

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX073119\
 Data File : VX011248.D
 Acq On : 31 Jul 2019 17:16
 Operator : JC/SP
 Sample : VX0731MBS01
 Misc : 5.0µ/10mL/100uL/10mL/MSVOA_X/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0731MBS01

Manual Integrations
 APPROVED

MMdadoda
 8/1/2019 11:19:56 AM

Quant Time: Aug 01 02:39:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 24 05:39:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	186118	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	276260	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	249719	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	133705	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	98285	49.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.28%	
35) Dibromofluoromethane	5.50	113	85360	48.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.36%	
50) Toluene-d8	8.71	98	320883	48.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.58%	
62) 4-Bromofluorobenzene	11.13	95	116424	48.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	30045	15.520	ug/l	100
3) Chloromethane	1.33	50	26977	15.762	ug/l	97
4) Vinyl Chloride	1.41	62	29618	16.966	ug/l	100
5) Bromomethane	1.64	94	20600	20.940	ug/l	98
6) Chloroethane	1.73	64	20291	18.290	ug/l	94
7) Trichlorofluoromethane	1.93	101	53267	18.025	ug/l	97
8) Diethyl Ether	2.19	74	18872	18.535	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	29617	17.553	ug/l	98
10) Methyl Iodide	2.51	142	28448	12.848	ug/l	100
11) Tert butyl alcohol	3.04	59	38013	82.435	ug/l	97
12) 1,1-Dichloroethene	2.37	96	26939	16.250	ug/l	96
13) Acrolein	2.29	56	25263	94.823	ug/l	98
14) Allyl chloride	2.73	41	38819	16.121	ug/l	100
15) Acrylonitrile	3.14	53	84511	90.697	ug/l	99
16) Acetone	2.45	43	74168	82.937	ug/l	98
17) Carbon Disulfide	2.57	76	50579	11.894	ug/l	100
18) Methyl Acetate	2.78	43	40790	20.032	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	94680	17.741	ug/l	99
20) Methylene Chloride	2.85	84	32339	17.064	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	28579	16.247	ug/l	98
22) Diisopropyl ether	3.85	45	90725	17.864	ug/l	98
23) Vinyl Acetate	3.81	43	365209	84.871	ug/l	99
24) 1,1-Dichloroethane	3.70	63	50790	17.220	ug/l	98
25) 2-Butanone	4.67	43	114623	89.290	ug/l	97
26) 2,2-Dichloropropane	4.59	77	38380	15.848	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	35437	17.407	ug/l	99
28) Bromochloromethane	5.01	49	26484	19.055	ug/l	98
29) Tetrahydrofuran	5.13	42	71518	87.951	ug/l	99
30) Chloroform	5.21	83	55693	17.469	ug/l	97
31) Cyclohexane	5.58	56	42051	15.642	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	46949	17.022	ug/l	98
36) 1,1-Dichloropropene	5.80	75	37841	16.676	ug/l	98
37) Ethyl Acetate	4.84	43	41278	17.765	ug/l	96
38) Carbon Tetrachloride	5.79	117	38666	16.352	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Wed Jul 24 05:39:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	45898	15.597	ug/l	98
40) Benzene	6.14	78	123388	17.751	ug/l	98
41) Methacrylonitrile	5.05	41	22500	17.058	ug/l	99
42) 1,2-Dichloroethane	6.20	62	44167	18.274	ug/l	99
43) Isopropyl Acetate	6.45	43	66482	17.400	ug/l	99
44) Trichloroethene	7.21	130	35342	17.177	ug/l	93
45) 1,2-Dichloropropane	7.51	63	31321	17.704	ug/l	97
46) Dibromomethane	7.66	93	22531	17.822	ug/l	97
47) Bromodichloromethane	7.90	83	37459	16.646	ug/l	94
48) Methyl methacrylate	7.77	41	32126	17.260	ug/l	98
49) 1,4-Dioxane	7.74	88	17745	340.830	ug/l	95
51) 4-Methyl-2-Pentanone	8.64	43	227537	91.869	ug/l	99
52) Toluene	8.78	92	80297	17.584	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	38715	16.000	ug/l	96
54) cis-1,3-Dichloropropene	8.43	75	44142	16.394	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	34208	18.194	ug/l	98
56) Ethyl methacrylate	9.18	69	49019	17.823	ug/l	98
57) 1,3-Dichloropropane	9.37	76	53487	17.933	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.31	63	132049	100.580	ug/l	99
59) 2-Hexanone	9.49	43	177901	92.608	ug/l	99
60) Dibromochloromethane	9.58	129	31000	16.130	ug/l	99
61) 1,2-Dibromoethane	9.67	107	35394	17.738	ug/l	99
64) Tetrachloroethene	9.34	164	35447	18.044	ug/l	96
65) Chlorobenzene	10.13	112	90061	17.559	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	31492	17.470	ug/l	98
67) Ethyl Benzene	10.25	91	152489	17.467	ug/l	98
68) m/p-Xylenes	10.36	106	118138	35.277	ug/l	99
69) o-Xylene	10.69	106	58378	17.862	ug/l	97
70) Styrene	10.71	104	97823	17.955	ug/l	100
71) Bromoform	10.85	173	21664	15.076	ug/l #	99
73) Isopropylbenzene	11.02	105	158073	17.497	ug/l	99
74) N-amyl acetate	10.90	43	57794	16.742	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	53277	18.020	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	44288m	18.356	ug/l	
77) Bromobenzene	11.25	156	42840	17.191	ug/l	98
78) n-propylbenzene	11.36	91	172478	17.278	ug/l	100
79) 2-Chlorotoluene	11.42	91	103620	17.280	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	132022	17.488	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	11741	15.327	ug/l	87
82) 4-Chlorotoluene	11.51	91	119531	17.126	ug/l	100
83) tert-Butylbenzene	11.77	119	127746	17.228	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	131205	17.244	ug/l	100
85) sec-Butylbenzene	11.94	105	151173	17.399	ug/l	100
86) p-Isopropyltoluene	12.06	119	141111	17.567	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	75195	17.387	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	74315	16.755	ug/l	96
89) n-Butylbenzene	12.38	91	117853	17.149	ug/l	100
90) Hexachloroethane	12.59	117	18497	14.600	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	76924	17.947	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	10224	16.543	ug/l	99

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VX0731MBS01

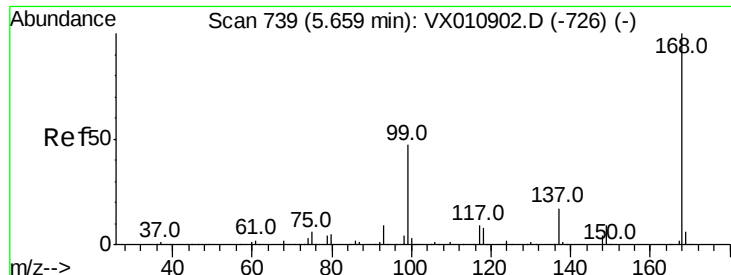
Manual Integrations
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8/1/2019 11:19:56 AM

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	50584	17.414	uq/l	99
94) Hexachlorobutadiene	13.78	225	25237	17.533	uq/l	98
95) Naphthalene	13.83	128	160034	18.658	uq/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	52547	18.181	uq/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX011248.D

Acq: 31 Jul 2019 17:16

Instrument :

MSVOA_X

ClientSampleId :

VX0731MBS01

Tot Ion:168 Resp: 186118

Ion Ratio Lower Upper

168 100

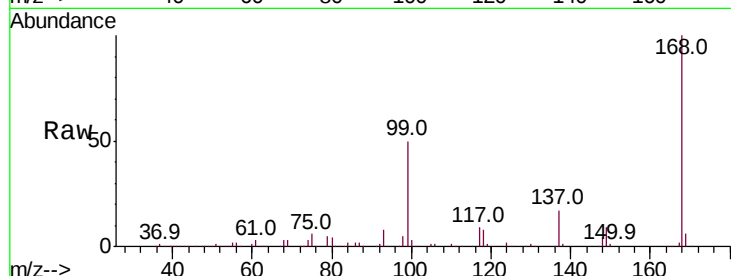
99 49.8 37.6 56.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

60000

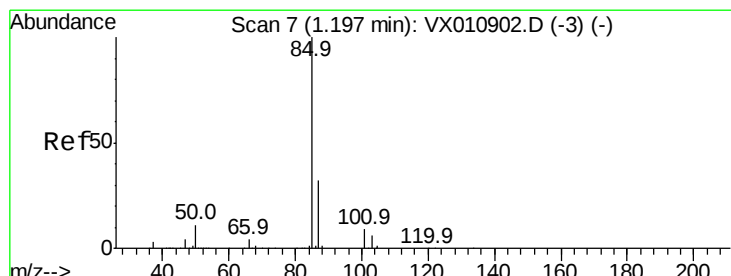
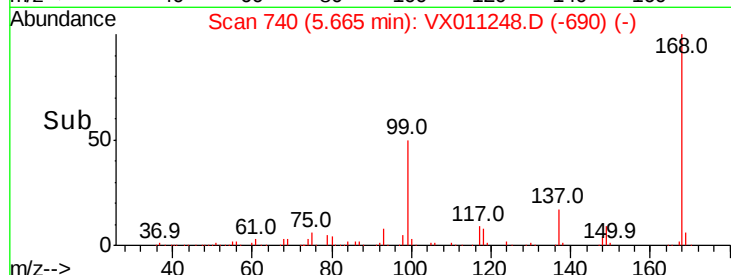
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 15.520 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX011248.D

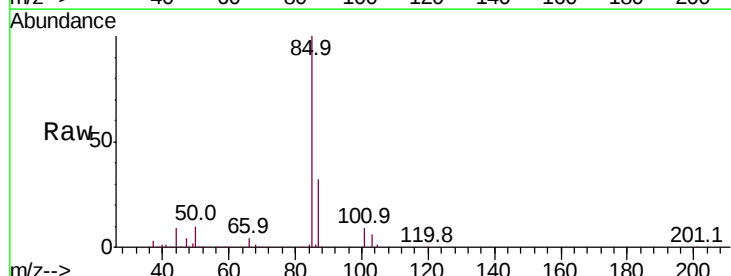
Acq: 31 Jul 2019 17:16

Tgt Ion: 85 Resp: 30045

Ion Ratio Lower Upper

85 100

87 31.7 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

30000

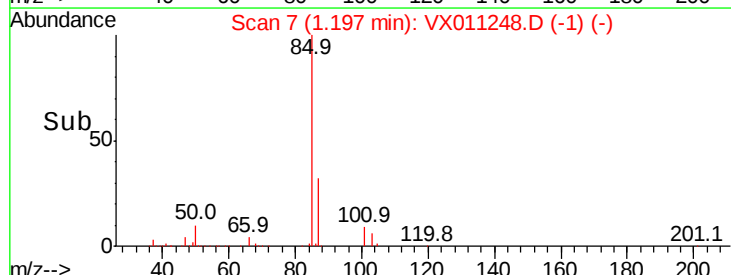
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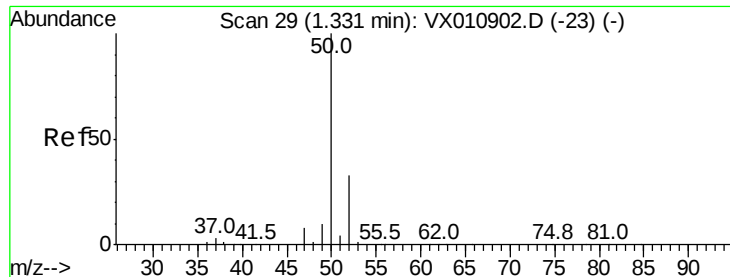
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0

Time-->

1.15 1.20 1.25





#3

Chloromethane

Concen: 15.762 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX011248.D

Acq: 31 Jul 2019 17:16

Instrument :

MSVOA_X

ClientSampleId :

VX0731MBS01

Tot Ion: 50 Resp: 26977

Ion Ratio Lower Upper

50 100

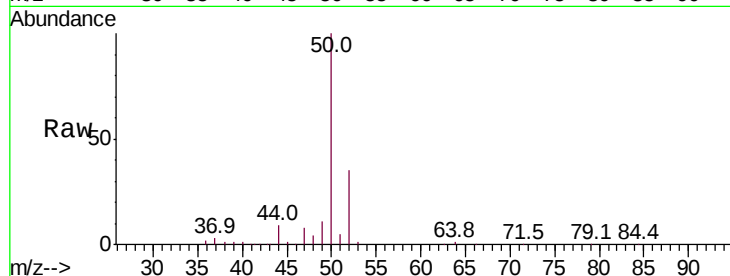
52 34.5 26.4 39.6

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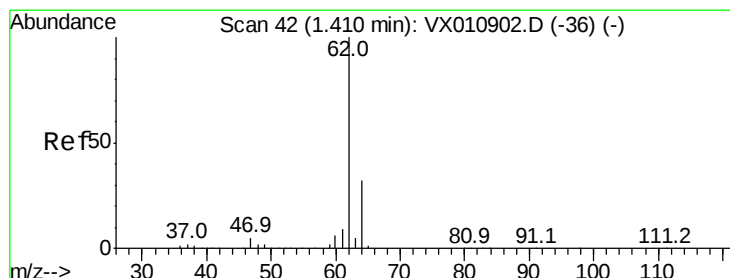
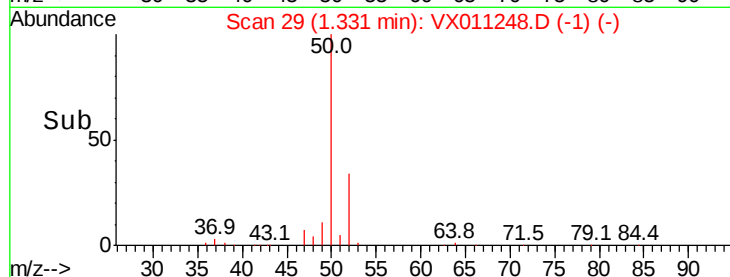
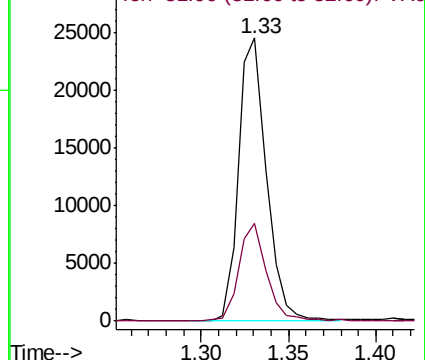
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 16.966 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX011248.D

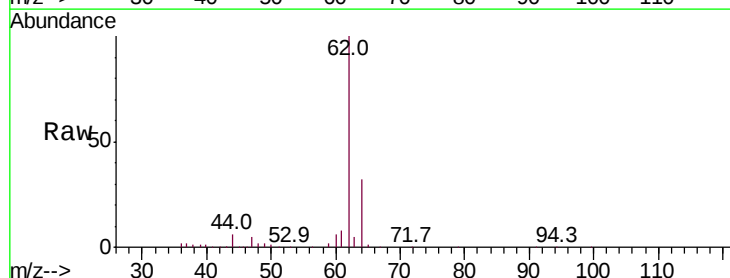
Acq: 31 Jul 2019 17:16

Tgt Ion: 62 Resp: 29618

Ion Ratio Lower Upper

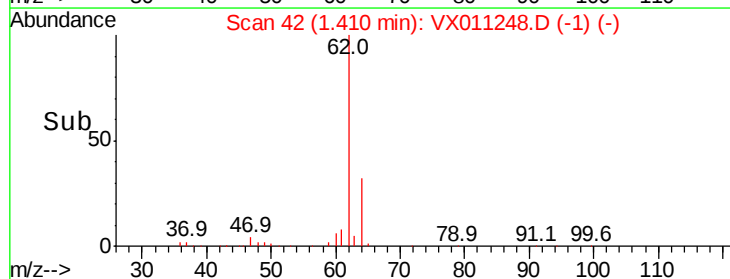
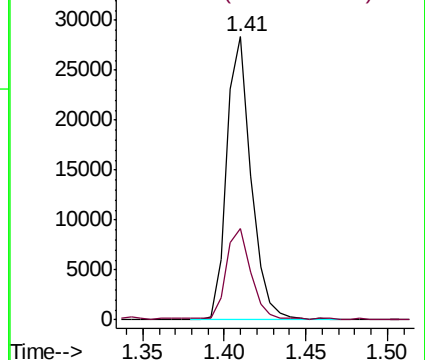
62 100

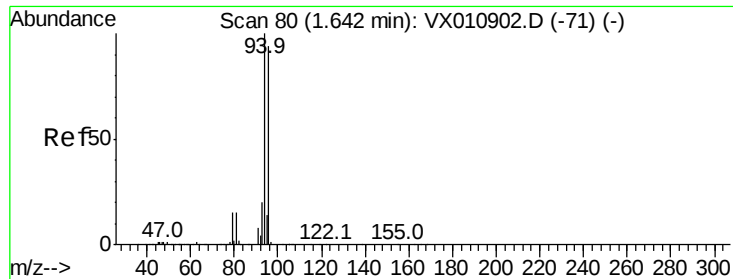
64 32.0 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 20.940 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.00 min

Lab File: VX011248.D

Acq: 31 Jul 2019 17:16

Instrument :

MSVOA_X

ClientSampleId :

VX0731MBS01

Tot Ion: 94 Resp: 20600

Ion Ratio Lower Upper

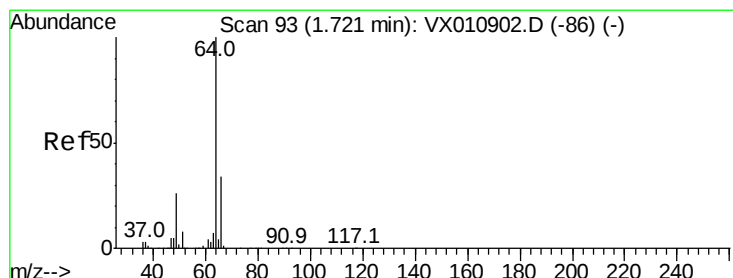
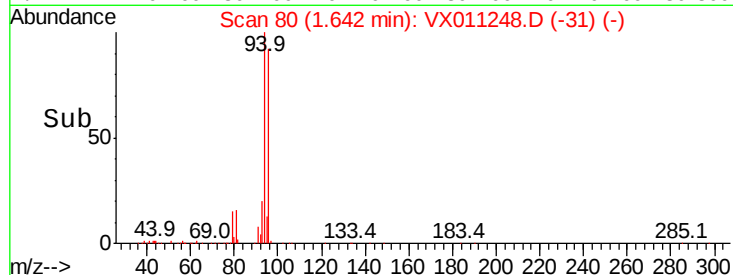
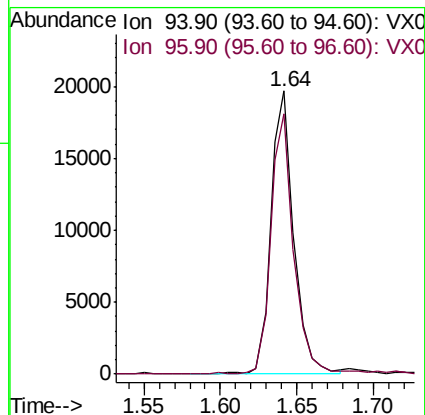
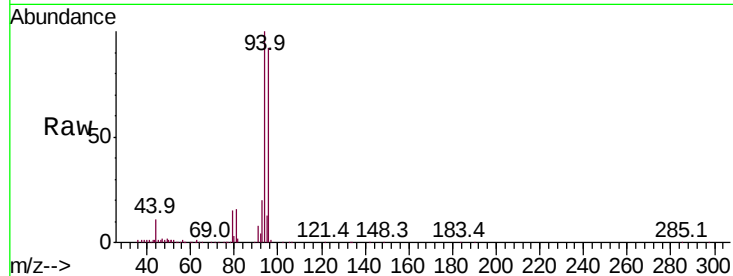
94 100

96 92.2 75.6 113.4

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#6

Chloroethane

Concen: 18.290 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX011248.D

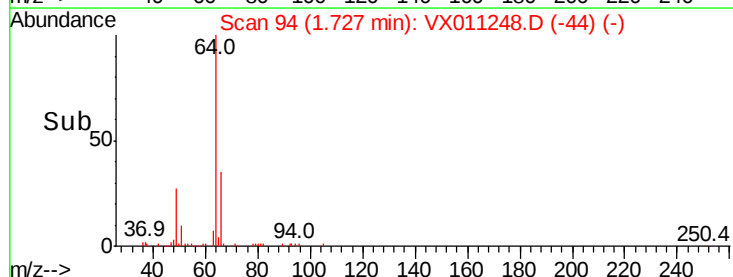
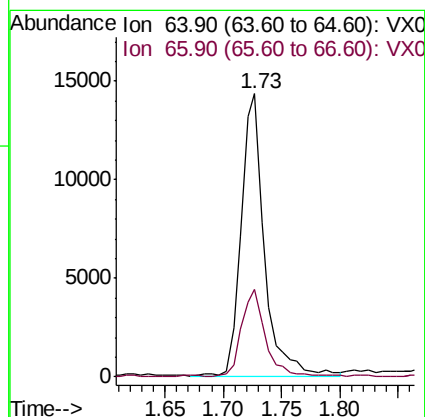
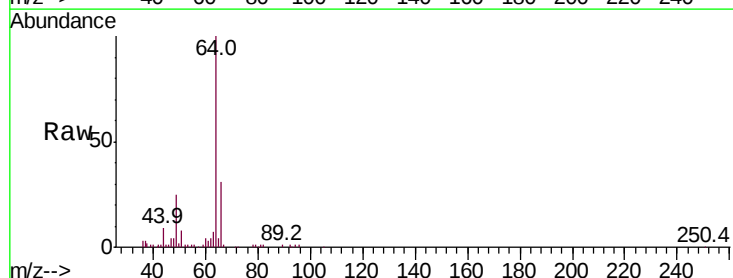
Acq: 31 Jul 2019 17:16

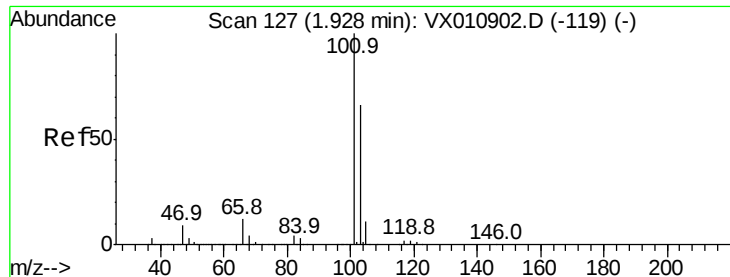
Tgt Ion: 64 Resp: 20291

Ion Ratio Lower Upper

64 100

66 30.3 27.0 40.6





#7

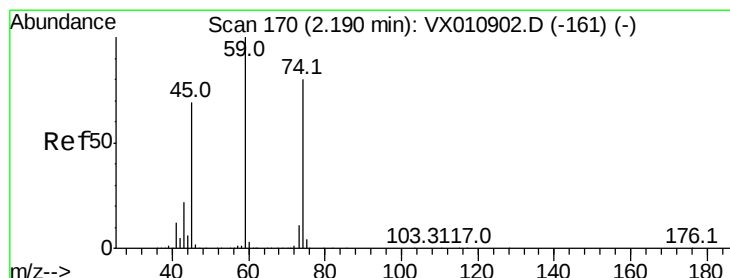
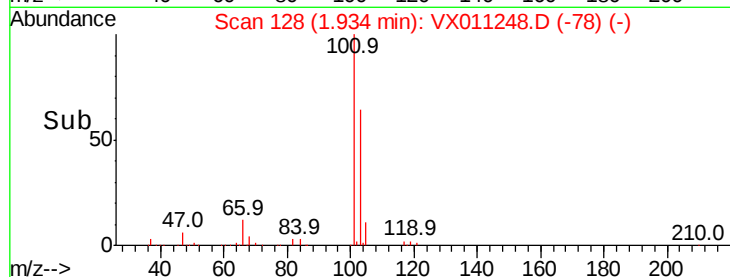
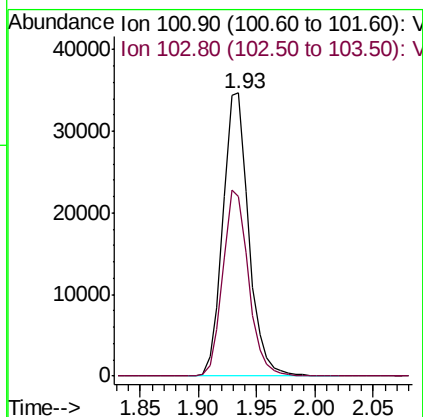
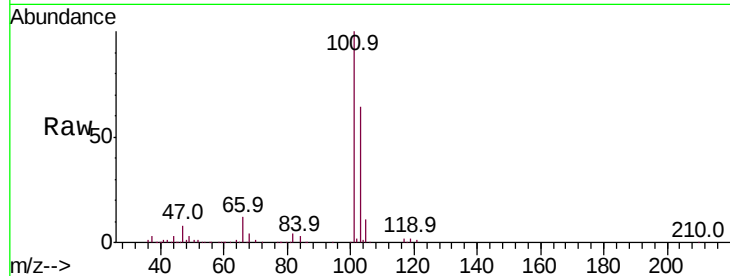
Trichlorofluoromethane
Concen: 18.025 ug/l
RT: 1.93 min Scan# 128
Delta R.T. 0.01 min
Lab File: VX011248.D
Acq: 31 Jul 2019 17:16

Instrument :
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ClientSampleId :
VX0731MBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	53267		
103	63.6	52.6	78.8	

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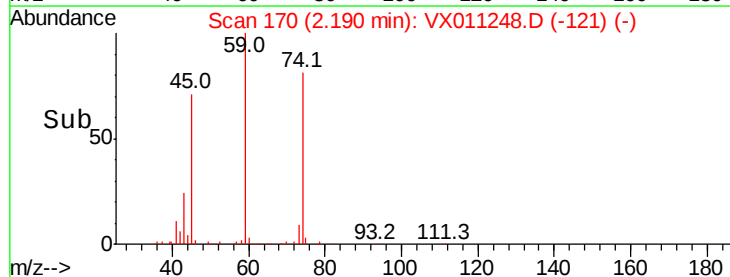
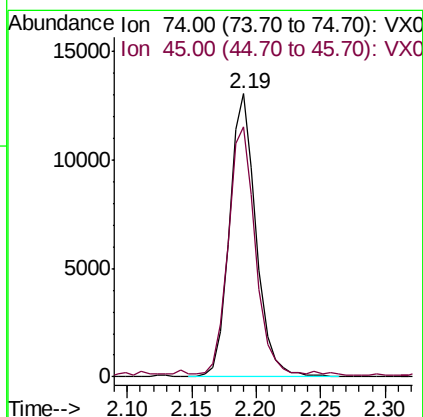
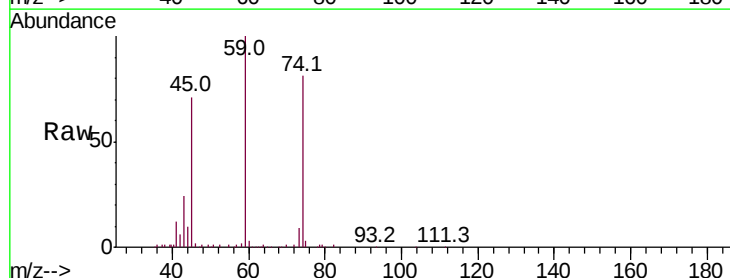
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8/1/2019 11:19:56 AM

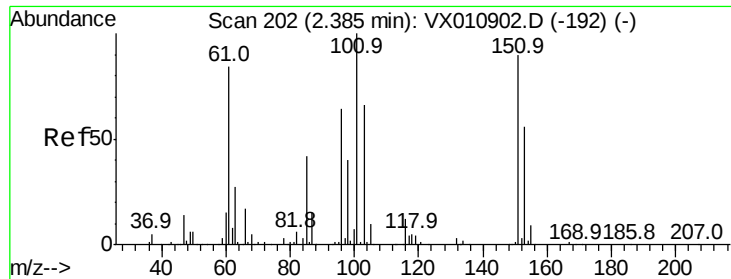


#8

Diethyl Ether
Concen: 18.535 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX011248.D
Acq: 31 Jul 2019 17:16

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	18872		
45	88.5	45.5	136.5	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.553 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX011248.D

Acq: 31 Jul 2019 17:16

Instrument :

MSVOA_X

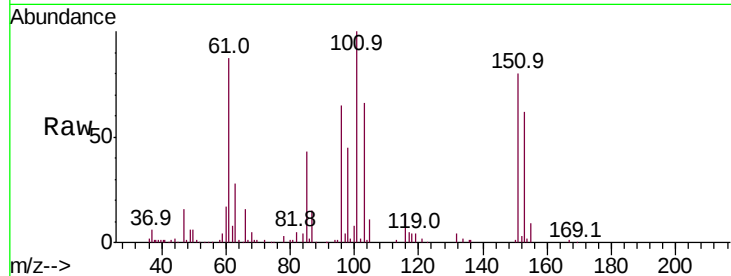
ClientSampleId :

VX0731MBS01

Tot Ion:	101	Resp:	29617
Ion Ratio	Lower	Upper	
101	100		
85	43.9	34.6	52.0
151	84.0	69.6	104.4

Manual Integrations
APPROVED

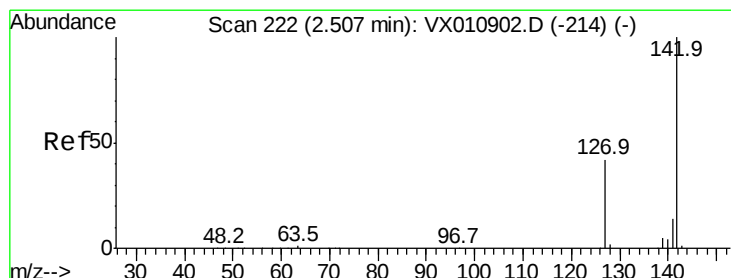
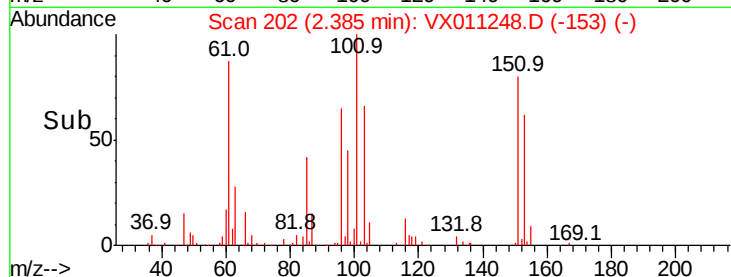
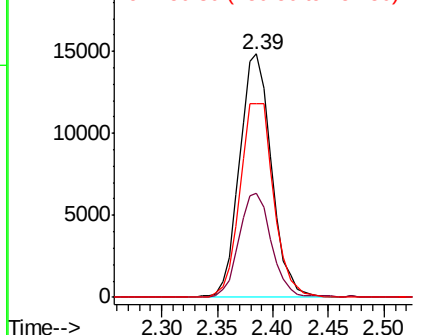
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 12.848 ug/l

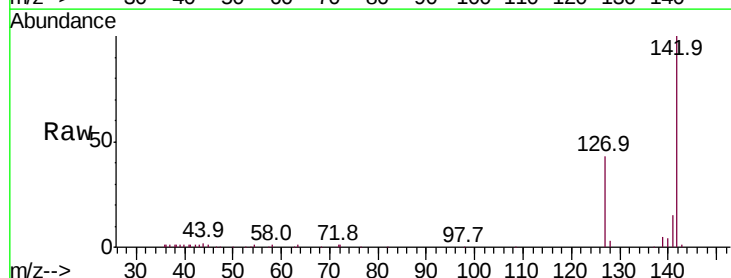
RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX011248.D

Acq: 31 Jul 2019 17:16

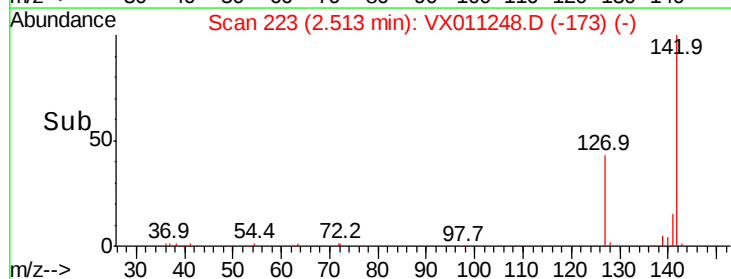
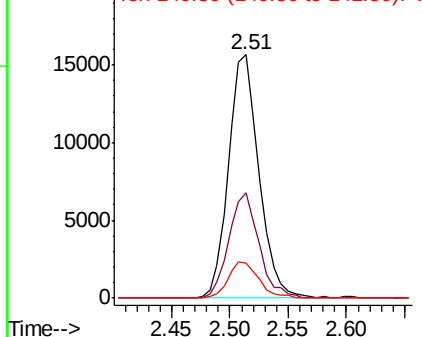
Tgt Ion:	142	Resp:	28448
Ion Ratio	Lower	Upper	
142	100		
127	42.9	34.2	51.4
141	15.2	11.7	17.5



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

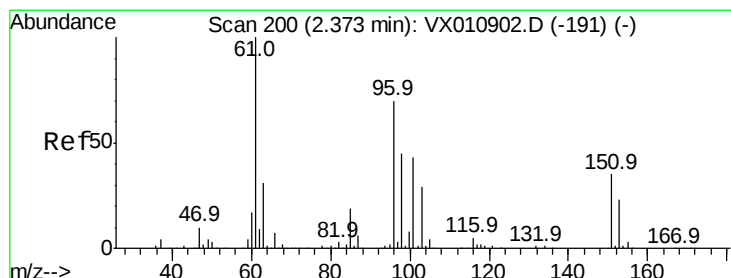
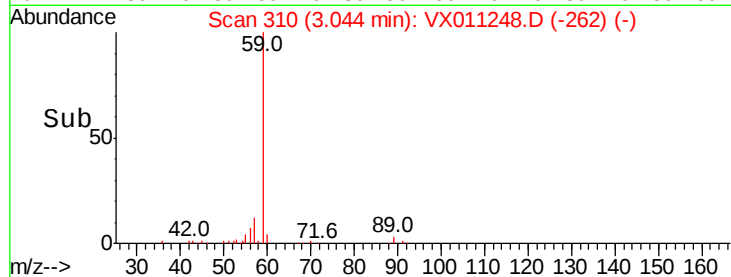
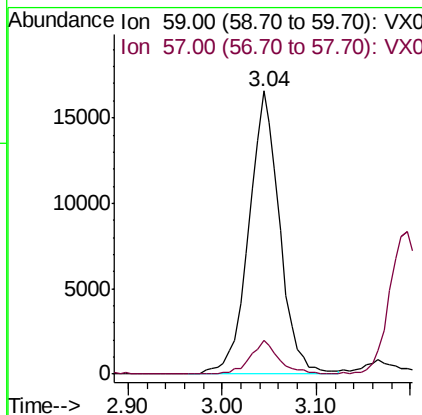
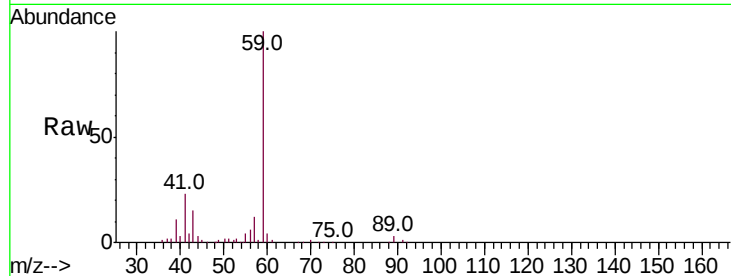
Tert butyl alcohol
Concen: 82.435 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX011248.D
Acq: 31 Jul 2019 17:16

Instrument :
MSVOA_X
ClientSampled :
VX0731MBS01

Tot Ion: 59 Resp: 38013
Ion Ratio Lower Upper
59 100
57 11.0 7.9 11.9

Manual Integrations
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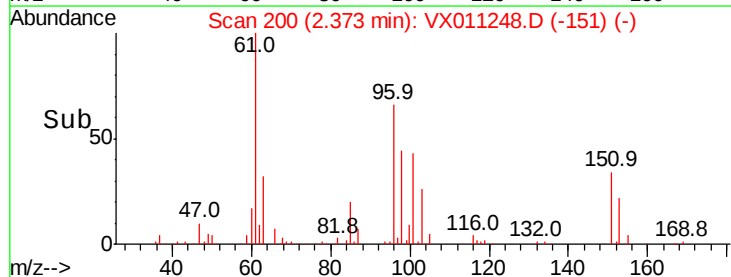
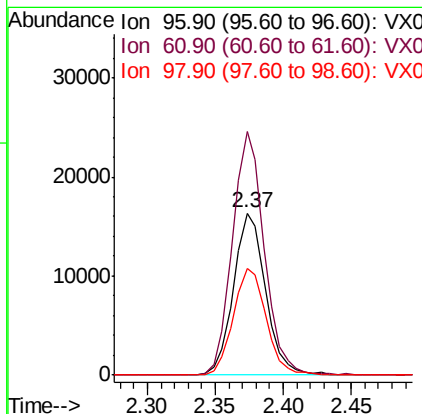
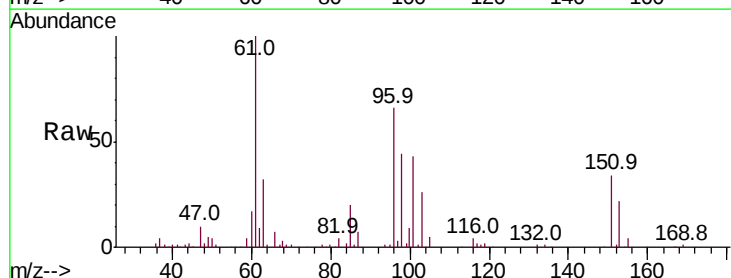
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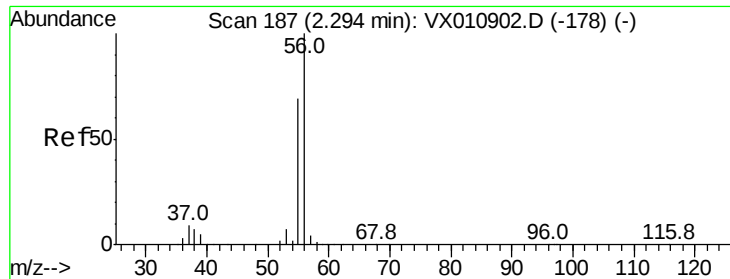


#12

1,1-Dichloroethene
Concen: 16.250 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX011248.D
Acq: 31 Jul 2019 17:16

Tgt Ion: 96 Resp: 26939
Ion Ratio Lower Upper
96 100
61 150.6 115.0 172.4
98 65.9 52.2 78.2





#13

Acrolein

Concen: 94.823 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX011248.D

Acq: 31 Jul 2019 17:16

Instrument :

MSVOA_X

ClientSampleId :

VX0731MBS01

Tot Ion: 56 Resp: 25263

Ion Ratio Lower Upper

56 100

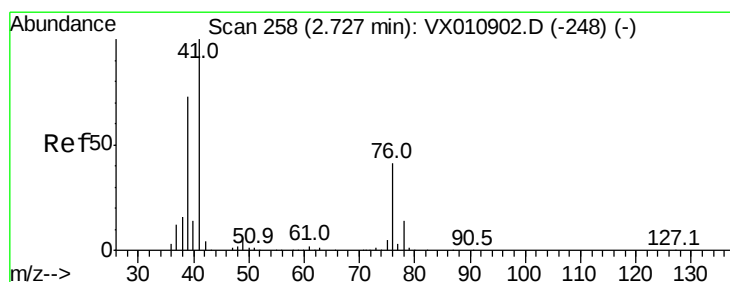
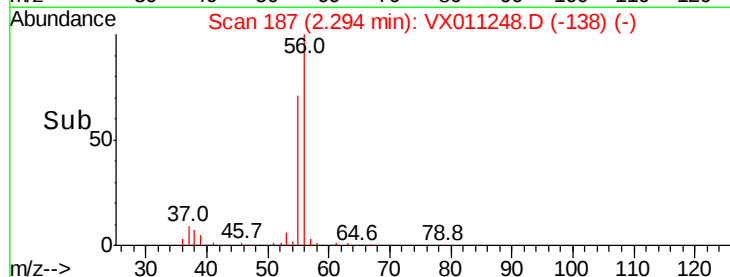
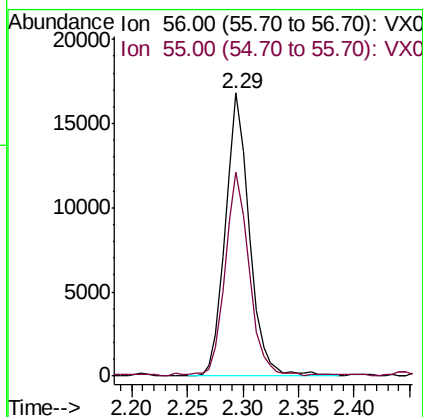
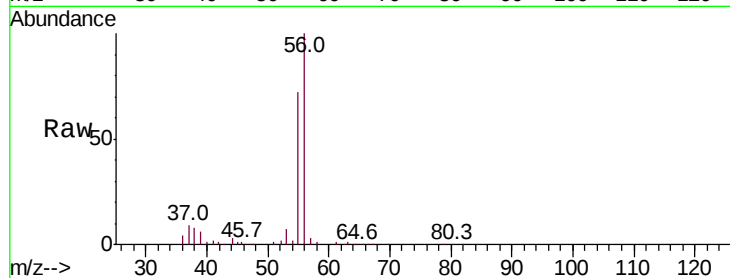
55 71.8 55.9 83.9

Manual Integrations

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#14

Allyl chloride

Concen: 16.121 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX011248.D

Acq: 31 Jul 2019 17:16

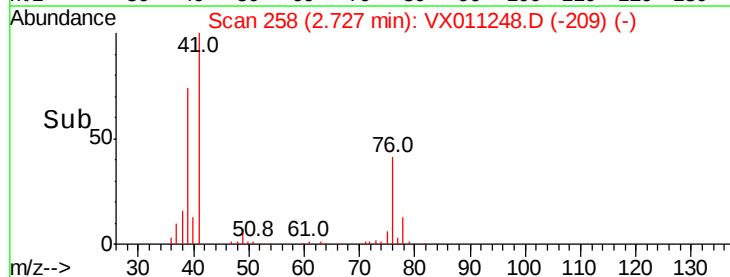
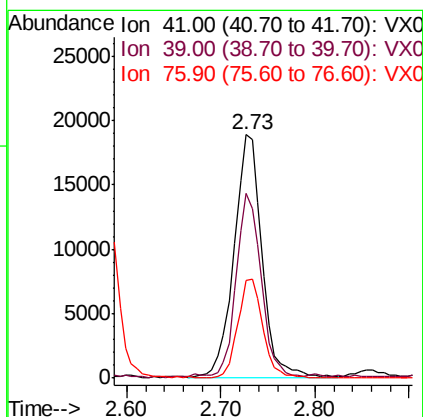
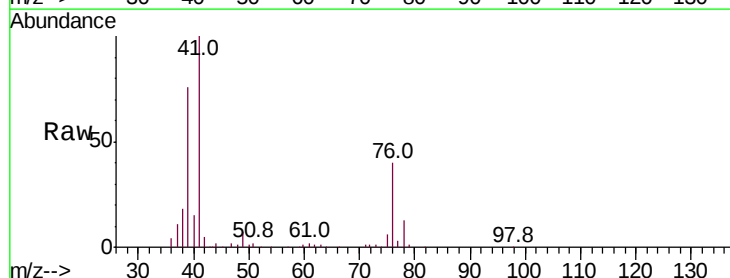
Tgt Ion: 41 Resp: 38819

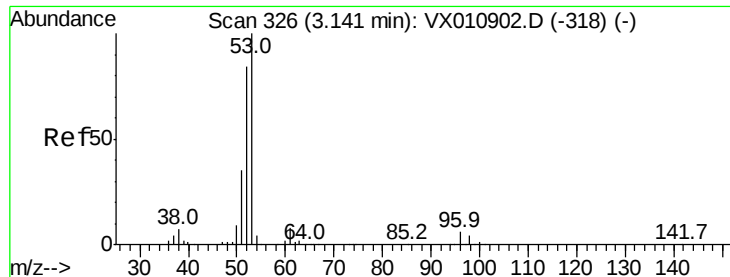
Ion Ratio Lower Upper

41 100

39 67.0 53.6 80.4

76 36.6 29.7 44.5





#15

Acrylonitrile

Concen: 90.697 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX011248.D

Acq: 31 Jul 2019 17:16

Instrument :

MSVOA_X

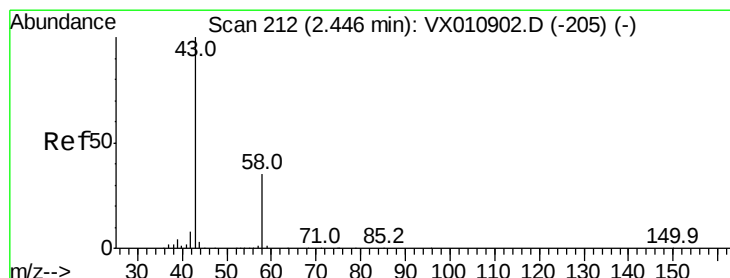
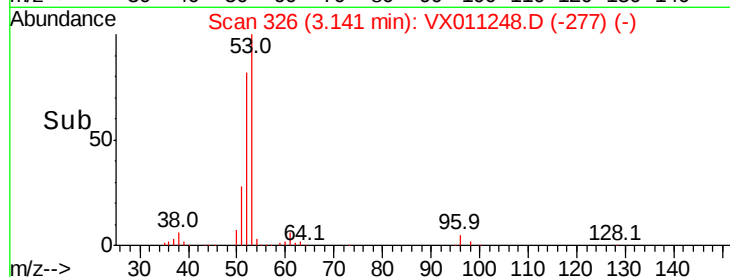
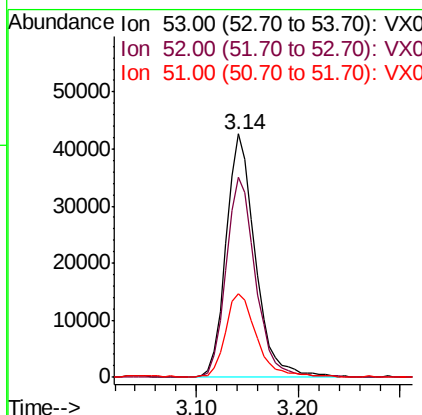
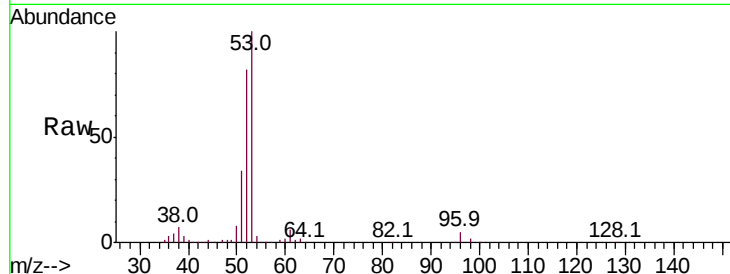
ClientSampleId :

VX0731MBS01

Tot Ion:	53	Resp:	84511
Ion Ratio	Lower	Upper	
53	100		
52	82.9	66.5	99.7
51	36.9	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 82.937 ug/l

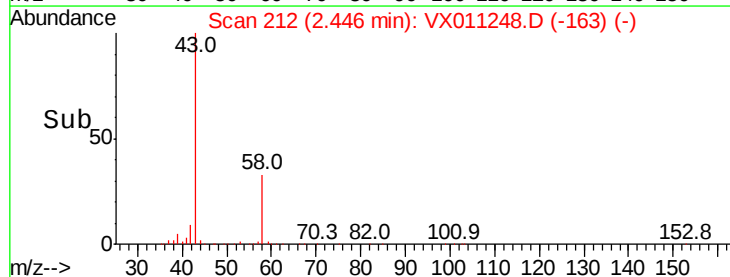
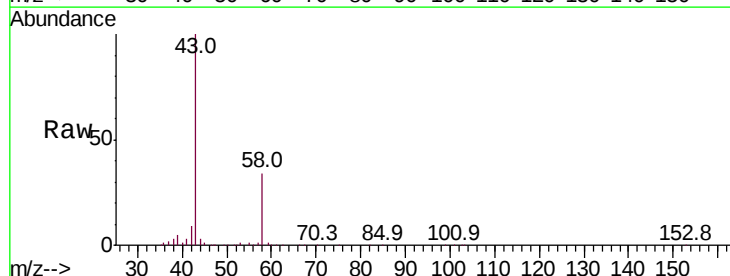
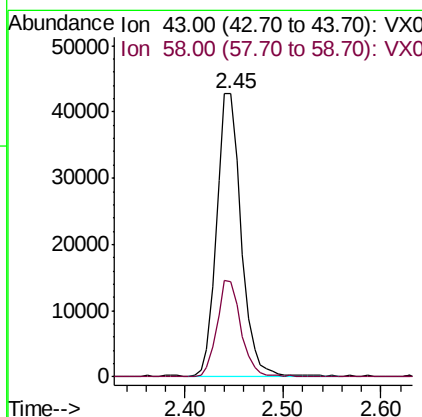
RT: 2.45 min Scan# 212

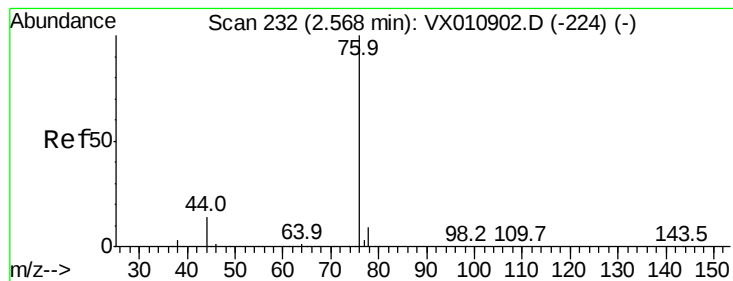
Delta R.T. -0.00 min

Lab File: VX011248.D

Acq: 31 Jul 2019 17:16

Tgt Ion:	43	Resp:	74168
Ion Ratio	Lower	Upper	
43	100		
58	33.6	27.7	41.5





#17

Carbon Disulfide

Concen: 11.894 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX011248.D

Acq: 31 Jul 2019 17:16

Instrument :

MSVOA_X

ClientSampleId :

VX0731MBS01

Tot Ion: 76 Resp: 50579

Ion Ratio Lower Upper

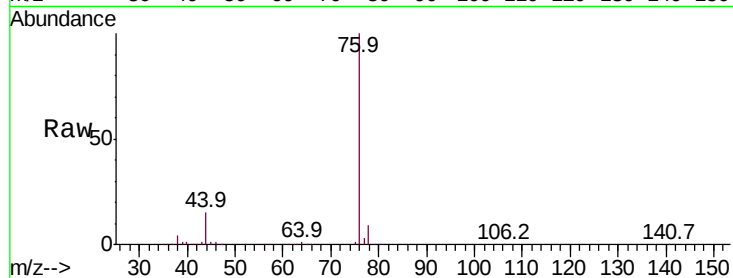
76 100

78 9.2 7.4 11.0

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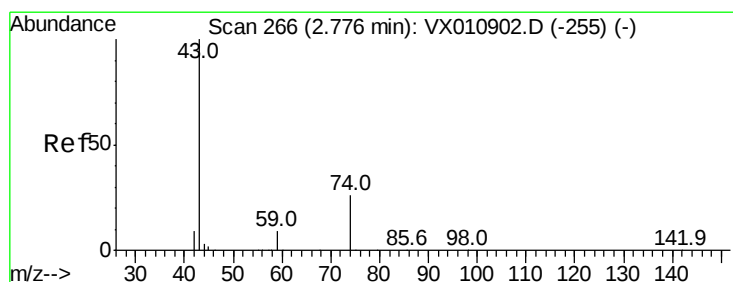
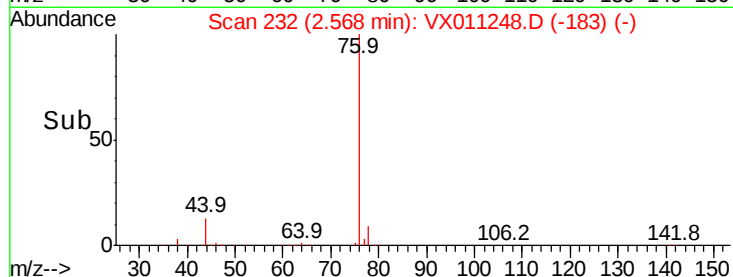
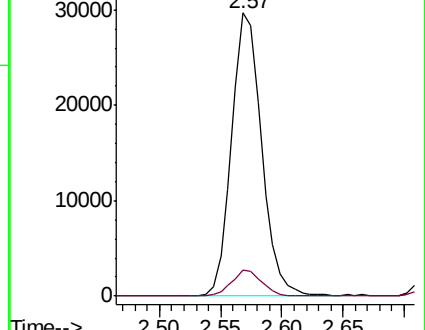
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 20.032 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX011248.D

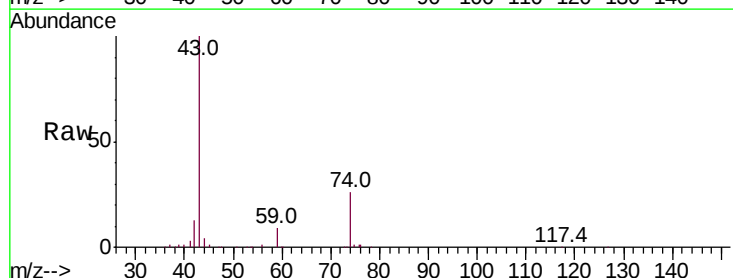
Acq: 31 Jul 2019 17:16

Tgt Ion: 43 Resp: 40790

Ion Ratio Lower Upper

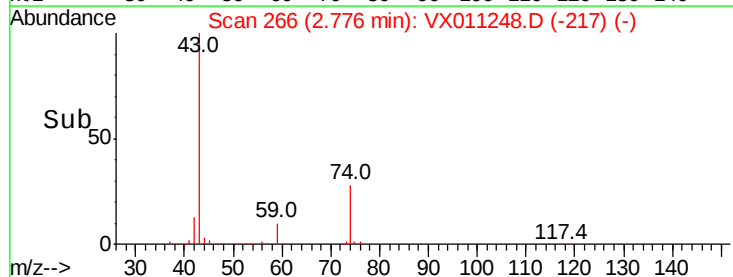
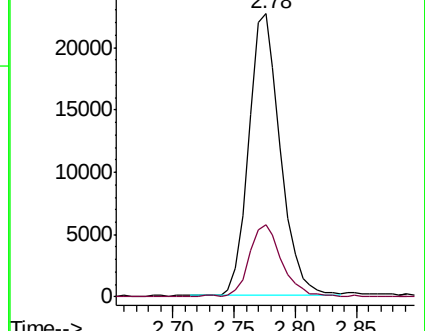
43 100

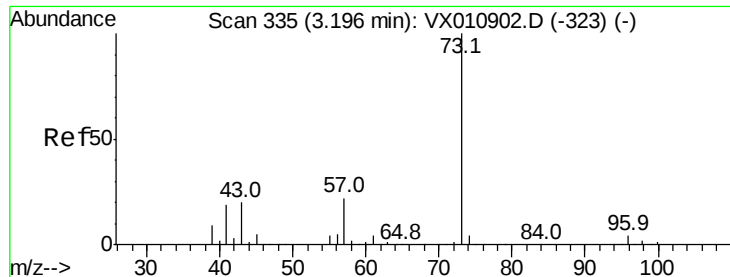
74 26.7 21.5 32.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





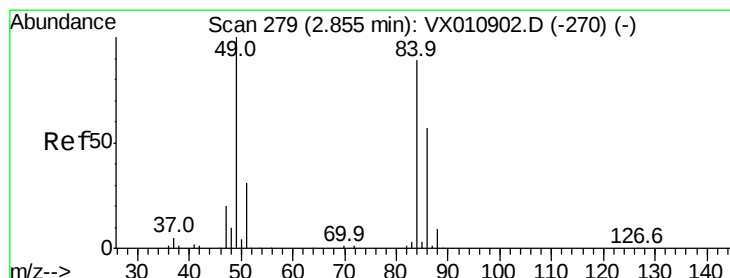
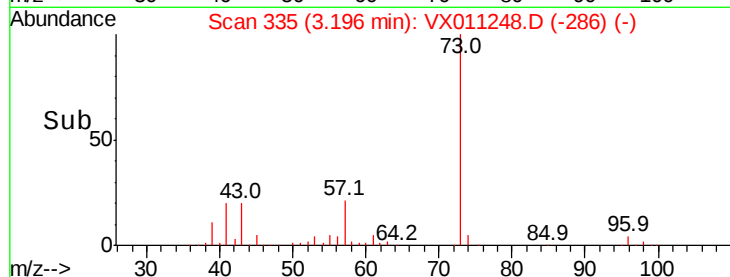
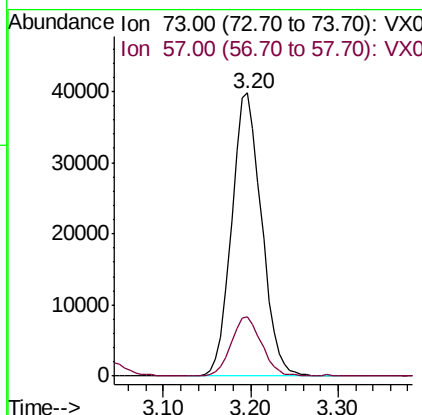
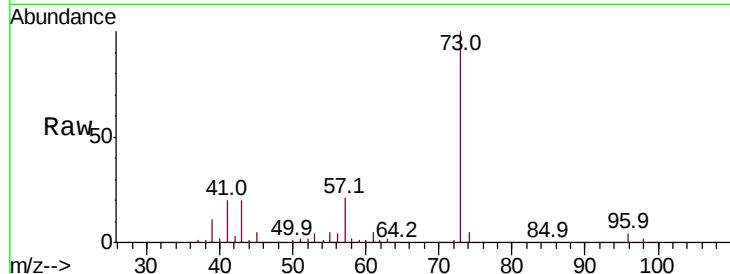
#19
Methvl tert-butvl Ether
Concen: 17.741 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX011248.D
Acq: 31 Jul 2019 17:16

Instrument :
MSVOA_X
ClientSampleId :
VX0731MBS01

Tot Ion: 73 Resp: 94680
Ion Ratio Lower Upper
73 100
57 20.9 17.3 25.9

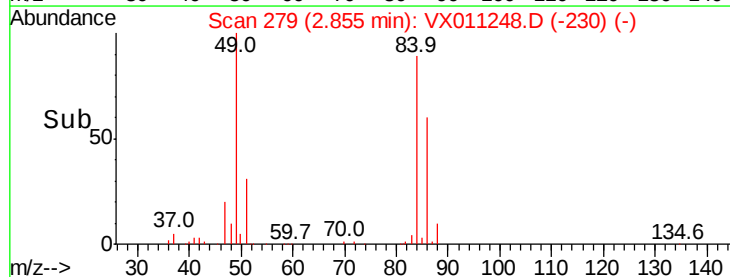
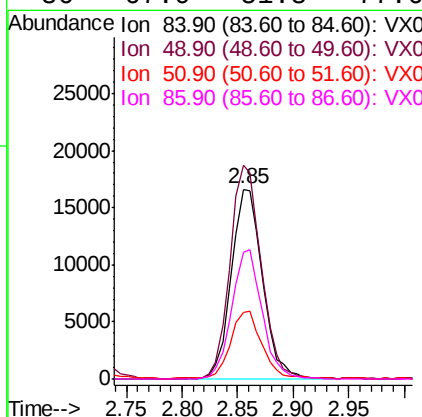
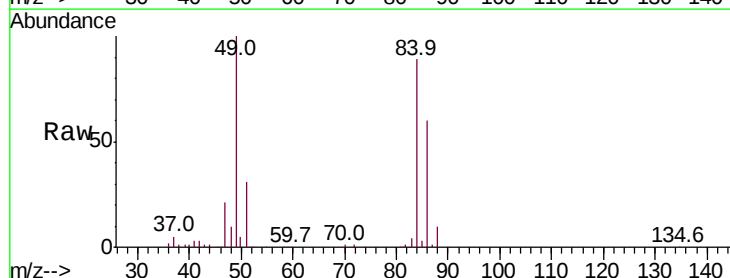
Manual Integrations
APPROVED

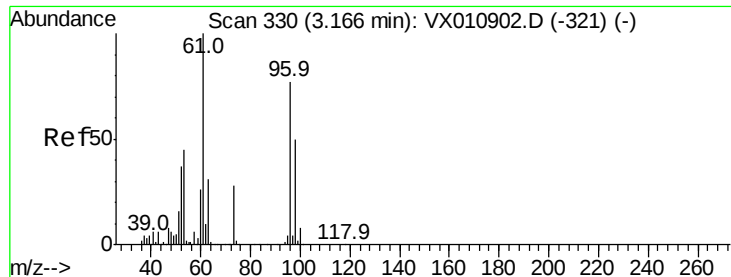
MMdadoda
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#20
Methylene Chloride
Concen: 17.064 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX011248.D
Acq: 31 Jul 2019 17:16

Tgt Ion: 84 Resp: 32339
Ion Ratio Lower Upper
84 100
49 112.4 89.9 134.9
51 34.4 27.8 41.6
86 67.0 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 16.247 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX011248.D

Acq: 31 Jul 2019 17:16

Instrument :

MSVOA_X

ClientSampled :

VX0731MBS01

Tot Ion: 96 Resp: 28579

Ion Ratio Lower Upper

96 100

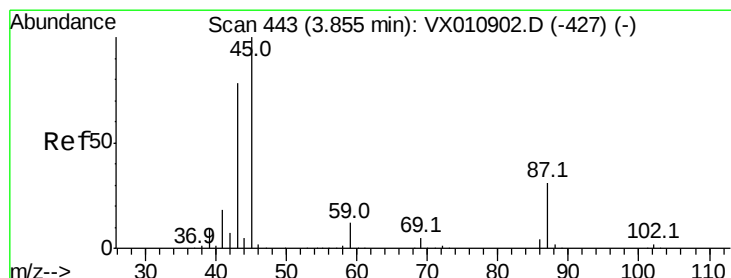
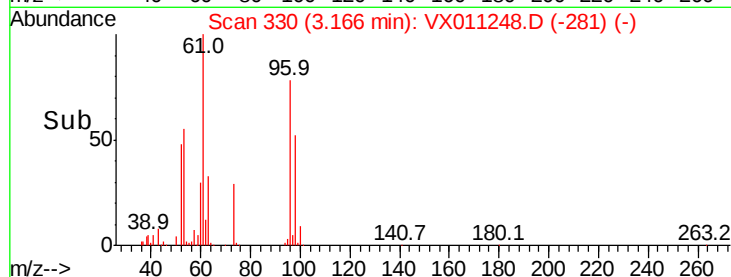
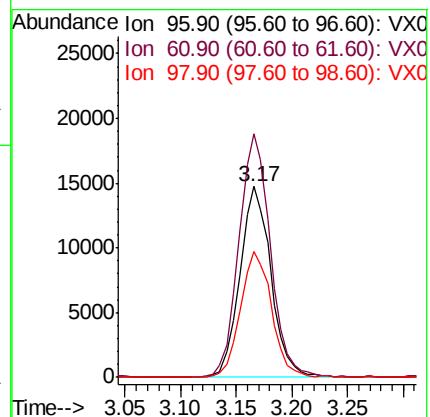
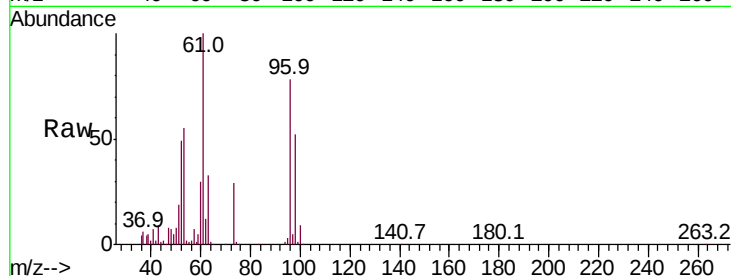
61 127.5 104.2 156.2

98 66.0 52.2 78.4

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#22

Diisopropyl ether

Concen: 17.864 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX011248.D

Acq: 31 Jul 2019 17:16

Tgt Ion: 45 Resp: 90725

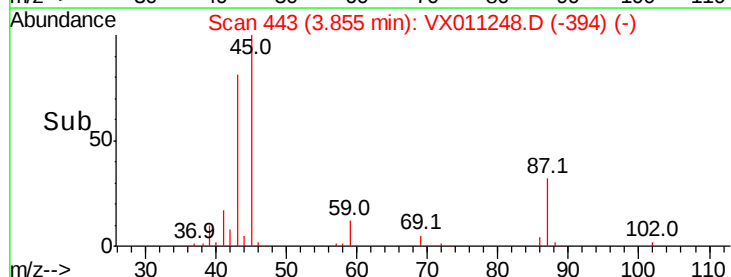
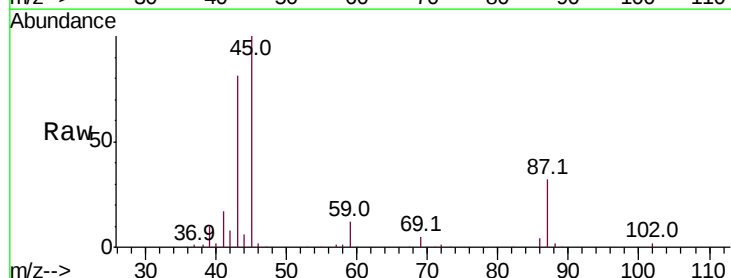
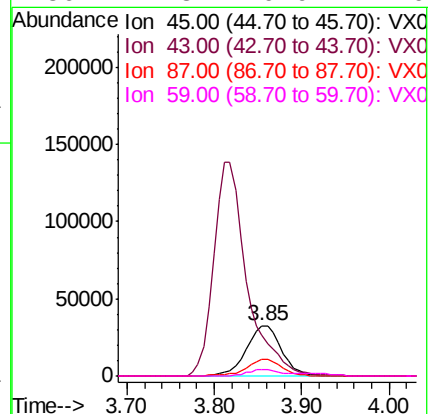
Ion Ratio Lower Upper

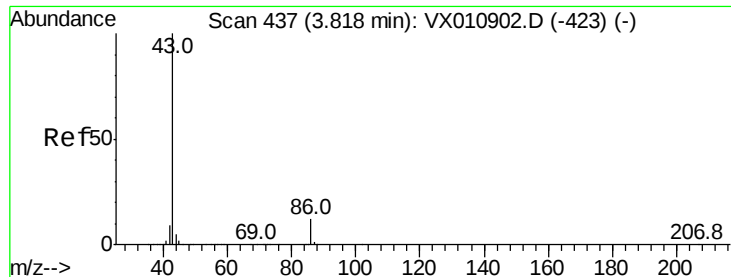
45 100

43 79.8 62.3 93.5

87 32.3 25.0 37.4

59 12.3 9.9 14.9





#23

Vinyl Acetate

Concen: 84.871 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX011248.D

Acq: 31 Jul 2019 17:16

Instrument :

MSVOA_X

ClientSampleId :

VX0731MBS01

Tot Ion: 43 Resp: 365209

Ion Ratio Lower Upper

43 100

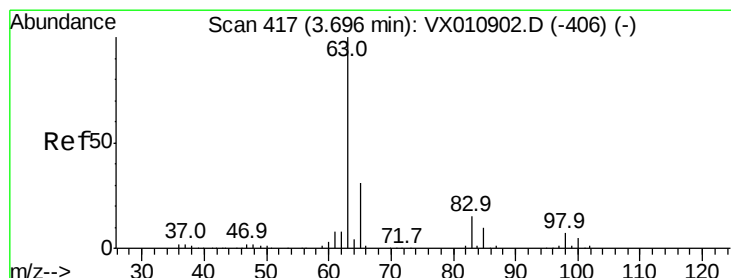
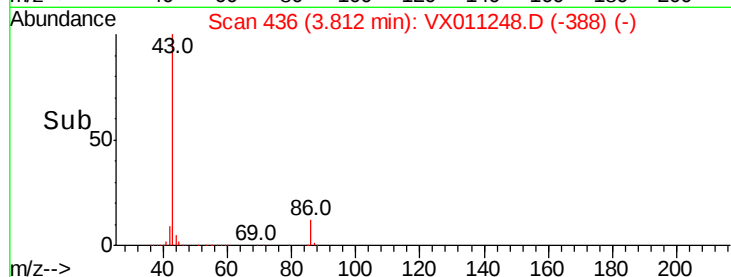
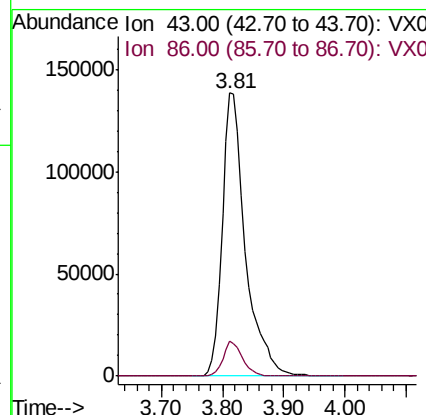
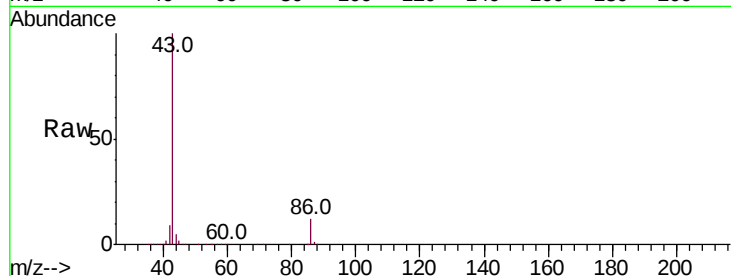
86 12.3 9.4 14.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 17.220 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX011248.D

Acq: 31 Jul 2019 17:16

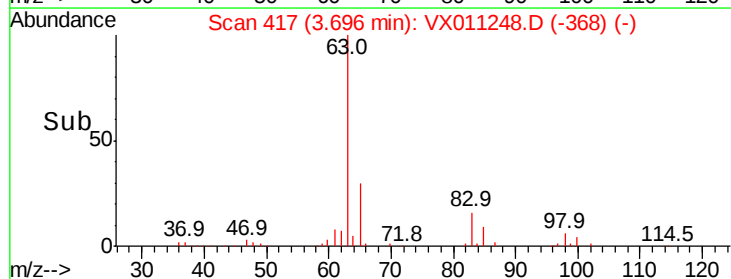
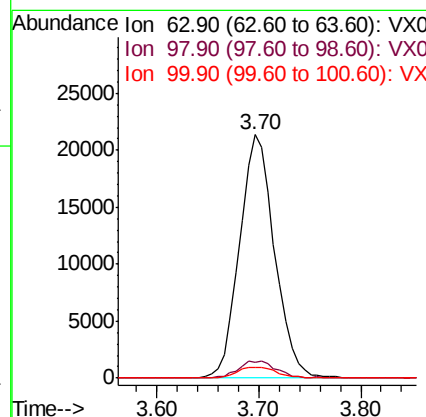
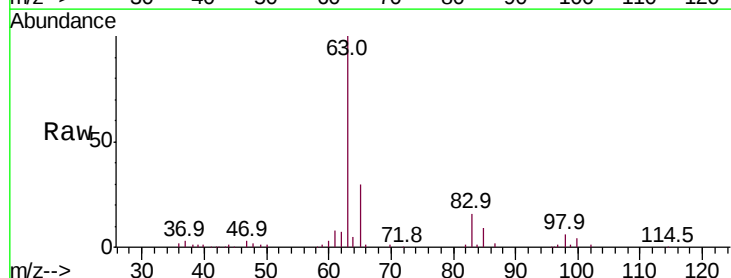
Tgt Ion: 63 Resp: 50790

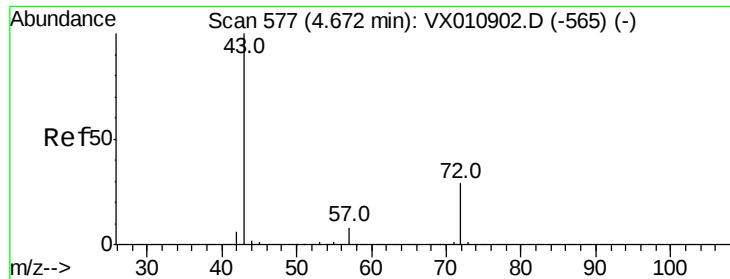
Ion Ratio Lower Upper

63 100

98 6.3 3.6 10.9

100 4.4 2.4 7.2





#25

2-Butanone

Concen: 89.290 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX011248.D

Acq: 31 Jul 2019 17:16

Instrument :

MSVOA_X

ClientSampleId :

VX0731MBS01

Tot Ion: 43 Resp: 114623

Ion Ratio Lower Upper

43 100

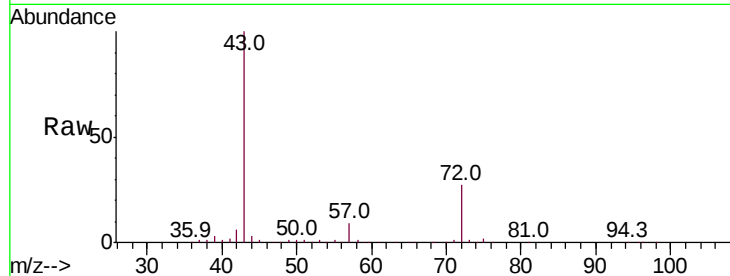
72 27.1 23.0 34.6

Manual Integrations

APPROVED

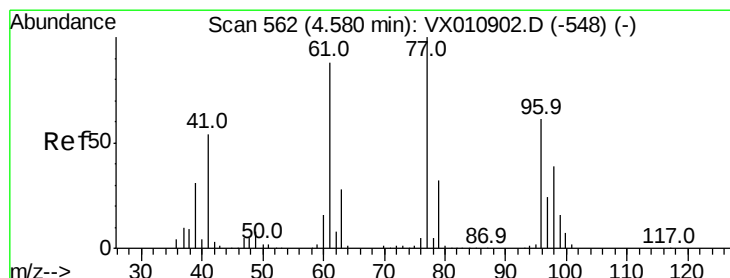
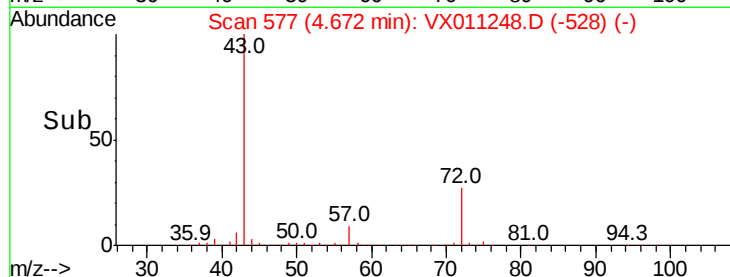
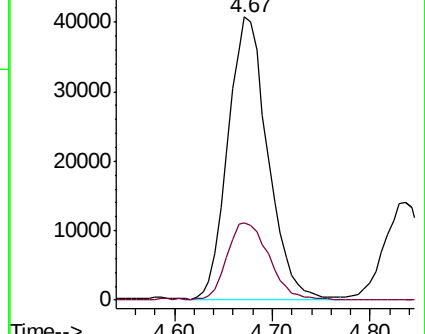
MMdadoda

8/1/2019 11:19:56 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 15.848 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX011248.D

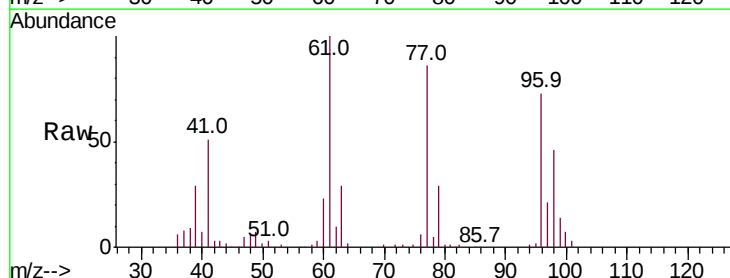
Acq: 31 Jul 2019 17:16

Tgt Ion: 77 Resp: 38380

Ion Ratio Lower Upper

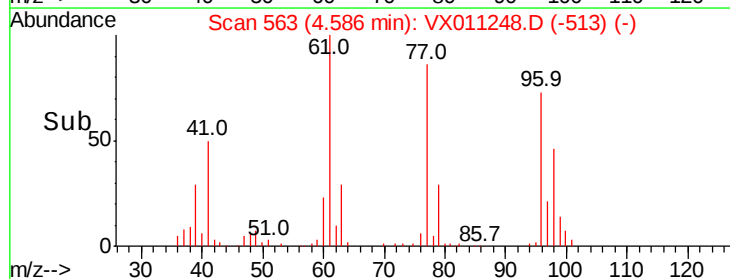
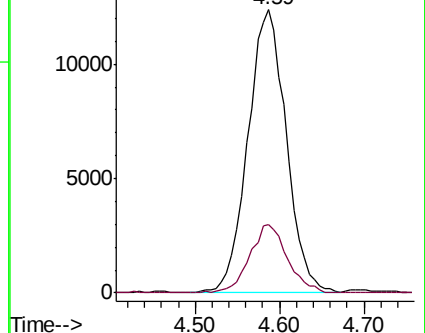
77 100

97 23.8 12.6 37.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

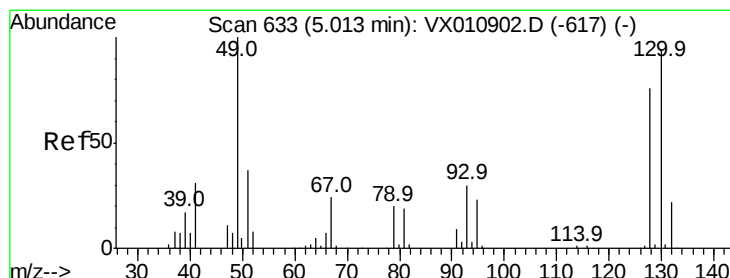
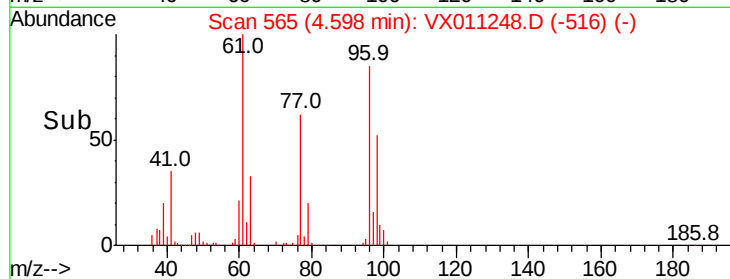
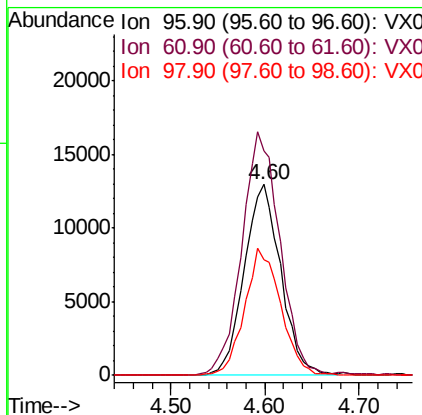
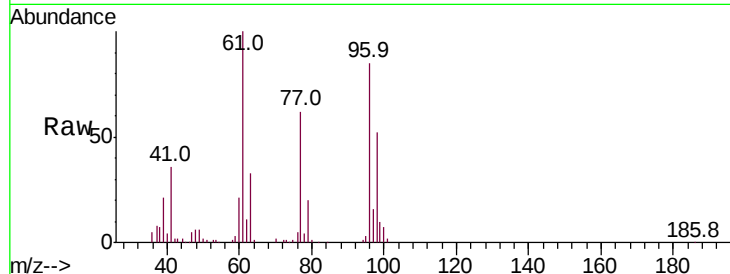
cis-1,2-Dichloroethene
Concen: 17.407 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX011248.D
Acq: 31 Jul 2019 17:16

Instrument :
MSVOA_X
ClientSampleId :
VX0731MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	132.3	0.0	269.0
98	65.6	0.0	131.4

Manual Integrations
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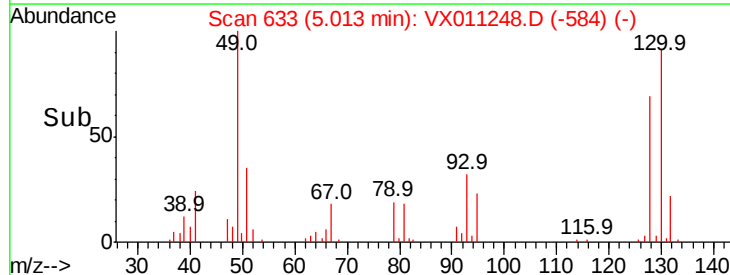
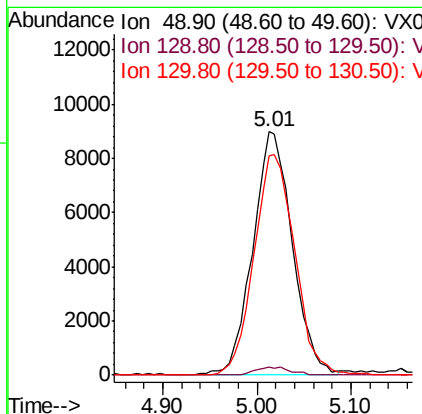
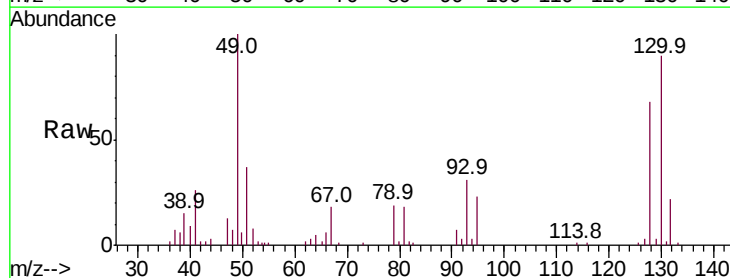
MMdadoda
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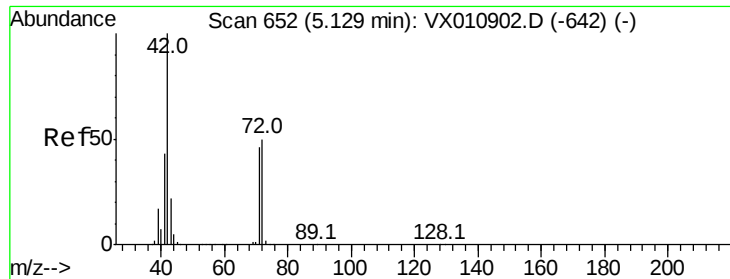


#28

Bromochloromethane
Concen: 19.055 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.00 min
Lab File: VX011248.D
Acq: 31 Jul 2019 17:16

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	5.2
130	93.6	76.9	115.3





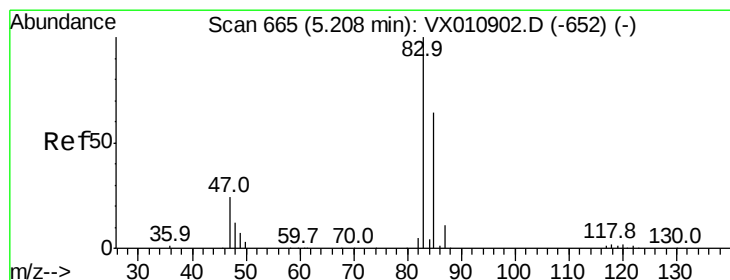
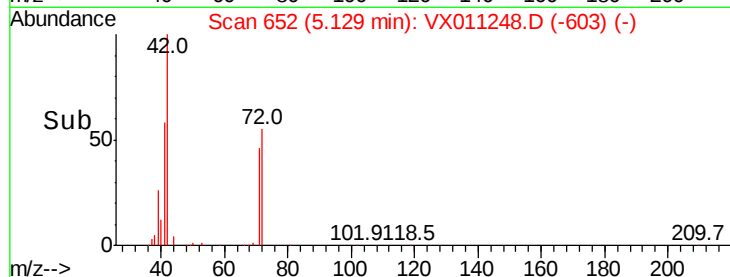
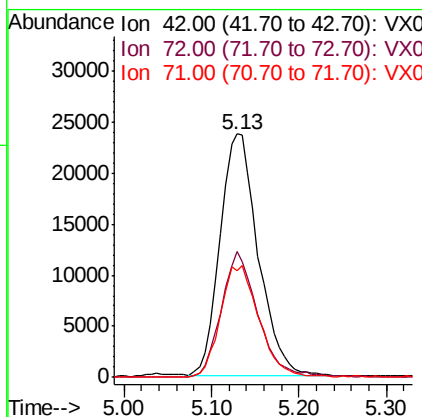
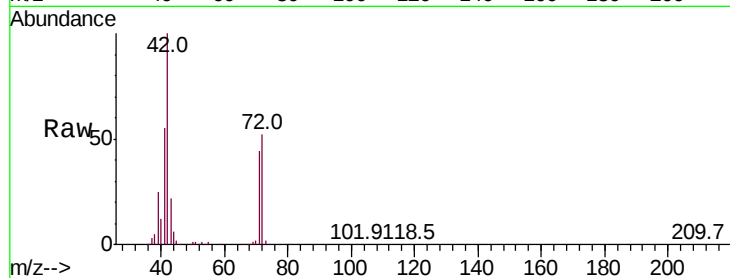
#29
Tetrahydrofuran
Concen: 87.951 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX011248.D
Acq: 31 Jul 2019 17:16

Instrument :
MSVOA_X
ClientSampled :
VX0731MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.3	39.8	59.8
71	47.0	37.0	55.4

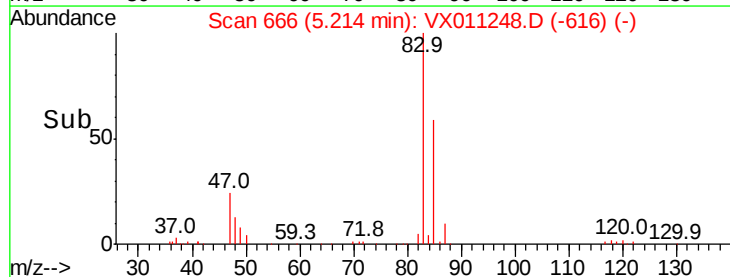
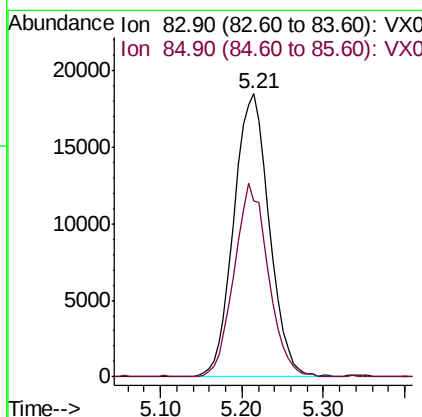
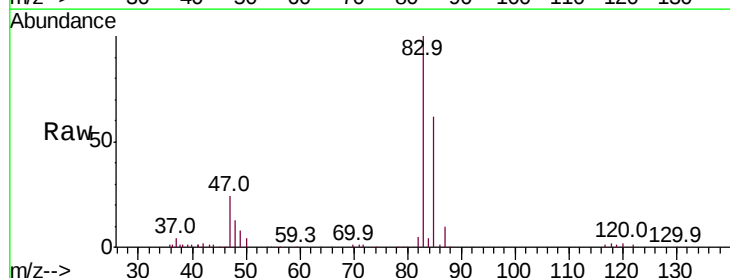
Manual Integrations
APPROVED

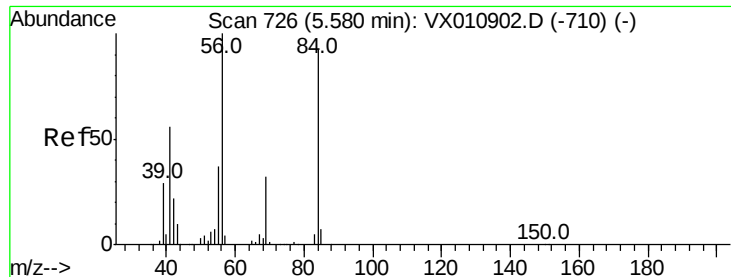
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#30
Chloroform
Concen: 17.469 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX011248.D
Acq: 31 Jul 2019 17:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.1	51.4	77.0





#31

Cyclohexane

Concen: 15.642 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX011248.D

Acq: 31 Jul 2019 17:16

Instrument :

MSVOA_X

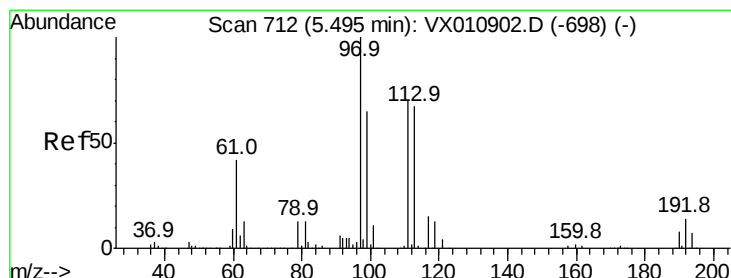
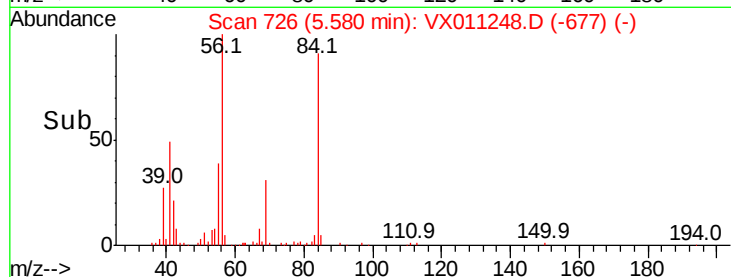
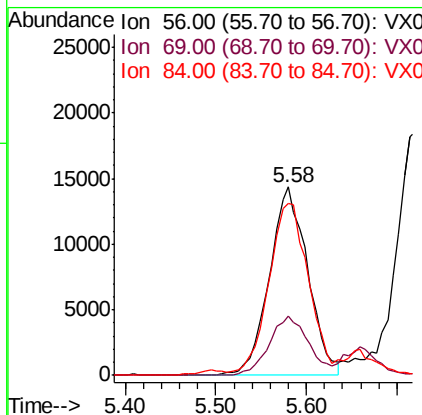
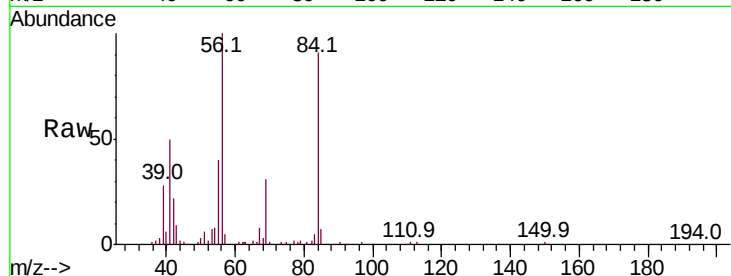
ClientSampleId :

VX0731MBS01

Tot Ion:	56	Resp:	42051
Ion	Ratio	Lower	Upper
56	100		
69	31.3	25.8	38.8
84	90.2	73.8	110.6

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#32

1,1,1-Trichloroethane

Concen: 17.022 ug/l

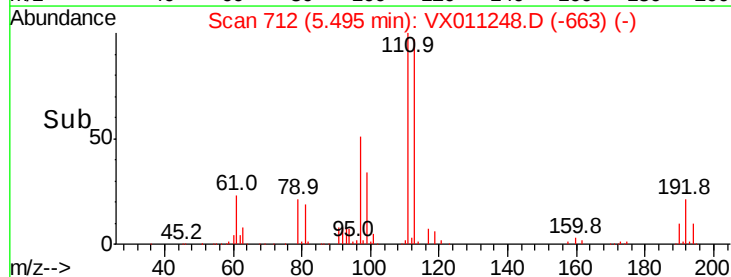
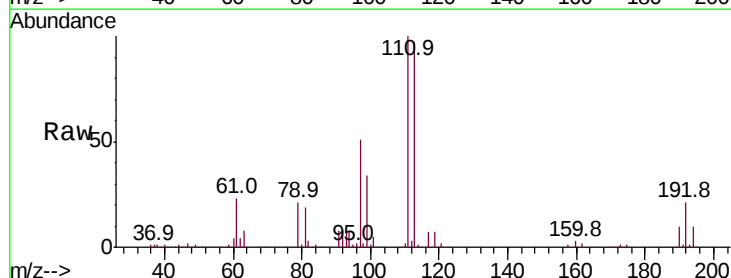
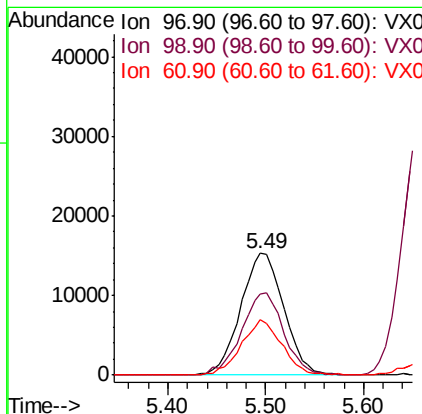
RT: 5.49 min Scan# 712

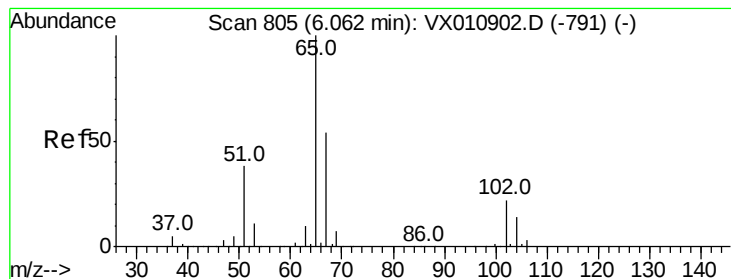
Delta R.T. -0.00 min

Lab File: VX011248.D

Acq: 31 Jul 2019 17:16

Tgt Ion:	97	Resp:	46949
Ion	Ratio	Lower	Upper
97	100		
99	66.1	51.4	77.0
61	42.7	33.0	49.6





#33

1,2-Dichloroethane-d4

Concen: 49.639 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX011248.D

Acq: 31 Jul 2019 17:16

Instrument :

MSVOA_X

ClientSampleId :

VX0731MBS01

Tot Ion: 65 Resp: 98285

Ion Ratio Lower Upper

65 100

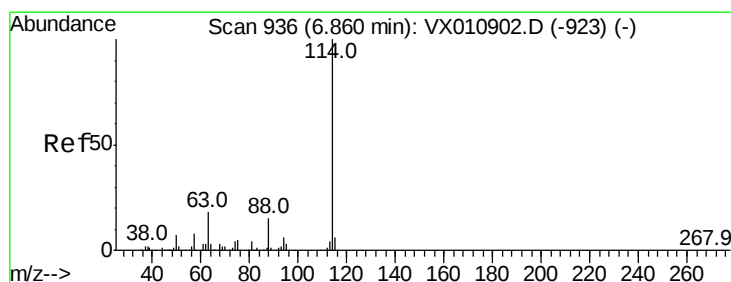
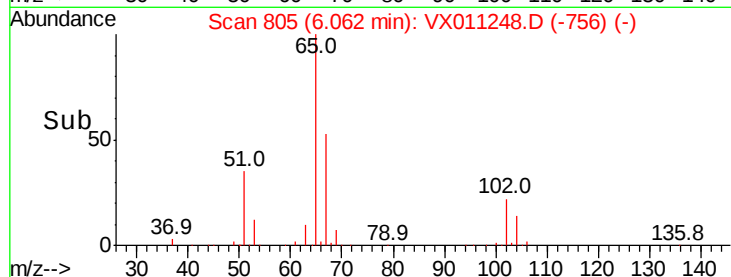
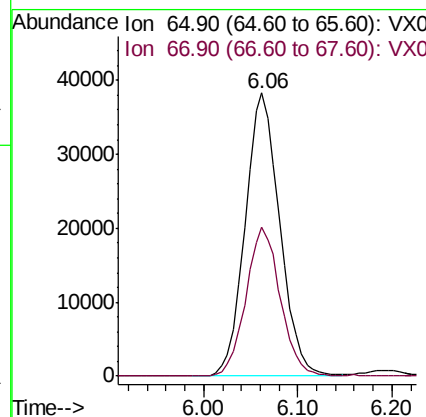
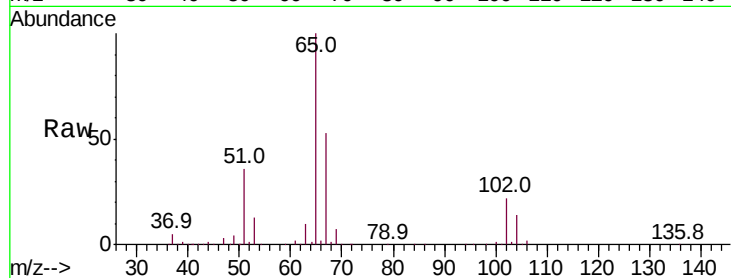
67 52.4 0.0 107.8

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX011248.D

Acq: 31 Jul 2019 17:16

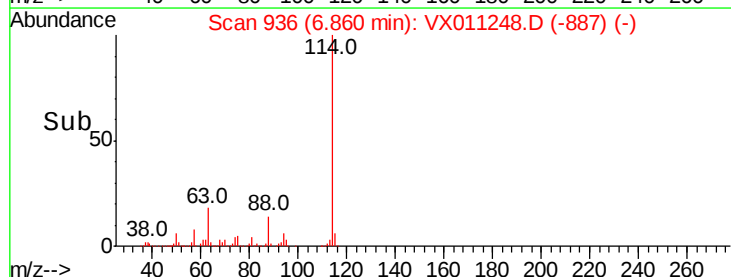
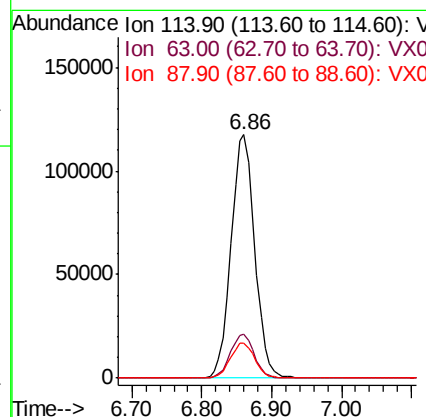
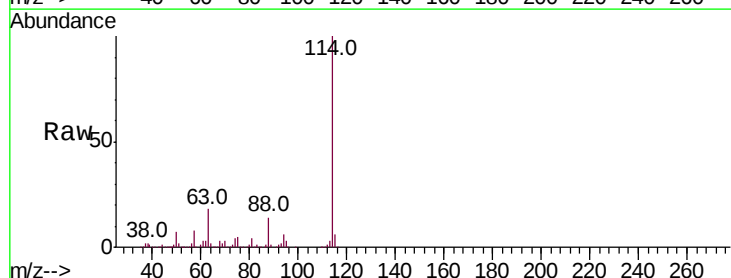
Tgt Ion:114 Resp: 276260

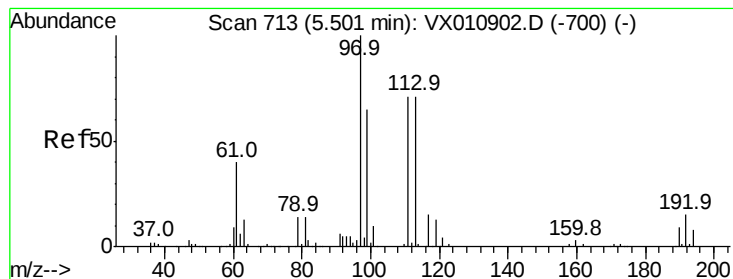
Ion Ratio Lower Upper

114 100

63 17.8 0.0 35.6

88 14.4 0.0 29.8





#35

Dibromofluoromethane

Concen: 48.680 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX011248.D

Acq: 31 Jul 2019 17:16

Instrument :

MSVOA_X

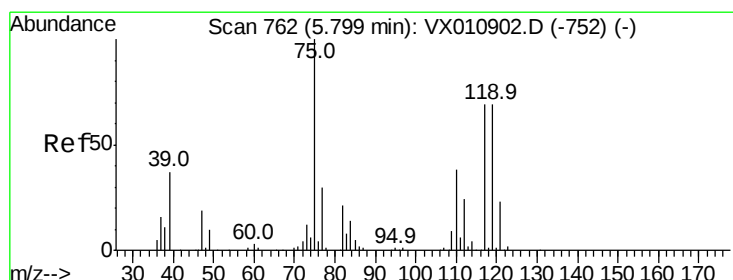
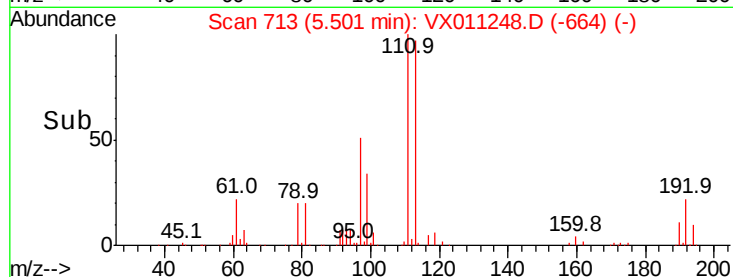
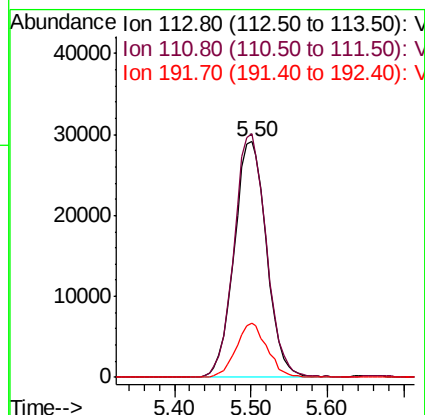
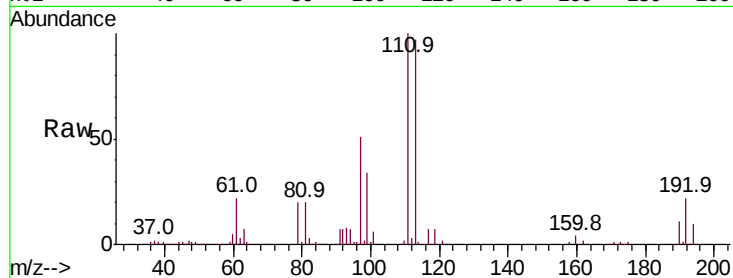
ClientSampleId :

VX0731MBS01

Tot Ion:	113	Resp:	85360
Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.3	123.5
192	22.0	17.4	26.2

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 16.676 ug/l

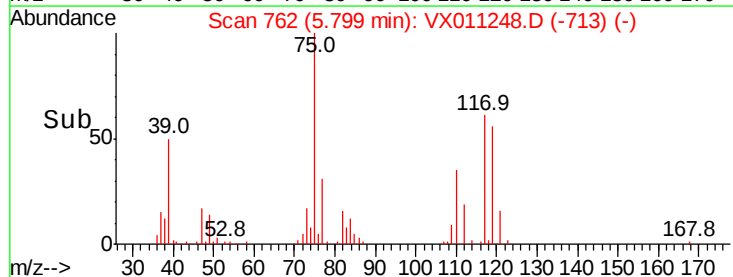
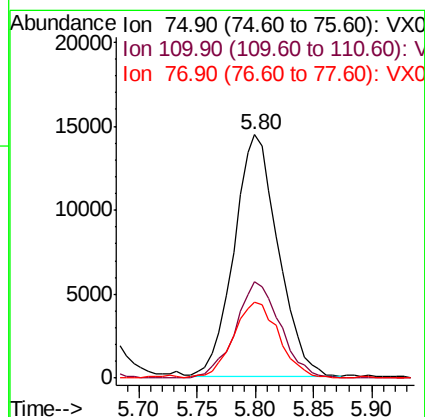
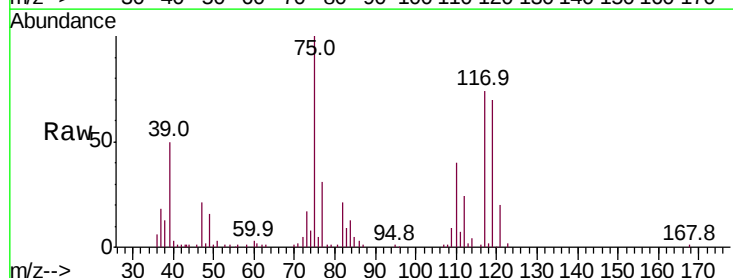
RT: 5.80 min Scan# 762

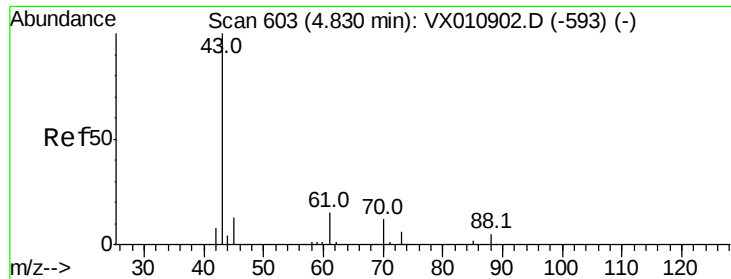
Delta R.T. -0.00 min

Lab File: VX011248.D

Acq: 31 Jul 2019 17:16

Tgt Ion:	75	Resp:	37841
Ion	Ratio	Lower	Upper
75	100		
110	40.7	19.9	59.7
77	32.6	25.0	37.4





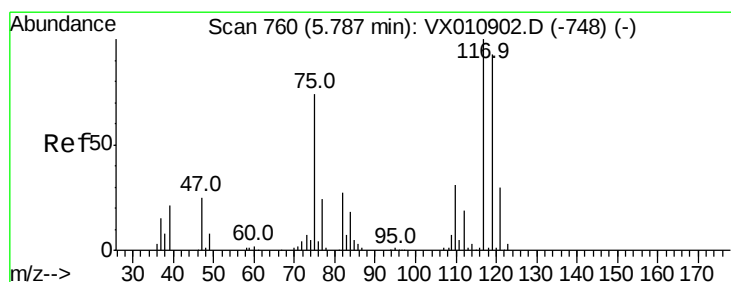
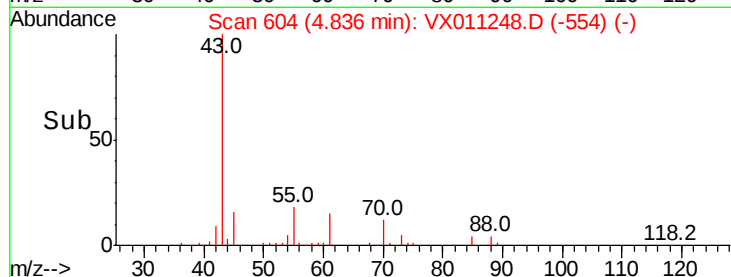
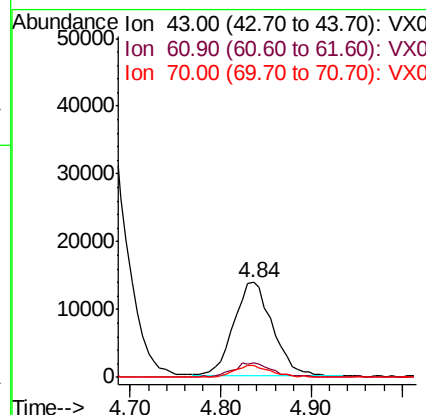
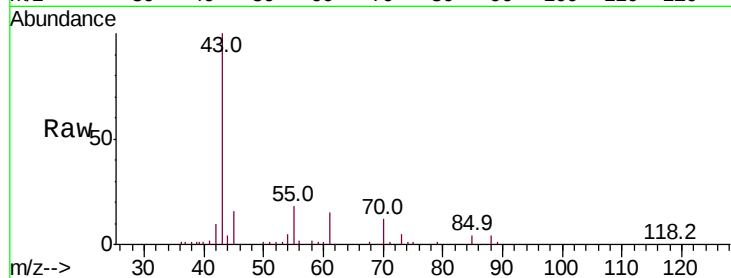
#37
Ethyl Acetate
Concen: 17.765 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX011248.D
Acq: 31 Jul 2019 17:16

Instrument :
MSVOA_X
ClientSampleId :
VX0731MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.5	11.6	17.4
70	12.5	9.1	13.7

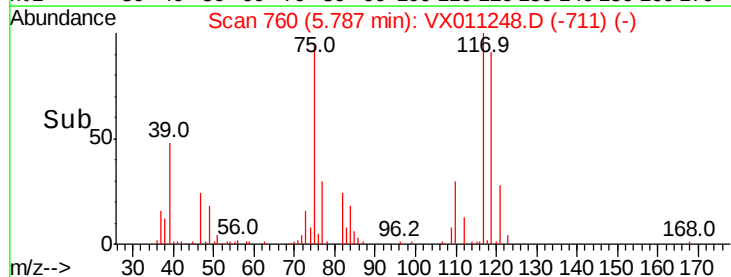
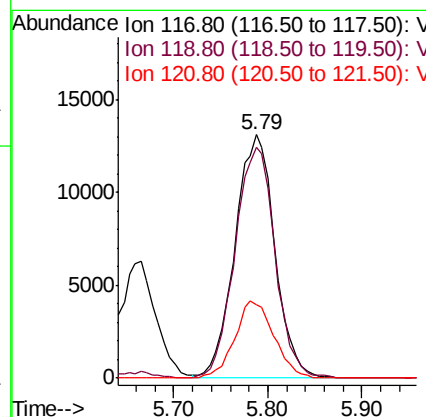
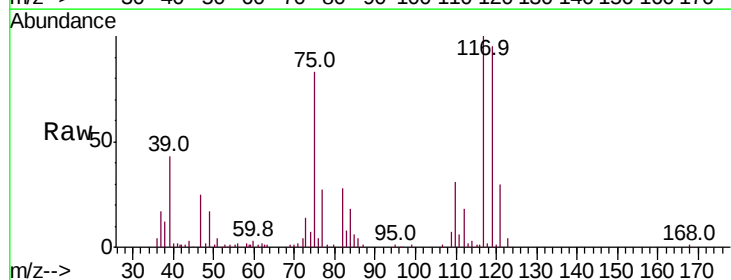
Manual Integrations
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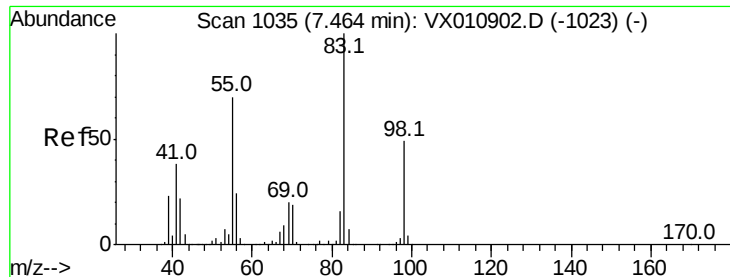
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#38
Carbon Tetrachloride
Concen: 16.352 ug/l
RT: 5.79 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX011248.D
Acq: 31 Jul 2019 17:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.7	74.2	111.2
121	30.0	24.2	36.2





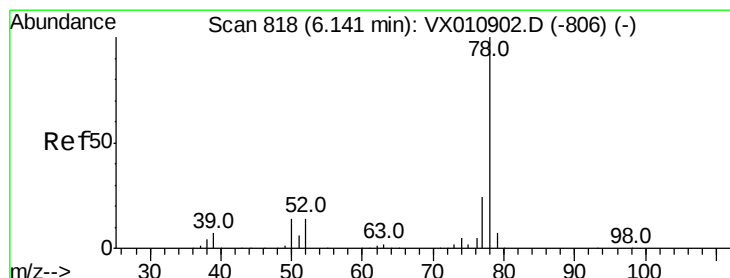
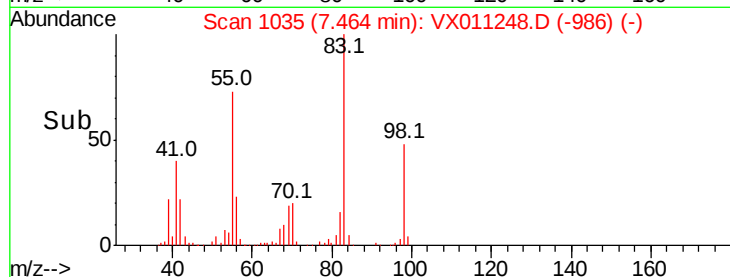
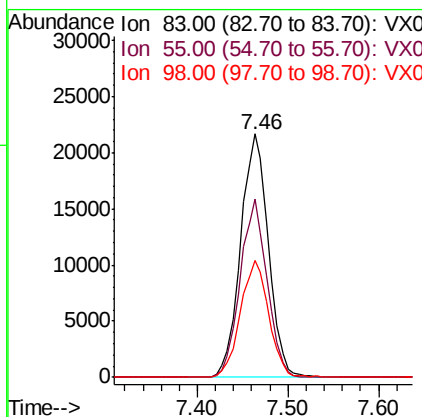
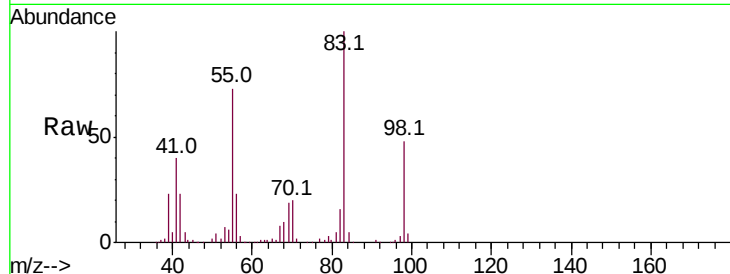
#39
Methvlcvclohexane
Concen: 15.597 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX011248.D
Acq: 31 Jul 2019 17:16

Instrument :
MSVOA_X
ClientSampleId :
VX0731MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.3	56.2	84.4
98	48.1	39.0	58.4

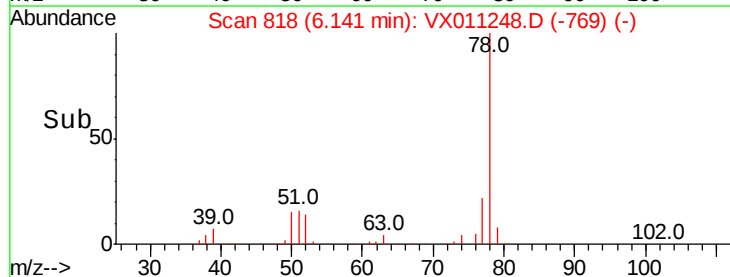
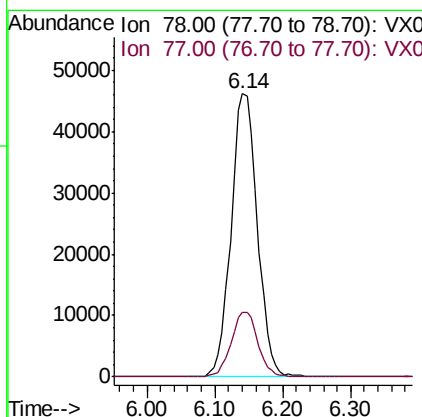
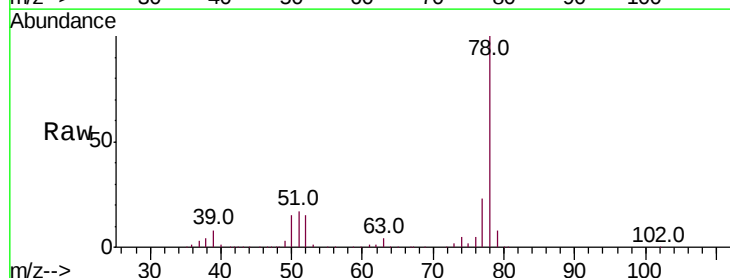
Manual Integrations
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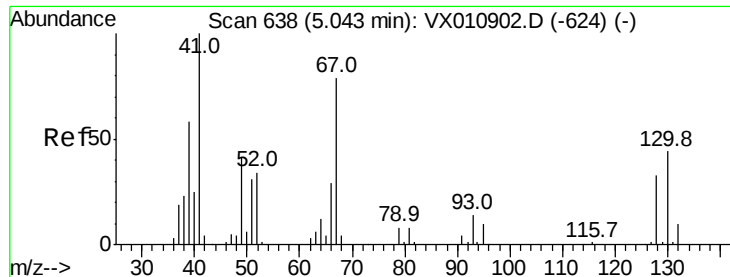
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#40
Benzene
Concen: 17.751 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX011248.D
Acq: 31 Jul 2019 17:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	19.0	28.6





#41

Methacrylonitrile

Concen: 17.058 ug/l

RT: 5.05 min Scan# 639

Delta R.T. 0.01 min

Lab File: VX011248.D

Acq: 31 Jul 2019 17:16

Instrument :

MSVOA_X

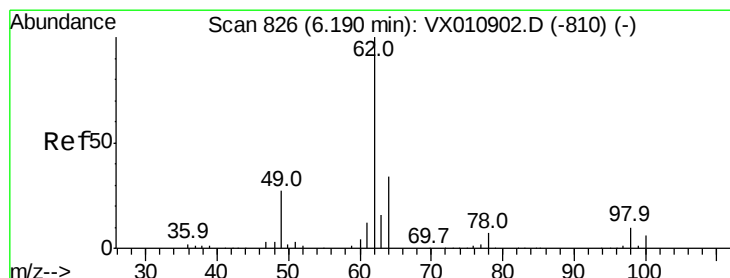
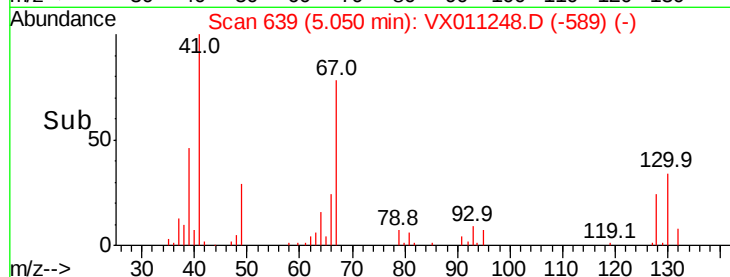
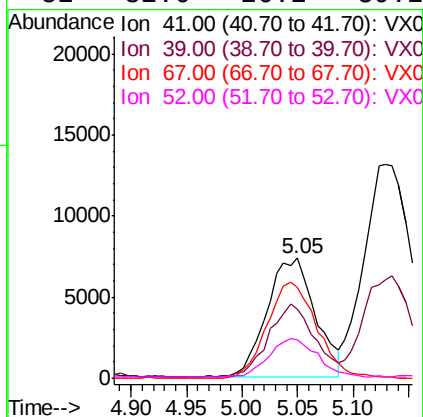
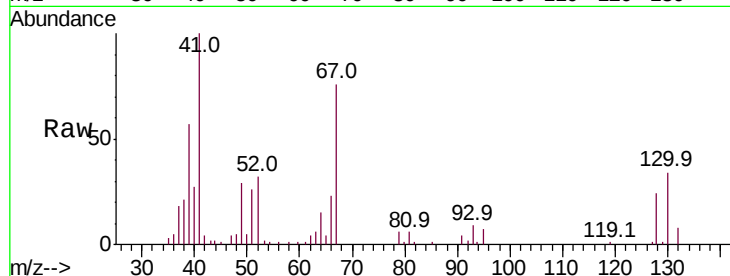
ClientSampleId :

VX0731MBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	57.4	45.4	68.2
67	81.9	65.9	98.9
52	32.6	26.2	39.2

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 18.274 ug/l

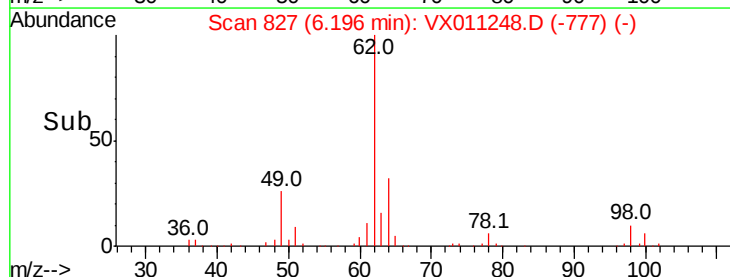
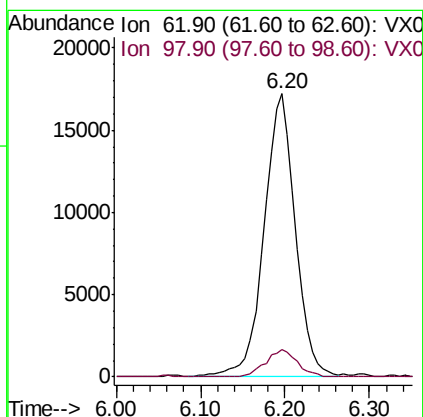
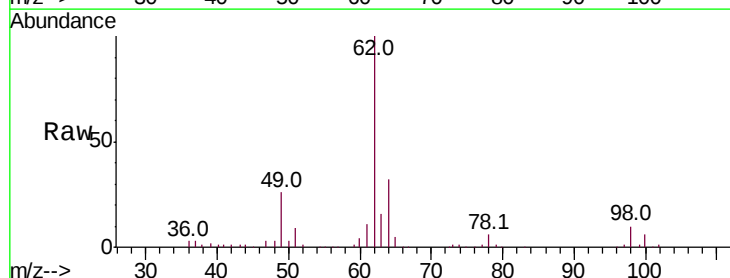
RT: 6.20 min Scan# 827

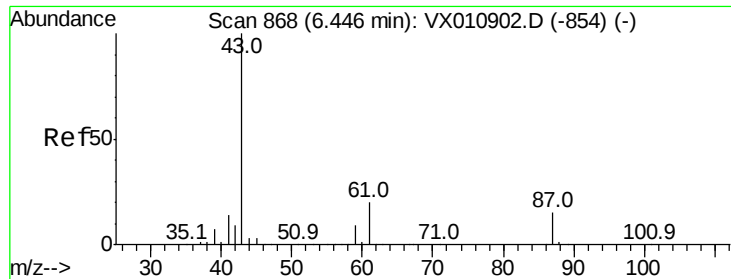
Delta R.T. 0.01 min

Lab File: VX011248.D

Acq: 31 Jul 2019 17:16

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	20.0





#43

Isopropyl Acetate

Concen: 17.400 ug/l

RT: 6.45 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX011248.D

Acq: 31 Jul 2019 17:16

Instrument :

MSVOA_X

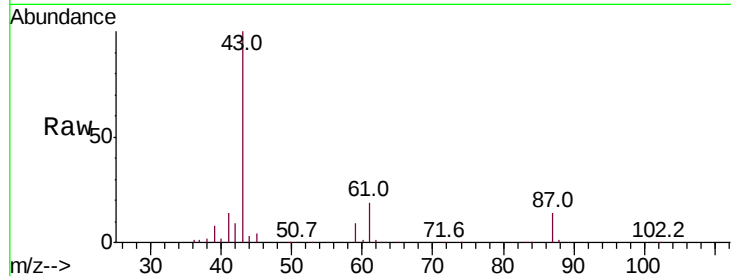
ClientSampleId :

VX0731MBS01

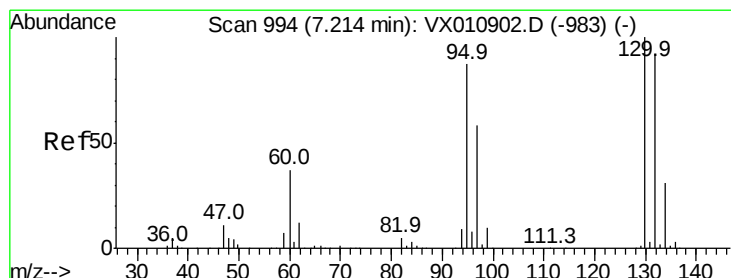
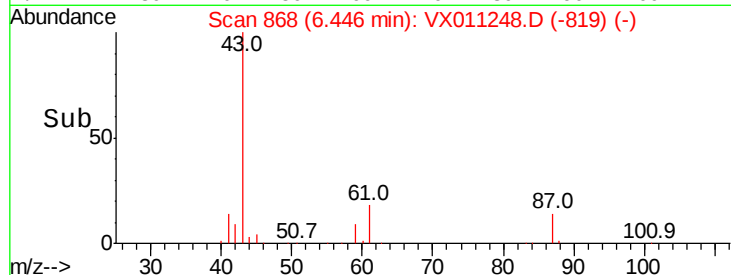
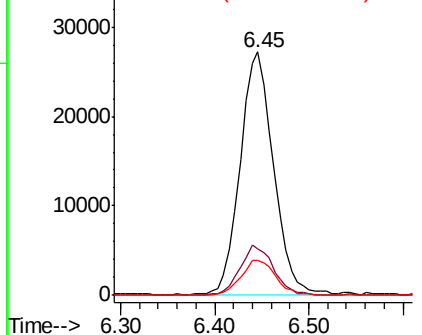
Tot Ion:	43	Resp:	66482
Ion	Ratio	Lower	Upper
43	100		
61	20.8	17.1	25.7
87	15.1	12.0	18.0

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Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 17.177 ug/l

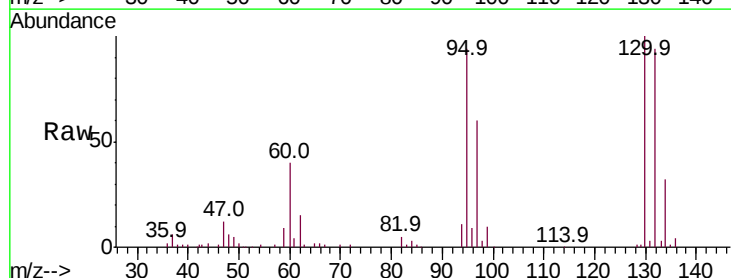
RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

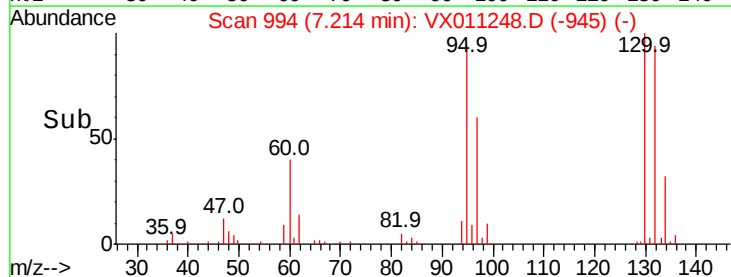
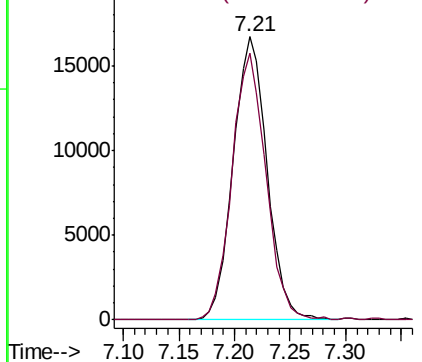
Lab File: VX011248.D

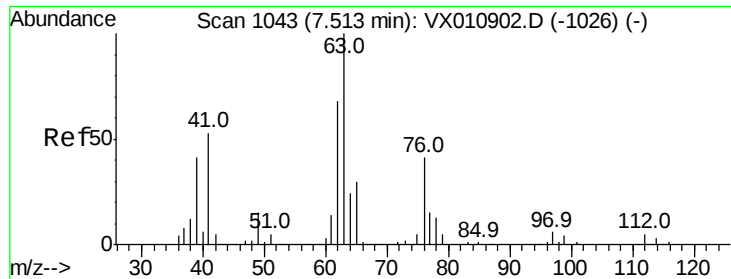
Acq: 31 Jul 2019 17:16

Tgt Ion:	130	Resp:	35342
Ion	Ratio	Lower	Upper
130	100		
95	94.1	0.0	174.8



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 17.704 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX011248.D

Acq: 31 Jul 2019 17:16

Instrument :

MSVOA_X

ClientSampleId :

VX0731MBS01

Tot Ion: 63 Resp: 31321

Ion Ratio Lower Upper

63 100

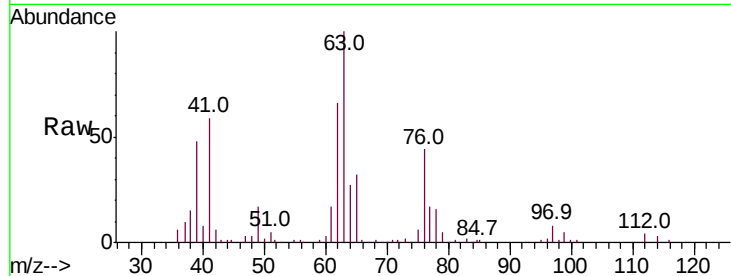
65 32.2 24.4 36.6

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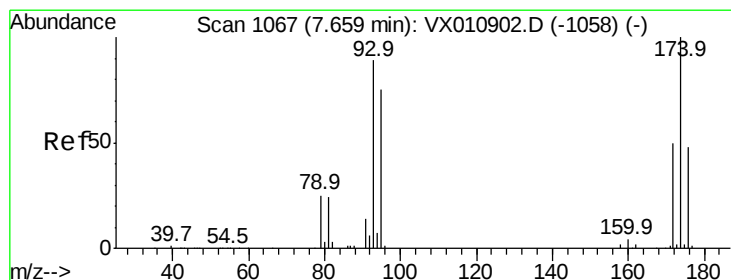
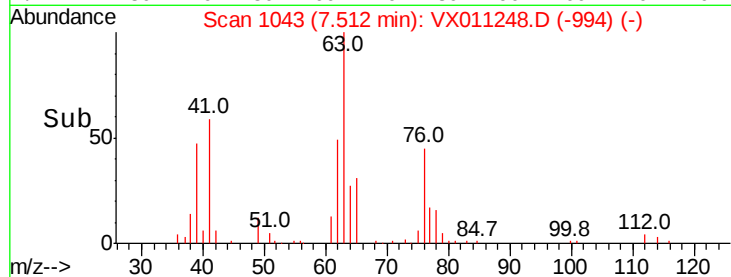
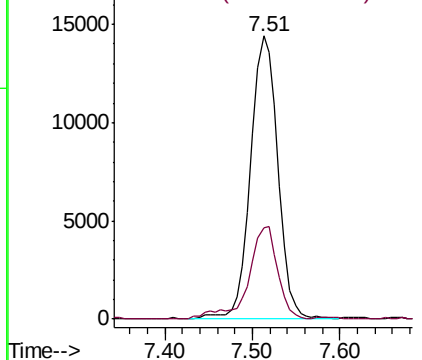
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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 17.822 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX011248.D

Acq: 31 Jul 2019 17:16

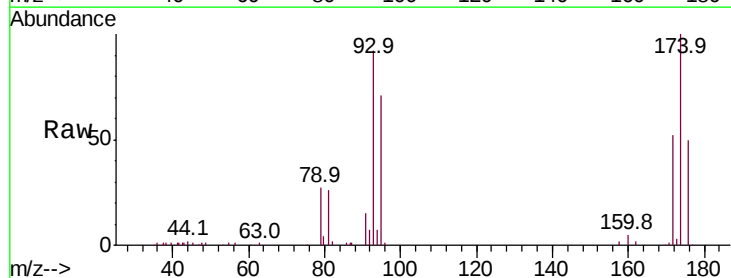
Tgt Ion: 93 Resp: 22531

Ion Ratio Lower Upper

93 100

95 81.3 67.2 100.8

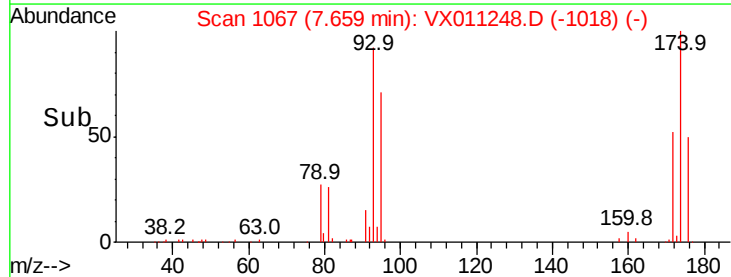
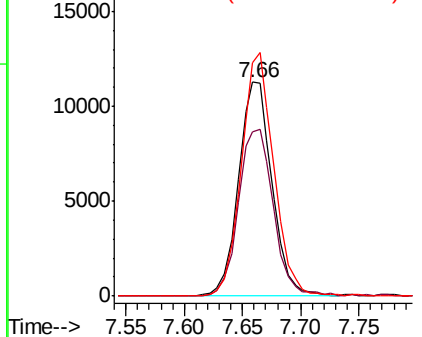
174 110.2 90.6 135.8

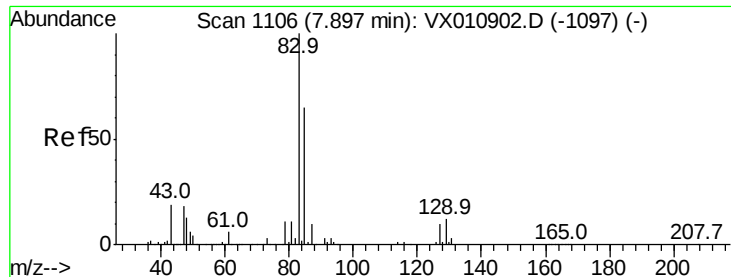


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 16.646 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX011248.D

Acq: 31 Jul 2019 17:16

Instrument :

MSVOA_X

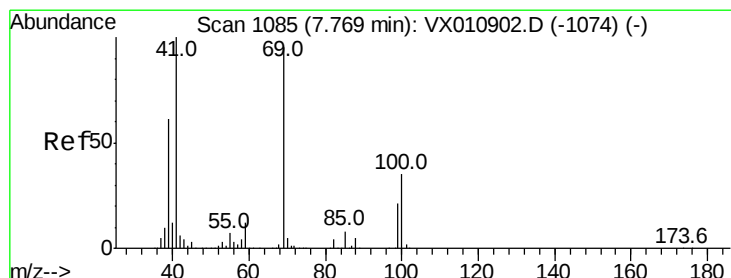
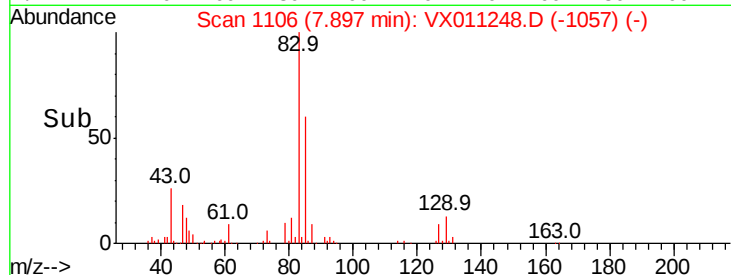
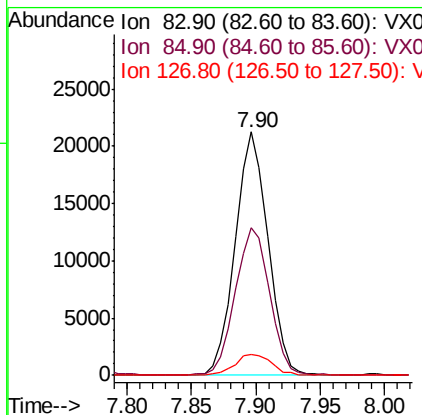
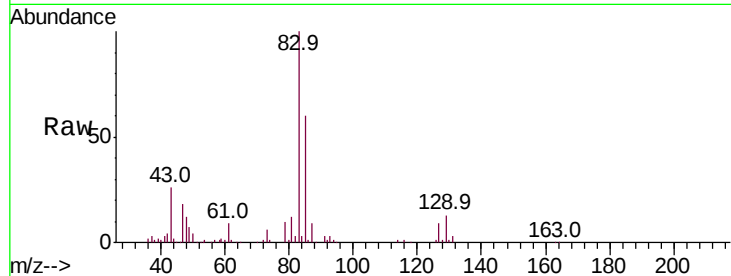
ClientSampleId :

VX0731MBS01

Tot Ion:	83	Resp:	37459
Ion	Ratio	Lower	Upper
83	100		
85	60.4	52.5	78.7
127	8.6	7.8	11.8

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#48

Methyl methacrylate

Concen: 17.260 ug/l

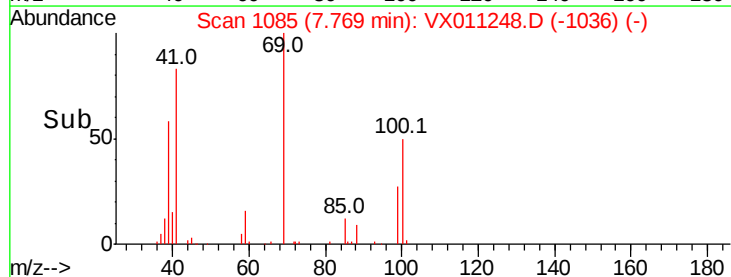
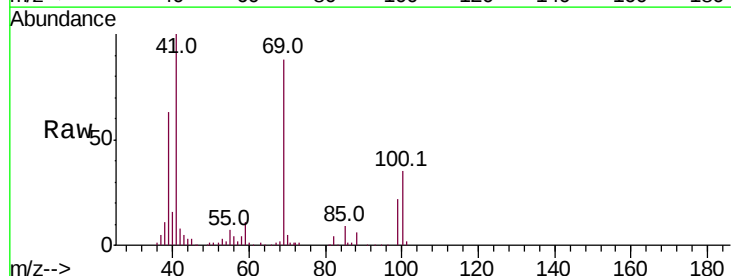
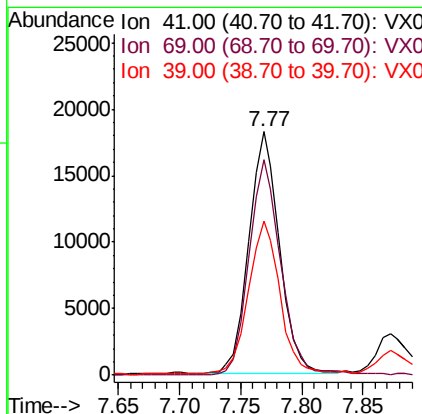
RT: 7.77 min Scan# 1085

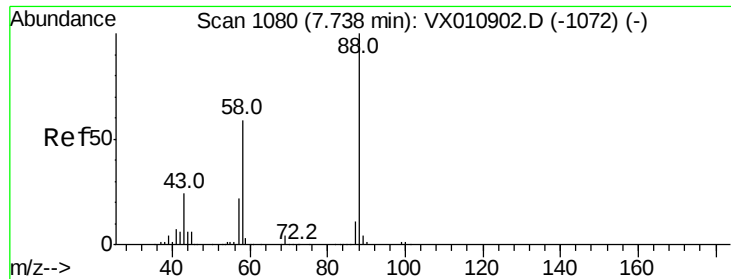
Delta R.T. -0.00 min

Lab File: VX011248.D

Acq: 31 Jul 2019 17:16

Tgt Ion:	41	Resp:	32126
Ion	Ratio	Lower	Upper
41	100		
69	92.2	74.4	111.6
39	64.5	48.9	73.3





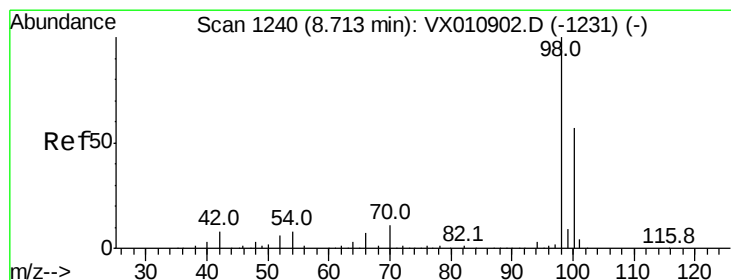
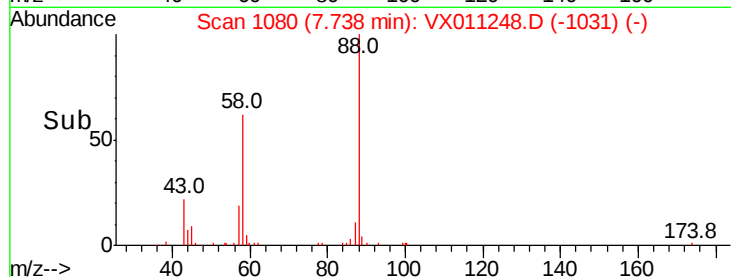
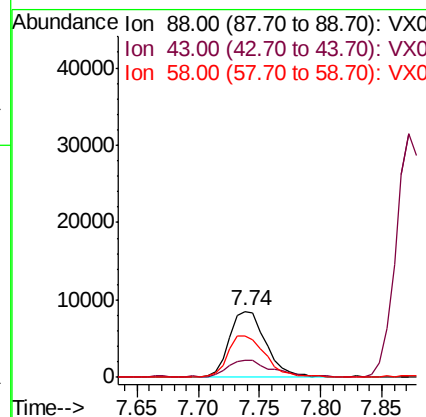
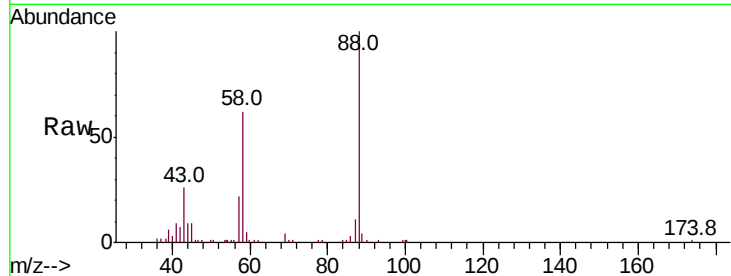
#49
1,4-Dioxane
Concen: 340.830 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX011248.D
Acq: 31 Jul 2019 17:16

Instrument :
MSVOA_X
ClientSampleId :
VX0731MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.4	22.9	34.3
58	66.0	49.8	74.8

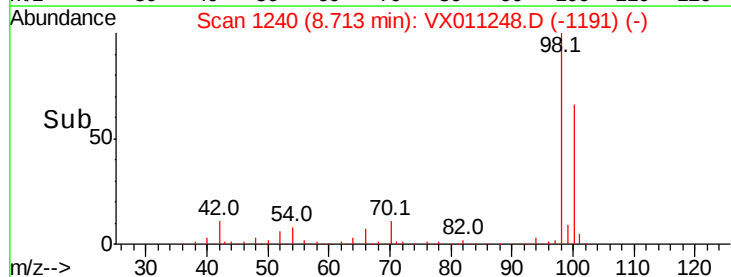
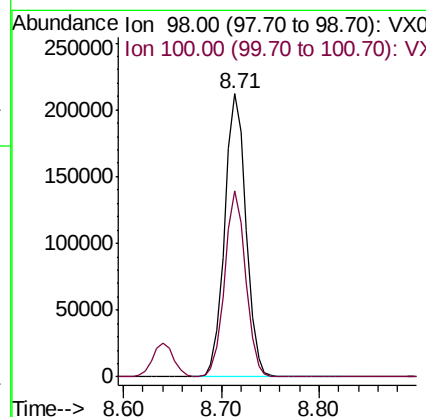
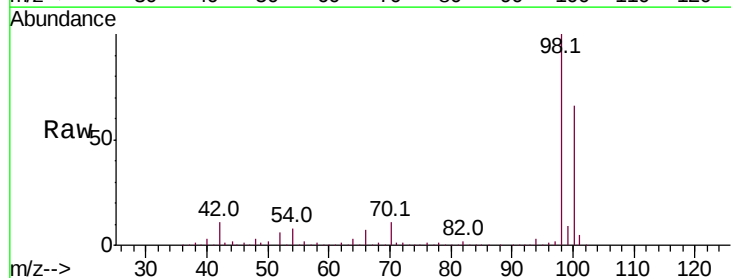
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#50
Toluene-d8
Concen: 48.791 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX011248.D
Acq: 31 Jul 2019 17:16

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	50.6	75.8





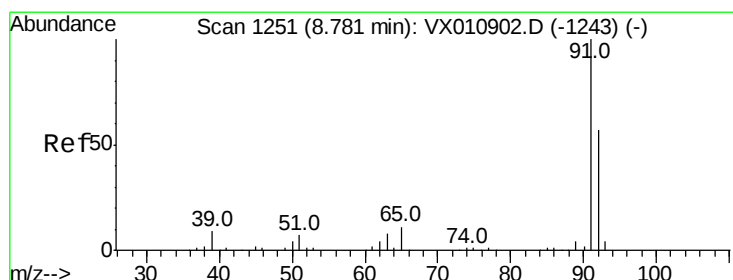
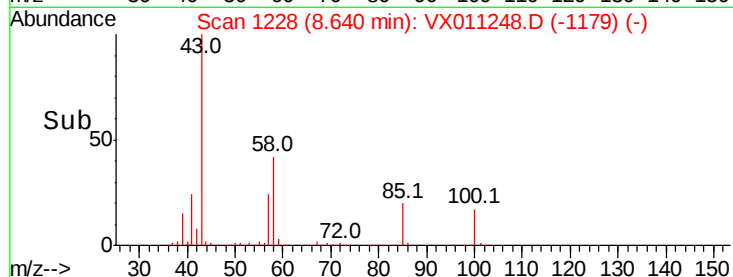
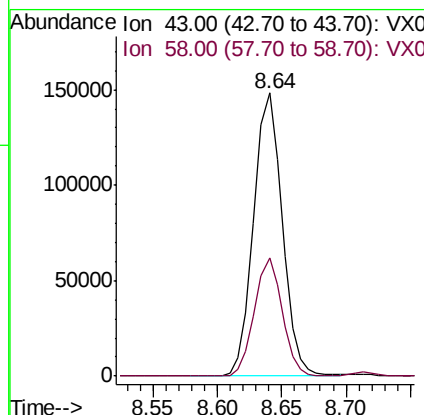
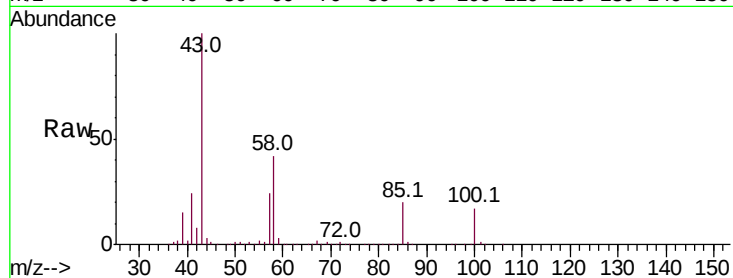
#51
4-Methyl-2-Pentanone
Concen: 91.869 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX011248.D
Acq: 31 Jul 2019 17:16

Instrument :
MSVOA_X
ClientSampled :
VX0731MBS01

Tot Ion	43	58	Ratio	Lower	Upper
43	100				
58	40.9		32.2	48.4	

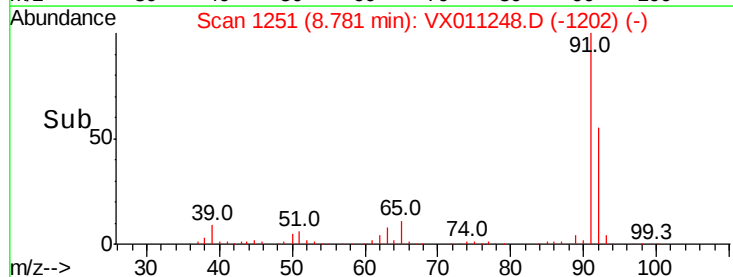
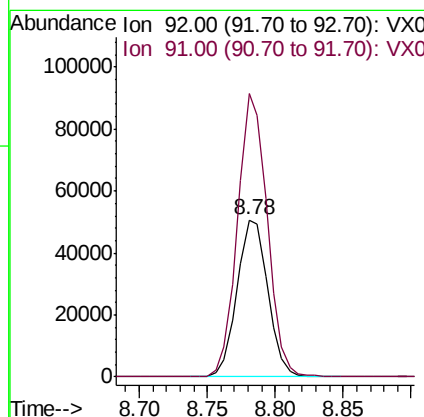
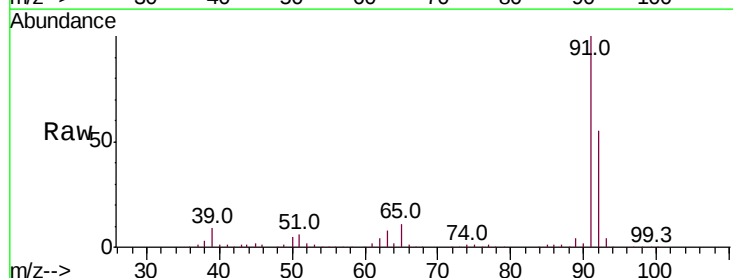
Manual Integrations
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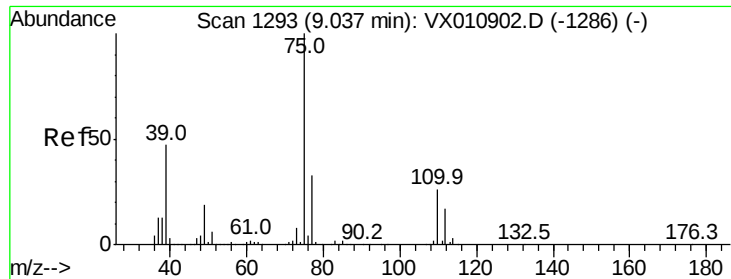
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#52
Toluene
Concen: 17.584 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.00 min
Lab File: VX011248.D
Acq: 31 Jul 2019 17:16

Tgt Ion	92	91	Ratio	Lower	Upper
92	100				
91	173.7		139.4	209.0	





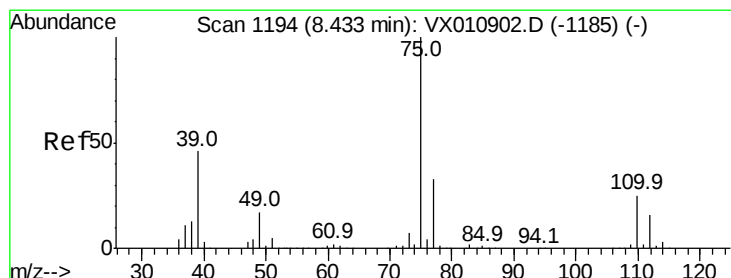
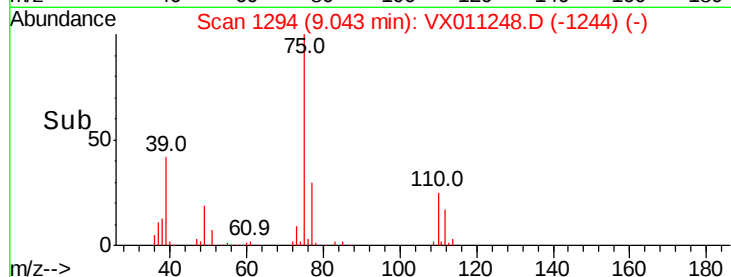
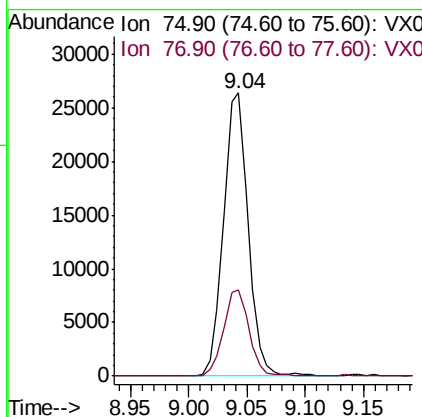
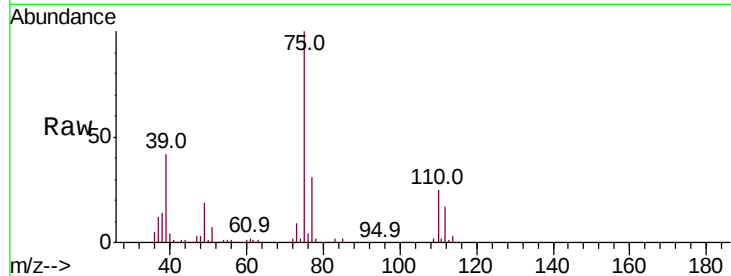
#53
t-1,3-Dichloropropene
Concen: 16.000 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.01 min
Lab File: VX011248.D
Acq: 31 Jul 2019 17:16

Instrument :
MSVOA_X
ClientSampleId :
VX0731MBS01

Tot Ion: 75 Resp: 38715
Ion Ratio Lower Upper
75 100
77 30.7 26.2 39.2

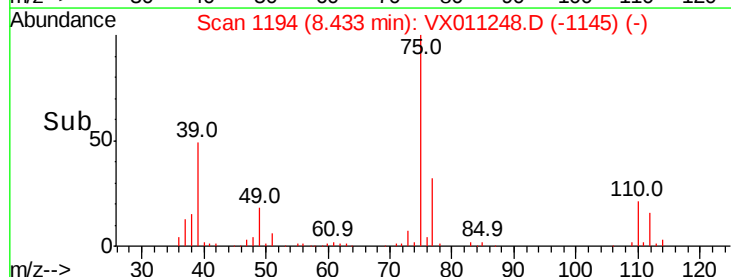
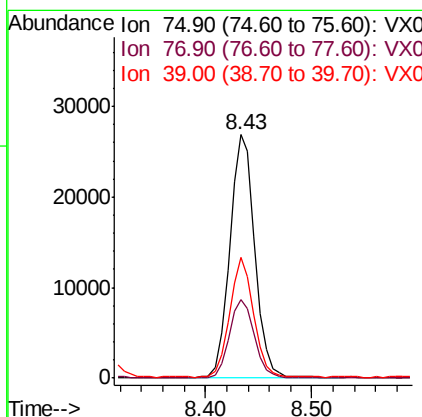
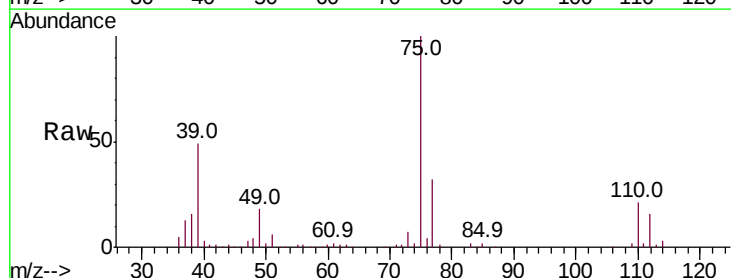
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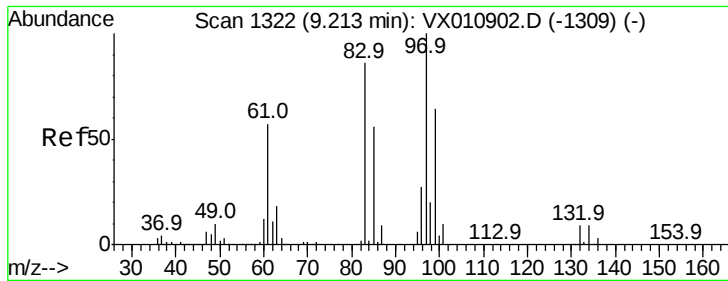
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#54
cis-1,3-Dichloropropene
Concen: 16.394 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX011248.D
Acq: 31 Jul 2019 17:16

Tgt Ion: 75 Resp: 44142
Ion Ratio Lower Upper
75 100
77 32.2 26.1 39.1
39 48.8 36.6 54.8





#55

1,1,2-Trichloroethane

Concen: 18.194 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX011248.D

Acq: 31 Jul 2019 17:16

Instrument :

MSVOA_X

ClientSampleId :

VX0731MBS01

Tot Ion: 97 Resp: 34208

Ion Ratio Lower Upper

97 100

83 88.2 69.2 103.8

85 55.4 44.6 66.8

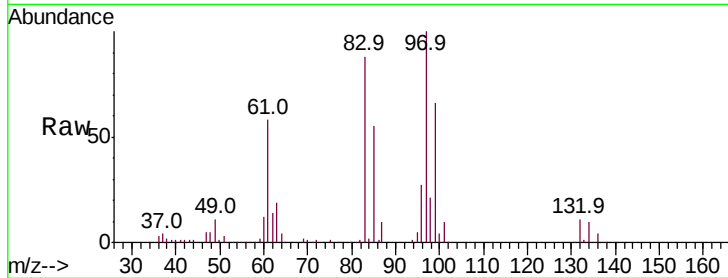
99 65.7 51.2 76.8

Manual Integrations

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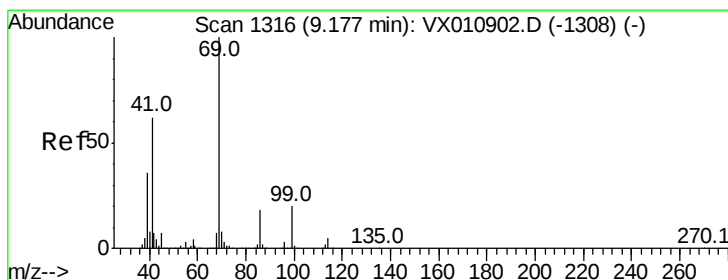
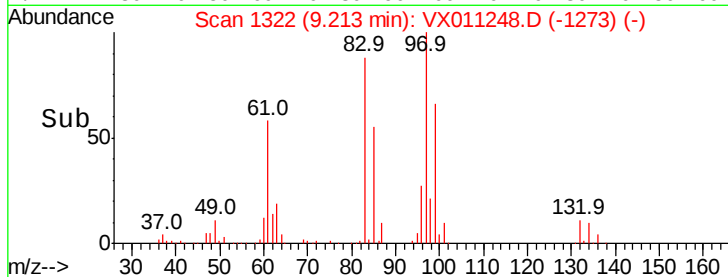
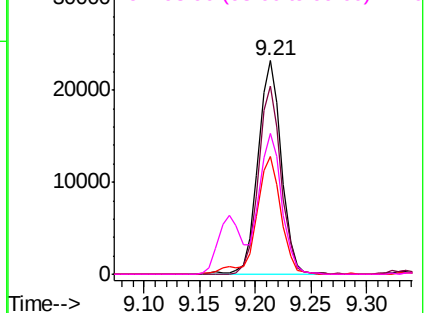


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 17.823 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX011248.D

Acq: 31 Jul 2019 17:16

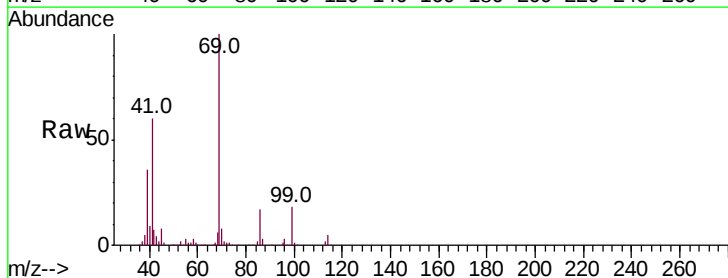
Tgt Ion: 69 Resp: 49019

Ion Ratio Lower Upper

69 100

41 59.7 49.7 74.5

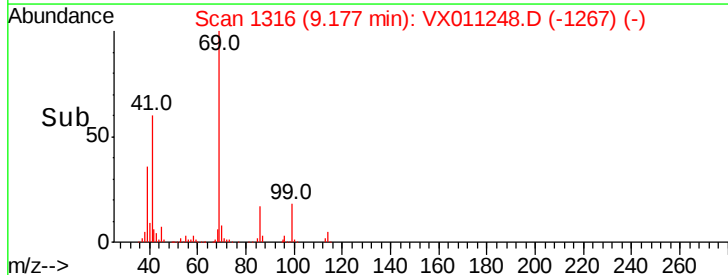
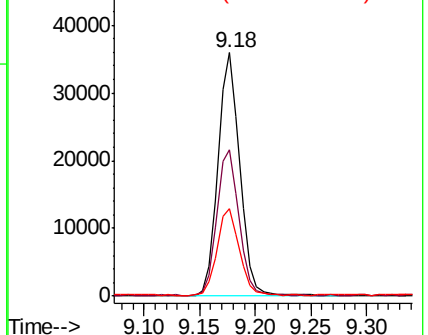
39 36.3 29.6 44.4

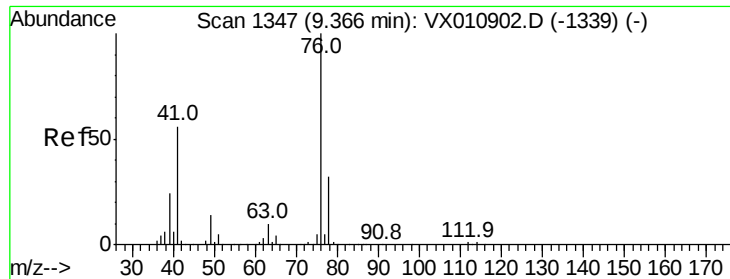


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 17.933 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.01 min

Lab File: VX011248.D

Acq: 31 Jul 2019 17:16

Instrument :

MSVOA_X

ClientSampleId :

VX0731MBS01

Tot Ion: 76 Resp: 53487

Ion Ratio Lower Upper

76 100

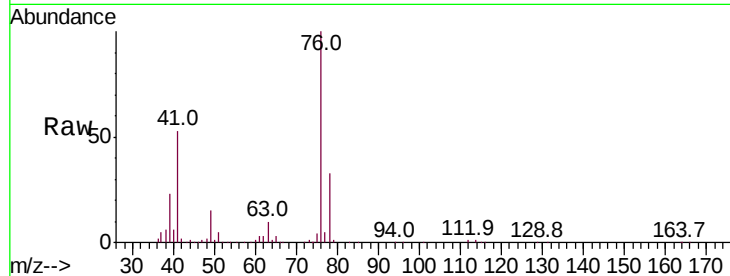
78 33.5 25.6 38.4

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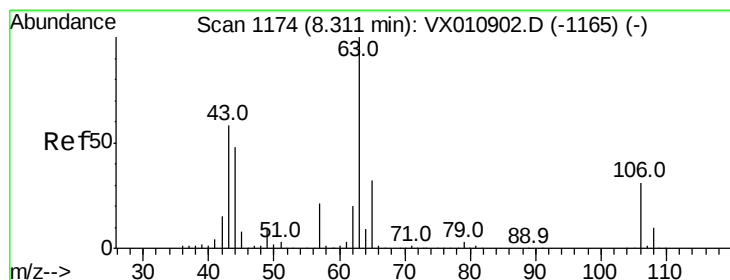
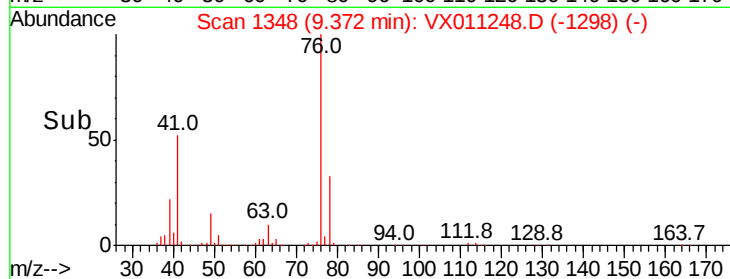
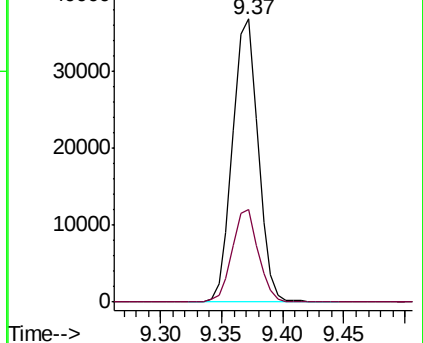
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 100.580 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX011248.D

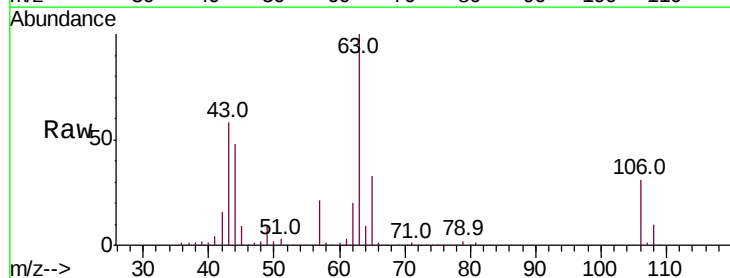
Acq: 31 Jul 2019 17:16

Tgt Ion: 63 Resp: 132049

Ion Ratio Lower Upper

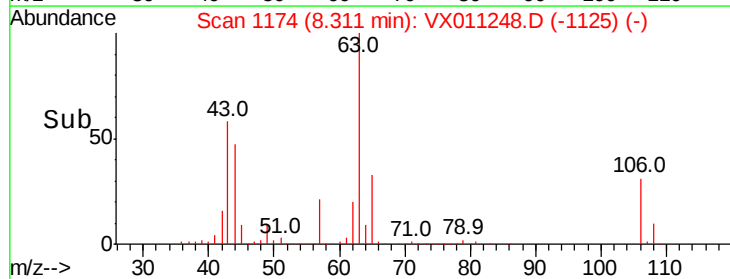
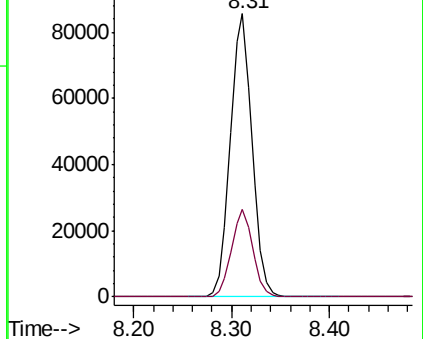
63 100

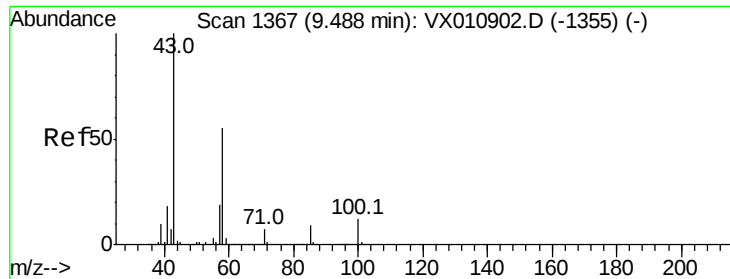
106 30.5 24.0 36.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





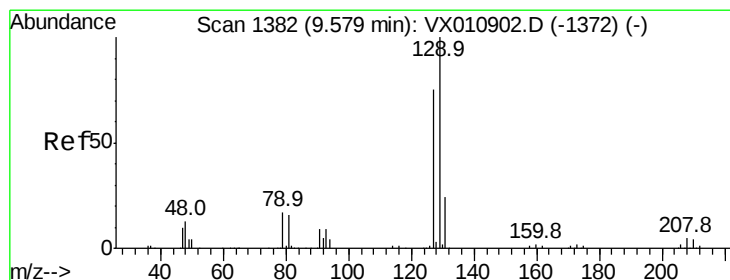
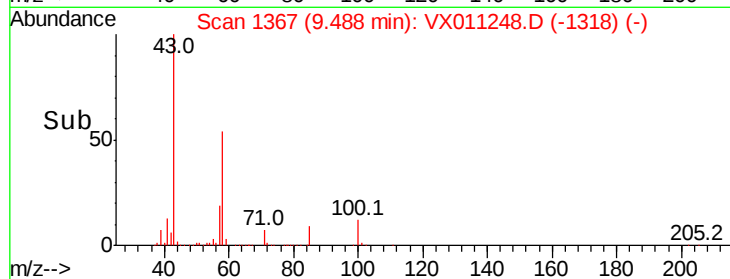
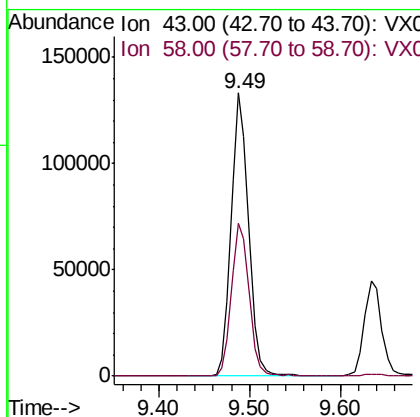
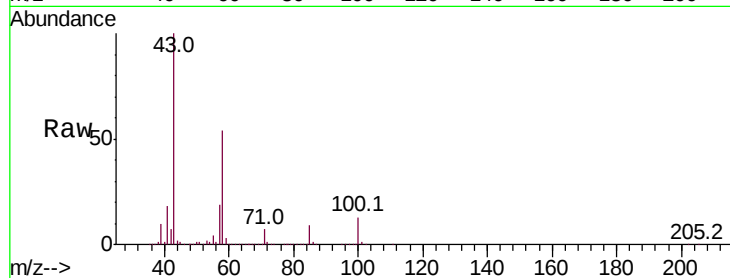
#59
2-Hexanone
Concen: 92.608 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX011248.D
Acq: 31 Jul 2019 17:16

Instrument :
MSVOA_X
ClientSampled :
VX0731MBS01

Tot Ion	43	58	Ratio	100	55.1	Resp	177901	Lower	28.0	Upper	83.9
Ion	43	58	Ratio	100	55.1	Resp	177901	Lower	28.0	Upper	83.9

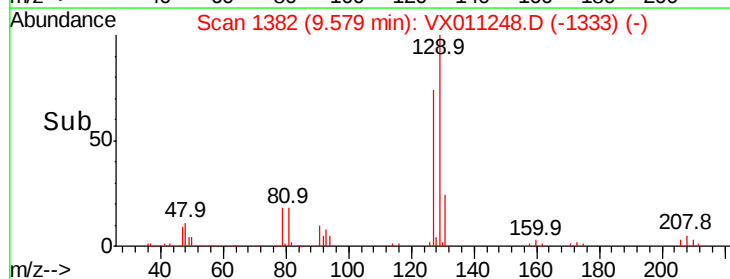
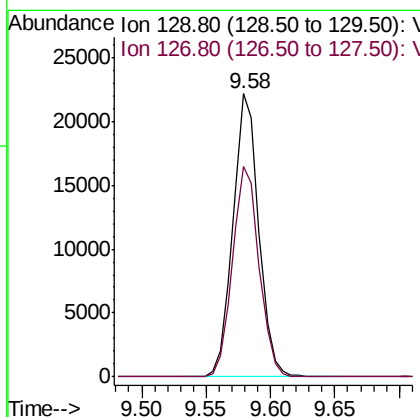
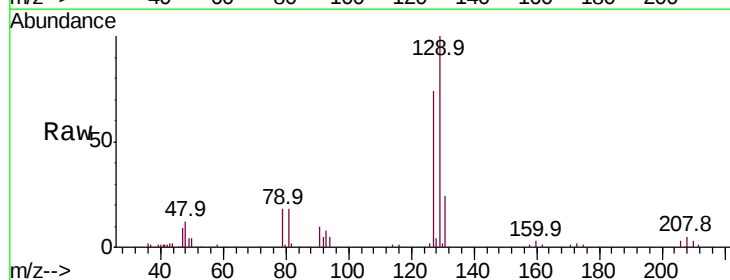
Manual Integrations
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#60
Dibromochloromethane
Concen: 16.130 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011248.D
Acq: 31 Jul 2019 17:16

Tgt Ion	129	127	Ratio	100	76.4	Resp	31000	Lower	38.6	Upper	115.8
Ion	129	127	Ratio	100	76.4	Resp	31000	Lower	38.6	Upper	115.8





#61

1,2-Dibromoethane

Concen: 17.738 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX011248.D

Acq: 31 Jul 2019 17:16

Instrument :

MSVOA_X

ClientSampleId :

VX0731MBS01

Tot Ion:107 Resp: 35394

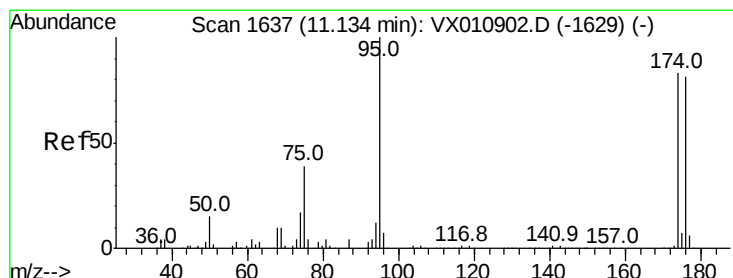
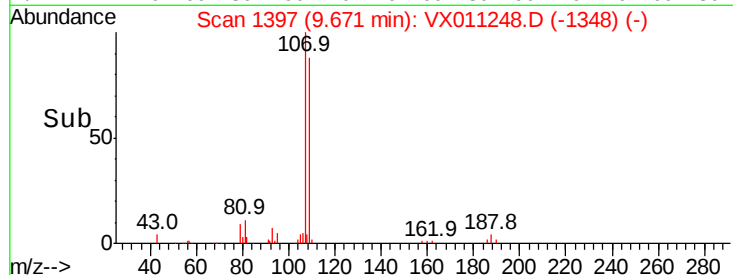
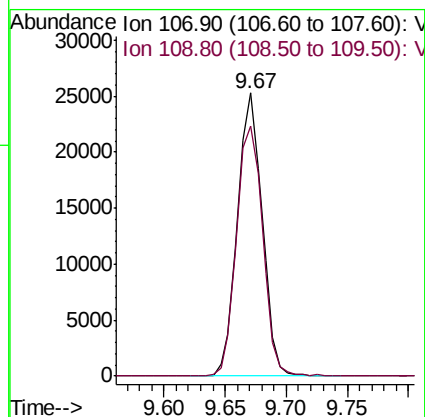
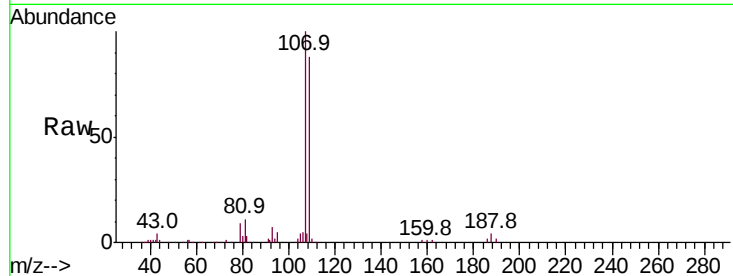
Ion Ratio Lower Upper

107 100

109 93.1 75.4 113.0

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#62

4-Bromofluorobenzene

Concen: 48.161 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX011248.D

Acq: 31 Jul 2019 17:16

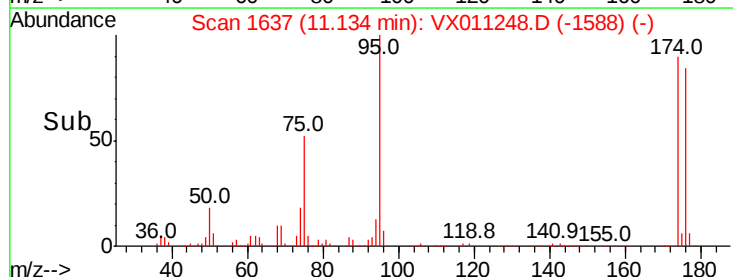
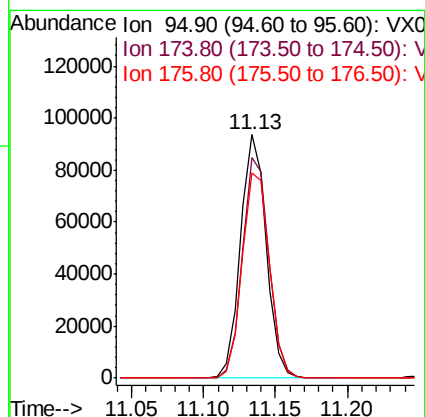
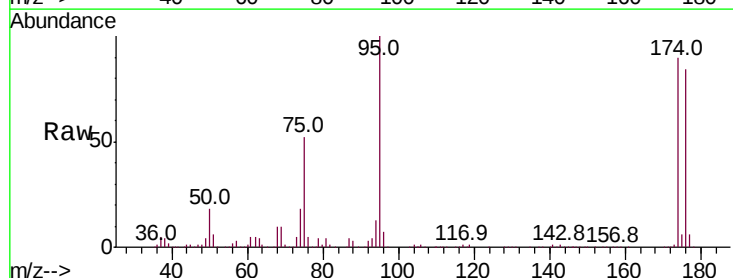
Tgt Ion: 95 Resp: 116424

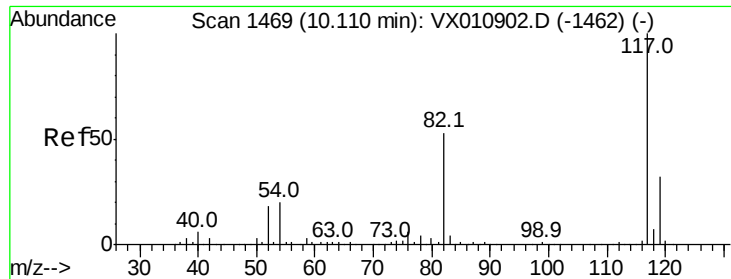
Ion Ratio Lower Upper

95 100

174 92.9 0.0 180.6

176 88.9 0.0 173.8





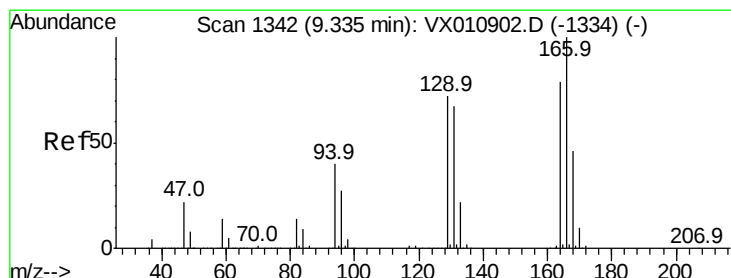
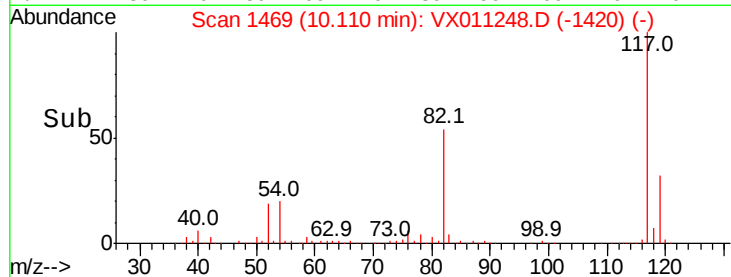
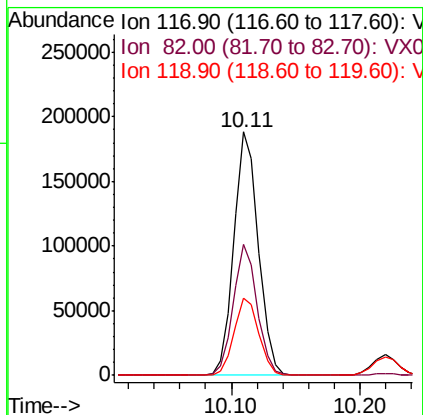
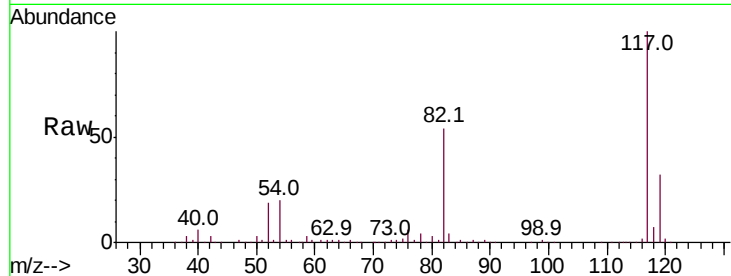
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011248.D
Acq: 31 Jul 2019 17:16

Instrument :
MSVOA_X
ClientSampled :
VX0731MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	42.6	63.8
119	31.9	25.9	38.9

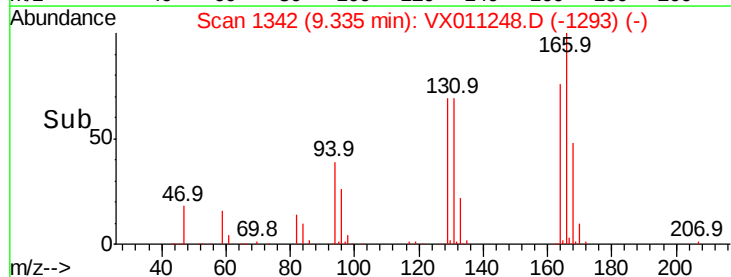
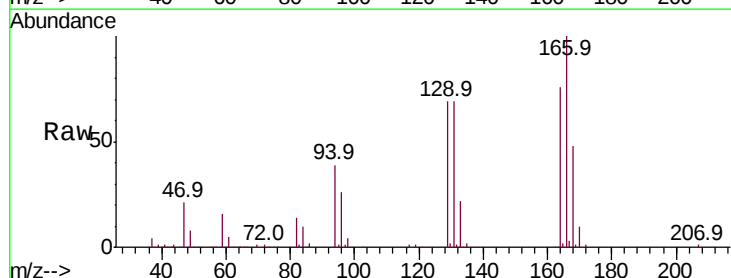
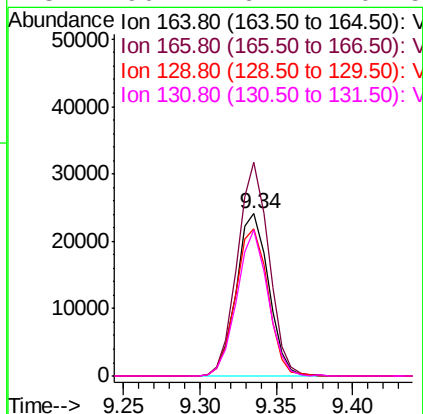
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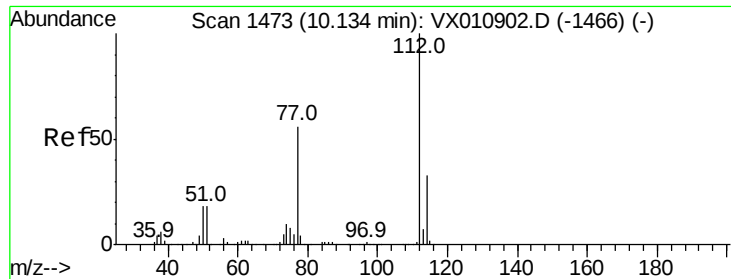
MMDadoda
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#64
Tetrachloroethene
Concen: 18.044 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX011248.D
Acq: 31 Jul 2019 17:16

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.5	100.8	151.2
129	90.5	72.6	109.0
131	90.1	67.7	101.5





#65

Chlorobenzene

Concen: 17.559 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.00 min

Lab File: VX011248.D

Acq: 31 Jul 2019 17:16

Instrument :

MSVOA_X

ClientSampleId :

VX0731MBS01

Tot Ion:112 Resp: 90061

Ion Ratio Lower Upper

112 100

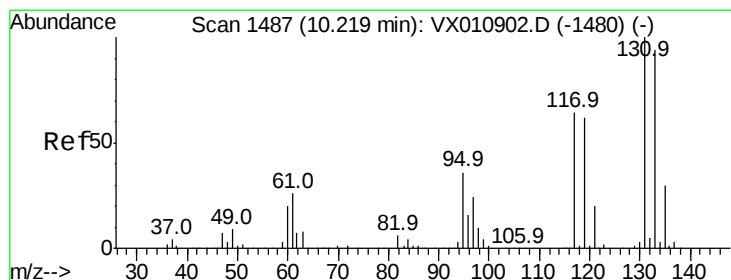
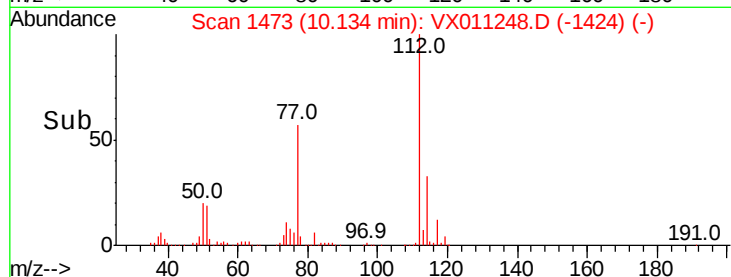
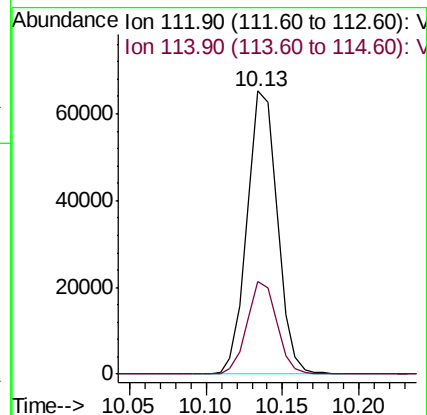
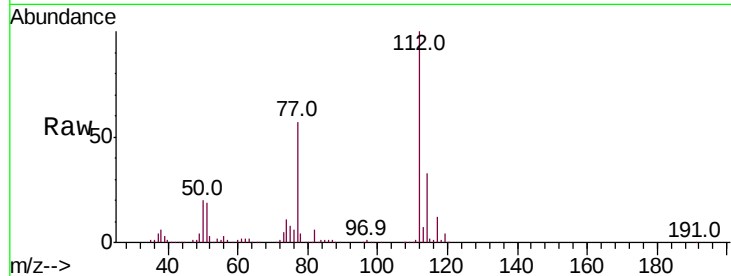
114 32.9 26.2 39.4

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#66

1,1,1,2-Tetrachloroethane

Concen: 17.470 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX011248.D

Acq: 31 Jul 2019 17:16

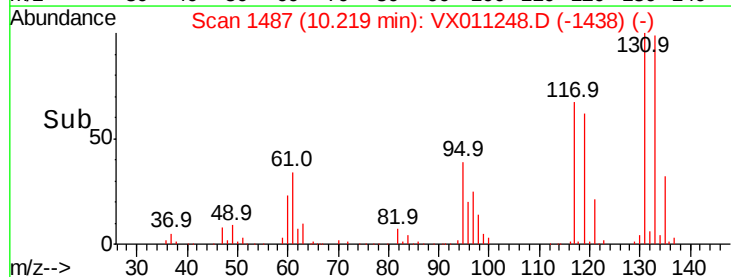
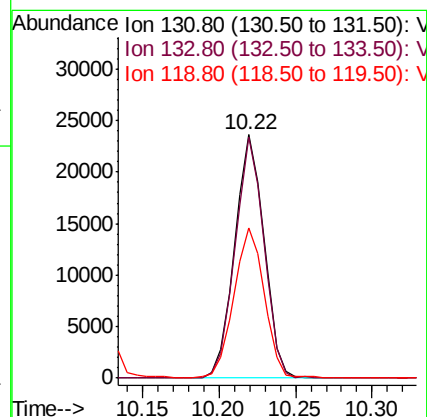
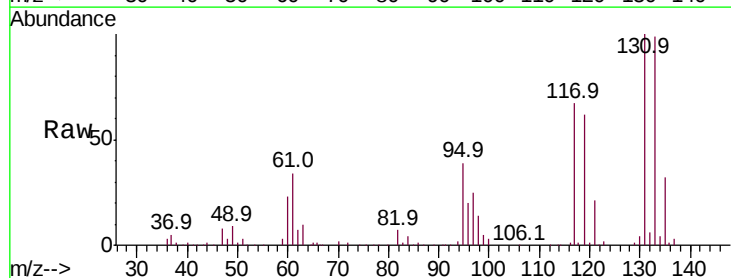
Tgt Ion:131 Resp: 31492

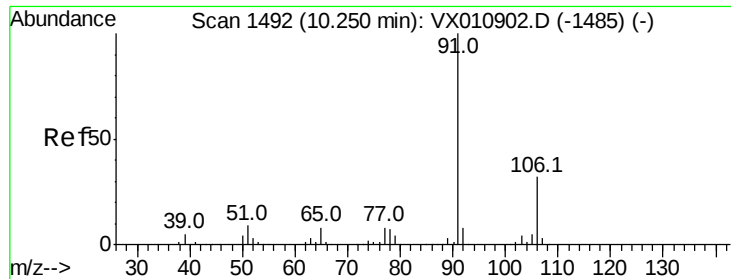
Ion Ratio Lower Upper

131 100

133 96.9 47.1 141.4

119 63.9 31.9 95.7





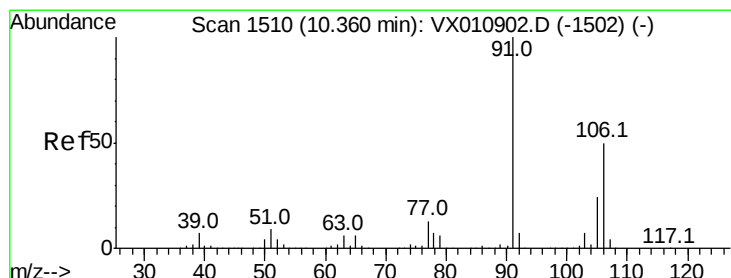
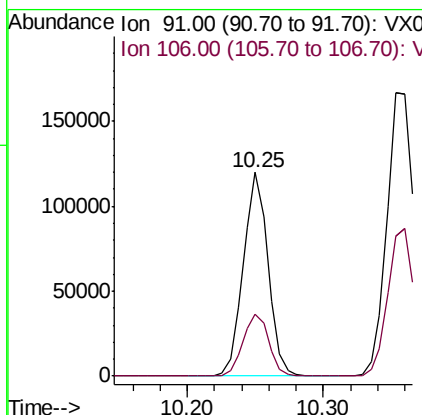
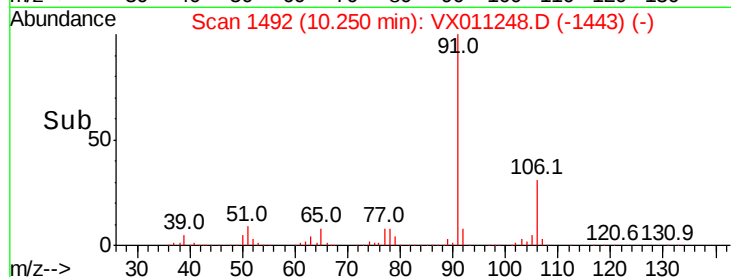
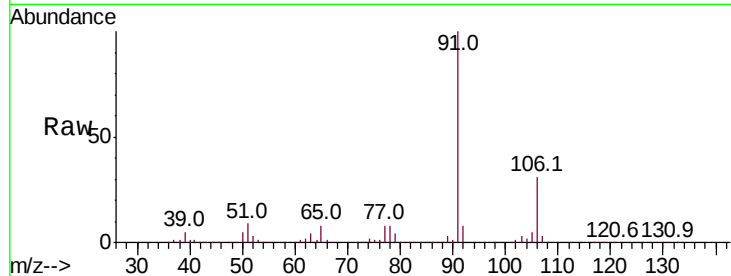
#67
Ethyl Benzene
Concen: 17.467 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX011248.D
Acq: 31 Jul 2019 17:16

Instrument :
MSVOA_X
ClientSampled :
VX0731MBS01

Tot Ion: 91 Resp: 152489
Ion Ratio Lower Upper
91 100
106 30.6 25.4 38.2

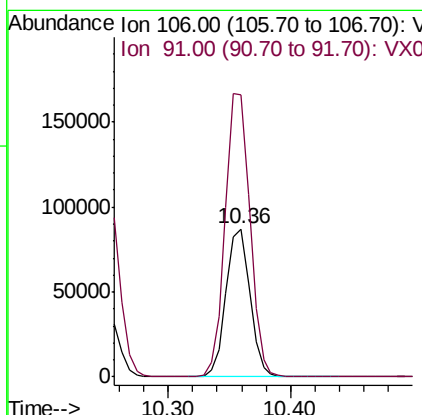
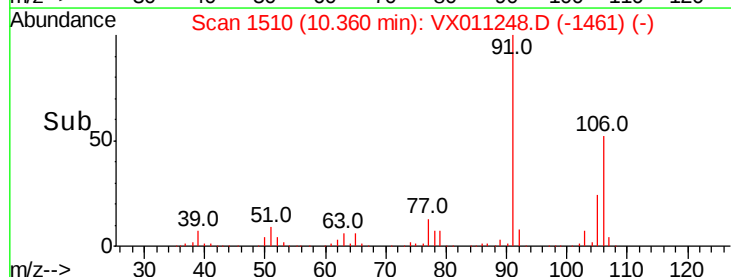
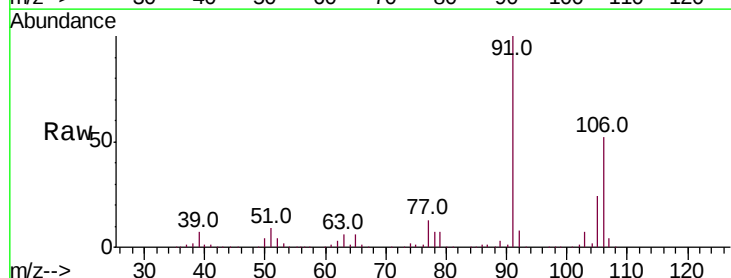
Manual Integrations
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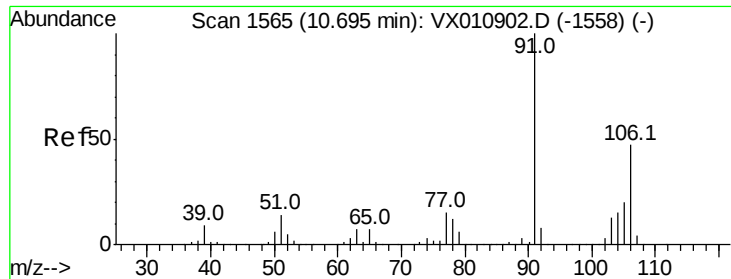
MMDadoda
8/1/2019 11:19:56 AM



#68
m/p-Xylenes
Concen: 35.277 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX011248.D
Acq: 31 Jul 2019 17:16

Tgt Ion: 106 Resp: 118138
Ion Ratio Lower Upper
106 100
91 199.0 160.1 240.1





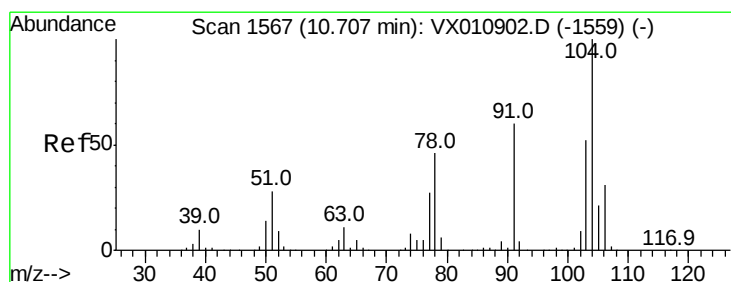
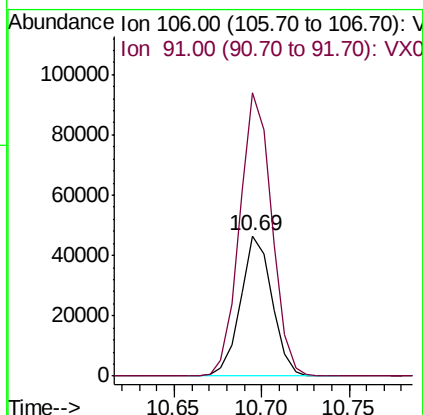
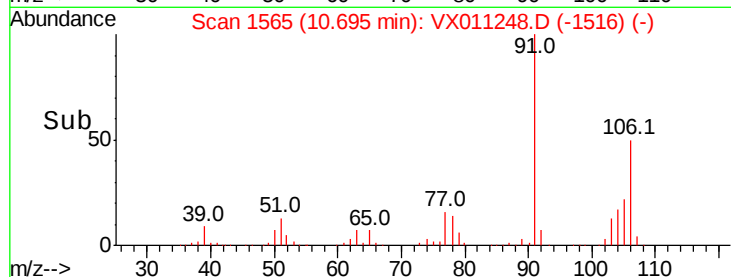
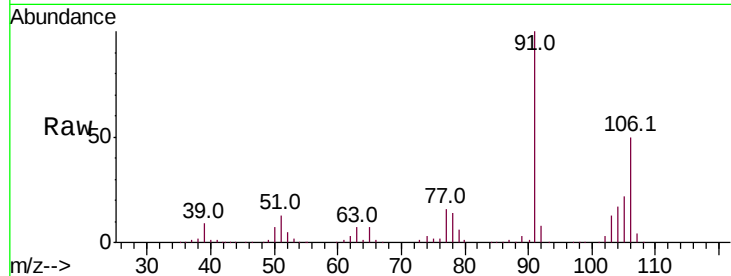
#69
o-Xylene
Concen: 17.862 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011248.D
Acq: 31 Jul 2019 17:16

Instrument :
MSVOA_X
ClientSampled :
VX0731MBS01

Tot Ion:106 Resp: 58378
Ion Ratio Lower Upper
106 100
91 206.2 105.1 315.3

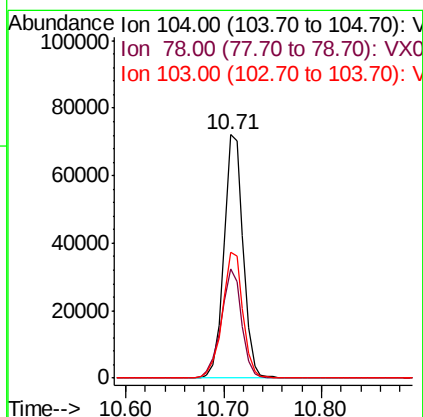
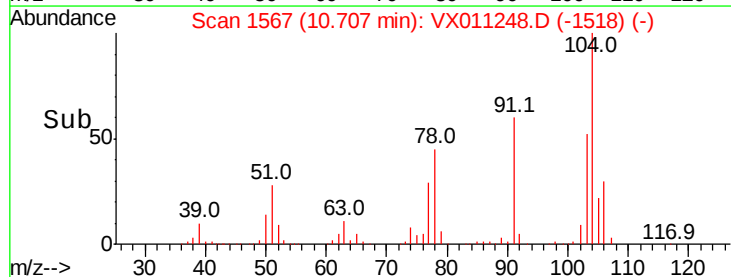
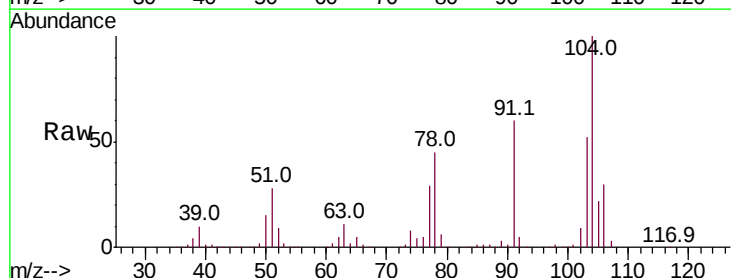
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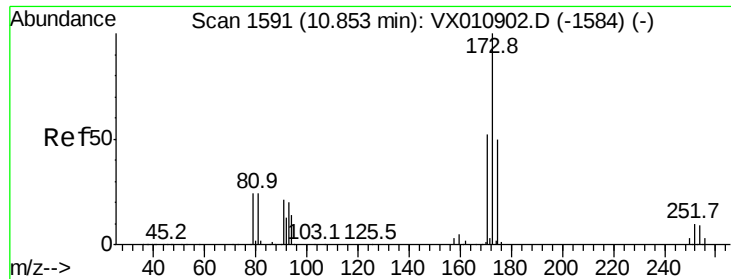
MMdadoda
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#70
Styrene
Concen: 17.955 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX011248.D
Acq: 31 Jul 2019 17:16

Tgt Ion:104 Resp: 97823
Ion Ratio Lower Upper
104 100
78 48.0 38.8 58.2
103 55.4 44.2 66.4





#71

Bromoform

Concen: 15.076 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX011248.D

Acq: 31 Jul 2019 17:16

Instrument :

MSVOA_X

ClientSampleId :

VX0731MBS01

Tot Ion:173 Resp: 21664

Ion Ratio Lower Upper

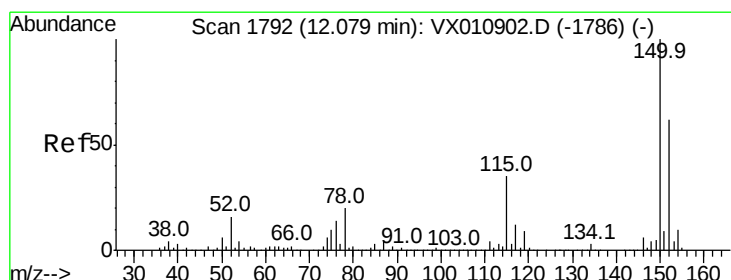
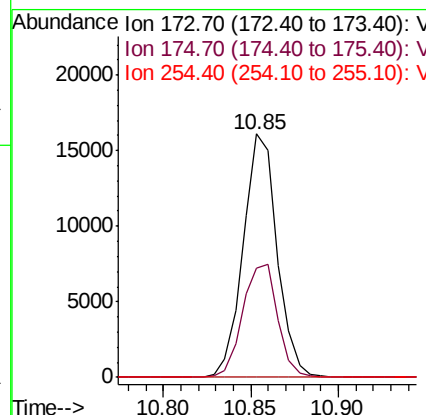
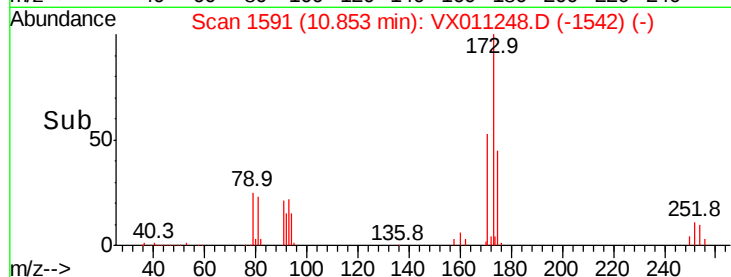
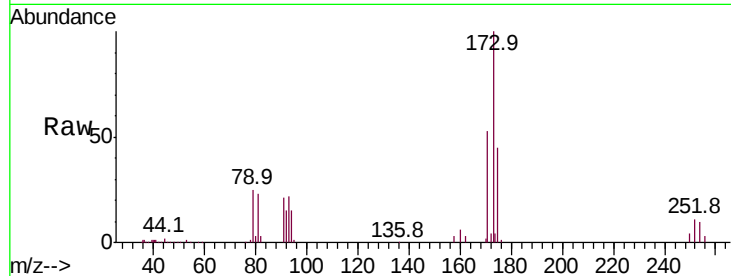
173 100

175 48.1 24.6 73.6

254 0.0 0.1 0.1#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX011248.D

Acq: 31 Jul 2019 17:16

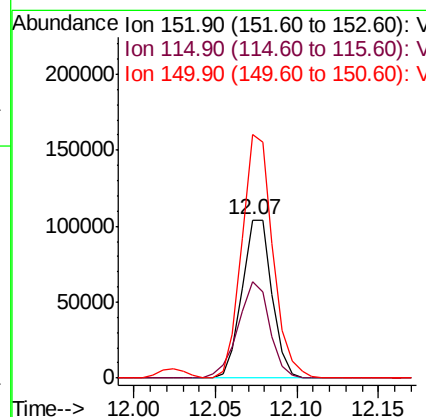
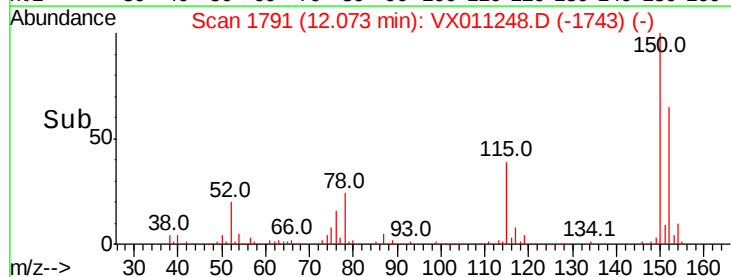
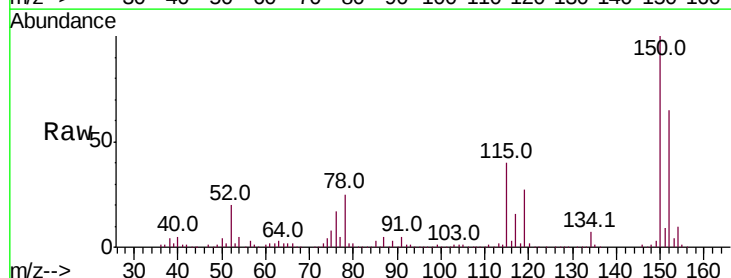
Tgt Ion:152 Resp: 133705

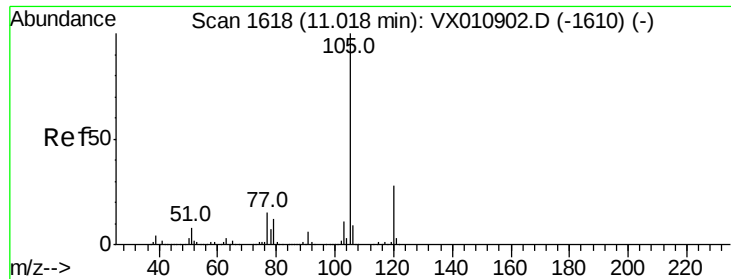
Ion Ratio Lower Upper

152 100

115 64.1 39.7 119.1

150 158.9 0.0 345.6





#73

Isopropylbenzene

Concen: 17.497 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX011248.D

Acq: 31 Jul 2019 17:16

Instrument :

MSVOA_X

ClientSampled :

VX0731MBS01

Tot Ion:105 Resp: 158073

Ion Ratio Lower Upper

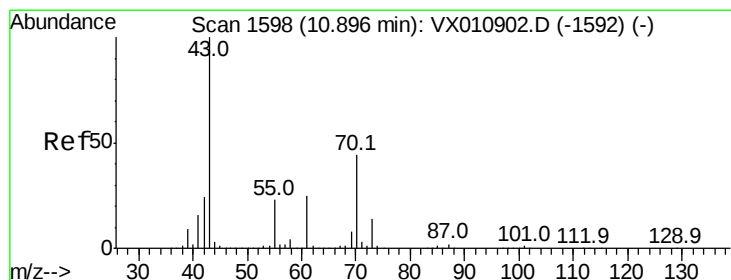
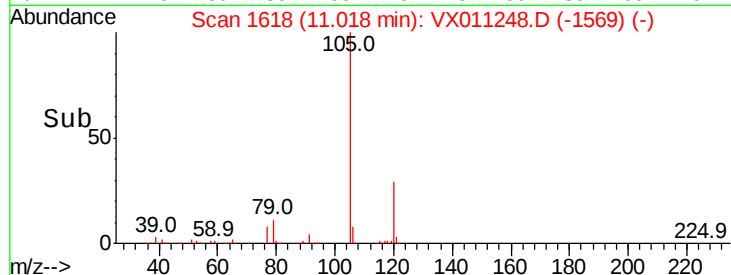
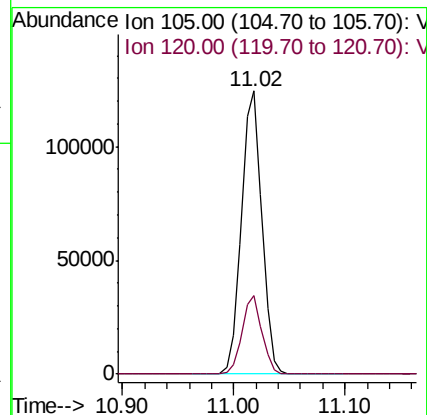
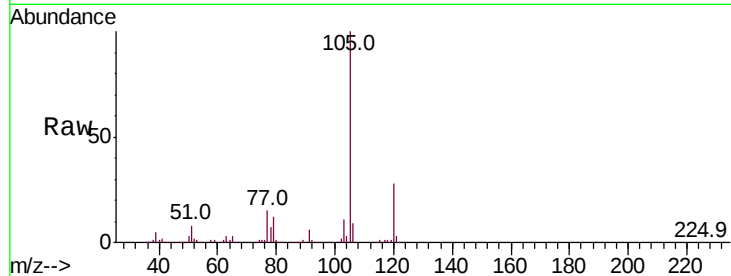
105 100

120 26.8 13.7 41.1

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#74

N-ethyl acetate

Concen: 16.742 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX011248.D

Acq: 31 Jul 2019 17:16

Tgt Ion: 43 Resp: 57794

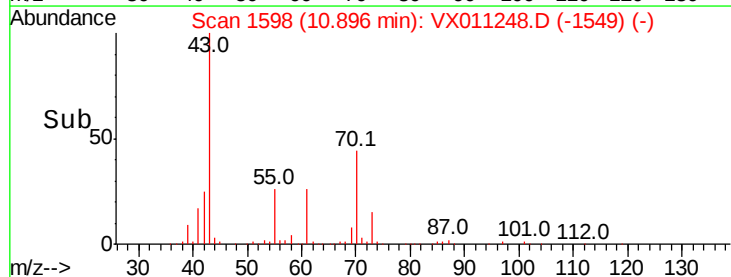
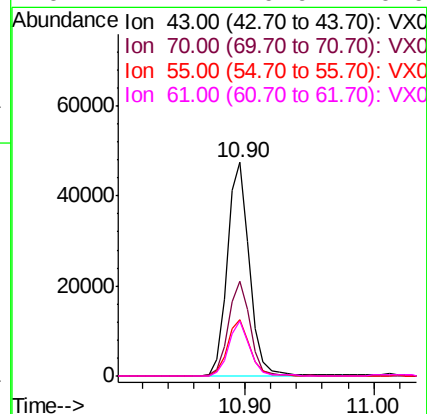
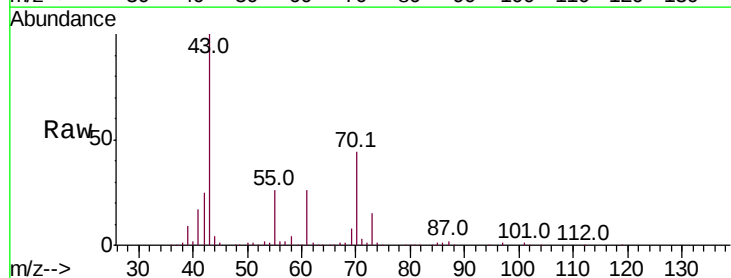
Ion Ratio Lower Upper

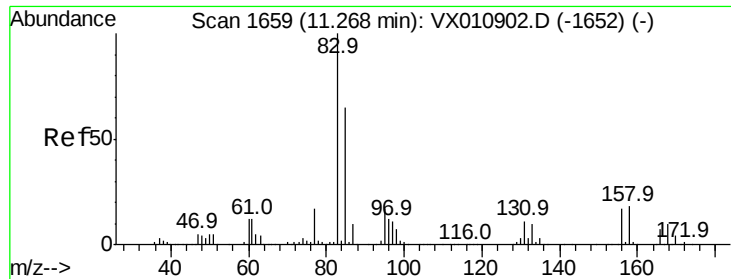
43 100

70 43.8 34.7 52.1

55 26.2 19.1 28.7

61 24.7 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 18.020 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VX011248.D

Acq: 31 Jul 2019 17:16

Instrument :

MSVOA_X

ClientSampled :

VX0731MBS01

Tot Ion: 83 Resp: 53277

Ion Ratio Lower Upper

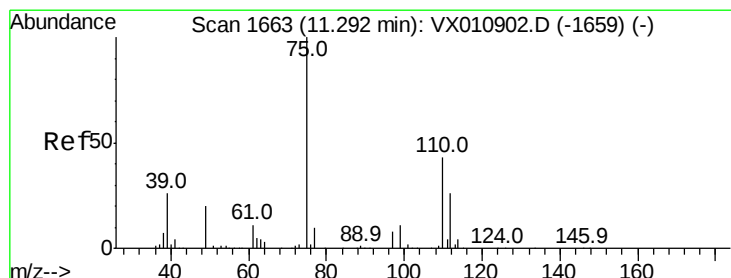
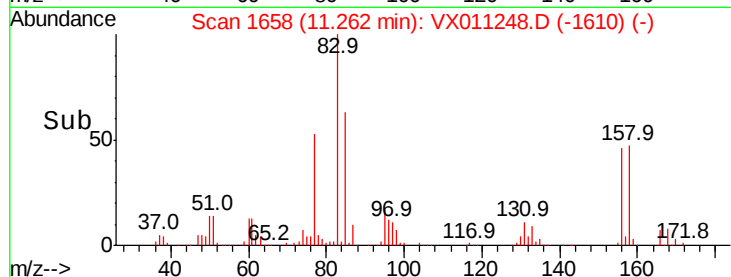
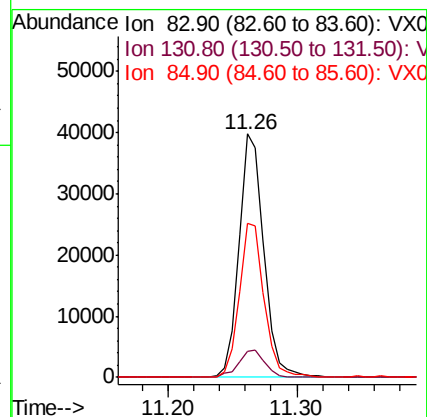
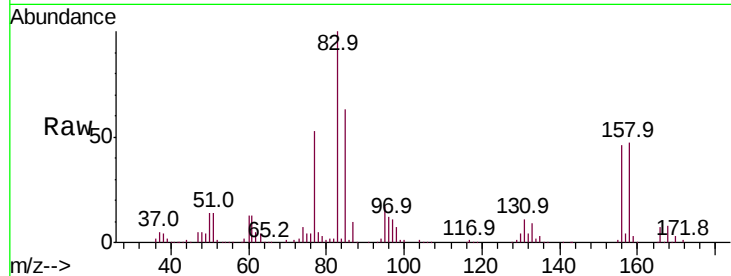
83 100

131 11.7 5.5 16.4

85 63.6 32.3 96.9

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#76

1,2,3-Trichloropropane

Concen: 18.356 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX011248.D

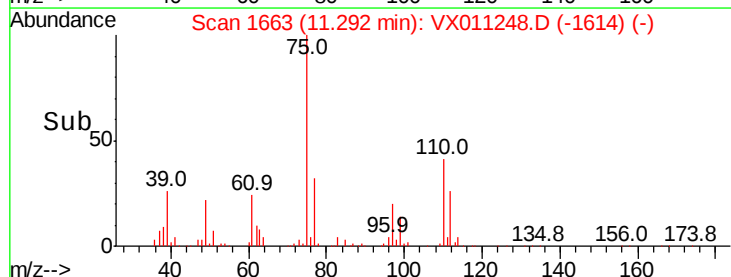
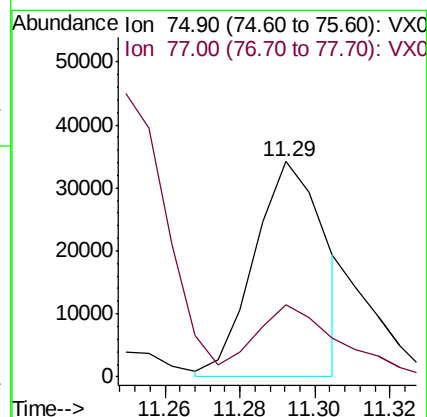
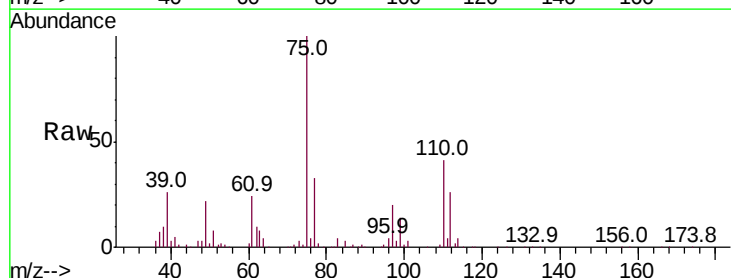
Acq: 31 Jul 2019 17:16

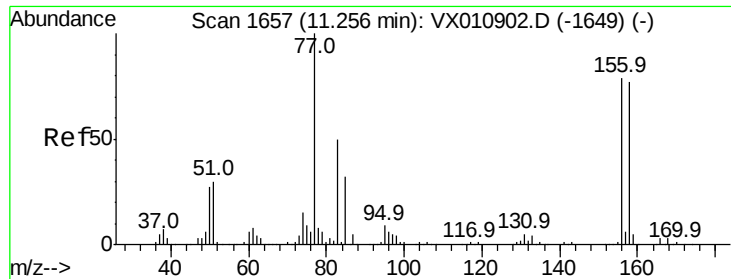
Tgt Ion: 75 Resp: 44288

Ion Ratio Lower Upper

75 100

77 40.4 21.3 64.0





#77

Bromobenzene

Concen: 17.191 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX011248.D

Acq: 31 Jul 2019 17:16

Instrument :

MSVOA_X

ClientSampleId :

VX0731MBS01

Tot Ion:156 Resp: 42840

Ion Ratio Lower Upper

156 100

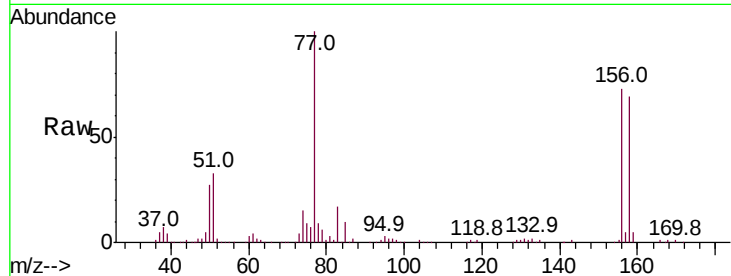
77 136.3 68.7 206.1

158 98.2 47.9 143.7

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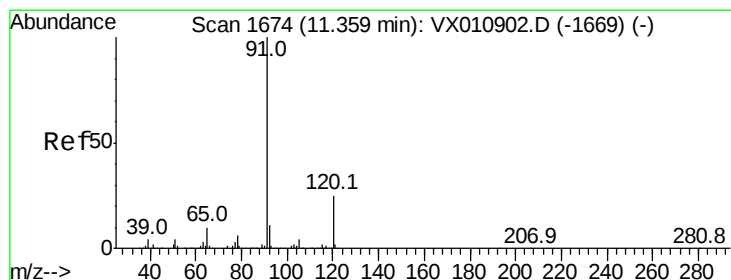
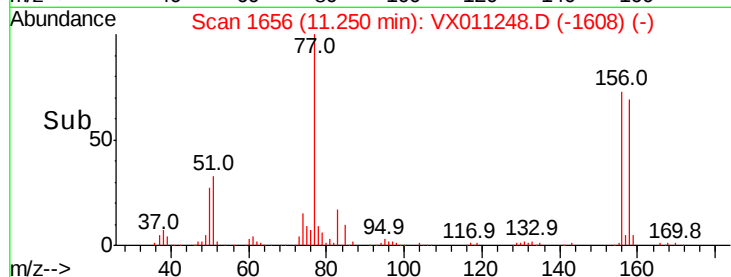
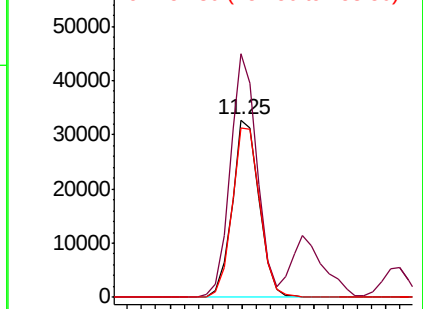
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 17.278 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX011248.D

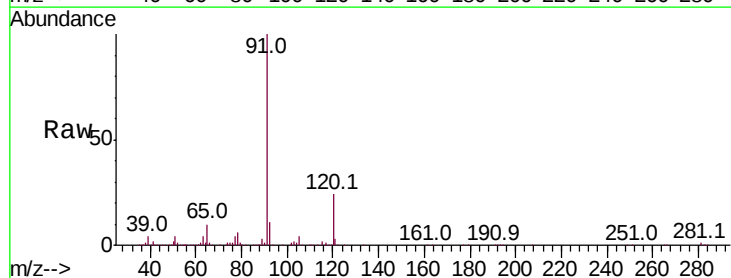
Acq: 31 Jul 2019 17:16

Tgt Ion: 91 Resp: 172478

Ion Ratio Lower Upper

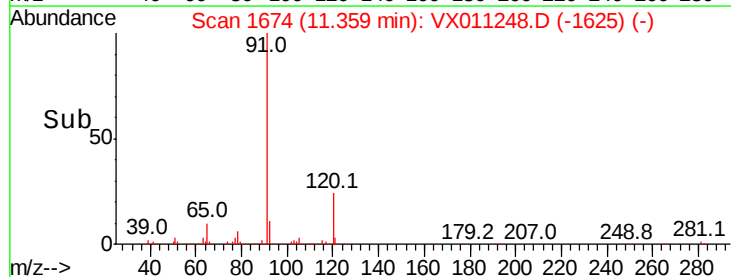
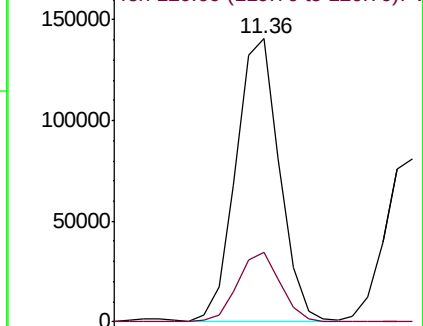
91 100

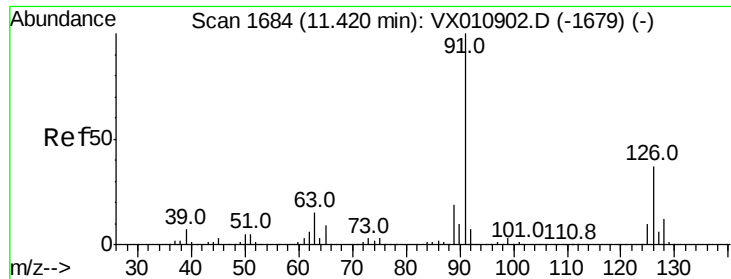
120 24.3 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 17.280 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX011248.D

Acq: 31 Jul 2019 17:16

Instrument :

MSVOA_X

ClientSampleId :

VX0731MBS01

Tot Ion: 91 Resp: 103620

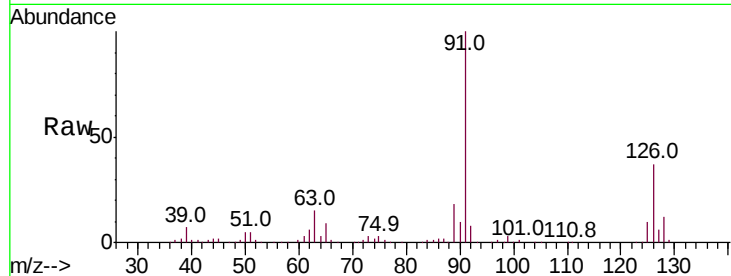
Ion Ratio Lower Upper

91 100

126 36.2 18.0 54.0

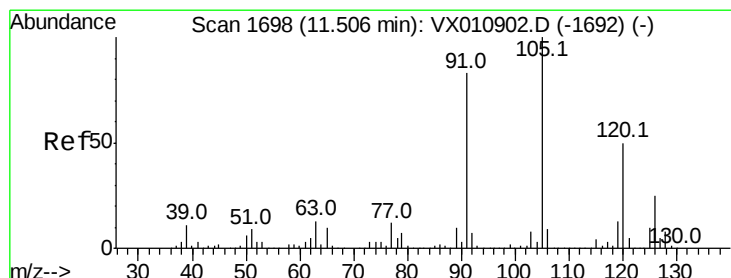
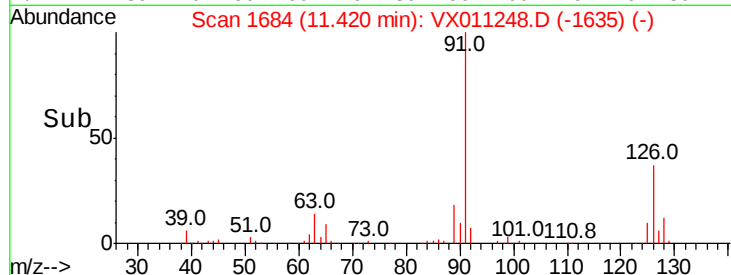
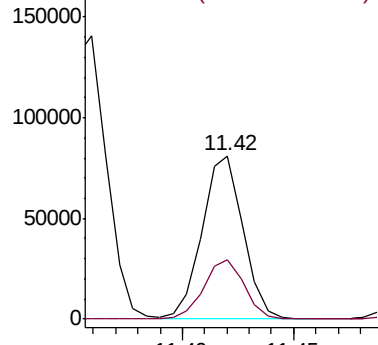
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 17.488 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX011248.D

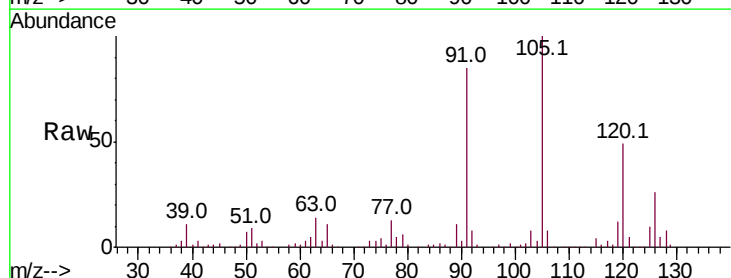
Acq: 31 Jul 2019 17:16

Tgt Ion:105 Resp: 132022

Ion Ratio Lower Upper

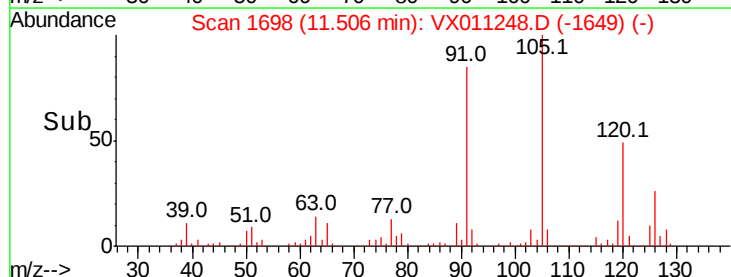
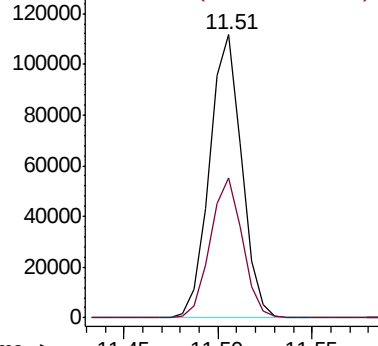
105 100

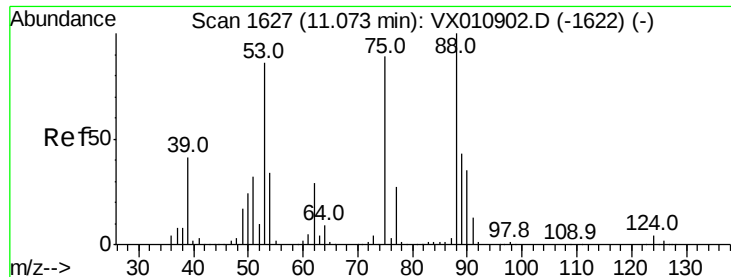
120 49.4 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 15.327 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX011248.D

Acq: 31 Jul 2019 17:16

Instrument :

MSVOA_X

ClientSampleId :

VX0731MBS01

Tot Ion: 75 Resp: 11741

Ion Ratio Lower Upper

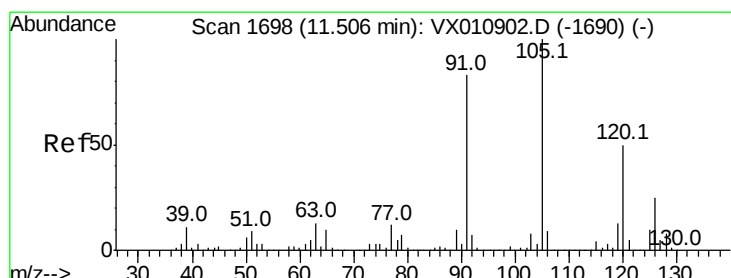
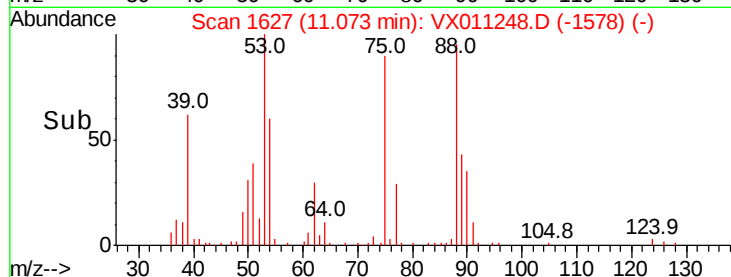
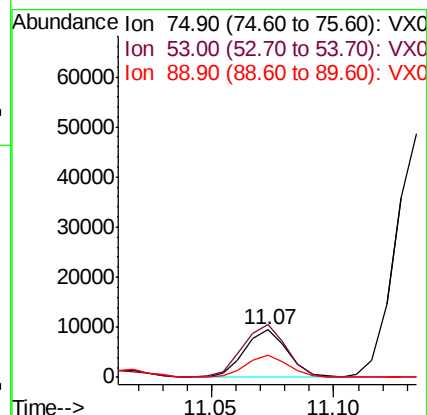
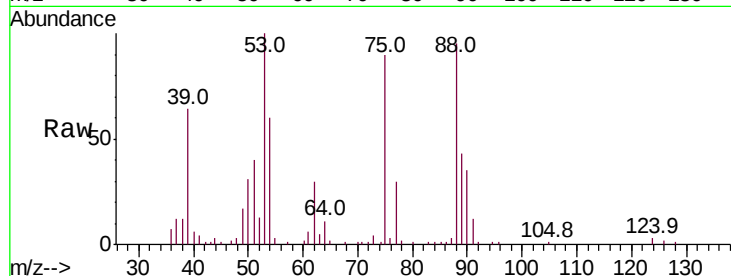
75 100

53 114.0 76.7 115.1

89 46.2 38.5 57.7

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#82

4-Chlorotoluene

Concen: 17.126 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX011248.D

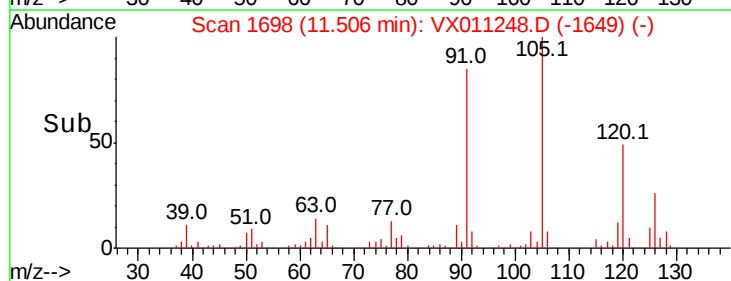
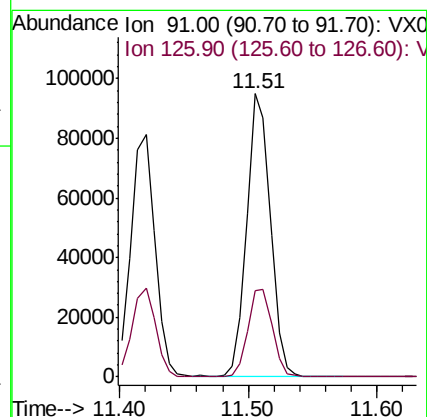
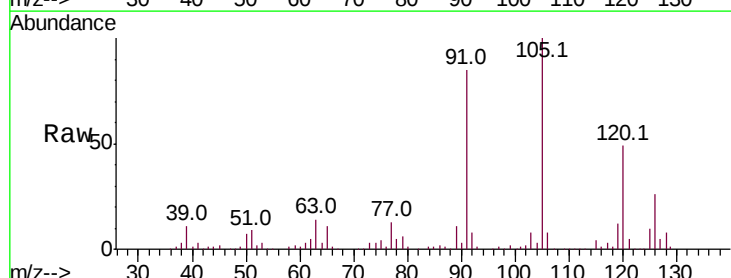
Acq: 31 Jul 2019 17:16

Tgt Ion: 91 Resp: 119531

Ion Ratio Lower Upper

91 100

126 32.0 15.9 47.7





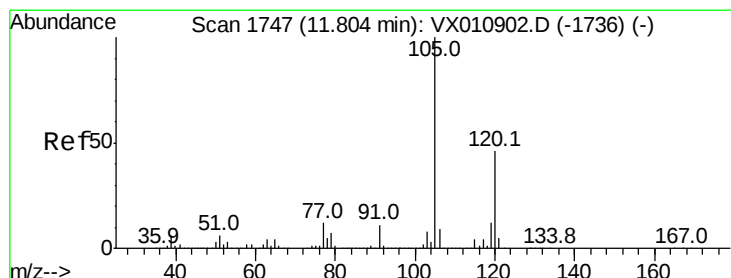
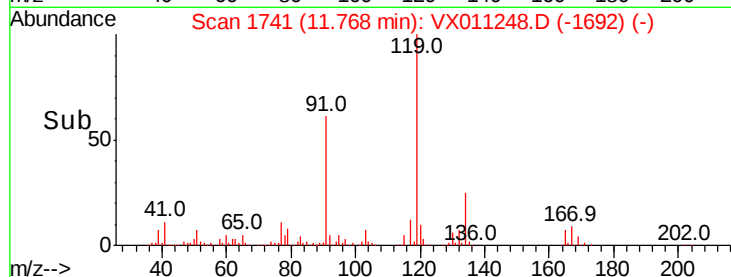
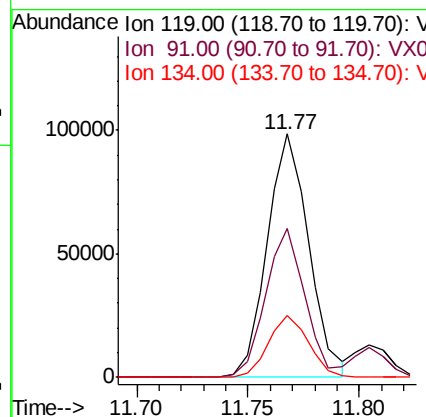
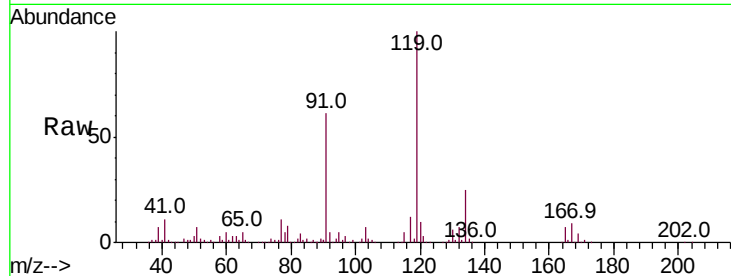
#83
tert-Butylbenzene
Concen: 17.228 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX011248.D
Acq: 31 Jul 2019 17:16

Instrument :
MSVOA_X
ClientSampled :
VX0731MBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	127746		
91	58.8		28.6	85.8
134	24.8		11.6	34.8

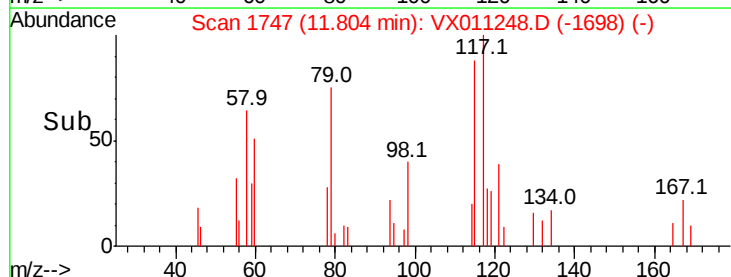
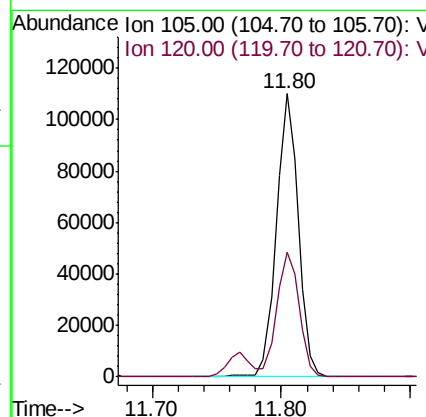
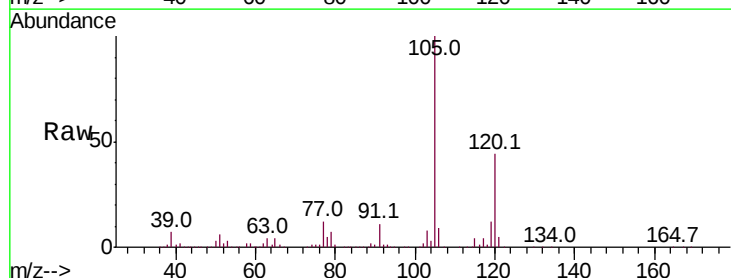
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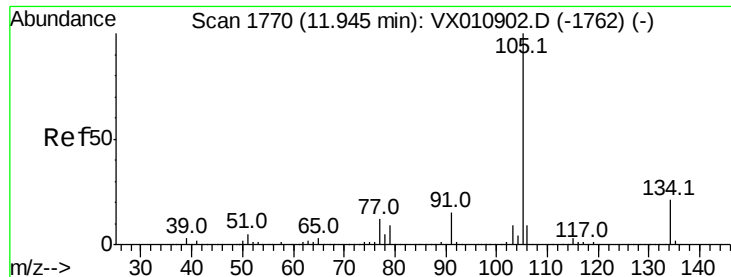
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#84
1,2,4-Trimethylbenzene
Concen: 17.244 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX011248.D
Acq: 31 Jul 2019 17:16

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	131205		
120	45.5		22.9	68.5





#85

sec-Butylbenzene

Concen: 17.399 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX011248.D

Acq: 31 Jul 2019 17:16

Instrument :

MSVOA_X

ClientSampled :

VX0731MBS01

Tot Ion:105 Resp: 151173

Ion Ratio Lower Upper

105 100

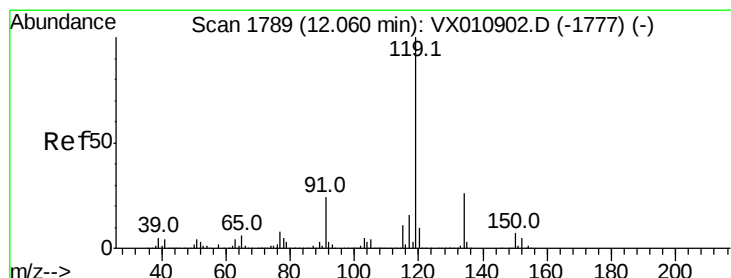
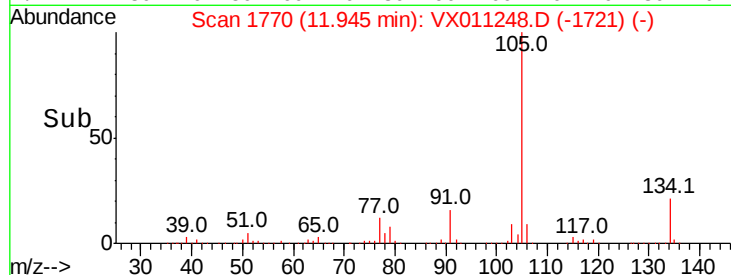
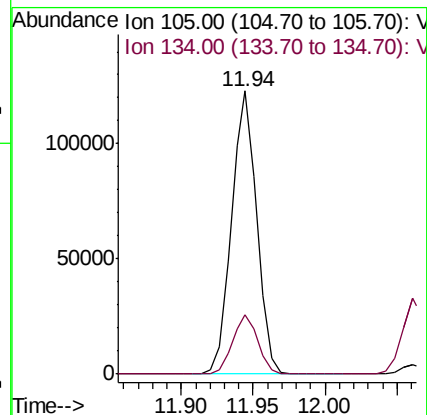
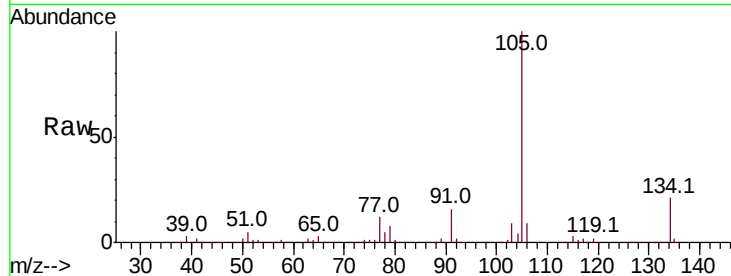
134 20.9 10.4 31.4

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#86

p-Isopropyltoluene

Concen: 17.567 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX011248.D

Acq: 31 Jul 2019 17:16

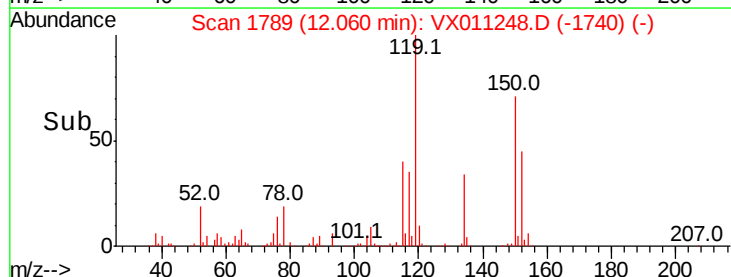
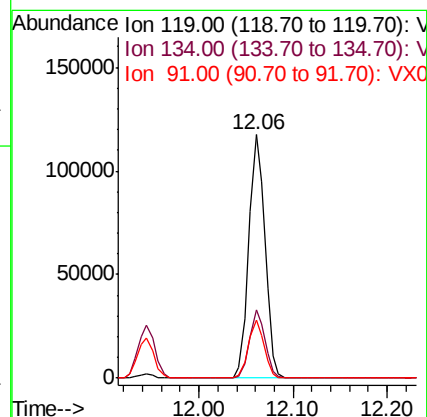
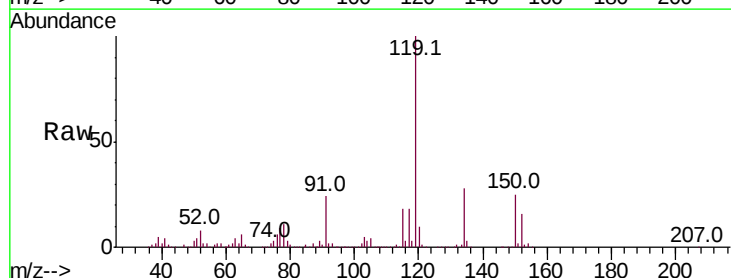
Tgt Ion:119 Resp: 141111

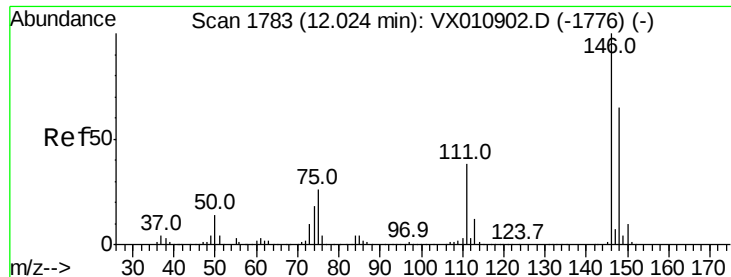
Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.1

91 23.2 11.8 35.4





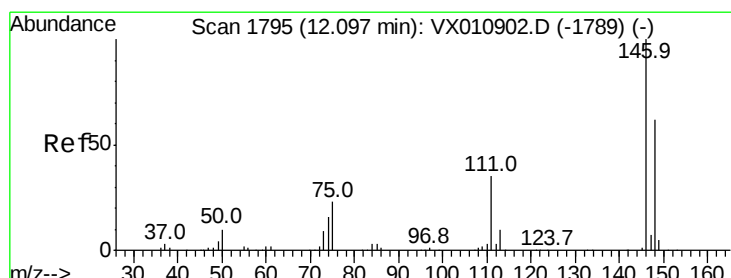
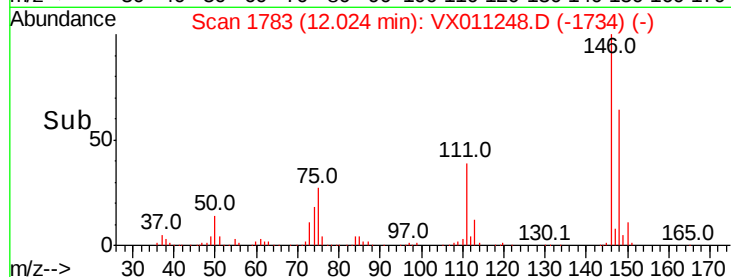
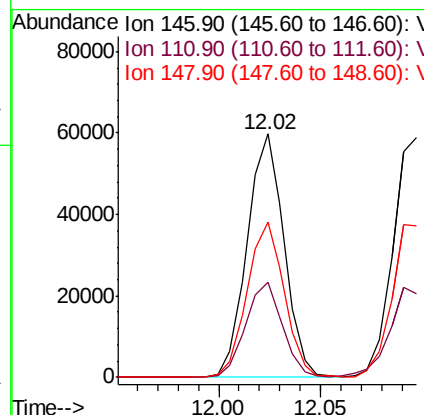
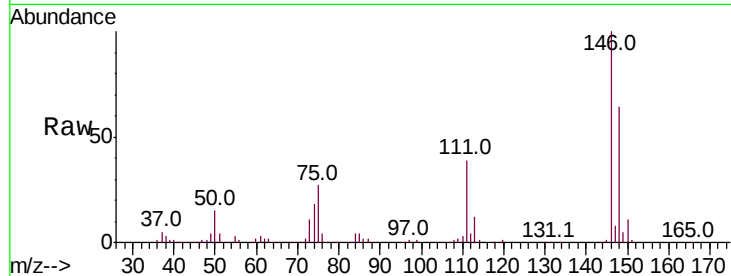
#87
 1,3-Dichlorobenzene
 Concen: 17.387 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX011248.D
 Acq: 31 Jul 2019 17:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0731MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	18.9	56.9
148	64.1	32.2	96.6

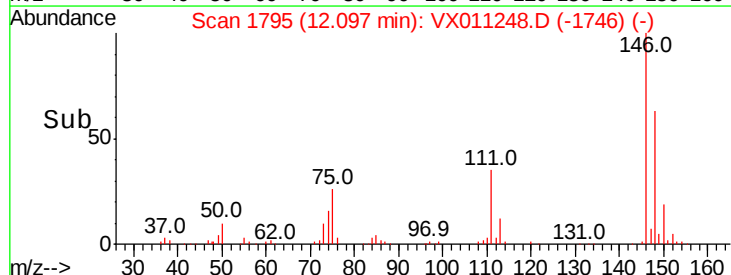
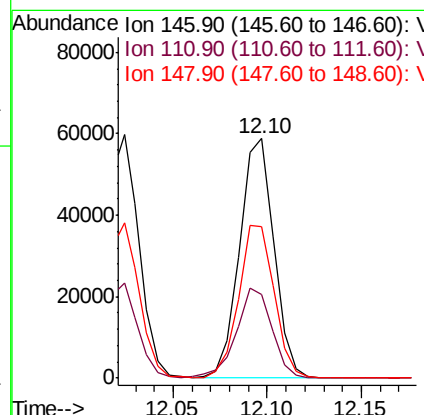
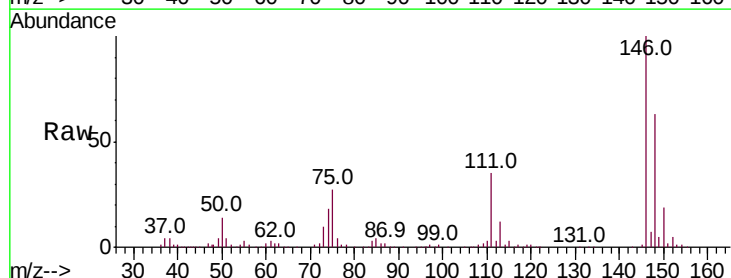
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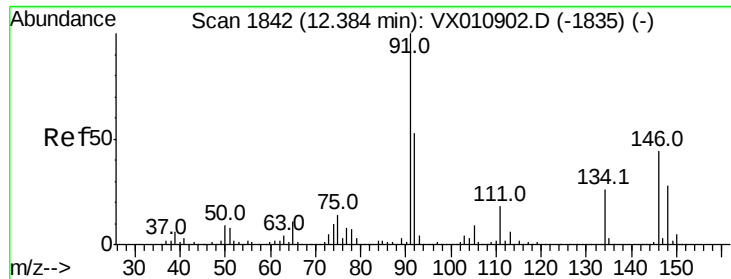
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#88
 1,4-Dichlorobenzene
 Concen: 16.755 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX011248.D
 Acq: 31 Jul 2019 17:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	18.6	55.8
148	66.3	31.6	94.7





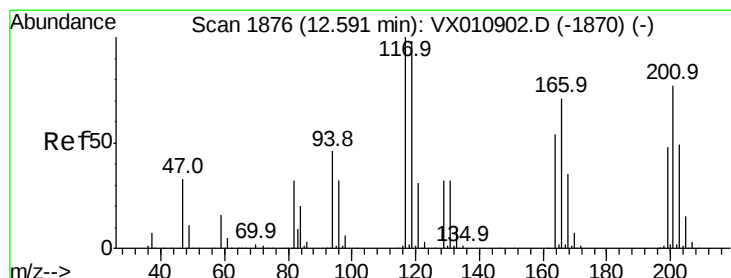
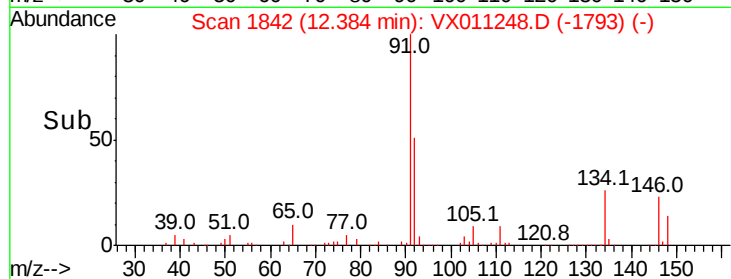
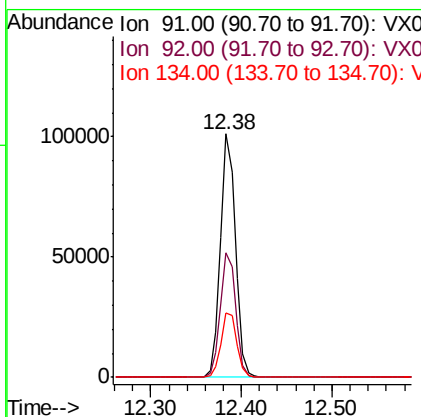
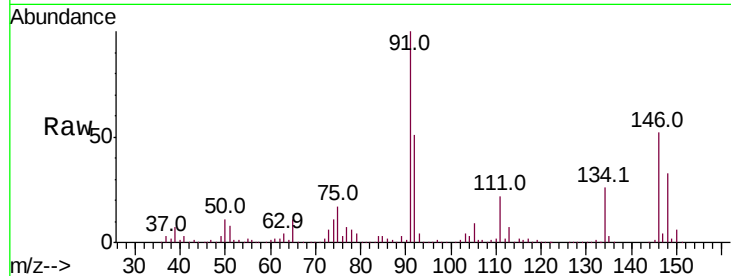
#89
n-Butylbenzene
Concen: 17.149 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX011248.D
Acq: 31 Jul 2019 17:16

Instrument :
MSVOA_X
ClientSampled :
VX0731MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.2	78.5
134	27.4	13.8	41.3

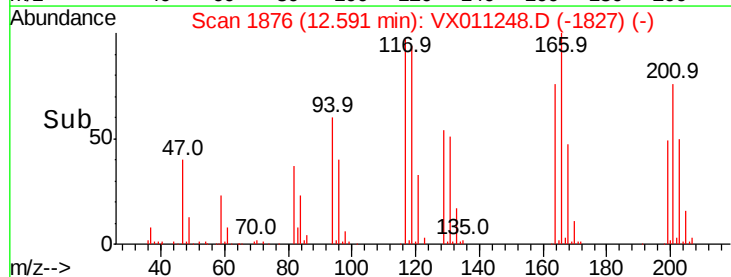
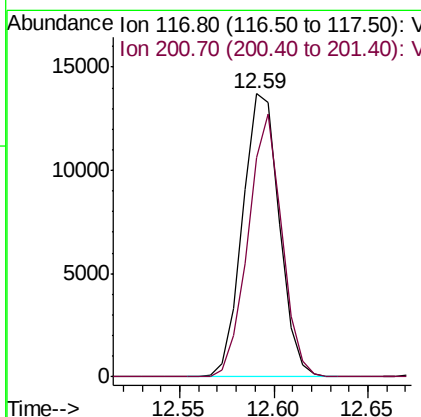
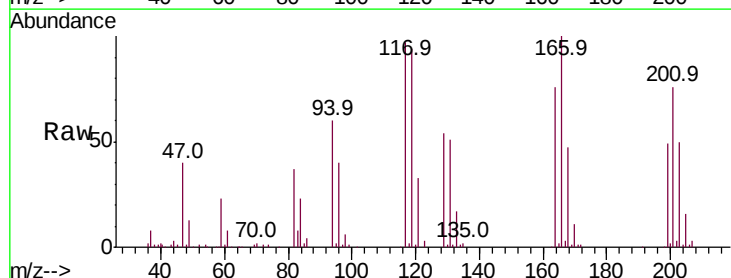
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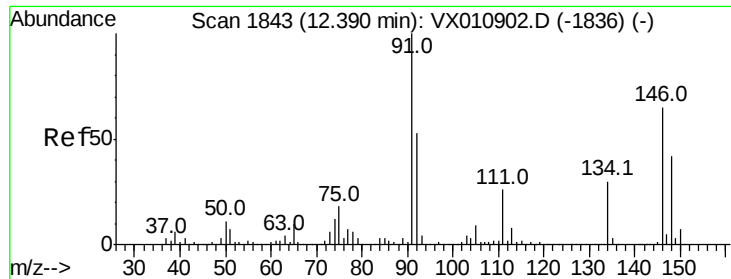
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#90
Hexachloroethane
Concen: 14.600 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. 0.00 min
Lab File: VX011248.D
Acq: 31 Jul 2019 17:16

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.4	43.3	129.8





#91

1,2-Dichlorobenzene

Concen: 17.947 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX011248.D

Acq: 31 Jul 2019 17:16

Instrument :

MSVOA_X

ClientSampleId :

VX0731MBS01

Tot Ion:146 Resp: 76924

Ion Ratio Lower Upper

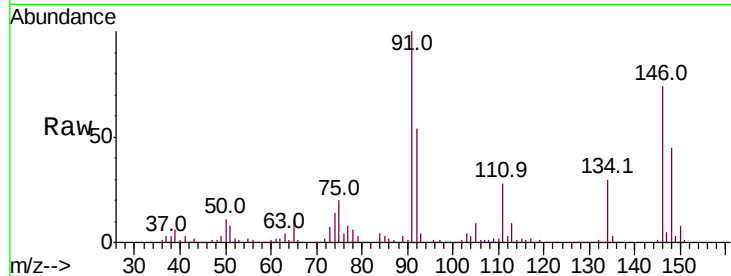
146 100

111 39.2 19.9 59.7

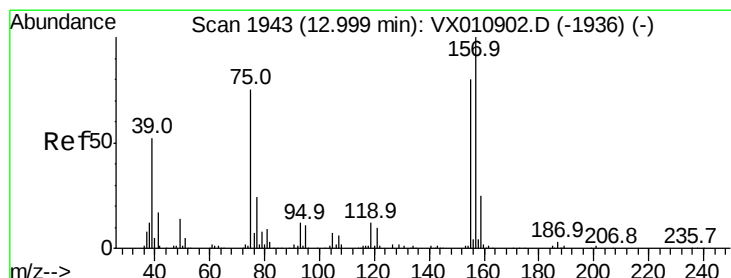
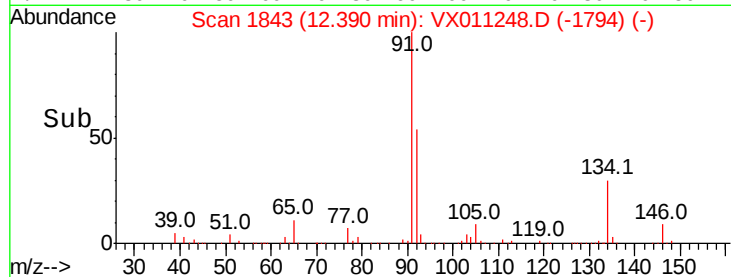
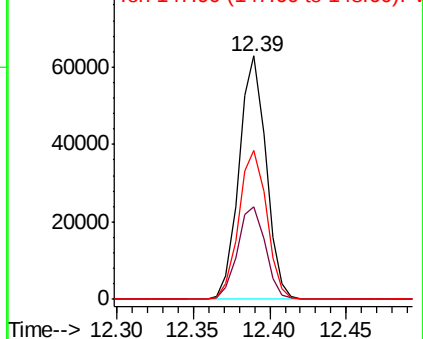
148 63.4 32.0 96.2

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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 16.543 ug/l

RT: 12.99 min Scan# 1942

Delta R.T. -0.01 min

Lab File: VX011248.D

Acq: 31 Jul 2019 17:16

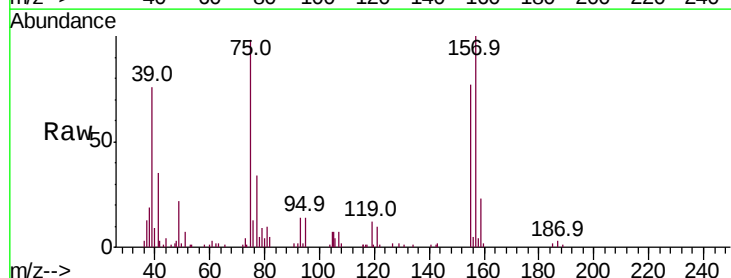
Tgt Ion: 75 Resp: 10224

Ion Ratio Lower Upper

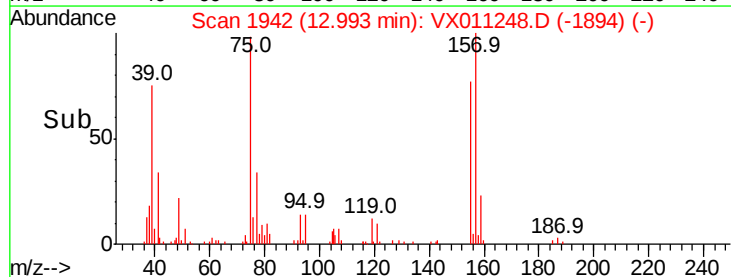
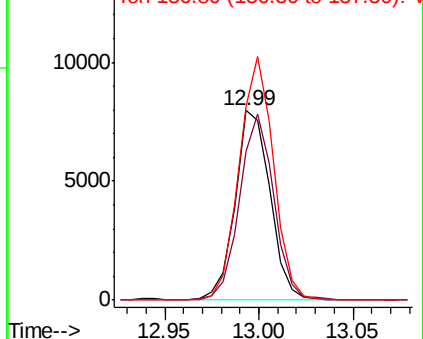
75 100

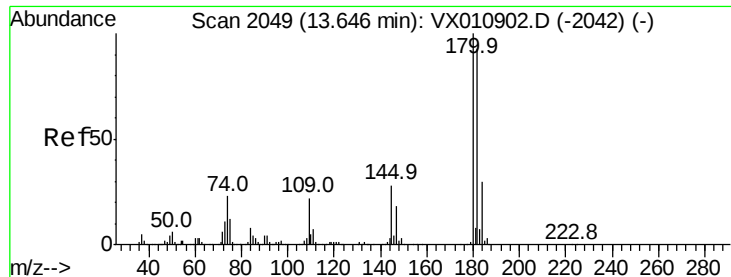
155 96.6 48.7 146.1

157 126.0 62.5 187.6



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 17.414 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. -0.00 min

Lab File: VX011248.D

Acq: 31 Jul 2019 17:16

Instrument :

MSVOA_X

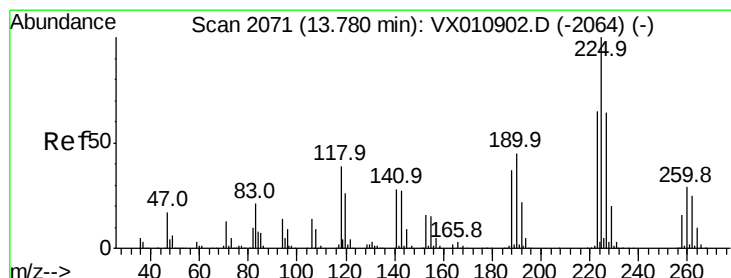
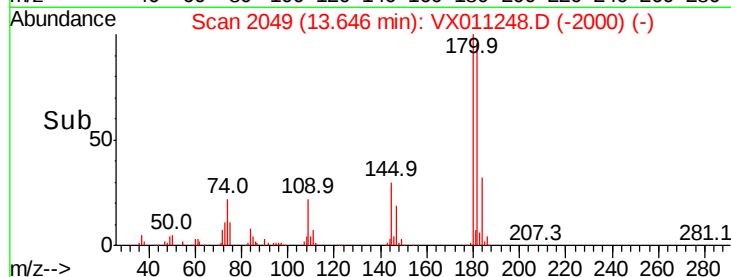
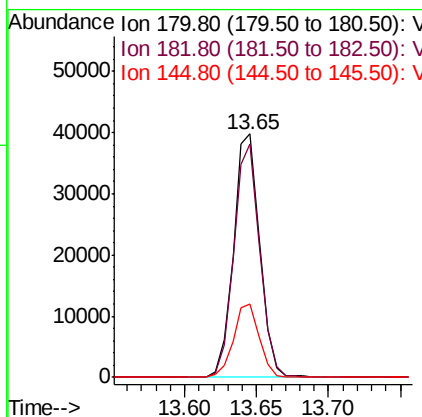
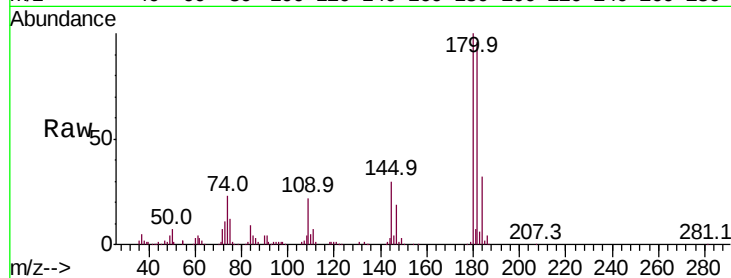
ClientSampled :

VX0731MBS01

Tot Ion:	180	Resp:	50584
Ion Ratio	Lower	Upper	
180	100		
182	94.9	47.1	141.3
145	29.6	14.8	44.4

Manual Integrations
APPROVED

MMdadoda
8/1/2019 11:19:56 AM



#94

Hexachlorobutadiene

Concen: 17.533 ug/l

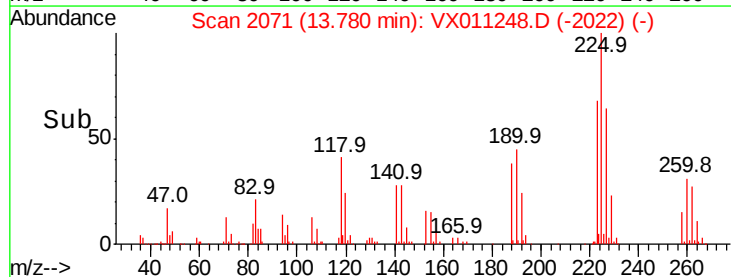
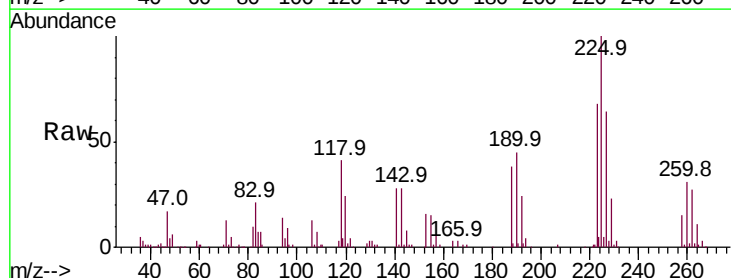
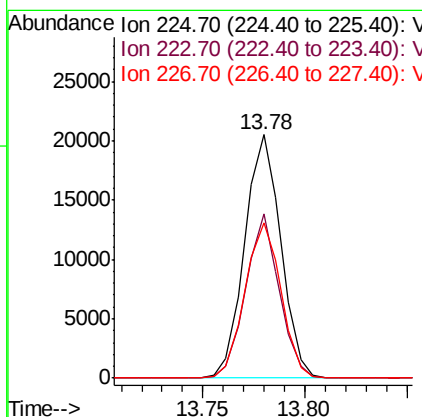
RT: 13.78 min Scan# 2071

Delta R.T. -0.00 min

Lab File: VX011248.D

Acq: 31 Jul 2019 17:16

Tgt Ion:	225	Resp:	25237
Ion Ratio	Lower	Upper	
225	100		
223	62.7	31.9	95.9
227	63.7	32.5	97.4





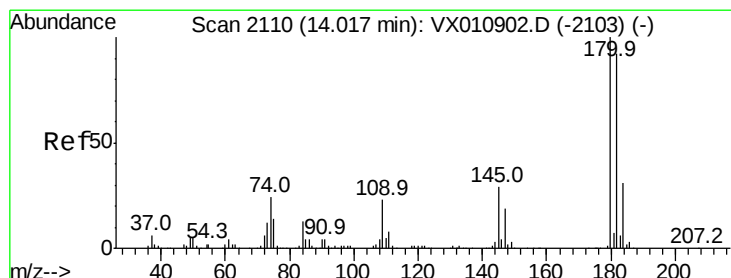
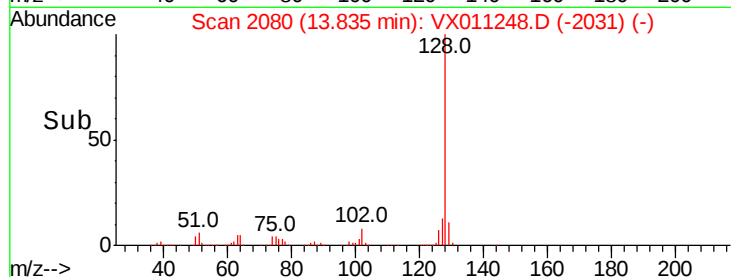
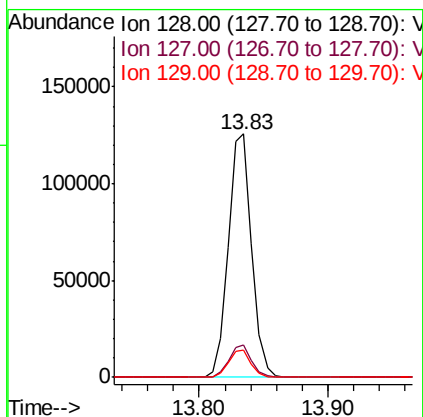
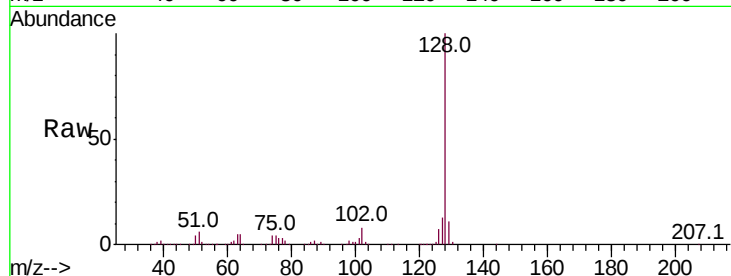
#95
Naphthalene
Concen: 18.658 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX011248.D
Acq: 31 Jul 2019 17:16

Instrument :
MSVOA_X
ClientSampleId :
VX0731MBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.9	8.9	13.3

Manual Integrations
APPROVED

MMdadoda
8/1/2019 11:19:56 AM



#96
1,2,3-Trichlorobenzene
Concen: 18.181 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX011248.D
Acq: 31 Jul 2019 17:16

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.4	142.3
145	30.9	15.1	45.3

