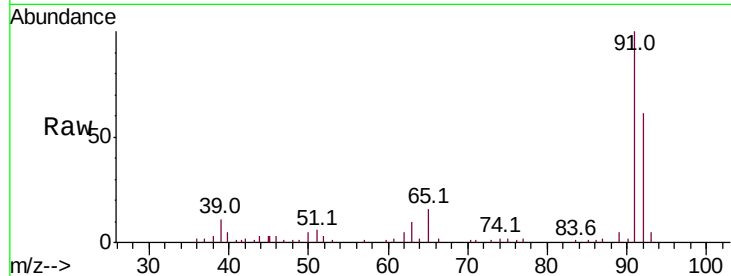
91 170.7 139.4 209.0

Manual Integrations

APPROVED

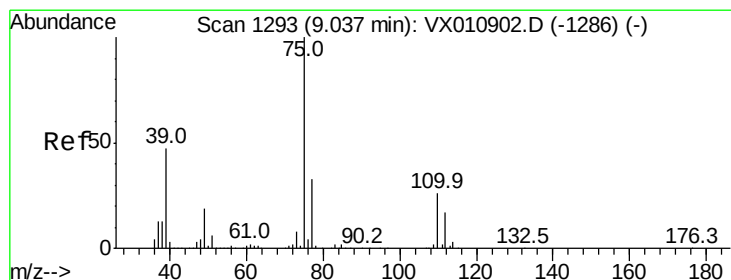
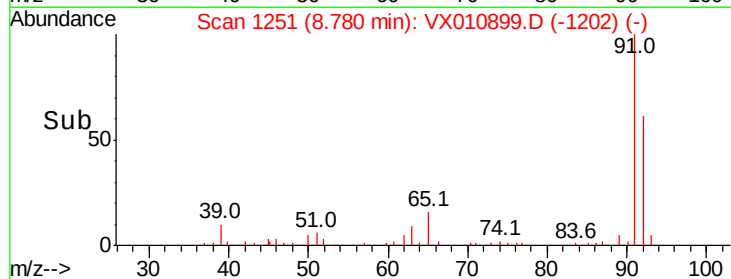
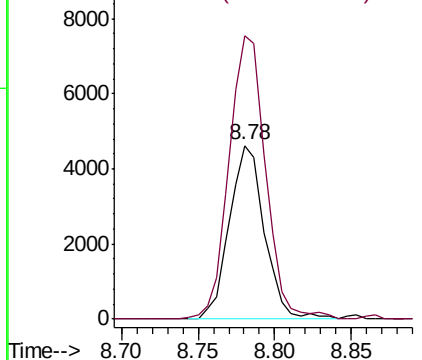
MMDadoda

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Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#53

t-1,3-Dichloropropene

Concen: 0.800 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.01 min

Lab File: VX010899.D

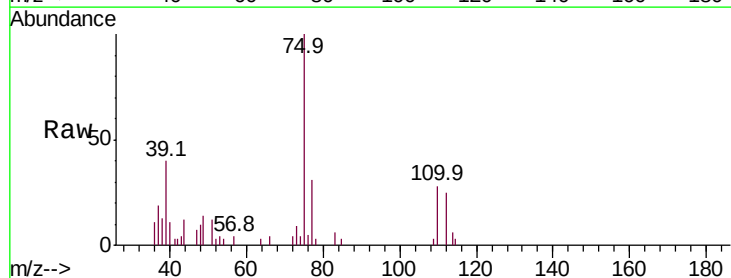
Acq: 16 Jul 2019 09:43

Tgt Ion: 75 Resp: 3213

Ion Ratio Lower Upper

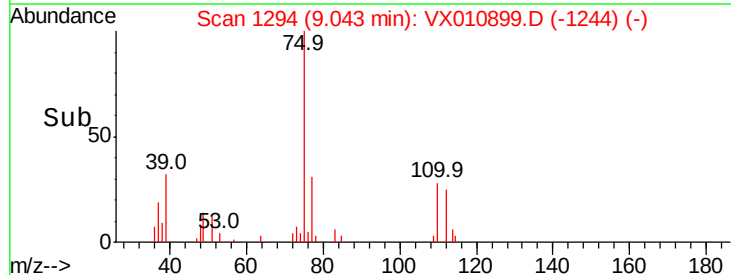
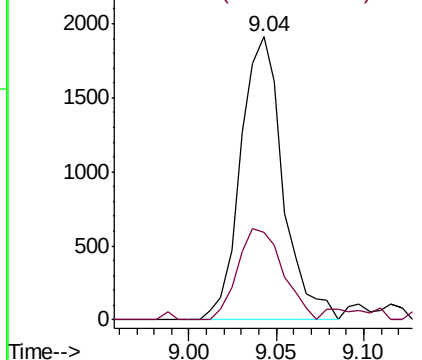
75 100

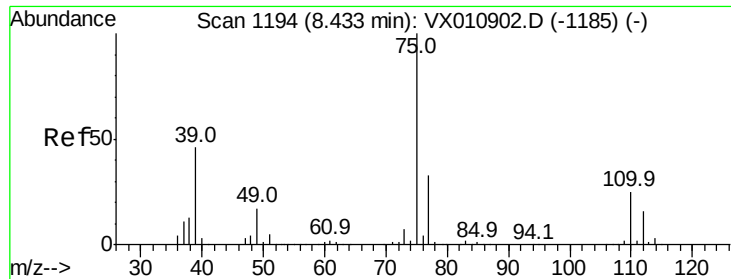
77 30.8 26.2 39.2



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0





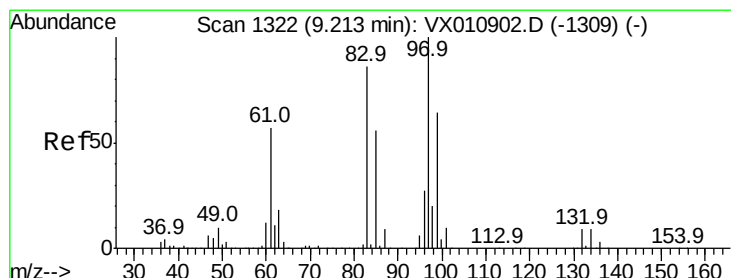
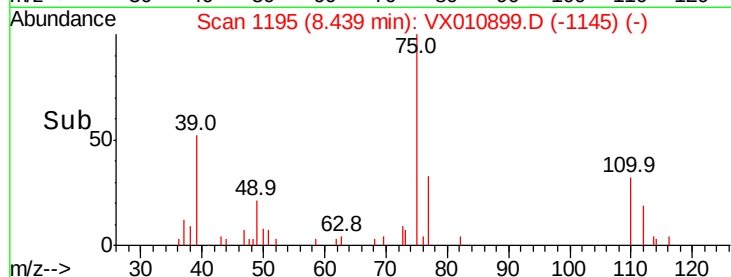
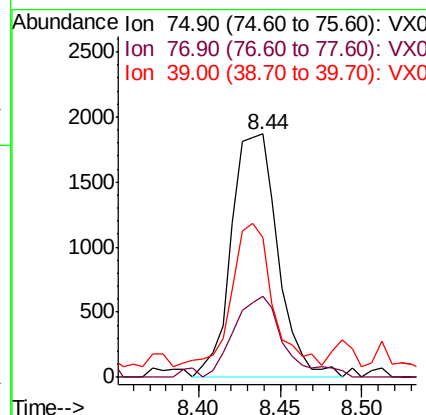
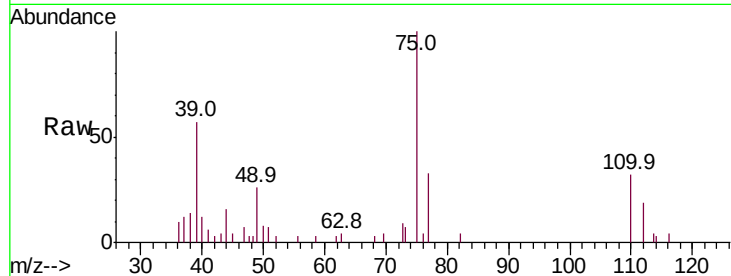
#54
 cis-1,3-Dichloropropene
 Concen: 0.848 ug/l
 RT: 8.44 min Scan# 1195
 Delta R.T. 0.01 min
 Lab File: VX010899.D
 Acq: 16 Jul 2019 09:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion:	75	Resp:	3714
Ion	Ratio	Lower	Upper
75	100		
77	30.2	26.1	39.1
39	50.2	36.6	54.8

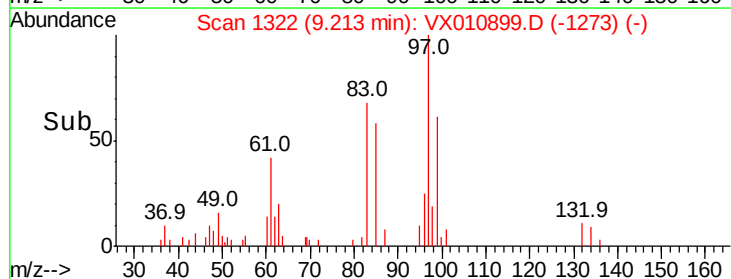
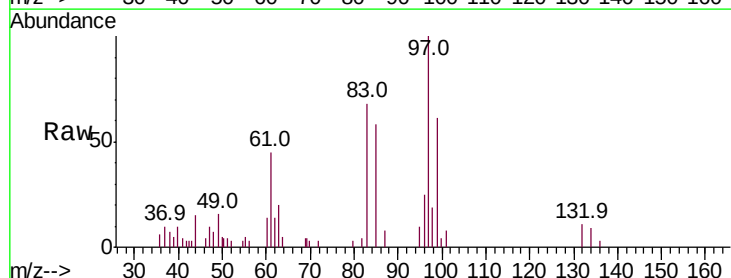
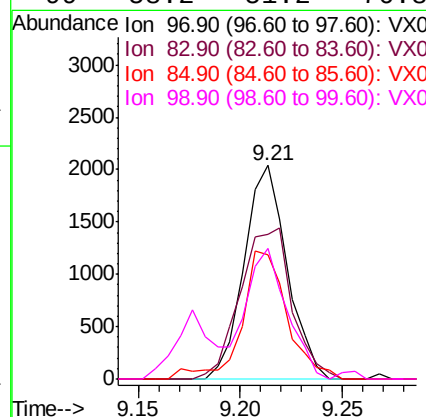
Manual Integrations
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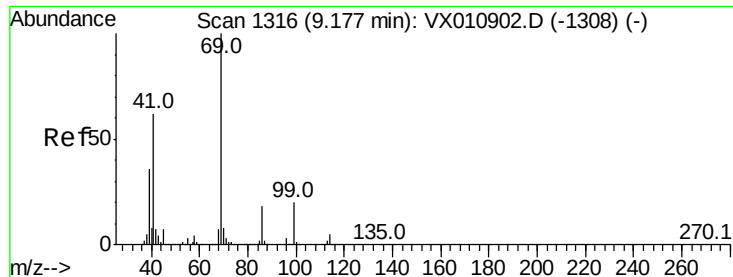
MMDadoda
 7/17/2019 10:44:52 AM



#55
 1,1,2-Trichloroethane
 Concen: 1.014 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX010899.D
 Acq: 16 Jul 2019 09:43

Tgt Ion:	97	Resp:	2978
Ion	Ratio	Lower	Upper
97	100		
83	67.6	69.2	103.8#
85	58.2	44.6	66.8
99	58.2	51.2	76.8





#56

Ethyl methacrylate

Concen: 0.833 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX010899.D

Acq: 16 Jul 2019 09:43

Instrument :

MSVOA_X

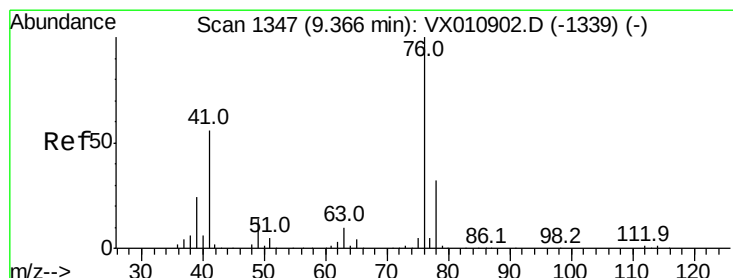
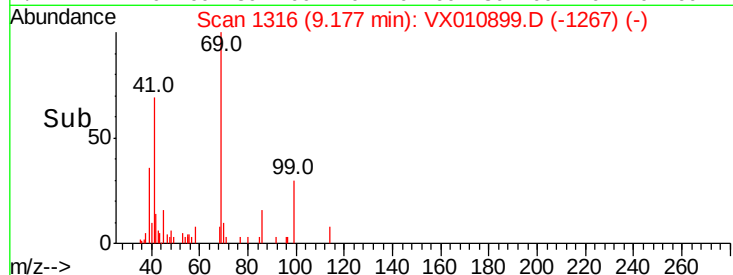
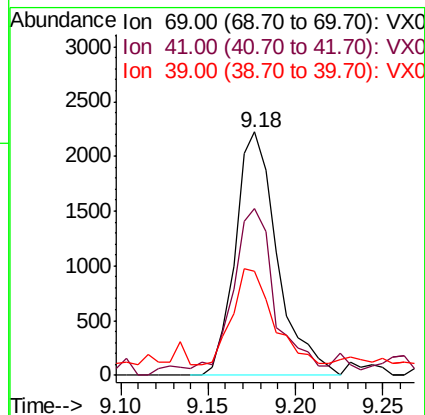
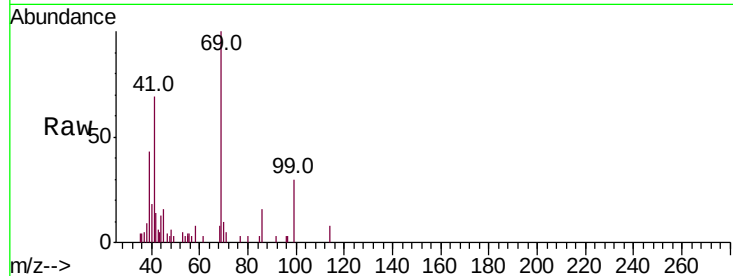
ClientSampled :

VSTDIC001

Tot Ion:	69	Resp:	3708
Ion	Ratio	Lower	Upper
69	100		
41	72.6	49.7	74.5
39	38.5	29.6	44.4

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#57

1,3-Dichloropropane

Concen: 1.039 ug/l

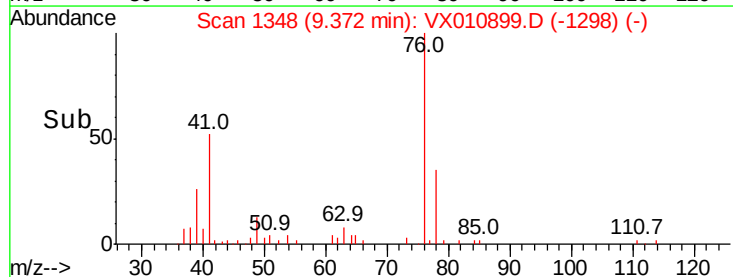
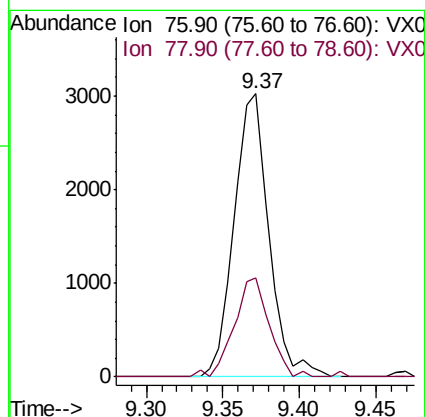
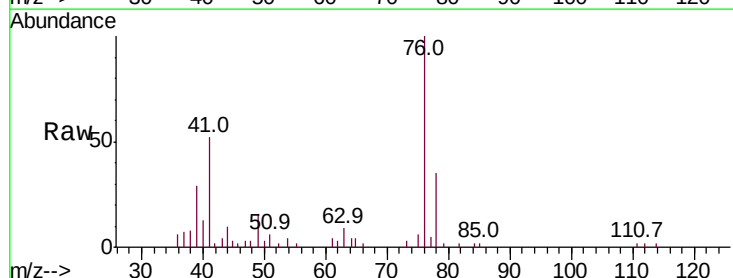
RT: 9.37 min Scan# 1348

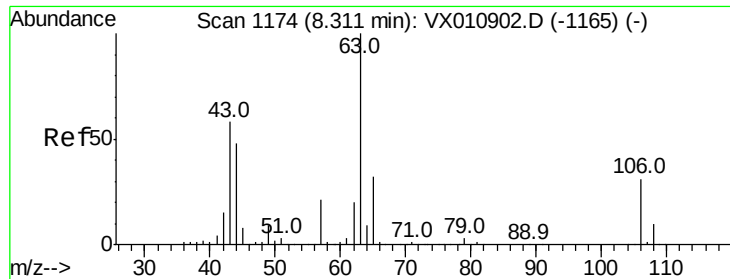
Delta R.T. 0.01 min

Lab File: VX010899.D

Acq: 16 Jul 2019 09:43

Tgt Ion:	76	Resp:	4757
Ion	Ratio	Lower	Upper
76	100		
78	35.2	25.6	38.4





#58

2-Chloroethyl Vinyl ether

Concen: 3.999 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX010899.D

Acq: 16 Jul 2019 09:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 63 Resp: 8423

Ion Ratio Lower Upper

63 100

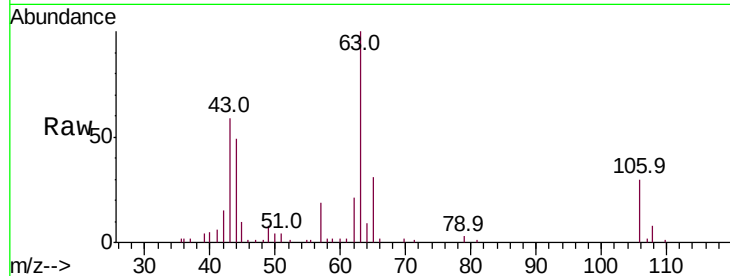
106 29.6 24.0 36.0

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

6000

5000

4000

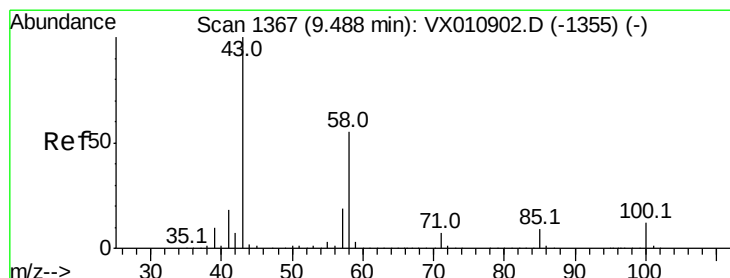
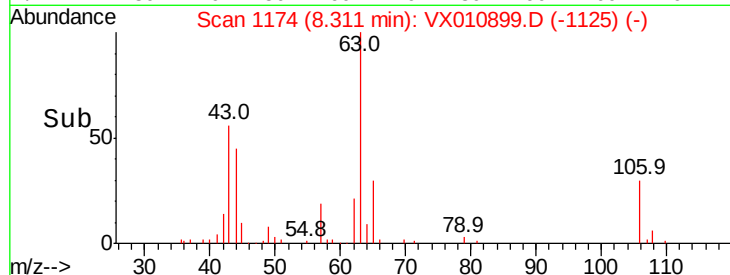
3000

2000

1000

0

Time-->



#59

2-Hexanone

Concen: 4.425 ug/l

RT: 9.49 min Scan# 1368

Delta R.T. 0.01 min

Lab File: VX010899.D

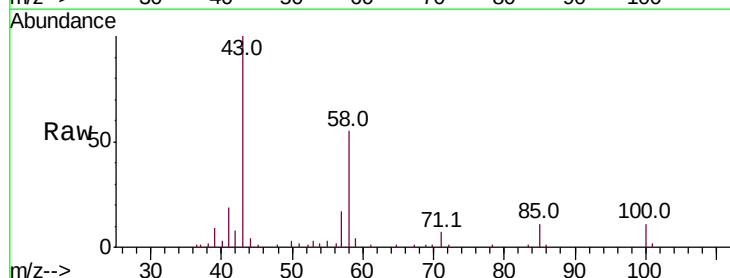
Acq: 16 Jul 2019 09:43

Tgt Ion: 43 Resp: 13264

Ion Ratio Lower Upper

43 100

58 59.3 28.0 83.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

10000

8000

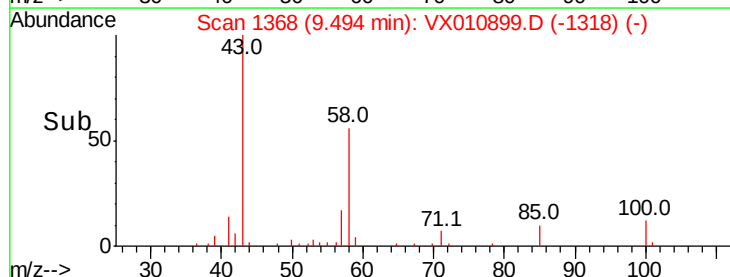
6000

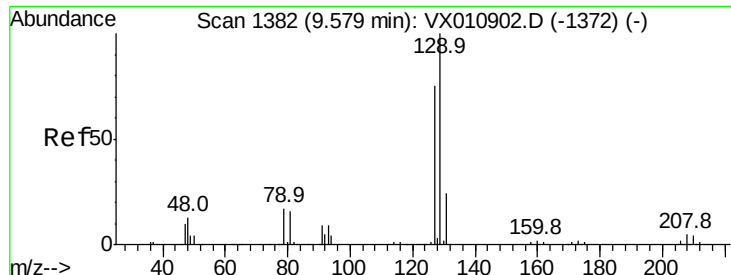
4000

2000

0

Time-->





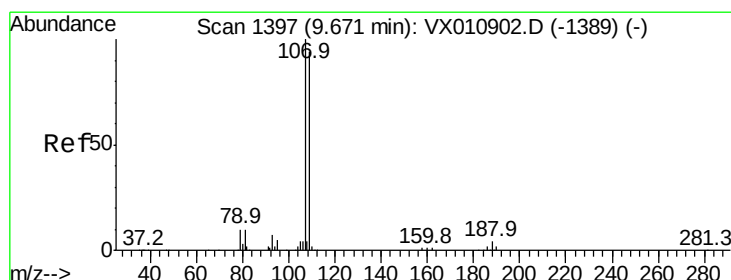
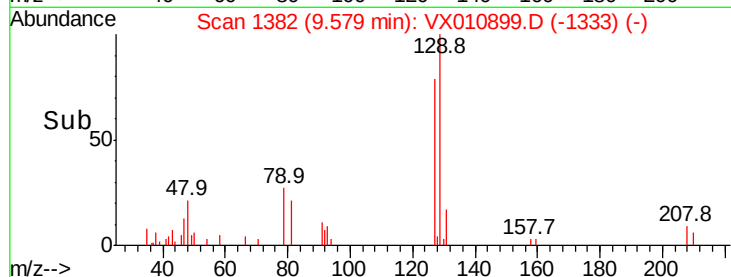
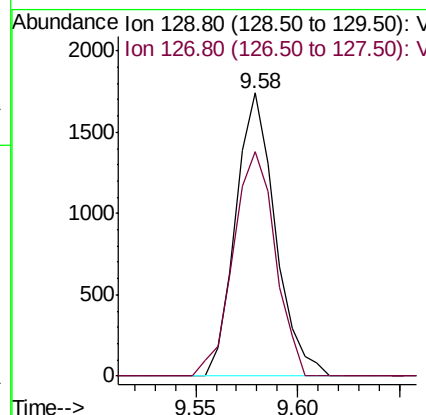
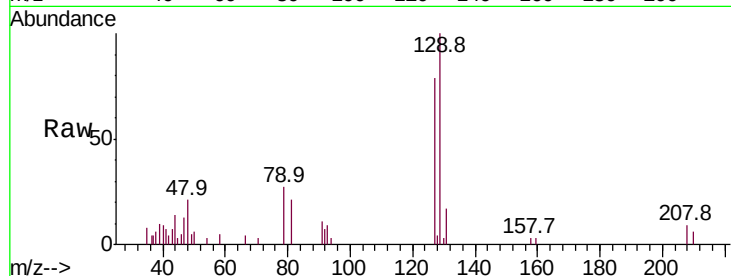
#60
Dibromochloromethane
Concen: 0.718 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX010899.D
Acq: 16 Jul 2019 09:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion:129 Resp: 2347
Ion Ratio Lower Upper
129 100
127 83.9 38.6 115.8

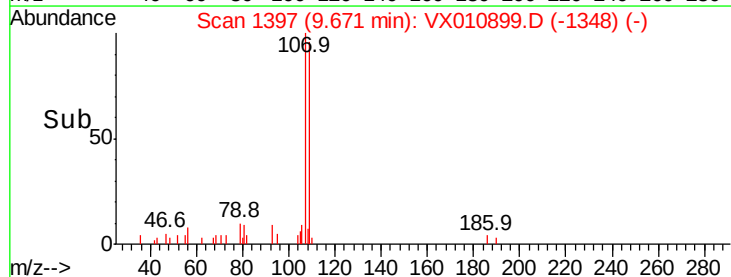
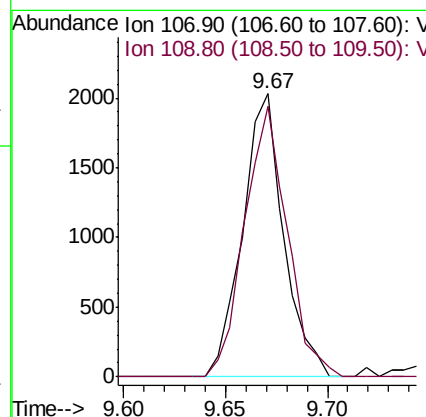
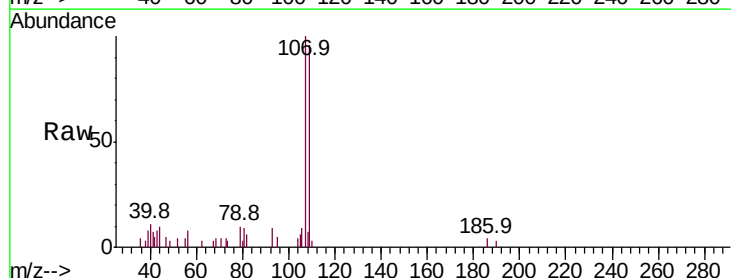
Manual Integrations
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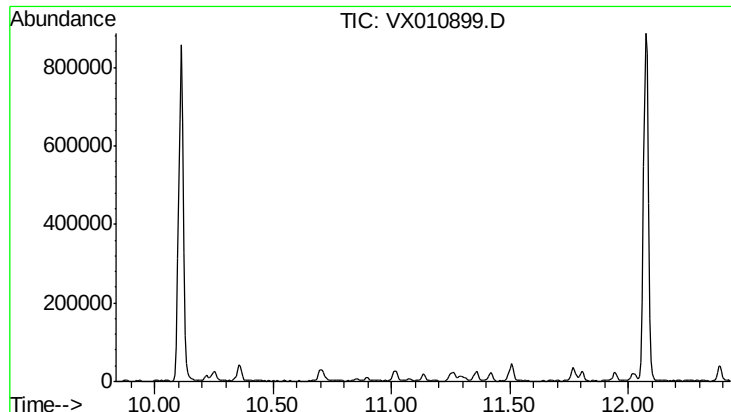
MMDadoda
7/17/2019 10:44:52 AM



#61
1,2-Dibromoethane
Concen: 0.895 ug/l
RT: 9.67 min Scan# 1397
Delta R.T. -0.00 min
Lab File: VX010899.D
Acq: 16 Jul 2019 09:43

Tgt Ion:107 Resp: 2843
Ion Ratio Lower Upper
107 100
109 98.9 75.4 113.0





#62

4-Bromofluorobenzene

Concen: 0.000 ug/l

Expected RT: 11.13 min

Lab File: VX010899.D

Acq: 16 Jul 2019 09:43

Tot Ion: 95

Sig Exp Ratio

95 100

174 90.3

176 86.9

Instrument :

MSVOA_X

ClientSampleId :

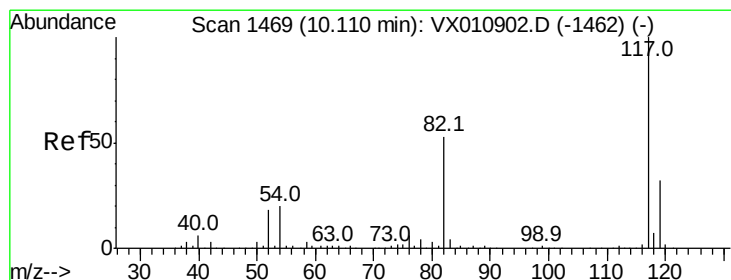
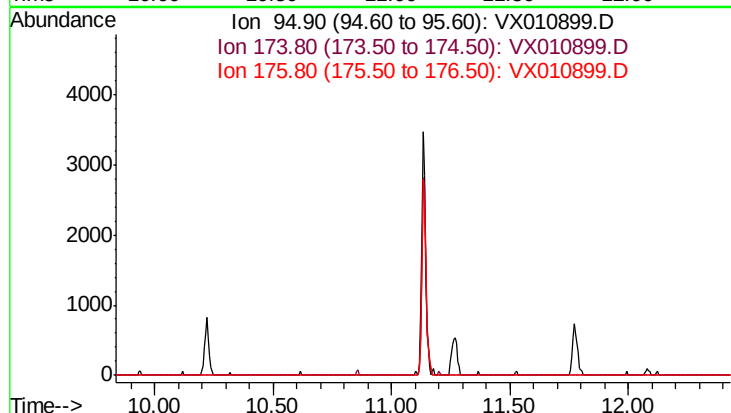
VSTDIC001

Manual Integrations

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX010899.D

Acq: 16 Jul 2019 09:43

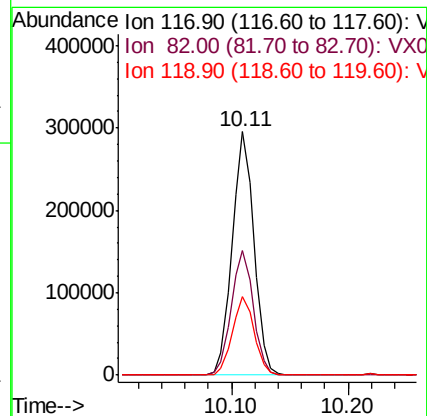
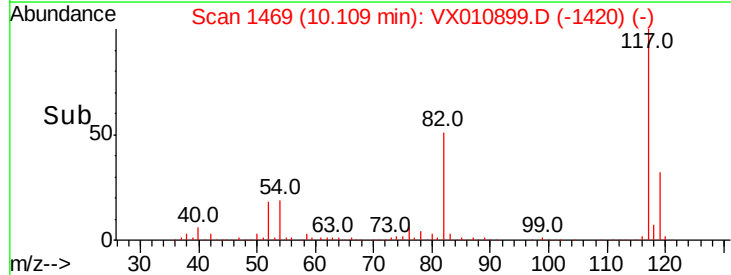
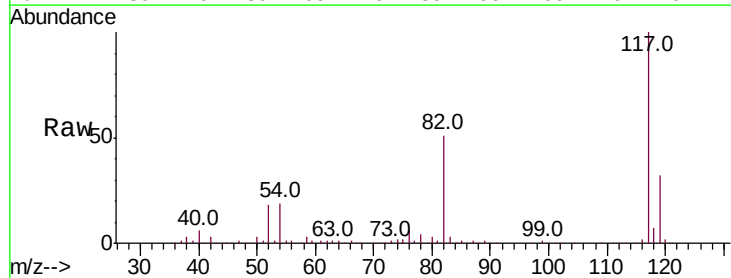
Tgt Ion:117 Resp: 384787

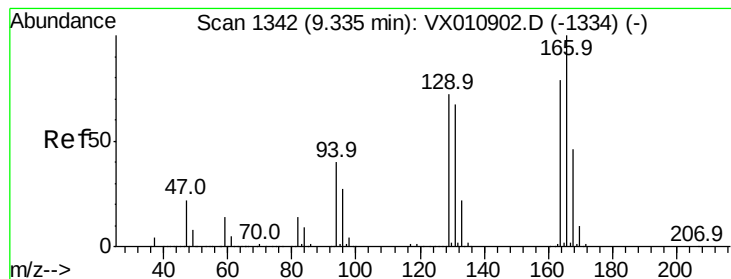
Ion Ratio Lower Upper

117 100

82 51.3 42.6 63.8

119 32.1 25.9 38.9





#64

Tetrachloroethene

Concen: 1.141 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX010899.D

Acq: 16 Jul 2019 09:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion:164 Resp: 3537

Ion Ratio Lower Upper

164 100

166 117.3 100.8 151.2

129 69.8 72.6 109.0#

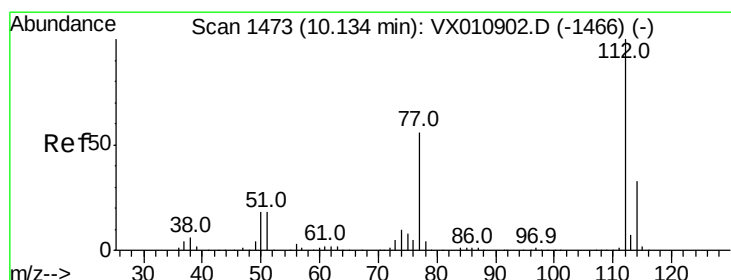
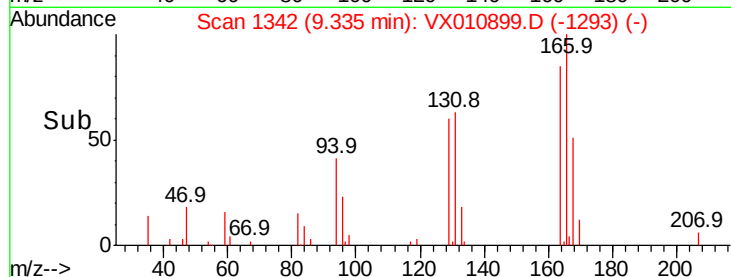
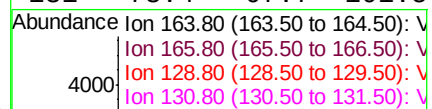
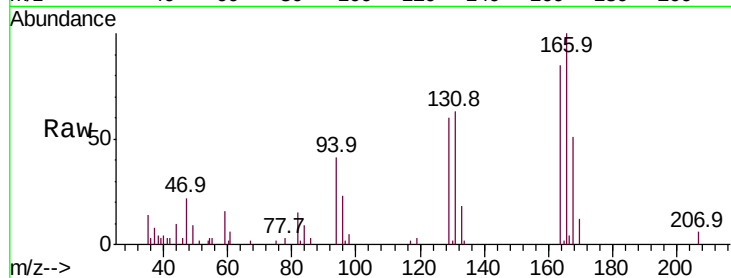
131 73.4 67.7 101.5

Manual Integrations

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#65

Chlorobenzene

Concen: 1.115 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.00 min

Lab File: VX010899.D

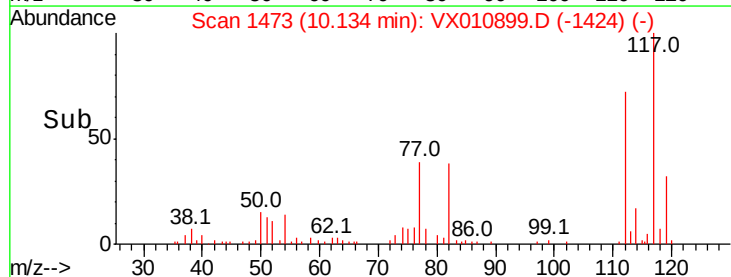
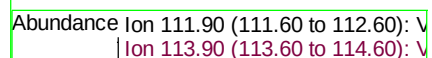
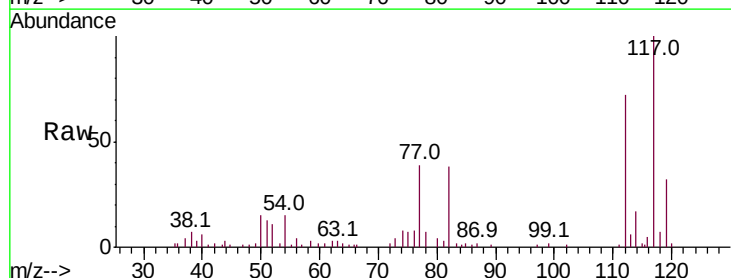
Acq: 16 Jul 2019 09:43

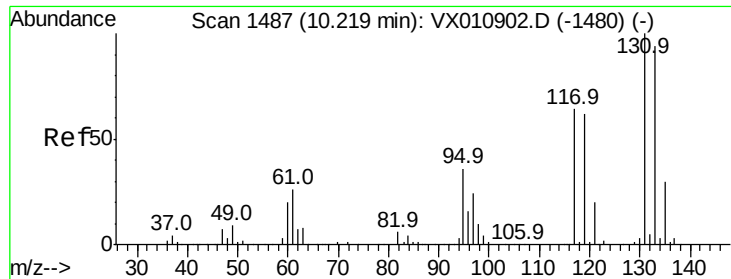
Tgt Ion:112 Resp: 8694

Ion Ratio Lower Upper

112 100

114 24.3 26.2 39.4#





#66

1,1,1,2-Tetrachloroethane

Concen: 0.920 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX010899.D

Acq: 16 Jul 2019 09:43

Instrument :

MSVOA_X

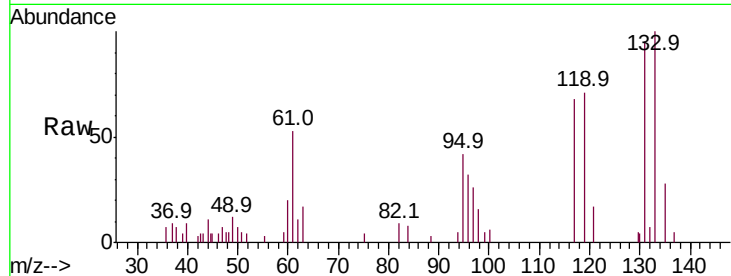
ClientSampled :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
131	100		
133	101.3	47.1	141.4
119	0.0	31.9	95.7#

Manual Integrations
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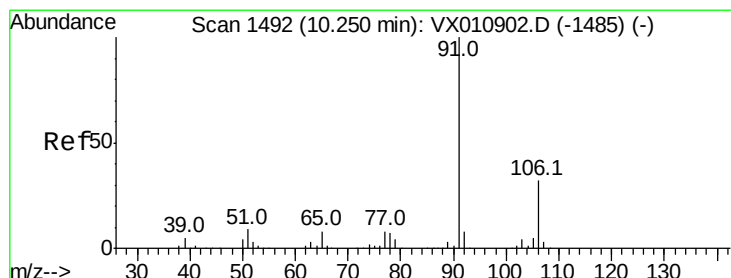
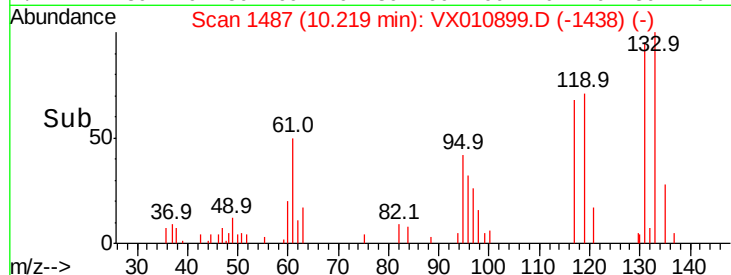
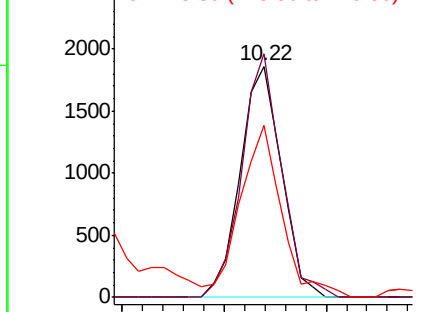


Abundance

Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 1.039 ug/l

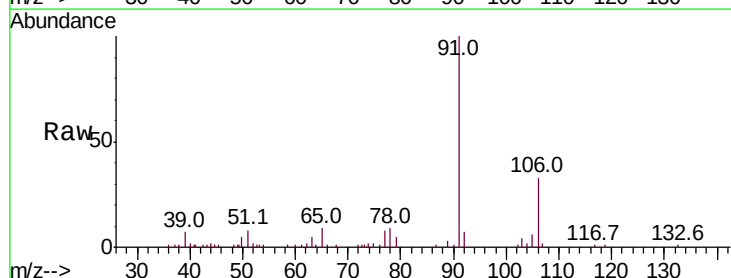
RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX010899.D

Acq: 16 Jul 2019 09:43

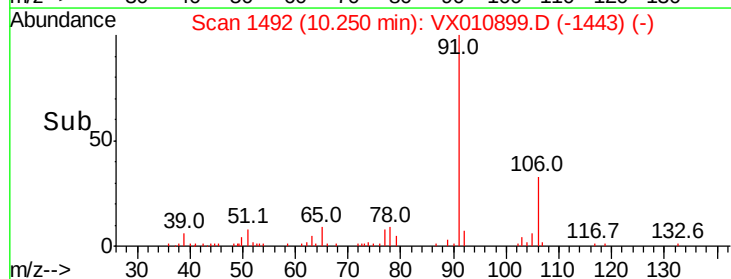
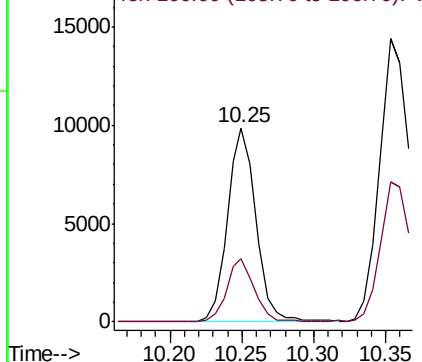
Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.7	25.4	38.2

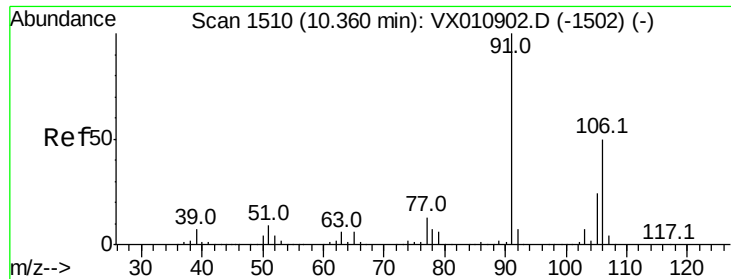


Abundance

Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V





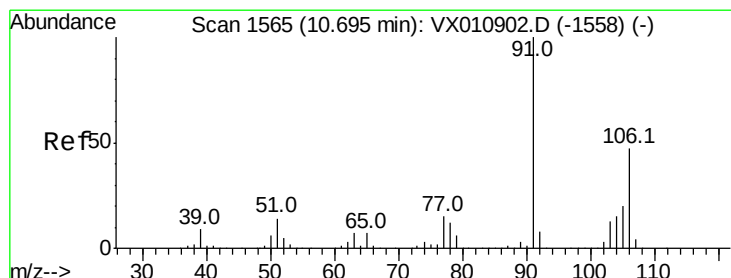
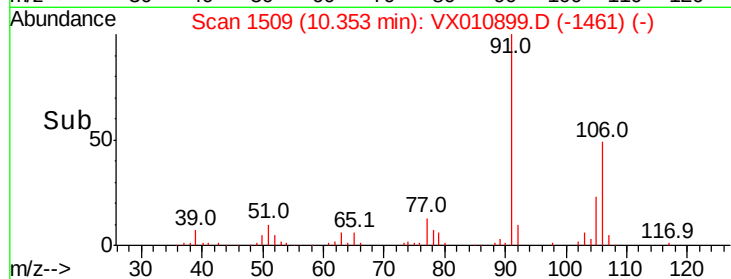
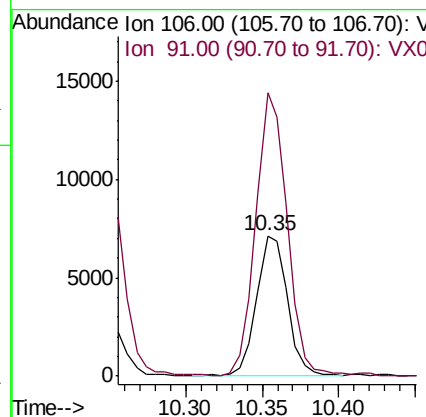
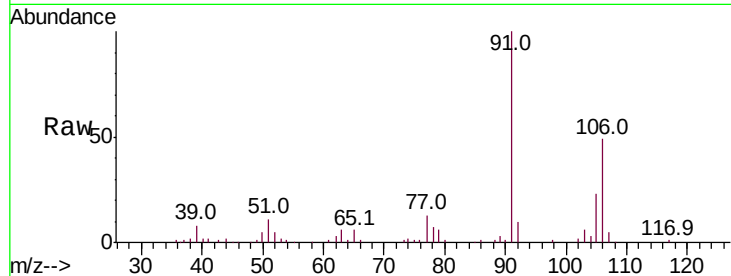
#68
m/p-Xylenes
Concen: 1.969 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX010899.D
Acq: 16 Jul 2019 09:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion:106 Resp: 10074
Ion Ratio Lower Upper
106 100
91 206.5 160.1 240.1

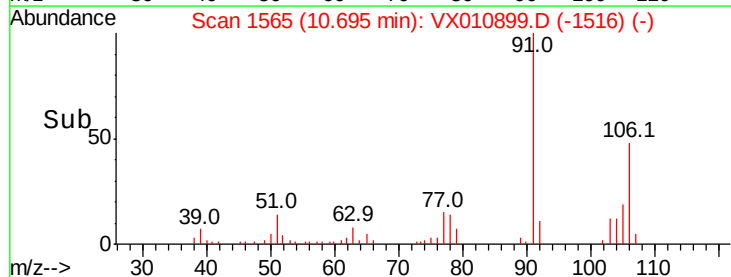
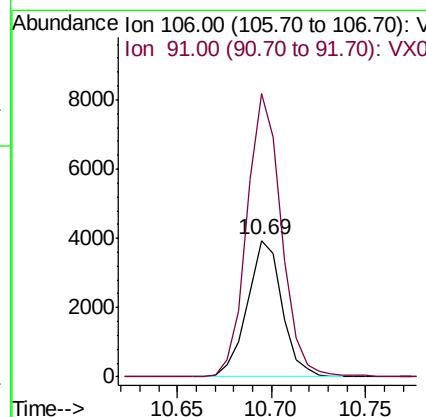
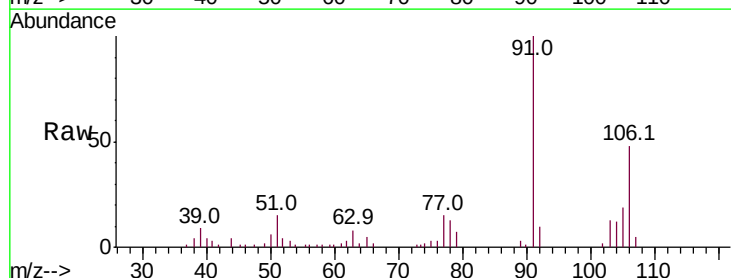
Manual Integrations
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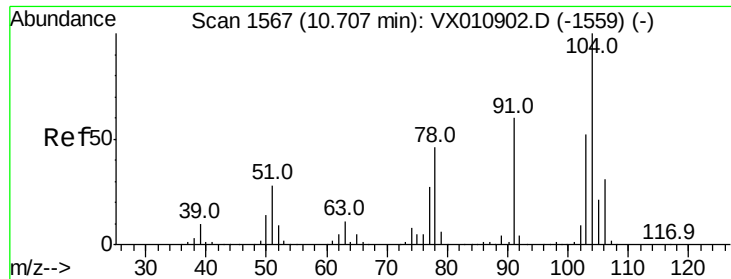
MMDadoda
7/17/2019 10:44:52 AM



#69
o-Xylene
Concen: 1.003 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX010899.D
Acq: 16 Jul 2019 09:43

Tgt Ion:106 Resp: 5053
Ion Ratio Lower Upper
106 100
91 206.1 105.1 315.3





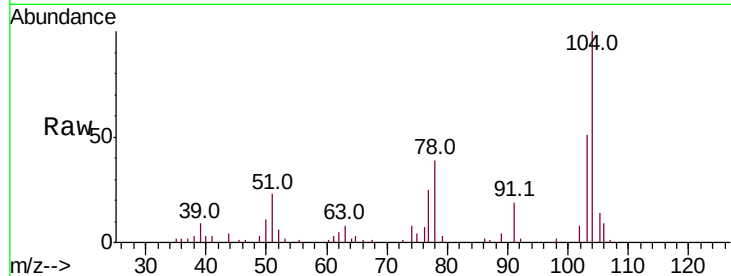
#70
Stvrene
Concen: 0.896 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VX010899.D
Acq: 16 Jul 2019 09:43

Instrument :
MSVOA_X
ClientSampled :
VSTDIC001

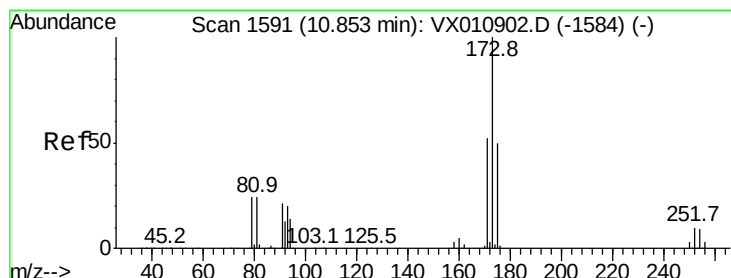
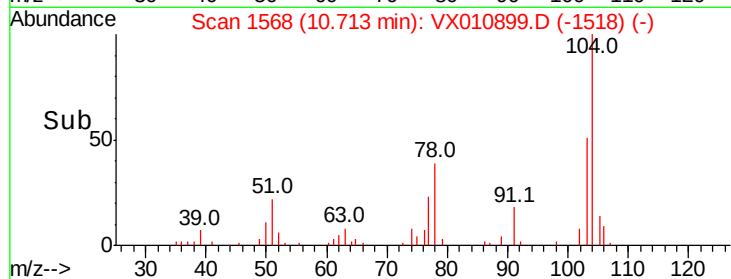
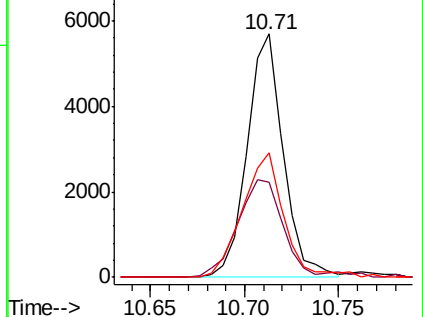
Tot Ion	Ratio	Lower	Upper
104	100		
78	50.3	38.8	58.2
103	58.8	44.2	66.4

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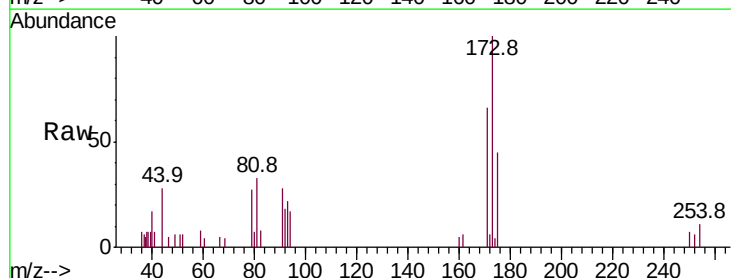


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V

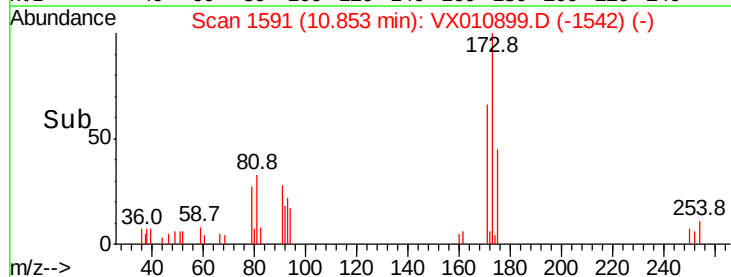
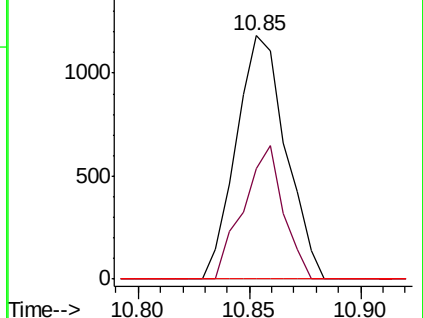


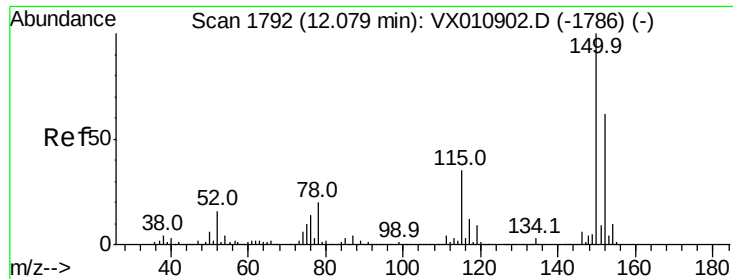
#71
Bromoform
Concen: 0.756 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.00 min
Lab File: VX010899.D
Acq: 16 Jul 2019 09:43

Tgt Ion	Ratio	Lower	Upper
173	100		
175	44.0	24.6	73.6
254	0.0	0.1	0.1#



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: 12.07 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX010899.D

Acq: 16 Jul 2019 09:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion:152 Resp: 191226

Ion Ratio Lower Upper

152 100

115 55.2 39.7 119.1

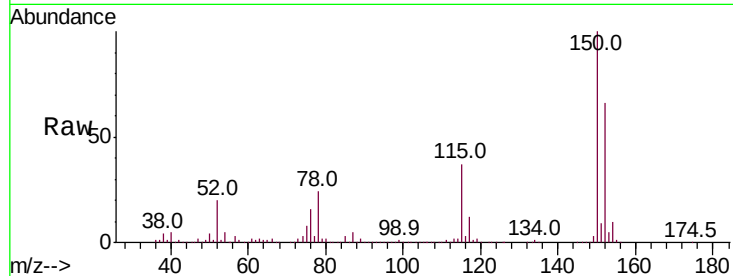
150 155.0 0.0 345.6

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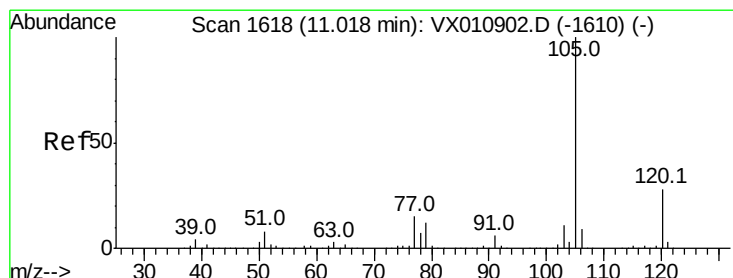
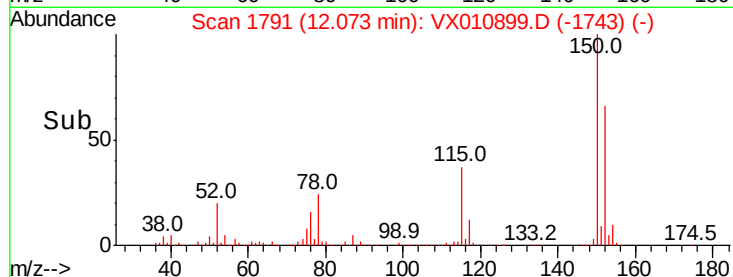
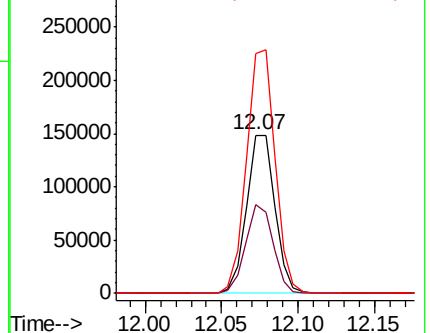
7/17/2019 10:44:52 AM



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: 0.987 ug/l

RT: 11.01 min Scan# 1617

Delta R.T. -0.01 min

Lab File: VX010899.D

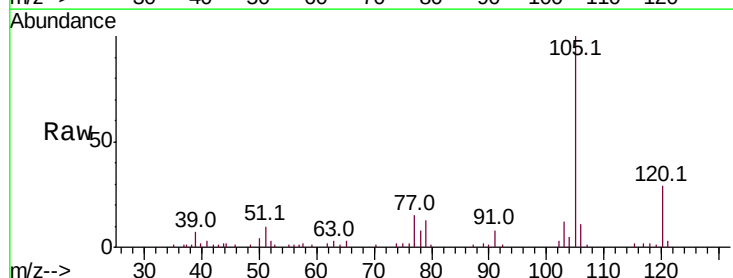
Acq: 16 Jul 2019 09:43

Tgt Ion:105 Resp: 12775

Ion Ratio Lower Upper

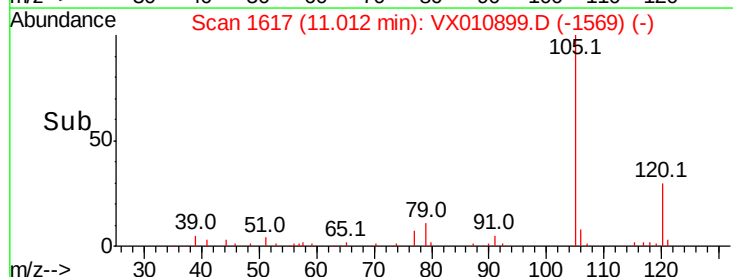
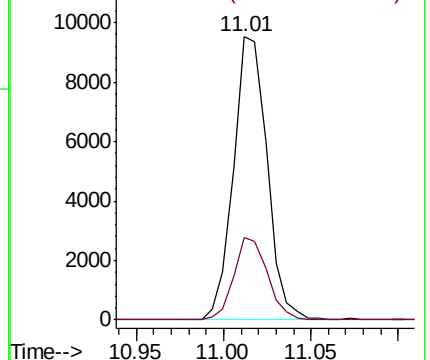
105 100

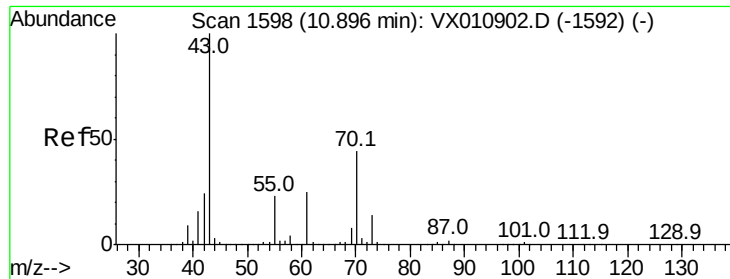
120 28.8 13.7 41.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.930 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX010899.D

Acq: 16 Jul 2019 09:43

Instrument :

MSVOA_X

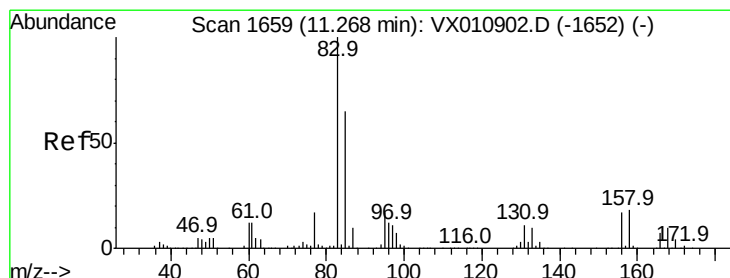
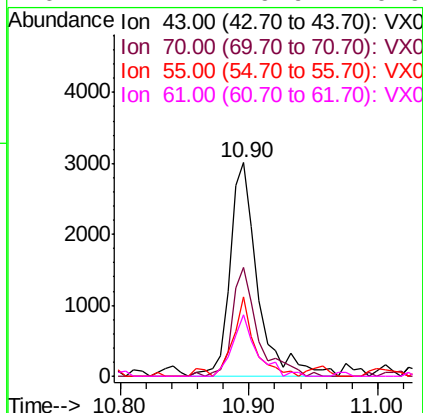
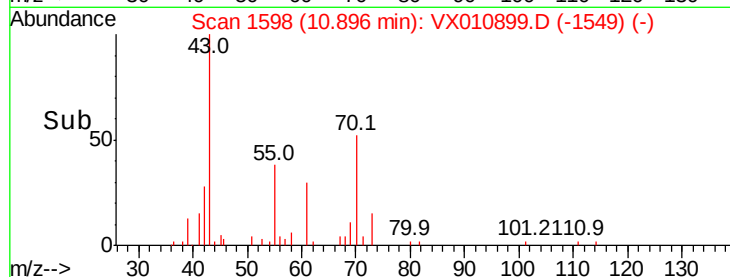
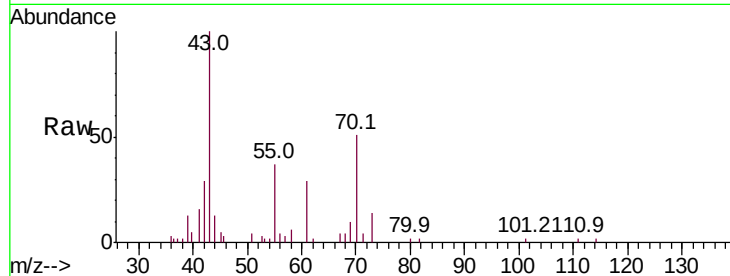
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
43	100		
70	46.7	34.7	52.1
55	27.8	19.1	28.7
61	24.7	19.9	29.9

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#75

1,1,2,2-Tetrachloroethane

Concen: 1.025 ug/l

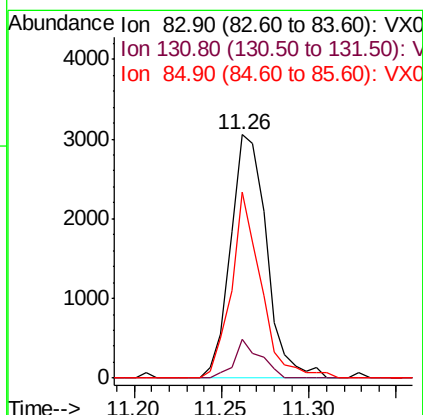
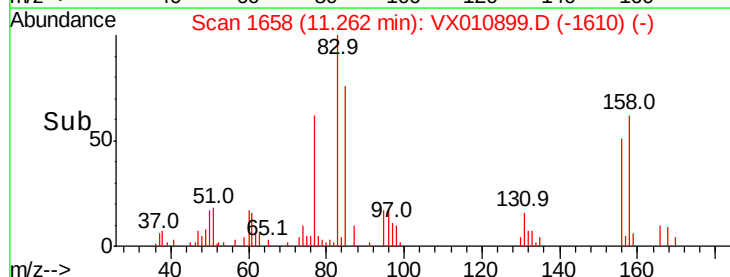
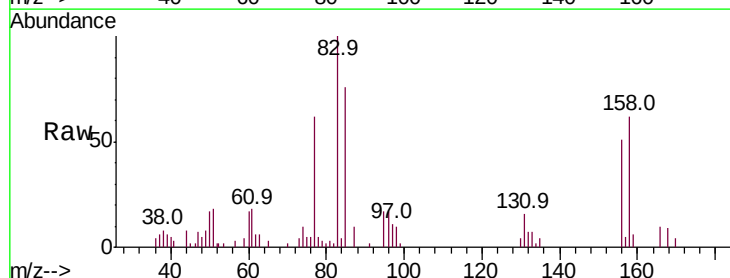
RT: 11.26 min Scan# 1658

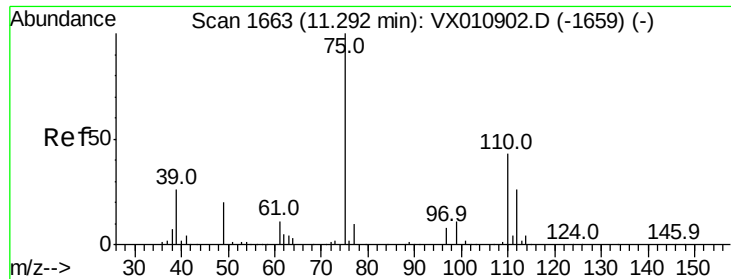
Delta R.T. -0.01 min

Lab File: VX010899.D

Acq: 16 Jul 2019 09:43

Tgt Ion	Ratio	Lower	Upper
83	100		
131	11.5	5.5	16.4
85	63.1	32.3	96.9





#76

1,2,3-Trichloropropane

Concen: 1.001 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX010899.D

Acq: 16 Jul 2019 09:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 75 Resp: 3482

Ion Ratio Lower Upper

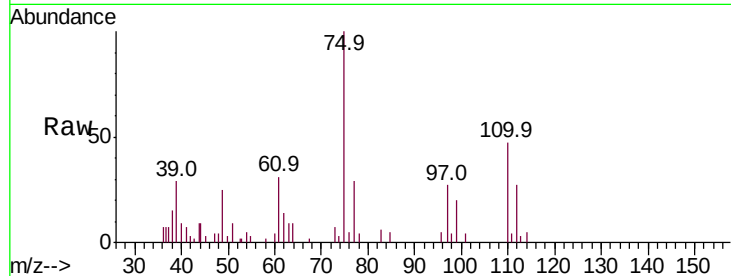
75 100

77 40.1 21.3 64.0

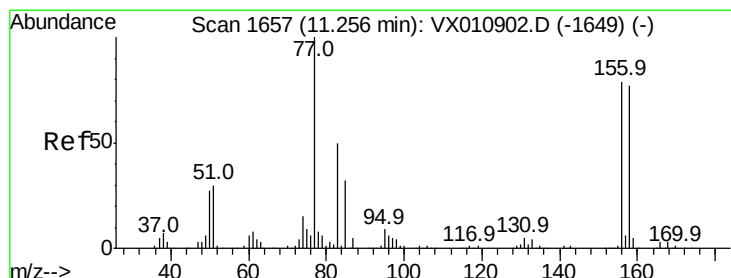
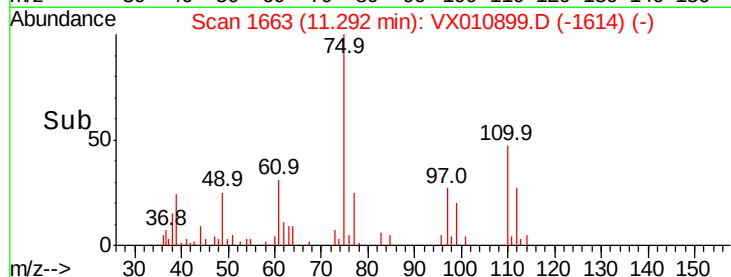
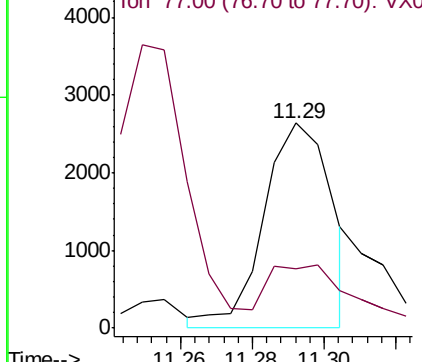
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Abundance Ion 74.90 (74.60 to 75.60): VX010902.D (-1659) (-)



#77

Bromobenzene

Concen: 1.107 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX010899.D

Acq: 16 Jul 2019 09:43

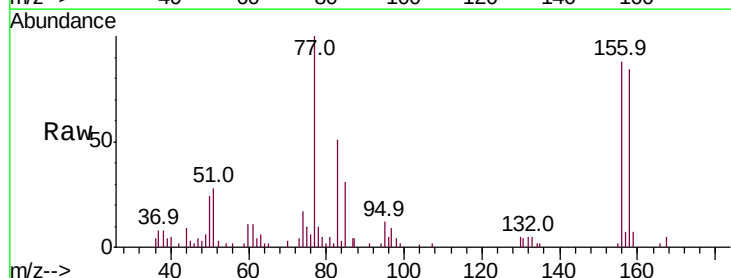
Tgt Ion: 156 Resp: 3990

Ion Ratio Lower Upper

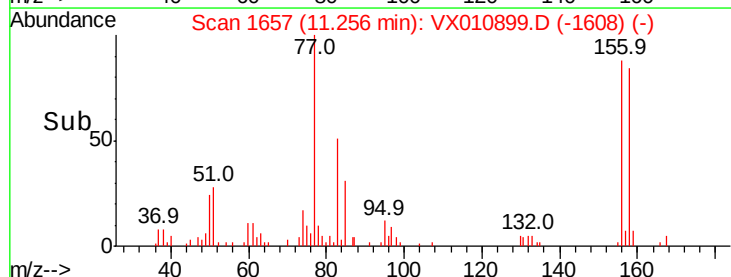
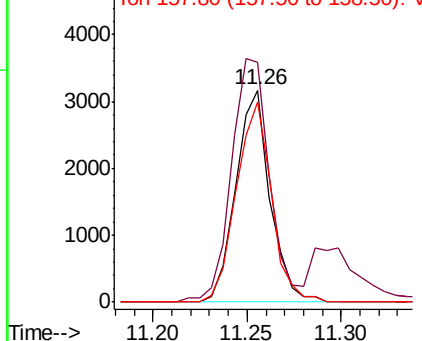
156 100

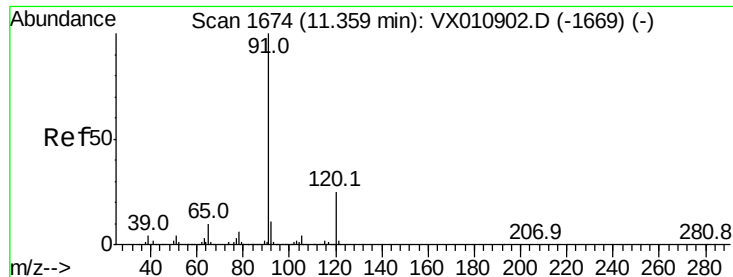
77 128.7 68.7 206.1

158 96.8 47.9 143.7



Abundance Ion 155.80 (155.50 to 156.50): VX010902.D (-1649) (-)





#78

n-propylbenzene

Concen: 0.971 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX010899.D

Acq: 16 Jul 2019 09:43

Instrument :

MSVOA_X

ClientSampled :

VSTDIC001

Tot Ion: 91 Resp: 13817

Ion Ratio Lower Upper

91 100

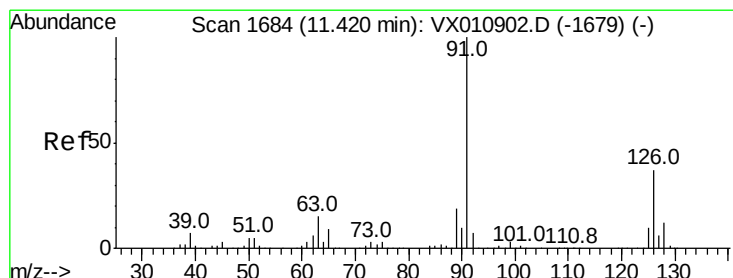
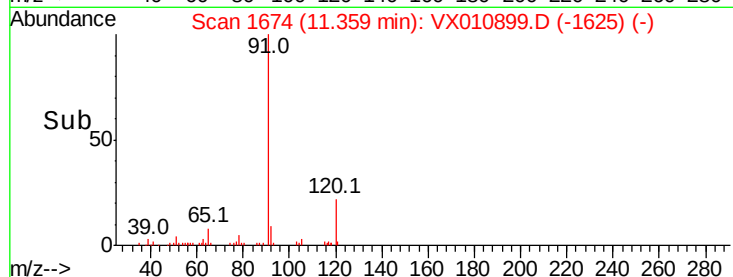
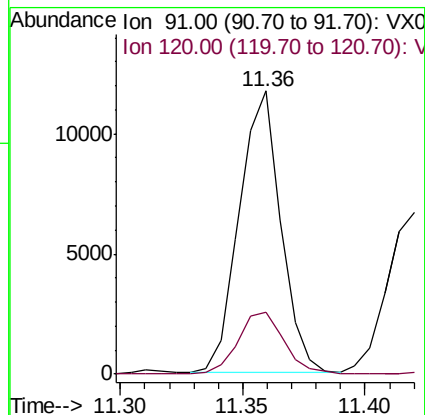
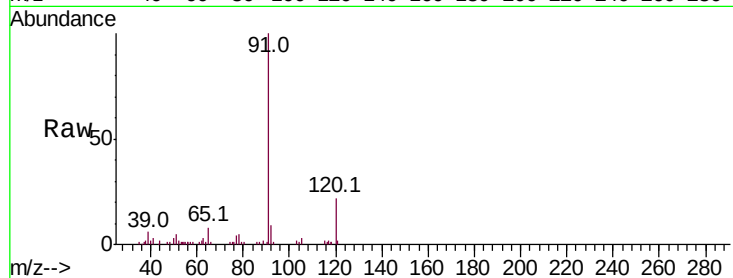
120 24.5 12.3 36.8

Manual Integrations

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#79

2-Chlorotoluene

Concen: 1.058 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX010899.D

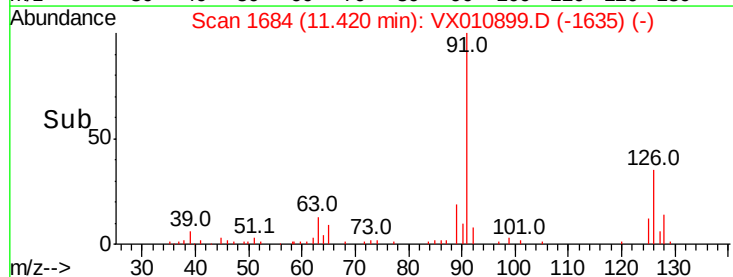
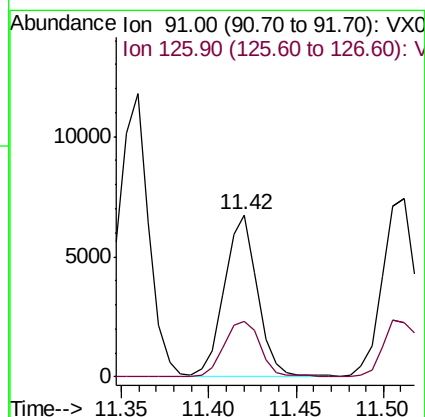
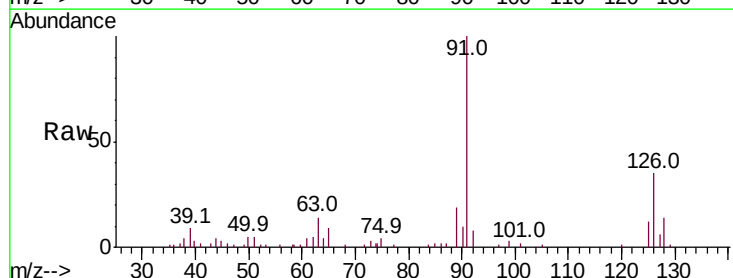
Acq: 16 Jul 2019 09:43

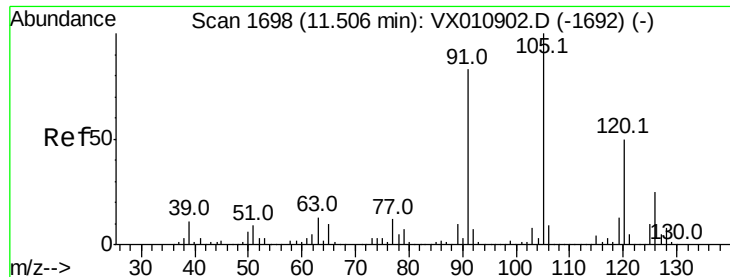
Tgt Ion: 91 Resp: 8982

Ion Ratio Lower Upper

91 100

126 37.2 18.0 54.0





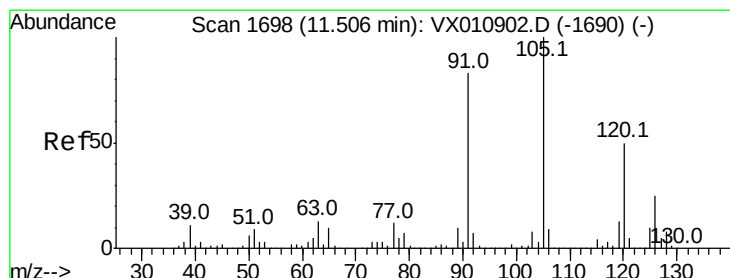
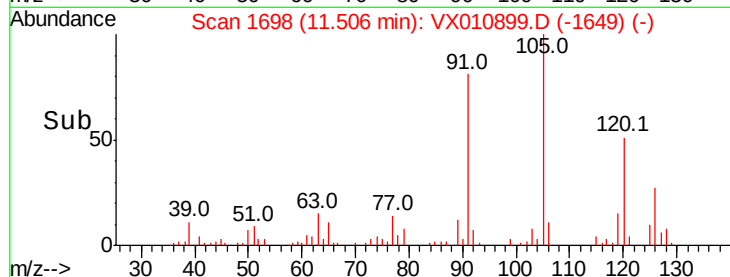
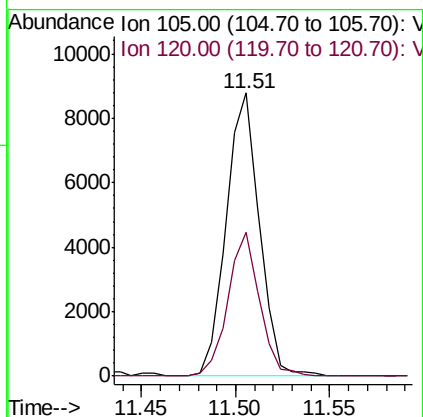
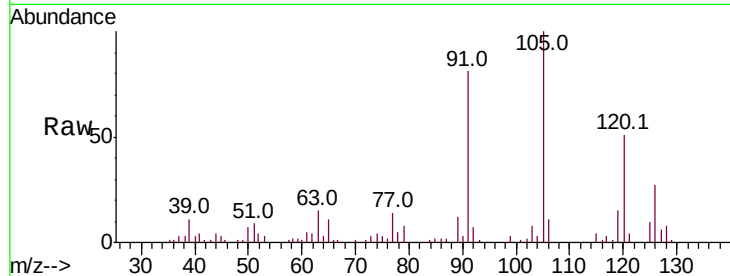
#80
1,3,5-Trimethylbenzene
Concen: 1.004 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX010899.D
Acq: 16 Jul 2019 09:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion:105 Resp: 10735
Ion Ratio Lower Upper
105 100
120 48.7 24.6 73.8

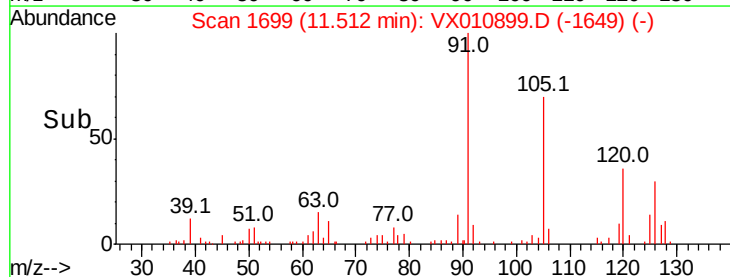
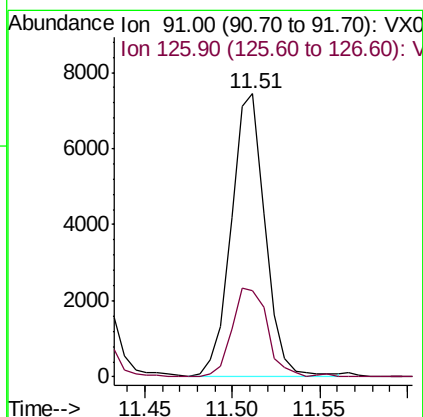
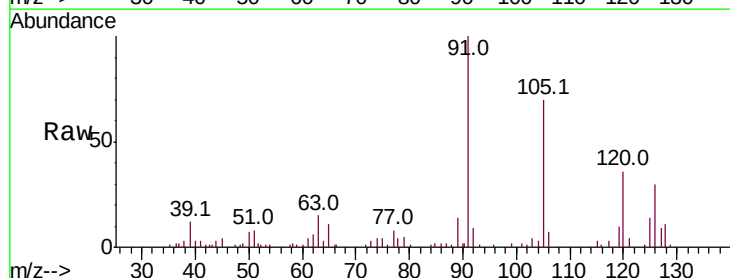
Manual Integrations
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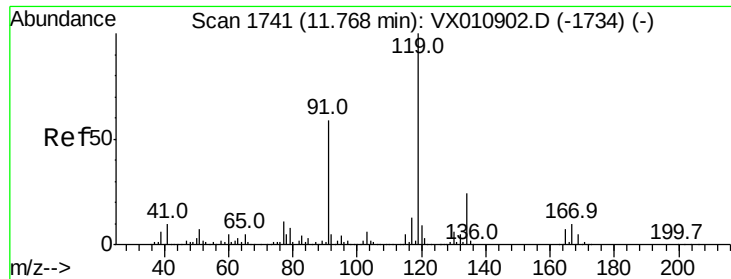
MMDadoda
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#82
4-Chlorotoluene
Concen: 1.040 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.01 min
Lab File: VX010899.D
Acq: 16 Jul 2019 09:43

Tgt Ion: 91 Resp: 10053
Ion Ratio Lower Upper
91 100
126 32.3 15.9 47.7





#83

tert-Butylbenzene

Concen: 0.954 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX010899.D

Acq: 16 Jul 2019 09:43

Instrument :

MSVOA_X

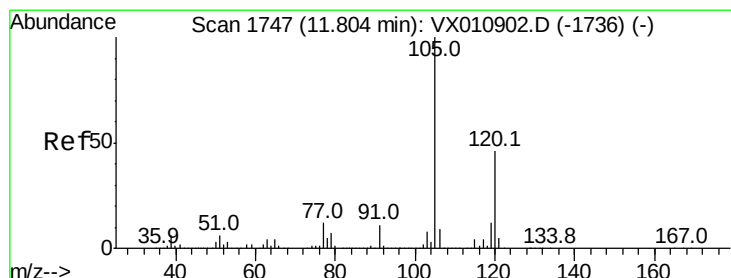
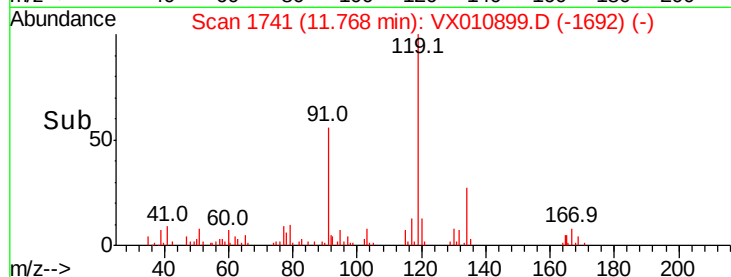
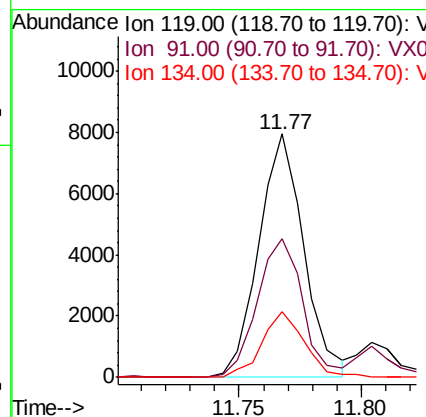
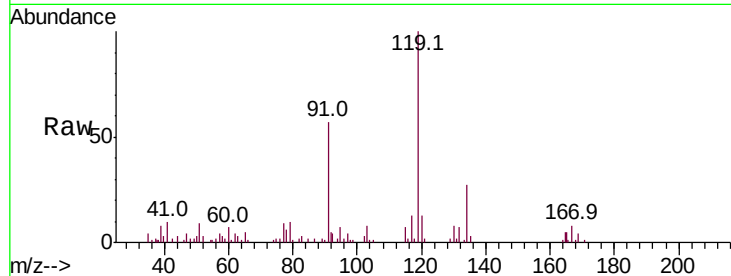
ClientSampleId :

VSTDIC001

Tot Ion:	119	Resp:	10218
Ion Ratio	Lower	Upper	
119	100		
91	57.7	28.6	85.8
134	25.4	11.6	34.8

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 0.983 ug/l

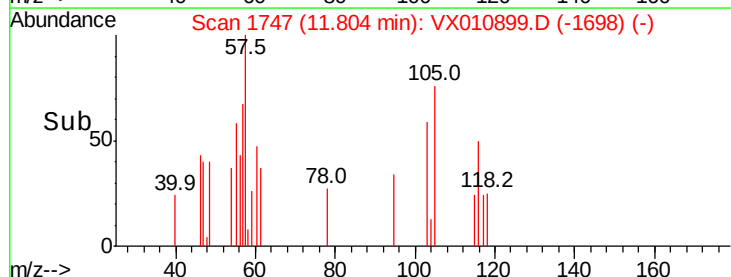
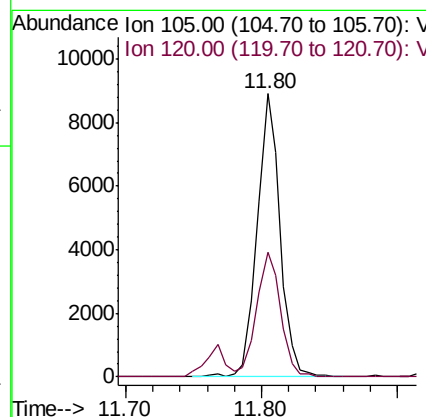
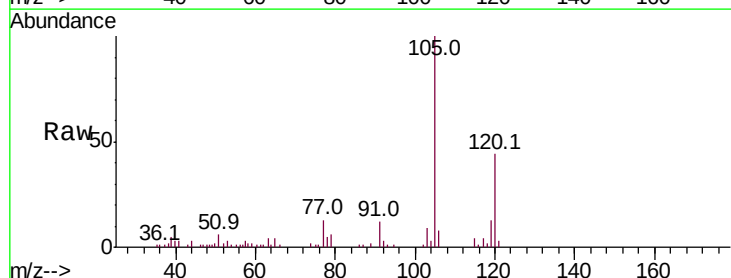
RT: 11.80 min Scan# 1747

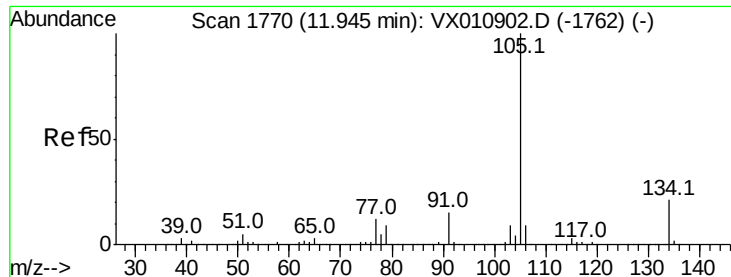
Delta R.T. -0.00 min

Lab File: VX010899.D

Acq: 16 Jul 2019 09:43

Tgt Ion:	105	Resp:	10545
Ion Ratio	Lower	Upper	
105	100		
120	46.3	22.9	68.5





#85

sec-Butylbenzene

Concen: 0.937 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX010899.D

Acq: 16 Jul 2019 09:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 11780

Ion Ratio Lower Upper

105 100

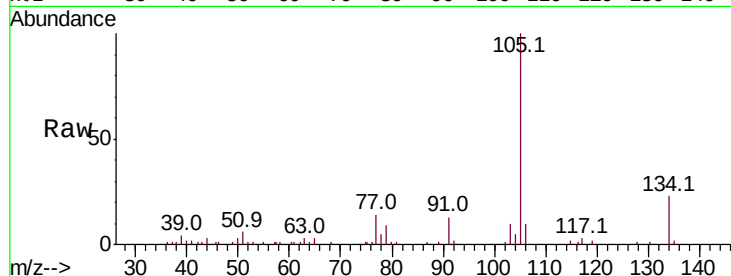
134 22.8 10.4 31.4

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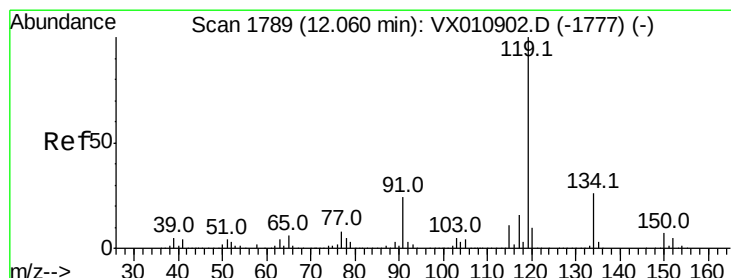
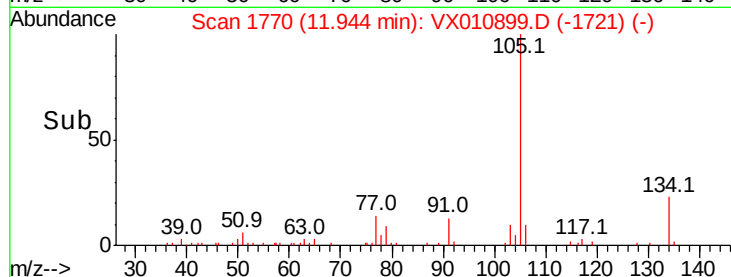
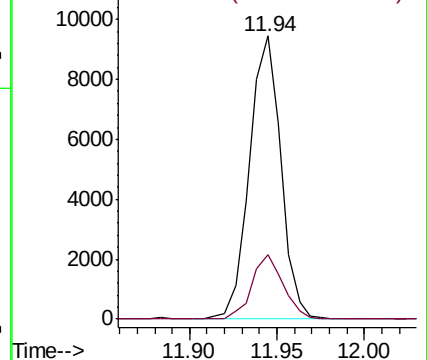
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.920 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX010899.D

Acq: 16 Jul 2019 09:43

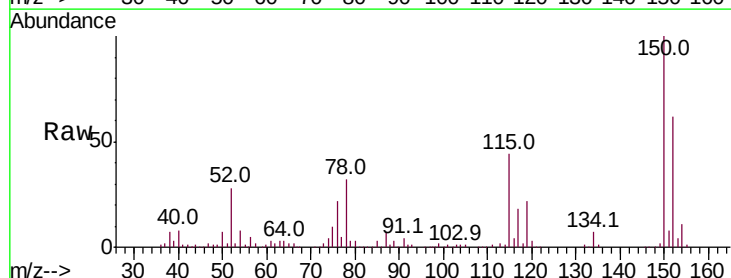
Tgt Ion:119 Resp: 10695

Ion Ratio Lower Upper

119 100

134 31.3 13.4 40.1

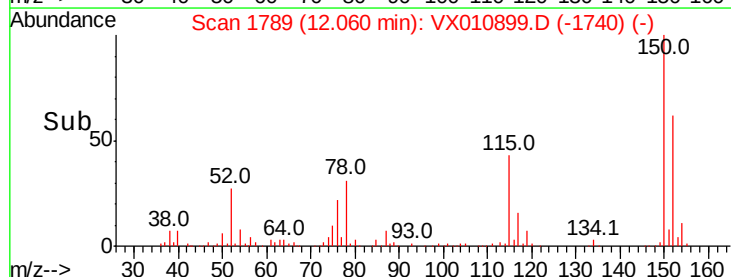
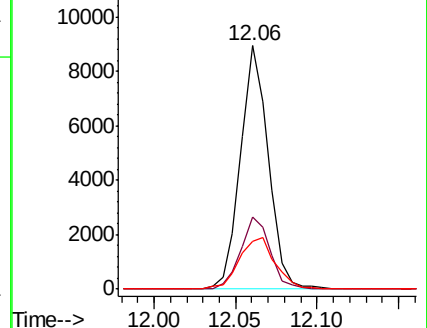
91 27.3 11.8 35.4

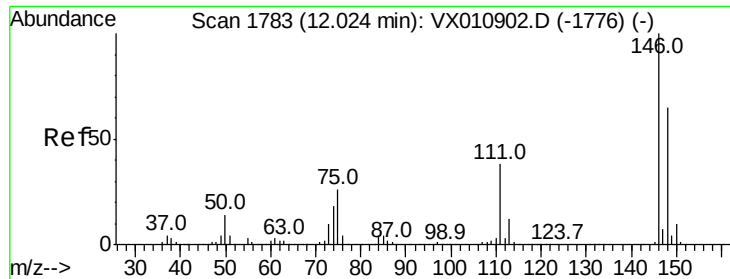


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 1.008 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX010899.D

Acq: 16 Jul 2019 09:43

Instrument :

MSVOA_X

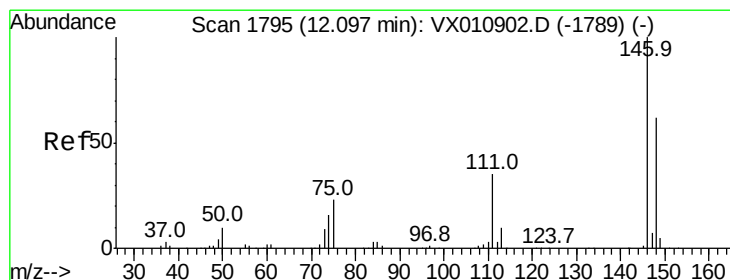
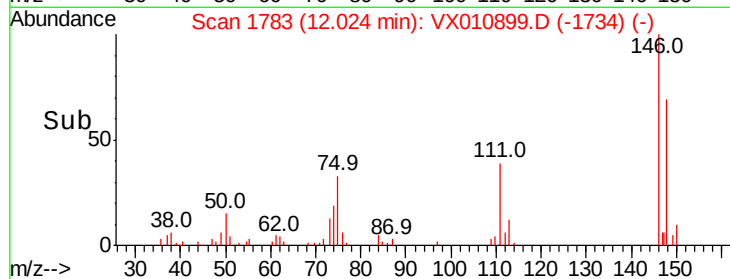
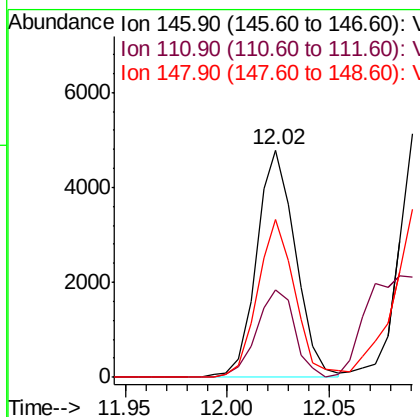
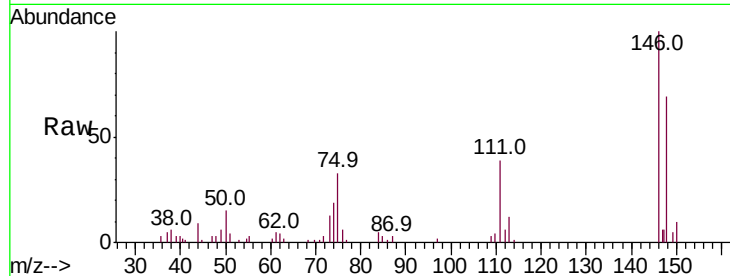
ClientSampleId :

VSTDIC001

Tot Ion:	146	Resp:	6355
Ion Ratio	Lower	Upper	
146	100		
111	37.7	18.9	56.9
148	67.3	32.2	96.6

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 1.090 ug/l m

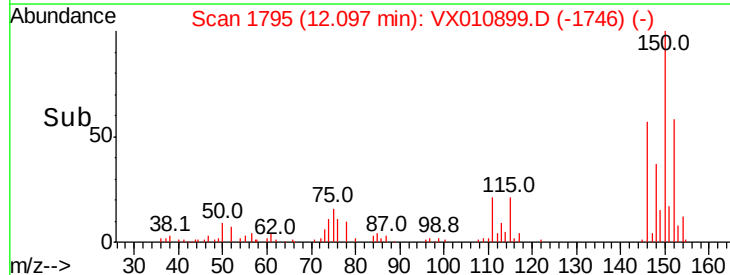
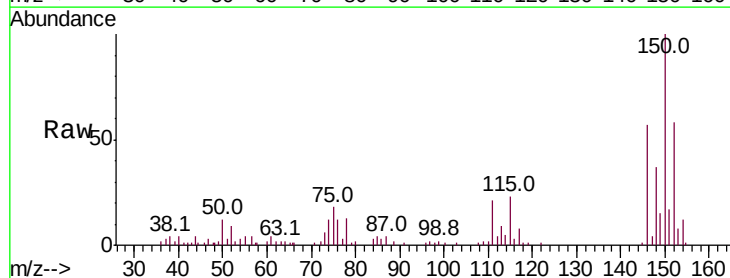
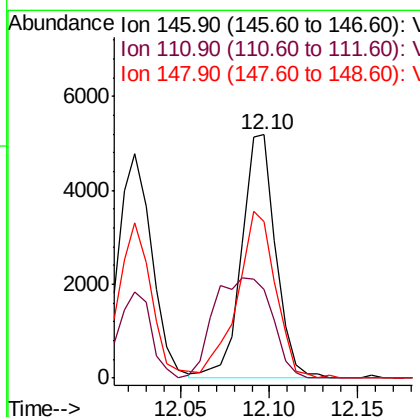
RT: 12.10 min Scan# 1795

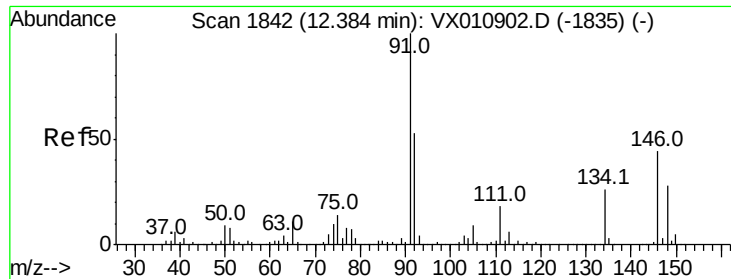
Delta R.T. -0.00 min

Lab File: VX010899.D

Acq: 16 Jul 2019 09:43

Tgt Ion:	146	Resp:	7002
Ion Ratio	Lower	Upper	
146	100		
111	34.3	18.6	55.8
148	61.1	31.6	94.7





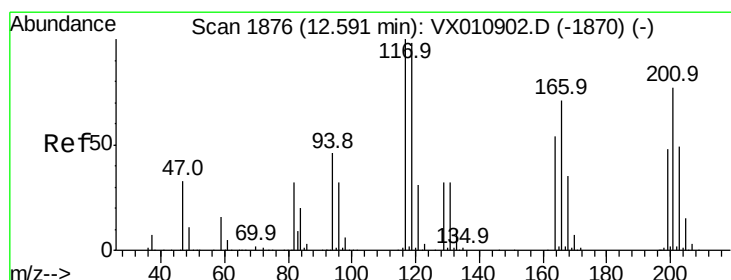
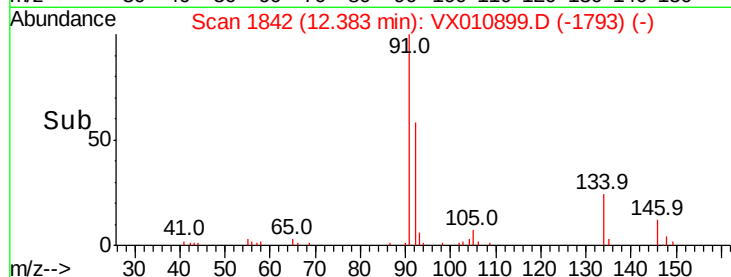
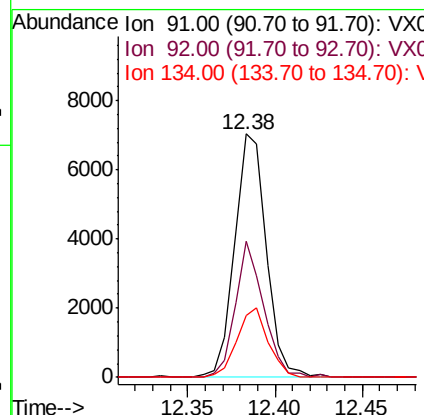
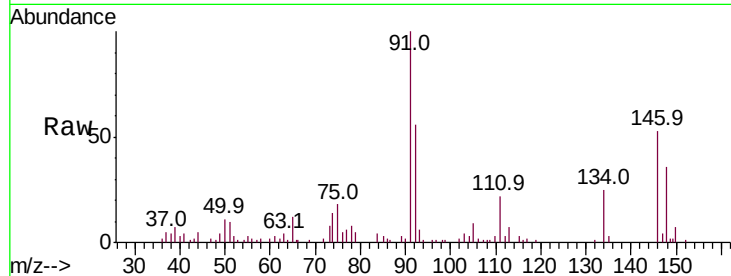
#89
n-Butylbenzene
Concen: 0.894 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX010899.D
Acq: 16 Jul 2019 09:43

Instrument :
MSVOA_X
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.1	26.2	78.5
134	28.1	13.8	41.3

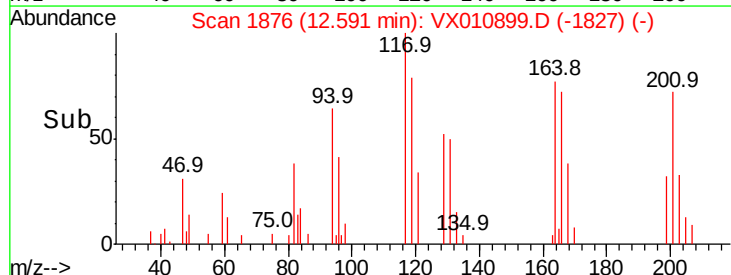
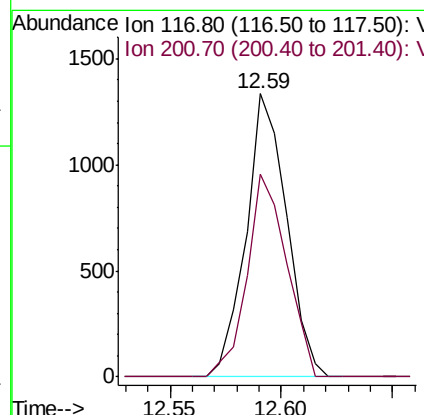
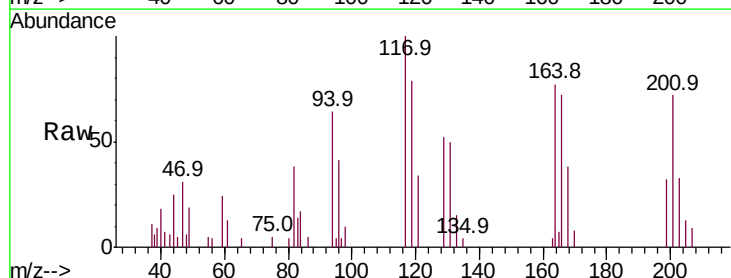
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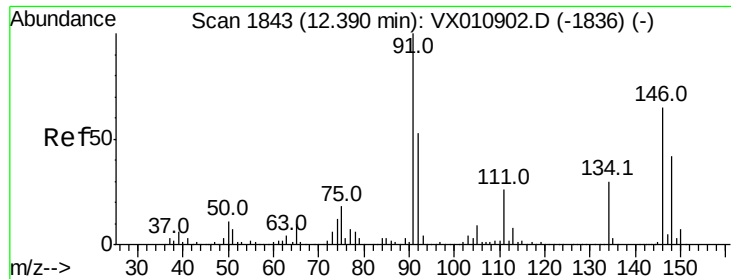
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#90
Hexachloroethane
Concen: 0.860 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.00 min
Lab File: VX010899.D
Acq: 16 Jul 2019 09:43

Tgt Ion	Ratio	Lower	Upper
117	100		
201	69.9	43.3	129.8





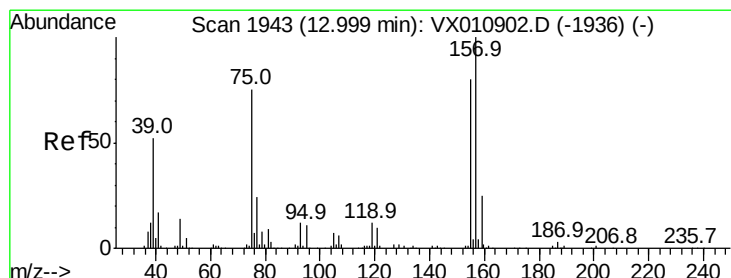
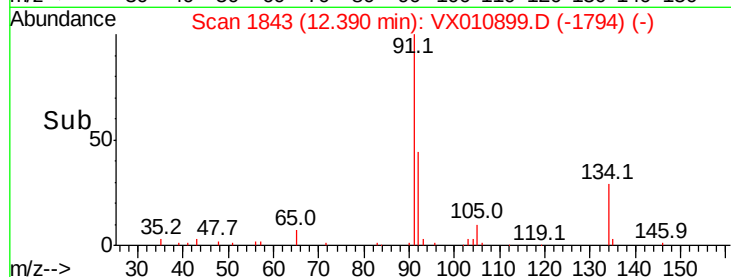
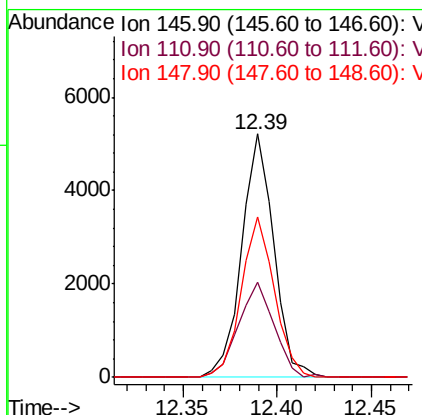
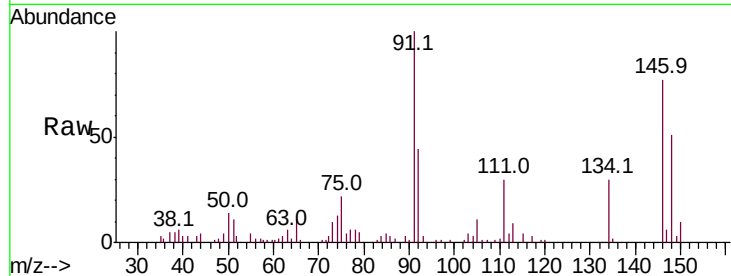
#91
 1,2-Dichlorobenzene
 Concen: 0.986 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX010899.D
 Acq: 16 Jul 2019 09:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	19.9	59.7
148	67.9	32.0	96.2

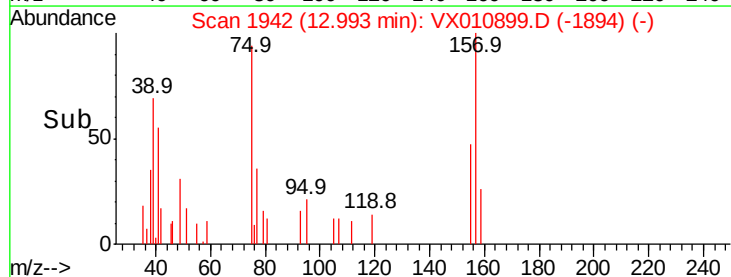
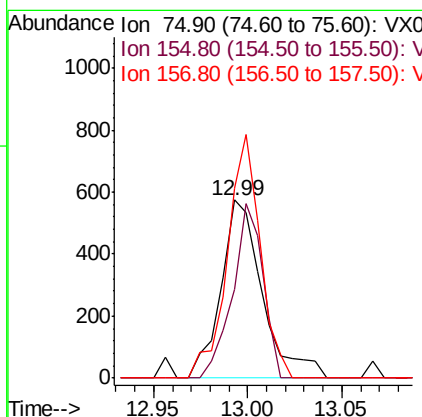
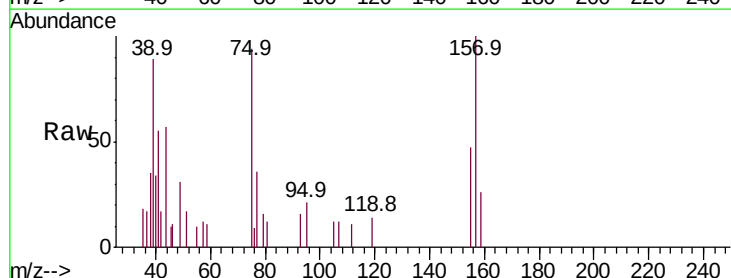
Manual Integrations
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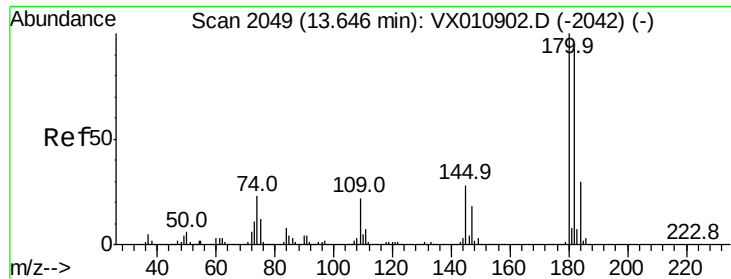
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.944 ug/l
 RT: 12.99 min Scan# 1942
 Delta R.T. -0.01 min
 Lab File: VX010899.D
 Acq: 16 Jul 2019 09:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.4	48.7	146.1
157	108.2	62.5	187.6





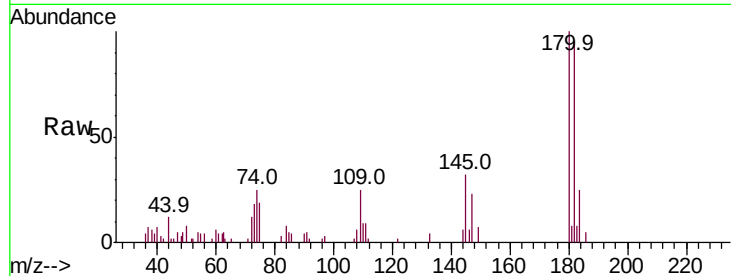
#93
1,2,4-Trichlorobenzene
Concen: 0.911 ug/l
RT: 13.64 min Scan# 2048
Delta R.T. -0.01 min
Lab File: VX010899.D
Acq: 16 Jul 2019 09:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

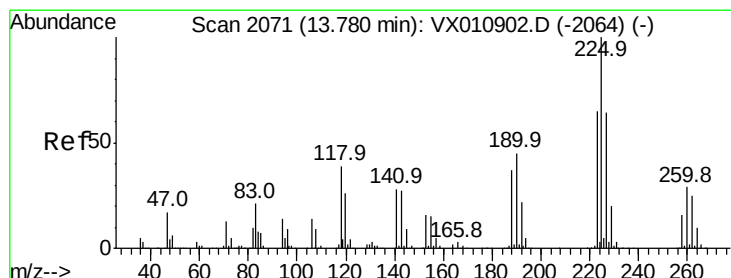
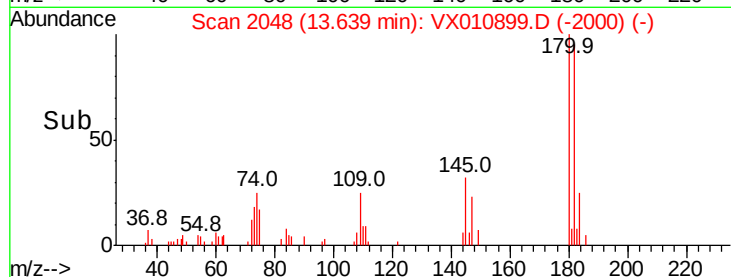
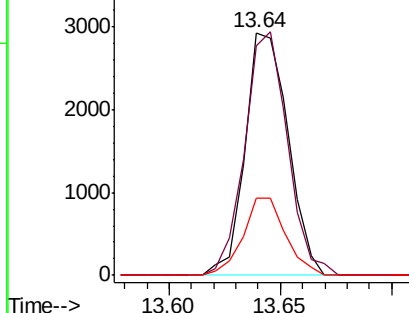
Tot Ion	Ratio	Lower	Upper
180	100		
182	99.8	47.1	141.3
145	31.9	14.8	44.4

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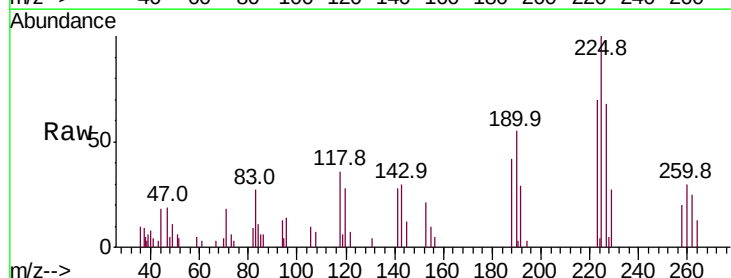


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

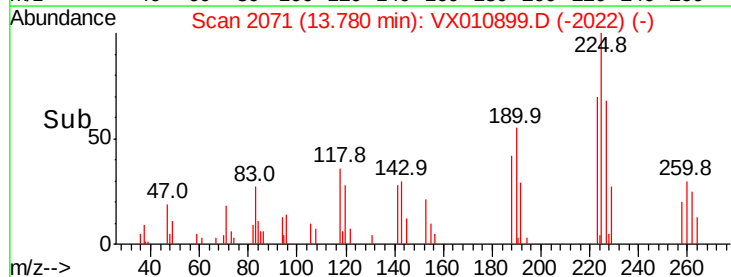
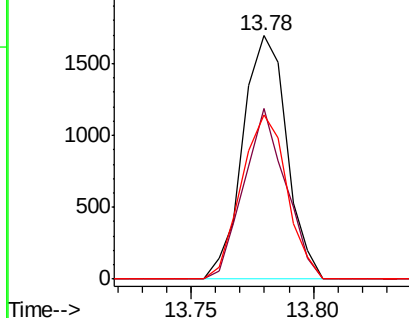


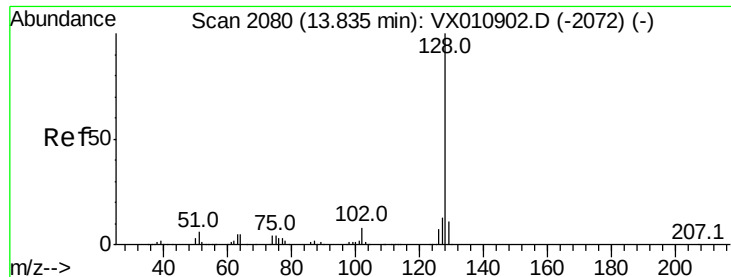
#94
Hexachlorobutadiene
Concen: 1.007 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. -0.00 min
Lab File: VX010899.D
Acq: 16 Jul 2019 09:43

Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.6	31.9	95.9
227	70.0	32.5	97.4



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





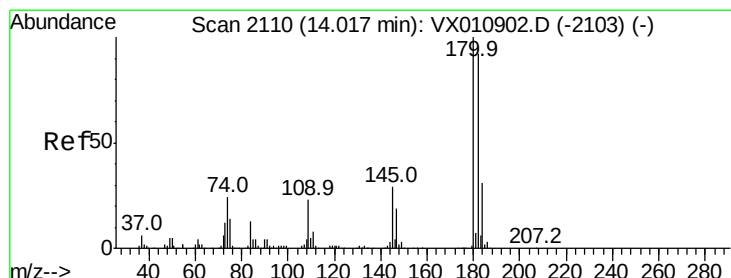
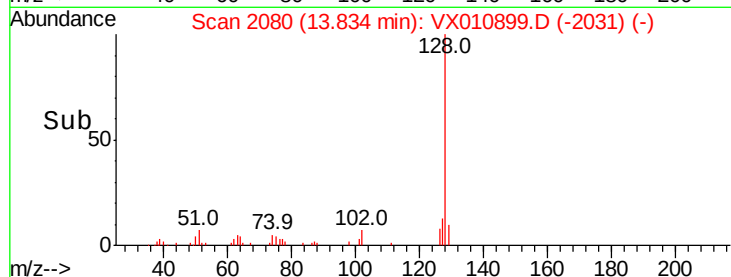
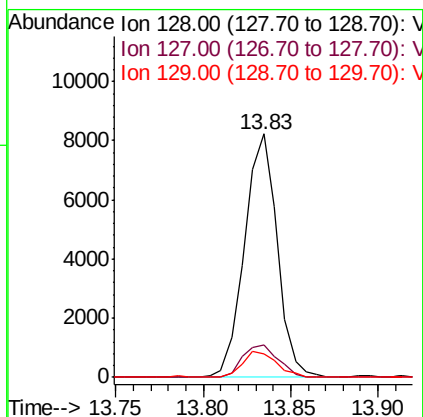
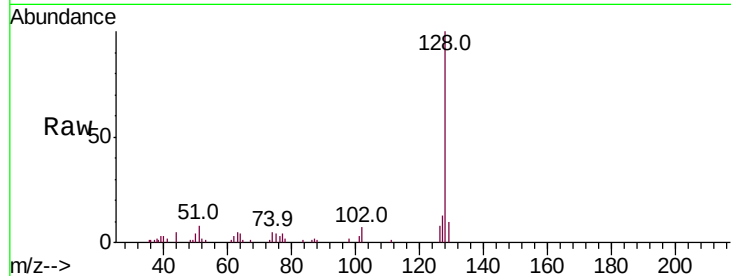
#95
Naphthalene
Concen: 0.811 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX010899.D
Acq: 16 Jul 2019 09:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.3	10.4	15.6
129	11.0	8.9	13.3

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#96
1,2,3-Trichlorobenzene
Concen: 0.954 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX010899.D
Acq: 16 Jul 2019 09:43

Tgt Ion	Ratio	Lower	Upper
180	100		
182	90.7	47.4	142.3
145	28.4	15.1	45.3

