

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120518\
 Data File : VX006293.D
 Acq On : 05 Dec 2018 11:58
 Operator : JC/MD
 Sample : VX1205MBS01
 Misc : 5.0µl/10mL/100µL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1205MBS01

Manual Integrations
 APPROVED

MMDadoda
 12/7/2018 10:41:56 AM

Quant Time: Dec 06 00:30:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	701569	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1056586	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	952605	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	474451	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	363624	50.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.54%	
35) Dibromofluoromethane	5.50	113	347597	50.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.62%	
50) Toluene-d8	8.71	98	1247964	50.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.30%	
62) 4-Bromofluorobenzene	11.13	95	465969	49.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	141855	20.650	ug/l	99
3) Chloromethane	1.33	50	132726	18.802	ug/l	97
4) Vinyl Chloride	1.41	62	147080	19.359	ug/l	97
5) Bromomethane	1.64	94	97955	18.604	ug/l	98
6) Chloroethane	1.72	64	94118	20.204	ug/l	95
7) Trichlorofluoromethane	1.93	101	226754	19.443	ug/l	100
8) Diethyl Ether	2.19	74	86627	19.627	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.39	101	130505	19.680	ug/l	99
10) Methyl Iodide	2.51	142	149280	14.937	ug/l	99
11) Tert butyl alcohol	3.07	59	183940	93.913	ug/l	98
12) 1,1-Dichloroethene	2.38	96	120957	19.054	ug/l	95
13) Acrolein	2.29	56	102048	95.327	ug/l	100
14) Allyl chloride	2.73	41	229116	18.270	ug/l	99
15) Acrylonitrile	3.15	53	388905	95.153	ug/l	99
16) Acetone	2.45	43	315892	93.987	ug/l	95
17) Carbon Disulfide	2.57	76	346985	17.738	ug/l	97
18) Methyl Acetate	2.78	43	222278	19.776	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	436602	19.279	ug/l	100
20) Methylene Chloride	2.86	84	135380	18.926	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	129842	19.193	ug/l	94
22) Diisopropyl ether	3.87	45	391193	19.972	ug/l	99
23) Vinyl Acetate	3.82	43	1636339	97.947	ug/l	100
24) 1,1-Dichloroethane	3.70	63	229482	20.497	ug/l	98
25) 2-Butanone	4.70	43	472128	98.448	ug/l	99
26) 2,2-Dichloropropane	4.59	77	207644	20.097	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	151277	20.047	ug/l	99
28) Bromochloromethane	5.02	49	99030	20.251	ug/l	99
29) Tetrahydrofuran	5.15	42	317074	95.131	ug/l	97
30) Chloroform	5.21	83	238342	20.258	ug/l	96
31) Cyclohexane	5.57	56	199143	19.247	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	220407	19.689	ug/l	98
36) 1,1-Dichloropropene	5.80	75	172925	19.435	ug/l	98
37) Ethyl Acetate	4.85	43	186822	18.750	ug/l	97
38) Carbon Tetrachloride	5.79	117	199451	19.055	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	222135	19.234	ug/l	99
40) Benzene	6.14	78	527033	19.777	ug/l	97
41) Methacrylonitrile	5.06	41	102571	18.708	ug/l	98
42) 1,2-Dichloroethane	6.20	62	176785	20.270	ug/l	100
43) Isopropyl Acetate	6.46	43	305976	18.418	ug/l	99
44) Trichloroethene	7.21	130	157567	19.518	ug/l	98
45) 1,2-Dichloropropane	7.52	63	131838	19.466	ug/l	99
46) Dibromomethane	7.66	93	95563	19.537	ug/l	99
47) Bromodichloromethane	7.90	83	183656	19.388	ug/l	98
48) Methyl methacrylate	7.77	41	151616	18.760	ug/l	98
49) 1,4-Dioxane	7.75	88	77308	388.105	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	934262	96.603	ug/l	98
52) Toluene	8.79	92	343552	19.595	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	206938	18.680	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	219435	19.076	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	141892	19.921	ug/l	96
56) Ethyl methacrylate	9.18	69	211176	18.965	ug/l	99
57) 1,3-Dichloropropane	9.37	76	227313	20.182	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	547775	96.944	ug/l	99
59) 2-Hexanone	9.49	43	716475	96.968	ug/l	99
60) Dibromochloromethane	9.58	129	165825	18.881	ug/l	100
61) 1,2-Dibromoethane	9.67	107	155538	19.530	ug/l	99
64) Tetrachloroethene	9.34	164	143593	20.016	ug/l	98
65) Chlorobenzene	10.14	112	403316	19.945	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	153039	19.478	ug/l	99
67) Ethyl Benzene	10.25	91	652325	19.396	ug/l	99
68) m/p-Xylenes	10.36	106	522706	38.799	ug/l	100
69) o-Xylene	10.70	106	259065	19.468	ug/l	100
70) Styrene	10.71	104	414476	19.257	ug/l	98
71) Bromoform	10.86	173	131556	17.738	ug/l	100
73) Isopropylbenzene	11.02	105	683122	20.849	ug/l	100
74) N-amyl acetate	10.90	43	272336	19.302	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	214726	20.485	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	209431m	22.869	ug/l	
77) Bromobenzene	11.26	156	185685	20.421	ug/l	99
78) n-propylbenzene	11.36	91	741850	20.368	ug/l	99
79) 2-Chlorotoluene	11.42	91	449219	20.752	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	566180	20.769	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	72515	18.583	ug/l	93
82) 4-Chlorotoluene	11.51	91	507908	20.180	ug/l	100
83) tert-Butylbenzene	11.77	119	600927	20.660	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	570443	20.264	ug/l	100
85) sec-Butylbenzene	11.94	105	676592	20.447	ug/l	100
86) p-Isopropyltoluene	12.06	119	602762	20.229	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	322514	19.934	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	320961	19.545	ug/l	98
89) n-Butylbenzene	12.39	91	497376	19.563	ug/l	100
90) Hexachloroethane	12.60	117	118144	19.454	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	321575	20.026	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	48547	18.067	ug/l	97

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ClientSampleId :
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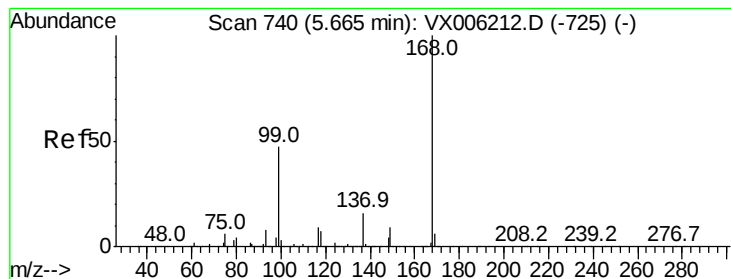
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	226818	19.361	ug/l	100
94) Hexachlorobutadiene	13.79	225	104435	20.158	ug/l	99
95) Naphthalene	13.83	128	729103	20.008	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	225579	19.441	ug/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. 0.00 min

Lab File: VX006293.D

Acq: 05 Dec 2018 11:58

Instrument :

MSVOA_X

ClientSampled :

VX1205MBS01

Tot Ion:168 Resp: 701569

Ion Ratio Lower Upper

168 100

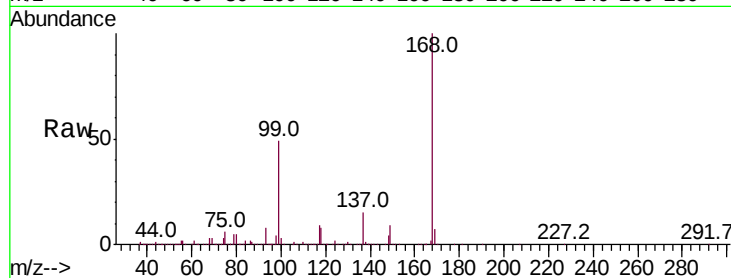
99 48.6 37.8 56.8

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

250000

200000

150000

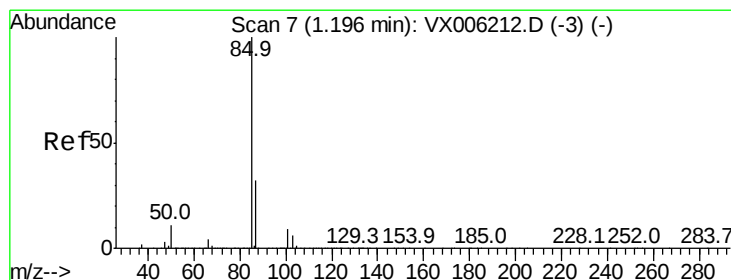
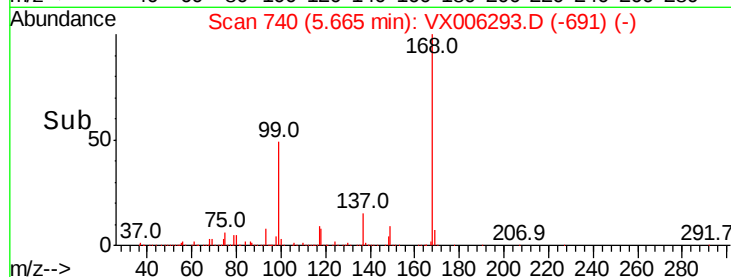
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50000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 20.650 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX006293.D

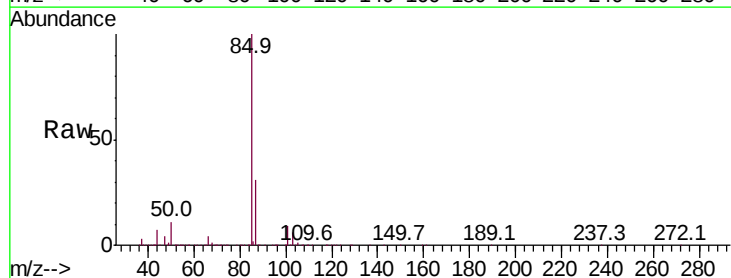
Acq: 05 Dec 2018 11:58

Tgt Ion: 85 Resp: 141855

Ion Ratio Lower Upper

85 100

87 31.4 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

150000

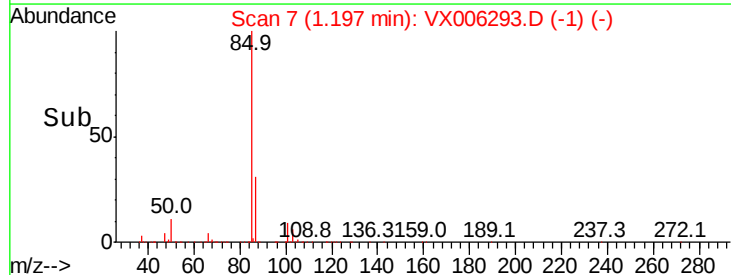
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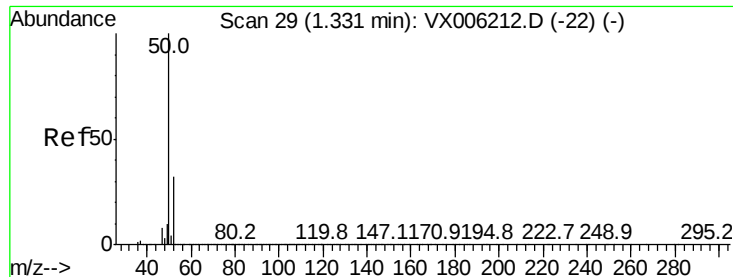
50000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 18.802 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX006293.D

Acq: 05 Dec 2018 11:58

Instrument :

MSVOA_X

ClientSampleId :

VX1205MBS01

Tot Ion: 50 Resp: 132726

Ion Ratio Lower Upper

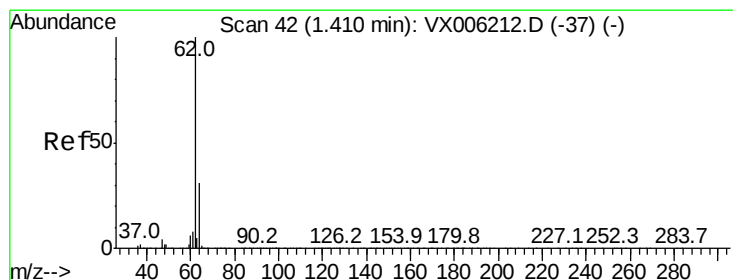
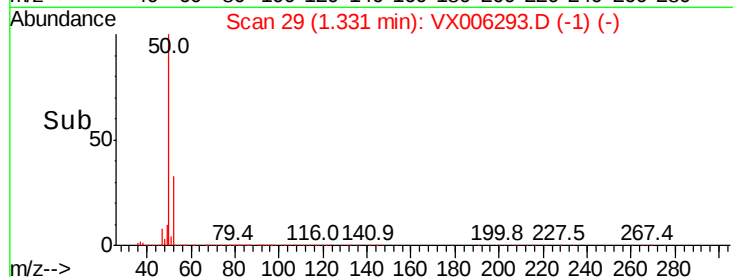
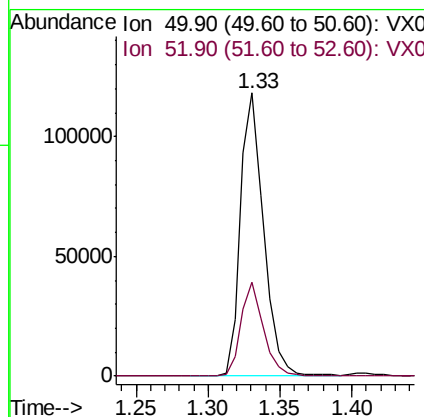
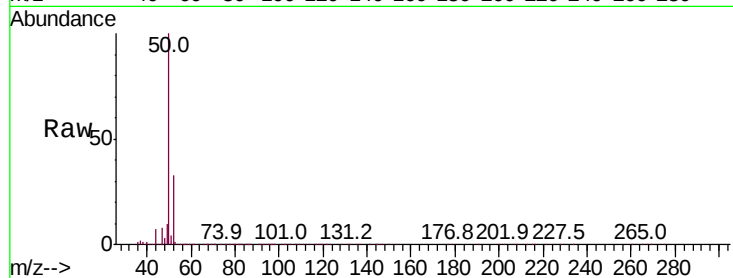
50 100

52 33.0 25.2 37.8

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12/7/2018 10:41:56 AM



#4

Vinyl Chloride

Concen: 19.359 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX006293.D

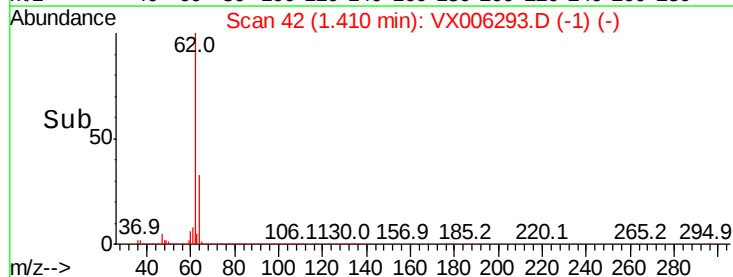
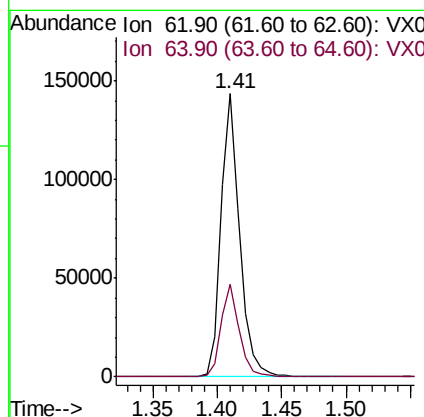
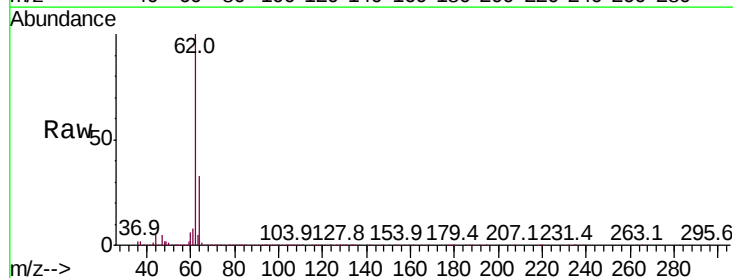
Acq: 05 Dec 2018 11:58

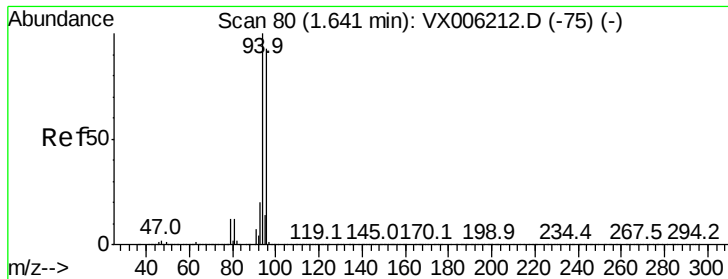
Tgt Ion: 62 Resp: 147080

Ion Ratio Lower Upper

62 100

64 32.5 24.9 37.3





#5

Bromomethane

Concen: 18.604 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006293.D

Acq: 05 Dec 2018 11:58

Instrument :

MSVOA_X

ClientSampleId :

VX1205MBS01

Tot Ion: 94 Resp: 97955

Ion Ratio Lower Upper

94 100

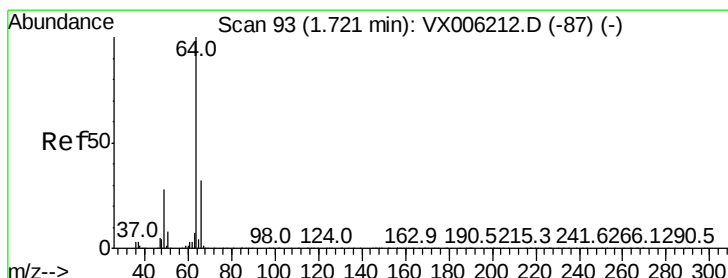
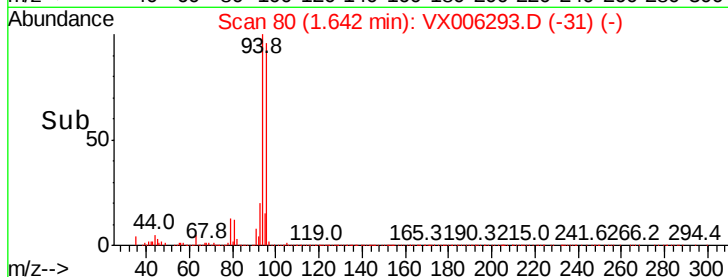
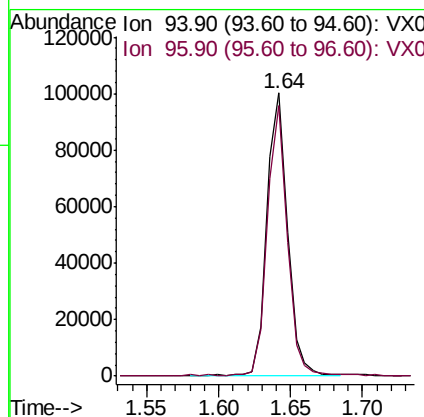
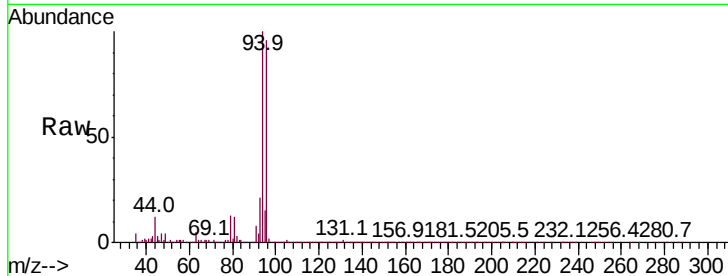
96 95.4 74.5 111.7

Manual Integrations

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#6

Chloroethane

Concen: 20.204 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.00 min

Lab File: VX006293.D

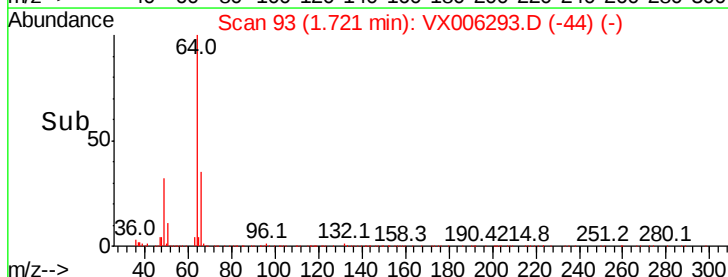
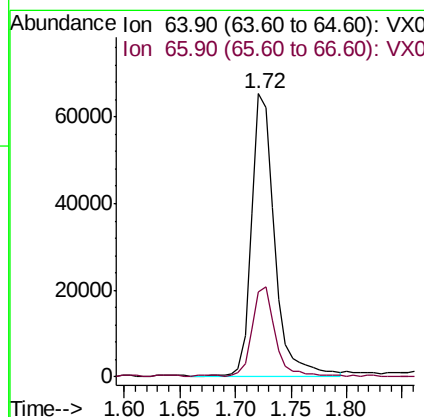
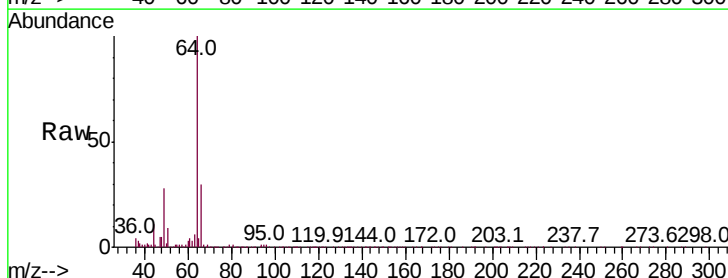
Acq: 05 Dec 2018 11:58

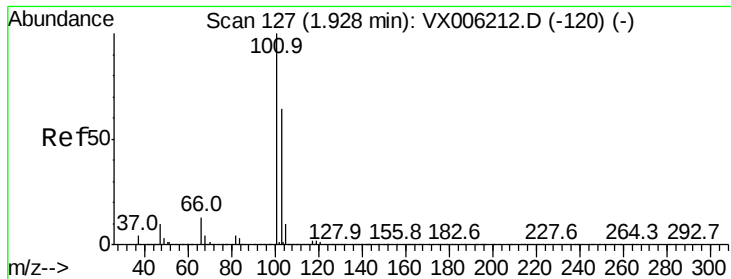
Tgt Ion: 64 Resp: 94118

Ion Ratio Lower Upper

64 100

66 29.9 25.9 38.9





#7

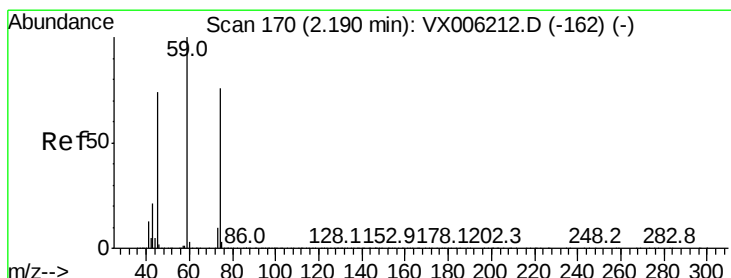
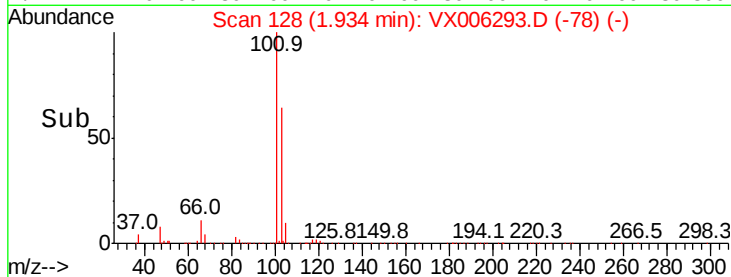
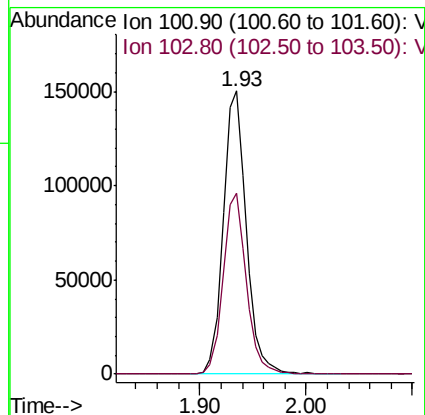
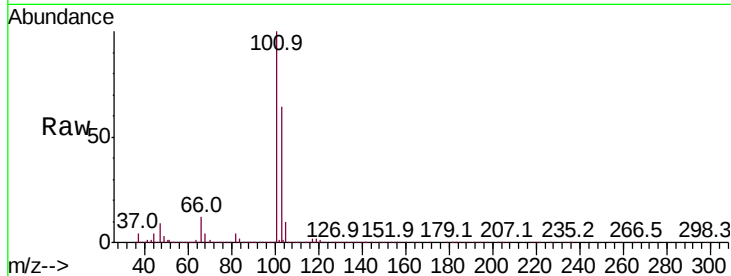
Trichlorofluoromethane
Concen: 19.443 ug/l
RT: 1.93 min Scan# 128
Delta R.T. 0.01 min
Lab File: VX006293.D
Acq: 05 Dec 2018 11:58

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VX1205MBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	226754		
103	64.0	51.0	76.4	

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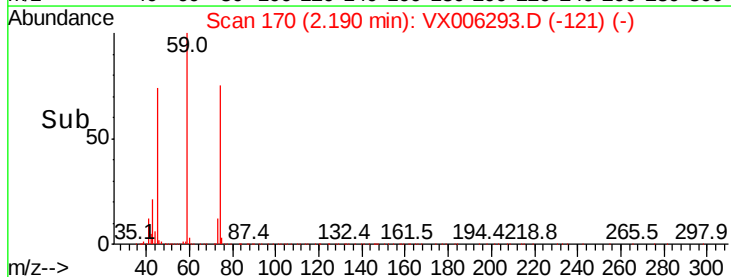
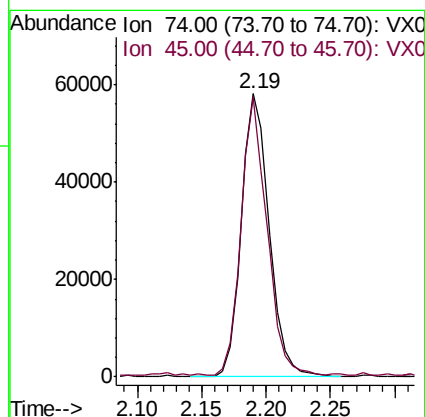
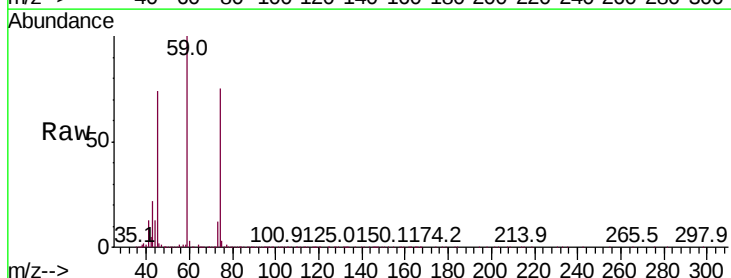
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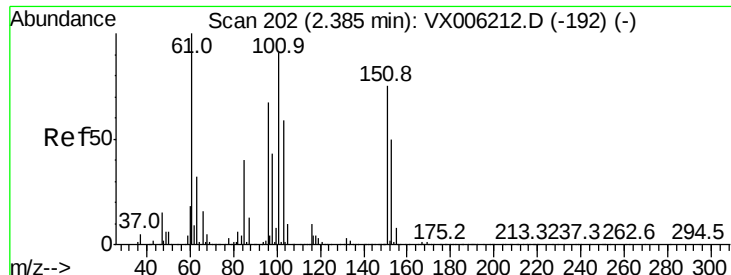


#8

Diethyl Ether
Concen: 19.627 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX006293.D
Acq: 05 Dec 2018 11:58

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	86627		
45	91.9	49.5	148.7	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.680 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX006293.D

Acq: 05 Dec 2018 11:58

Instrument :

MSVOA_X

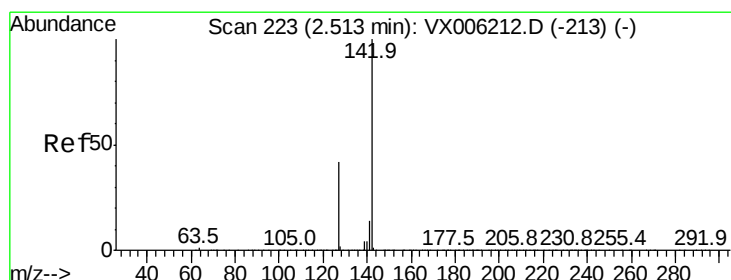
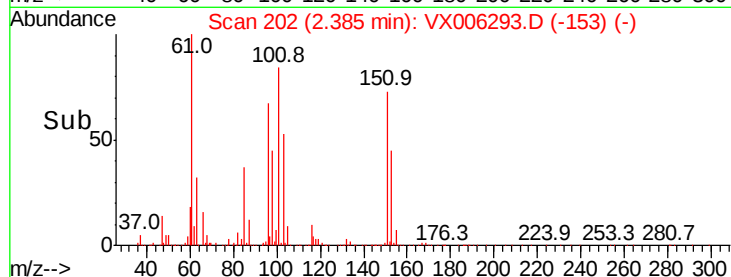
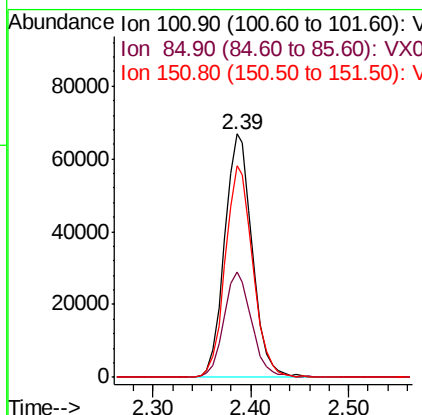
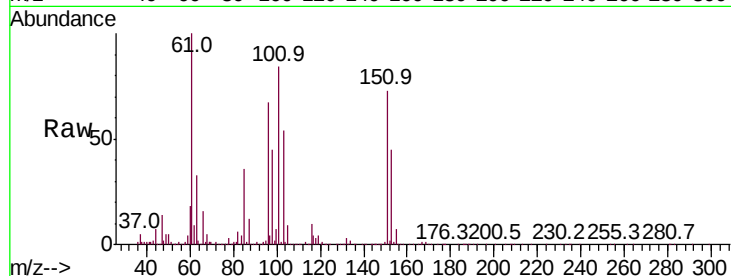
ClientSampleId :

VX1205MBS01

Tot Ion:	101	Resp:	130505
Ion Ratio	Lower	Upper	
101	100		
85	42.9	35.5	53.3
151	86.8	68.6	103.0

Manual Integrations
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#10

Methyl Iodide

Concen: 14.937 ug/l

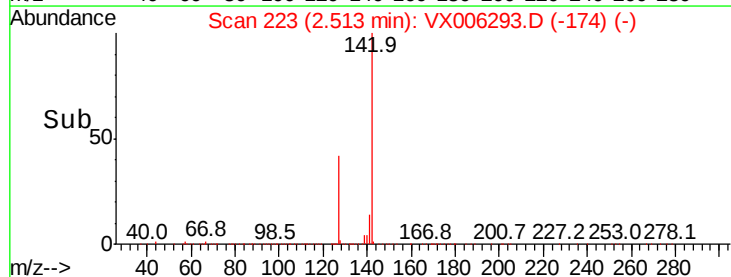
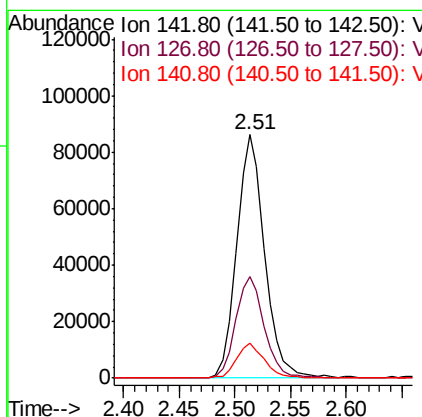
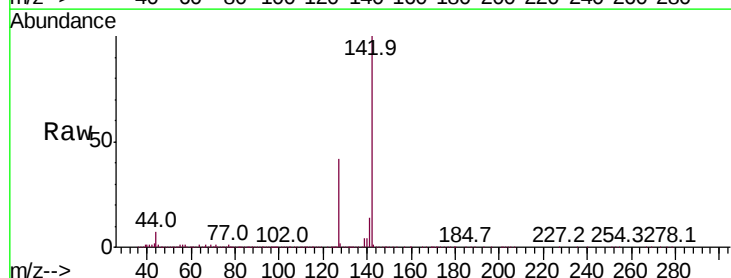
RT: 2.51 min Scan# 223

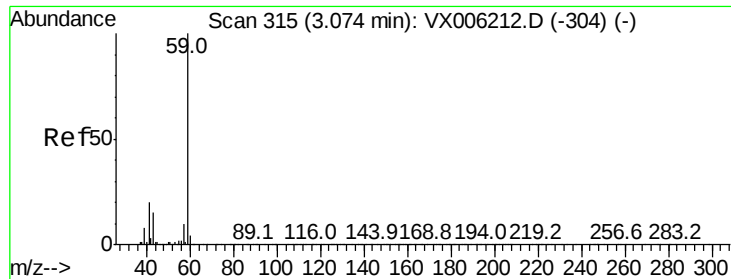
Delta R.T. 0.00 min

Lab File: VX006293.D

Acq: 05 Dec 2018 11:58

Tgt Ion:	142	Resp:	149280
Ion Ratio	Lower	Upper	
142	100		
127	42.9	34.8	52.2
141	14.4	11.4	17.2





#11

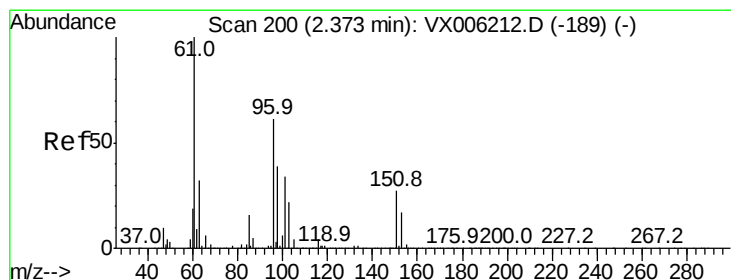
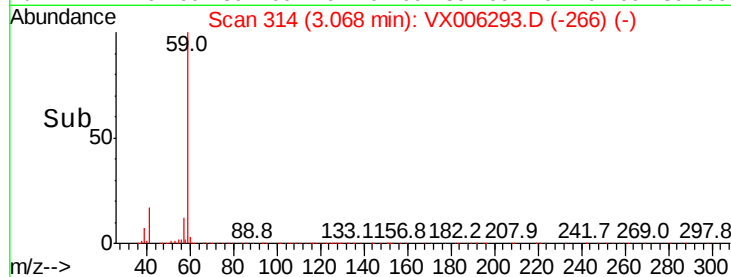
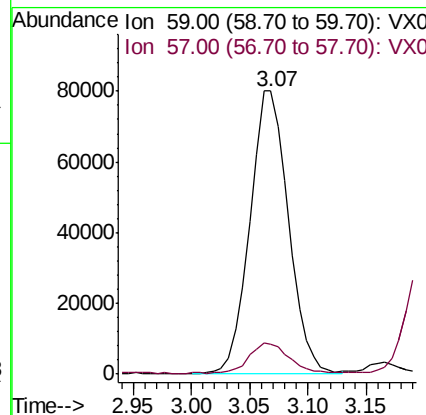
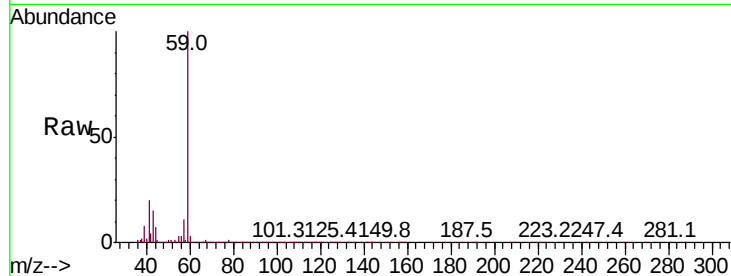
Tert butyl alcohol
Concen: 93.913 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX006293.D
Acq: 05 Dec 2018 11:58

Instrument :
MSVOA_X
ClientSampleId :
VX1205MBS01

Tot Ion	59	57	Ratio	100	10.8	Resp	Lower	Upper
183940								
							8.2	12.2

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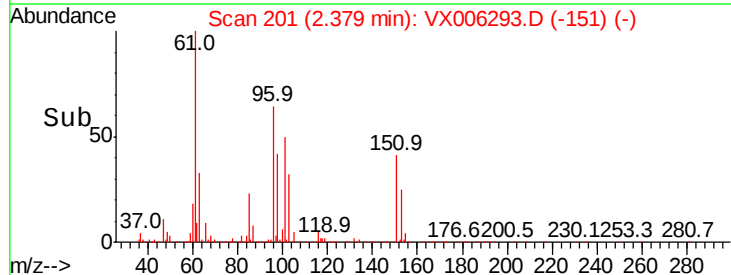
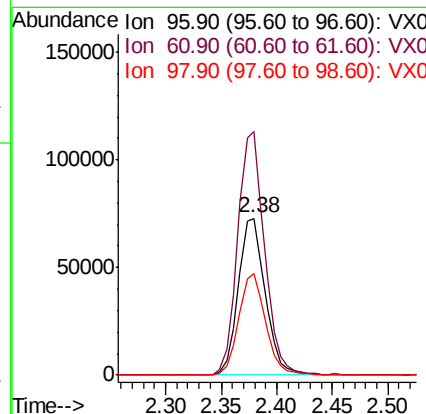
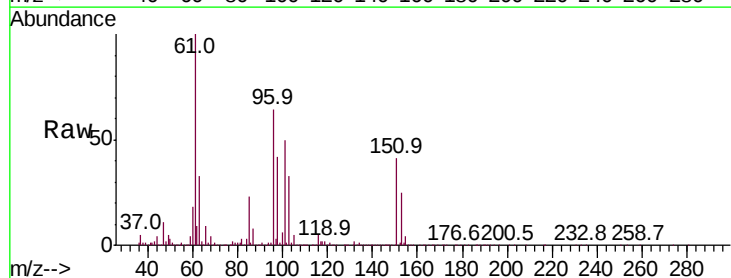
MMDadoda
12/7/2018 10:41:56 AM

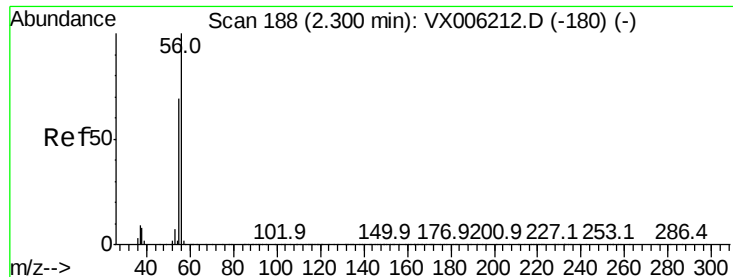


#12

1,1-Dichloroethene
Concen: 19.054 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.01 min
Lab File: VX006293.D
Acq: 05 Dec 2018 11:58

Tgt Ion	96	61	98	Ratio	100	155.8	64.9	Resp	Lower	Upper
120957										
									131.7	197.5
									51.8	77.6





#13

Acrolein

Concen: 95.327 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.01 min

Lab File: VX006293.D

Acq: 05 Dec 2018 11:58

Instrument :

MSVOA_X

ClientSampleId :

VX1205MBS01

Tot Ion: 56 Resp: 102048

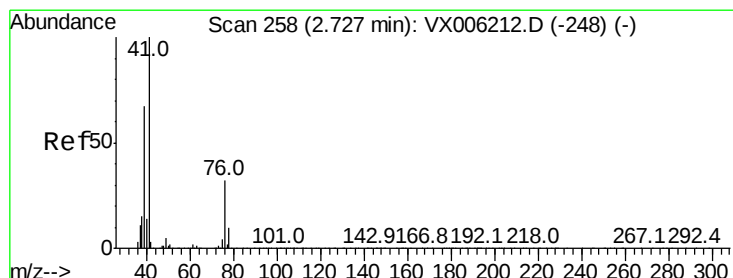
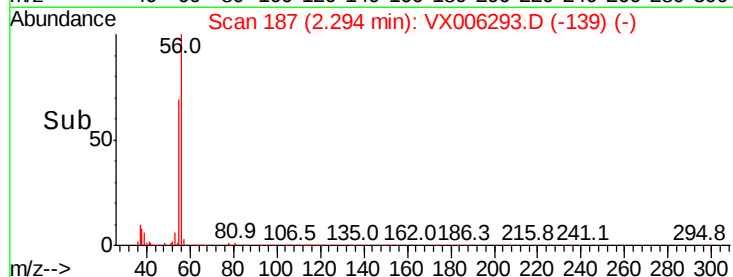
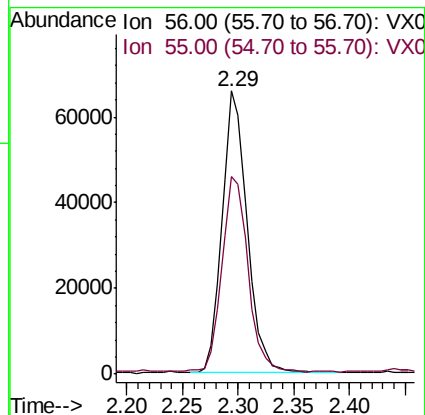
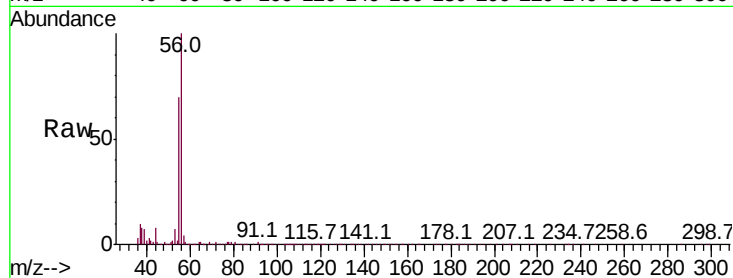
Ion Ratio Lower Upper

56 100

55 72.2 57.8 86.6

Manual Integrations
APPROVED

MMDadoda
12/7/2018 10:41:56 AM



#14

Allyl chloride

Concen: 18.270 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX006293.D

Acq: 05 Dec 2018 11:58

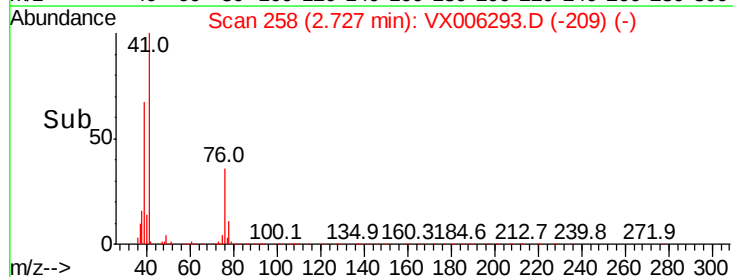
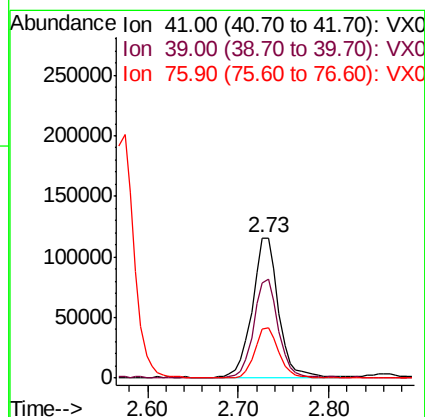
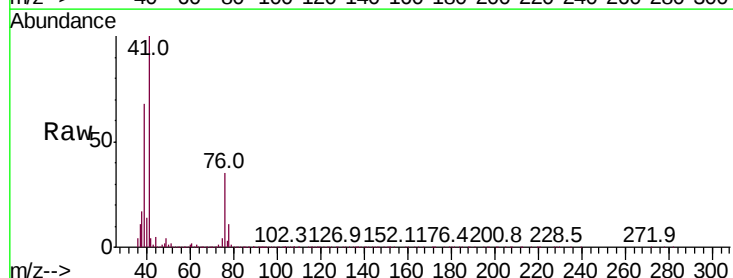
Tgt Ion: 41 Resp: 229116

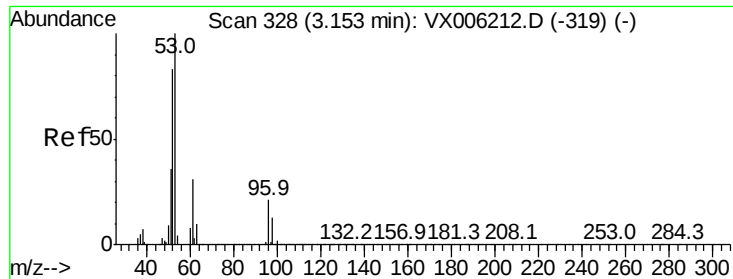
Ion Ratio Lower Upper

41 100

39 65.6 52.4 78.6

76 33.3 25.4 38.0





#15

Acrylonitrile

Concen: 95.153 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX006293.D

Acq: 05 Dec 2018 11:58

Instrument :

MSVOA_X

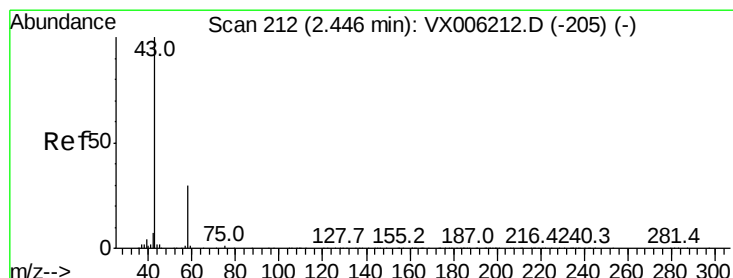
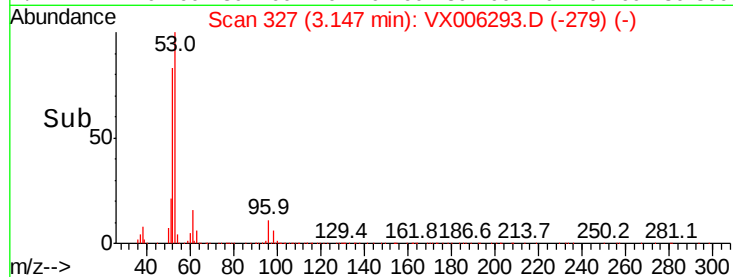
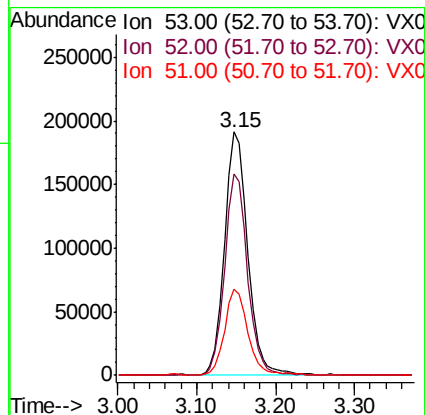
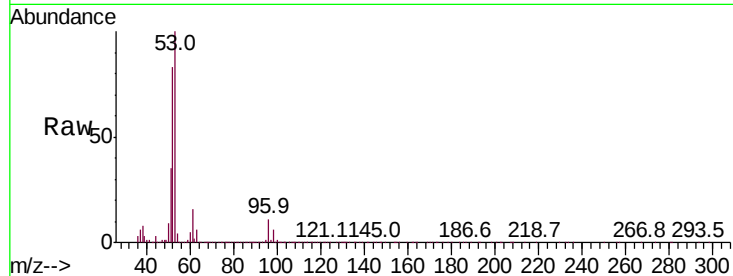
ClientSampleId :

VX1205MBS01

Tot Ion:	53	Resp:	388905
Ion Ratio		Lower	Upper
53	100		
52	81.9	66.2	99.4
51	35.5	28.7	43.1

Manual Integrations
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12/7/2018 10:41:56 AM



#16

Acetone

Concen: 93.987 ug/l

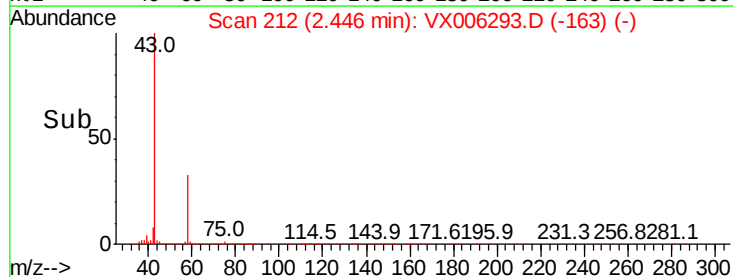
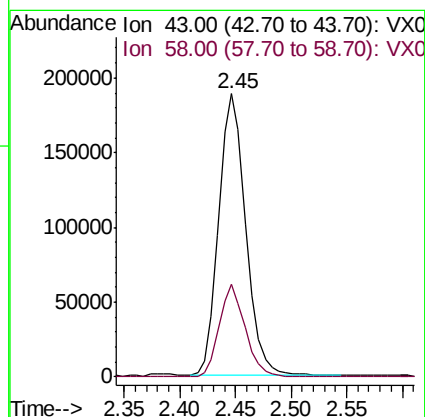
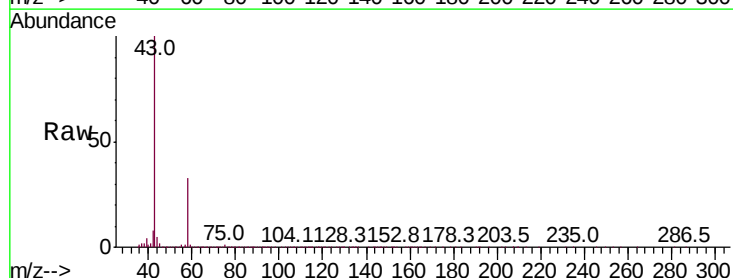
RT: 2.45 min Scan# 212

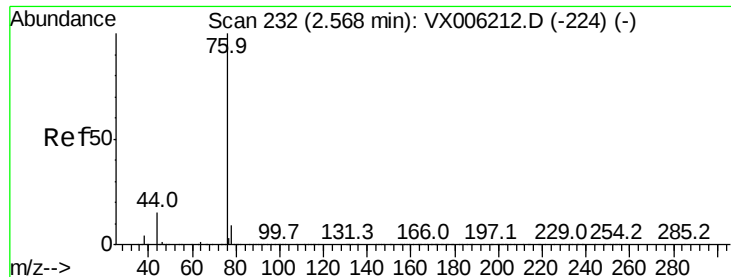
Delta R.T. 0.00 min

Lab File: VX006293.D

Acq: 05 Dec 2018 11:58

Tgt Ion:	43	Resp:	315892
Ion Ratio		Lower	Upper
43	100		
58	32.6	24.0	36.0





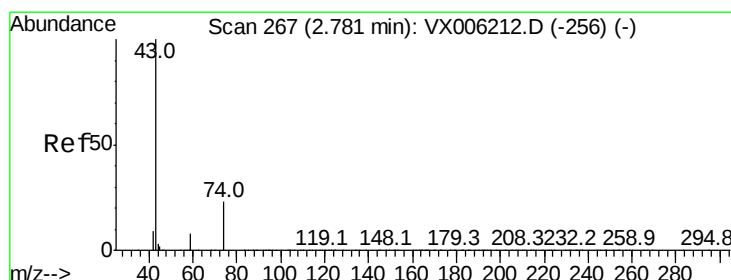
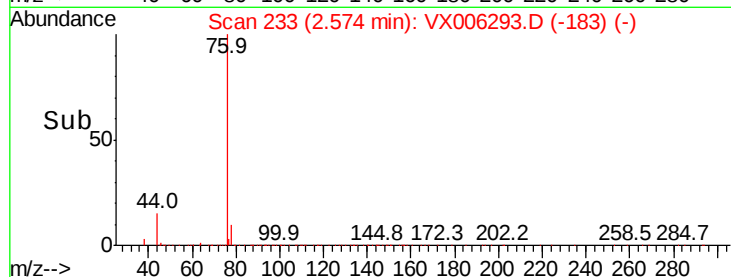
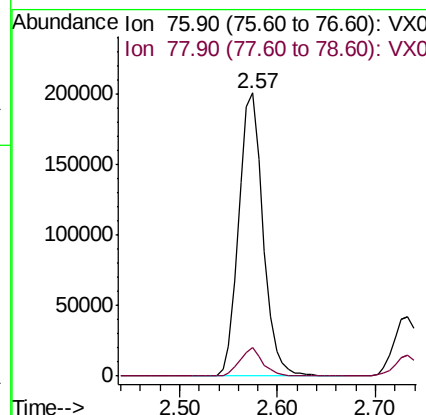
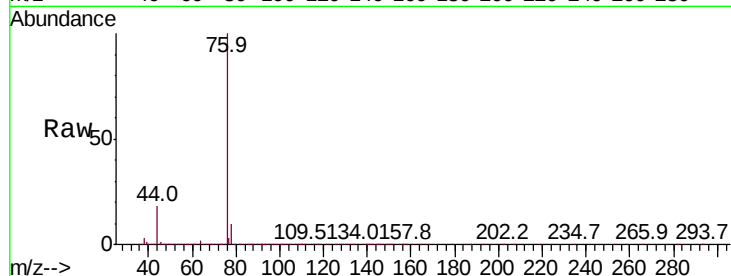
#17
Carbon Disulfide
Concen: 17.738 ug/l
RT: 2.57 min Scan# 233
Delta R.T. 0.01 min
Lab File: VX006293.D
Acq: 05 Dec 2018 11:58

Instrument :
MSVOA_X
ClientSampleId :
VX1205MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.8	7.1	10.7

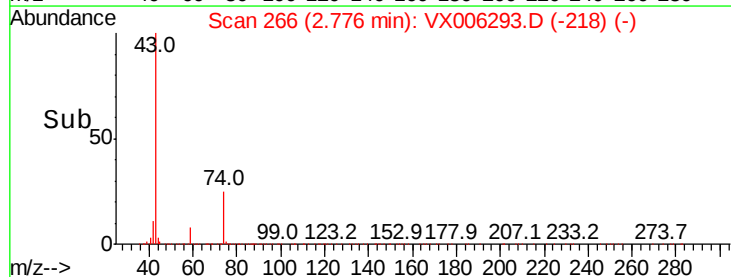
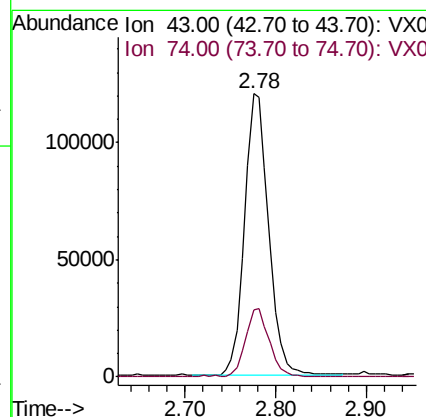
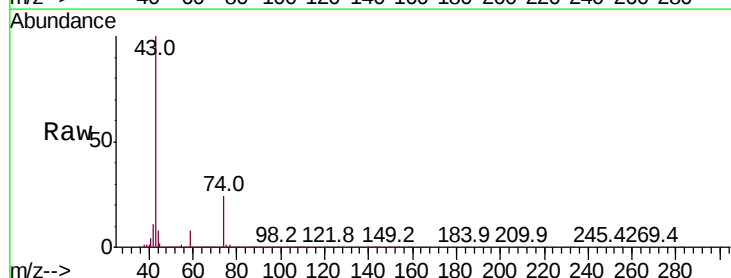
Manual Integrations
APPROVED

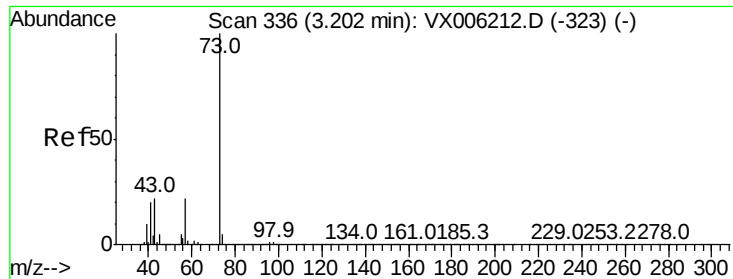
MMDadoda
12/7/2018 10:41:56 AM



#18
Methyl Acetate
Concen: 19.776 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX006293.D
Acq: 05 Dec 2018 11:58

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.0	17.9	26.9





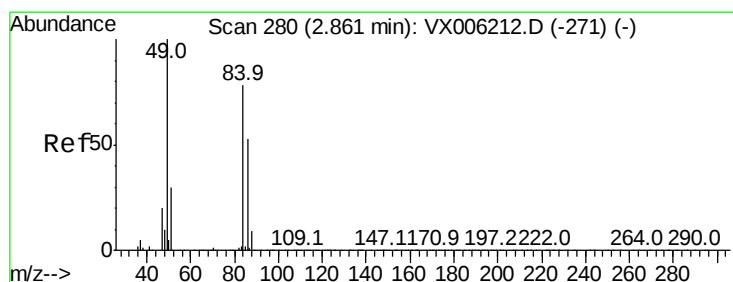
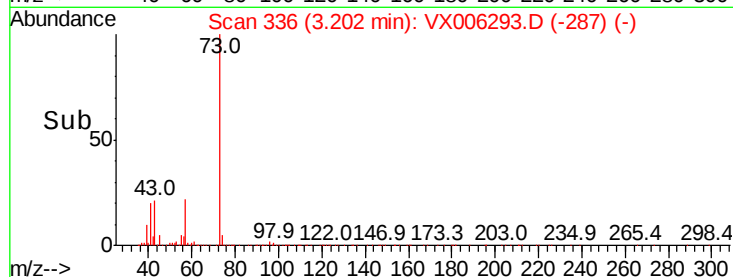
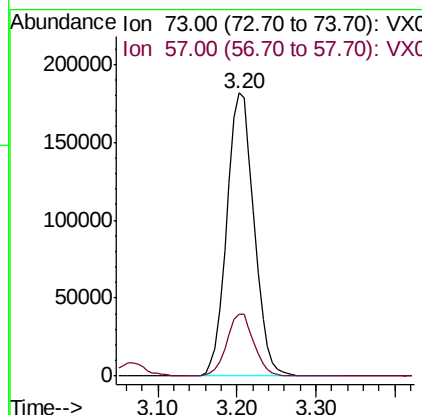
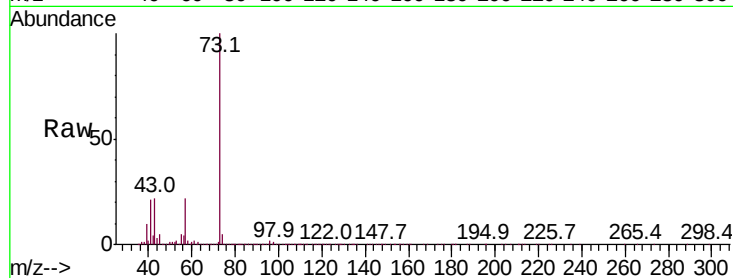
#19
Methyl tert-butyl Ether
Concen: 19.279 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX006293.D
Acq: 05 Dec 2018 11:58

Instrument :
MSVOA_X
ClientSampleId :
VX1205MBS01

Tot Ion: 73 Resp: 436602
Ion Ratio Lower Upper
73 100
57 21.9 17.5 26.3

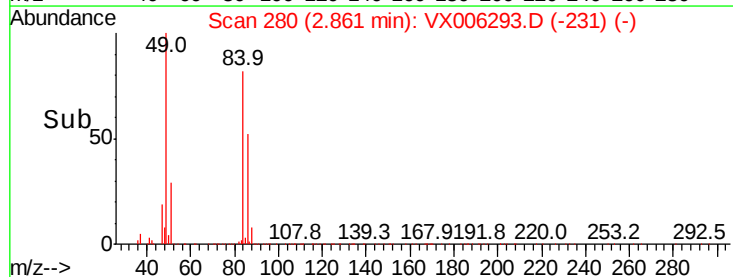
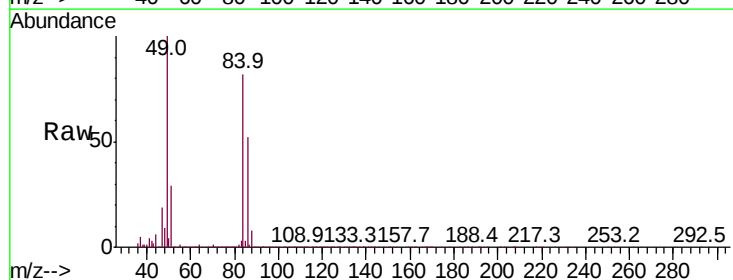
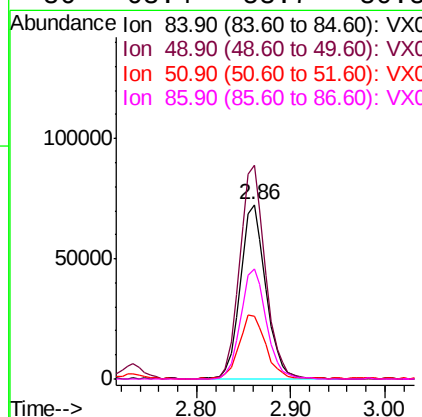
Manual Integrations
APPROVED

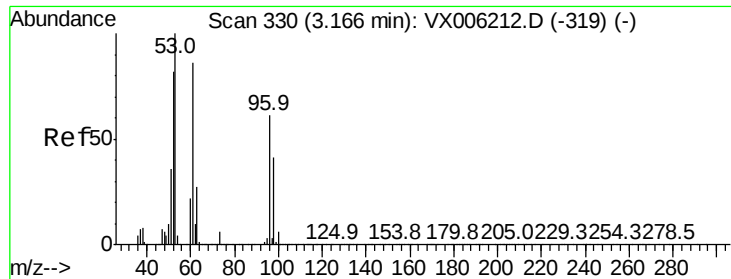
MMDadoda
12/7/2018 10:41:56 AM



#20
Methylene Chloride
Concen: 18.926 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX006293.D
Acq: 05 Dec 2018 11:58

Tgt Ion: 84 Resp: 135380
Ion Ratio Lower Upper
84 100
49 122.3 102.2 153.4
51 35.3 31.1 46.7
86 63.4 53.7 80.5





#21

trans-1,2-Dichloroethene

Concen: 19.193 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX006293.D

Acq: 05 Dec 2018 11:58

Instrument :

MSVOA_X

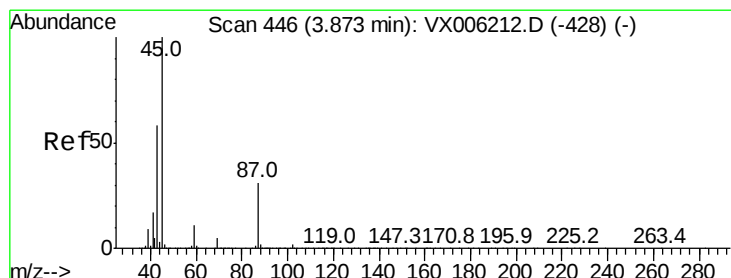
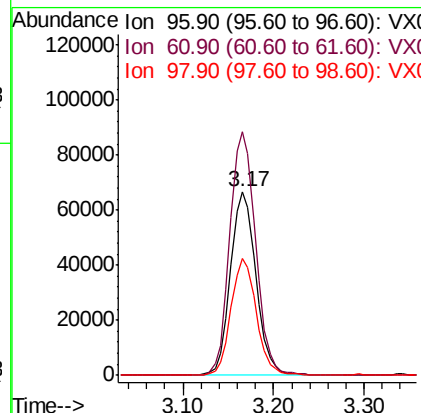
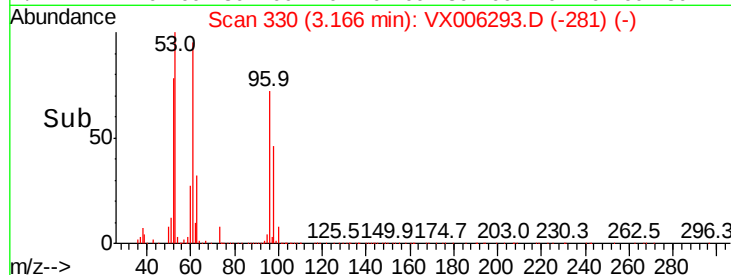
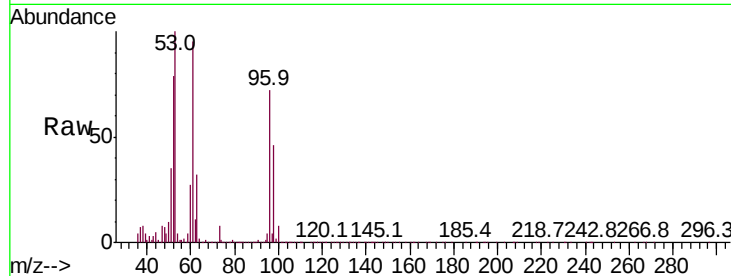
ClientSampleId :

VX1205MBS01

Tot Ion:	96	Resp:	129842
Ion Ratio	Lower	Upper	
96	100		
61	132.6	113.3	169.9
98	63.9	53.2	79.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.972 ug/l

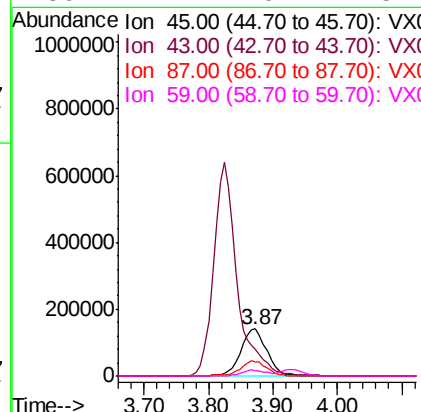
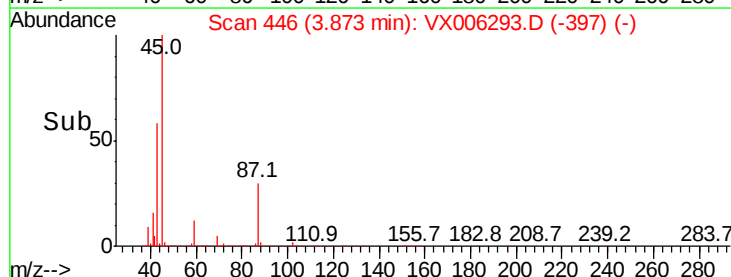
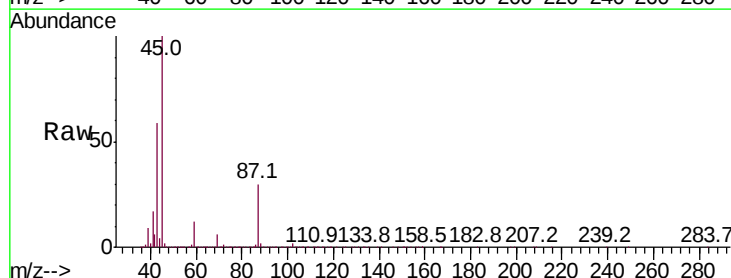
RT: 3.87 min Scan# 446

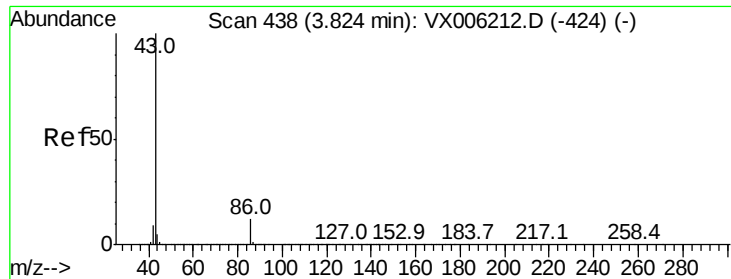
Delta R.T. 0.00 min

Lab File: VX006293.D

Acq: 05 Dec 2018 11:58

Tgt Ion:	45	Resp:	391193
Ion Ratio	Lower	Upper	
45	100		
43	58.3	46.2	69.2
87	30.2	24.9	37.3
59	11.7	9.1	13.7





#23

Vinyl Acetate

Concen: 97.947 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX006293.D

Acq: 05 Dec 2018 11:58

Instrument :

MSVOA_X

ClientSampleId :

VX1205MBS01

Tot Ion: 43 Resp: 1636339

Ion Ratio Lower Upper

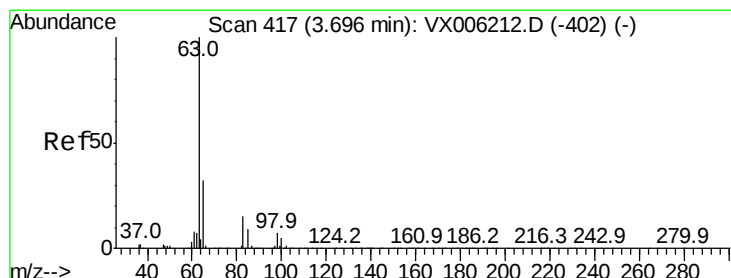
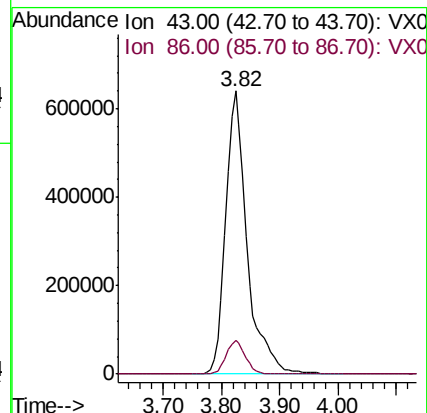
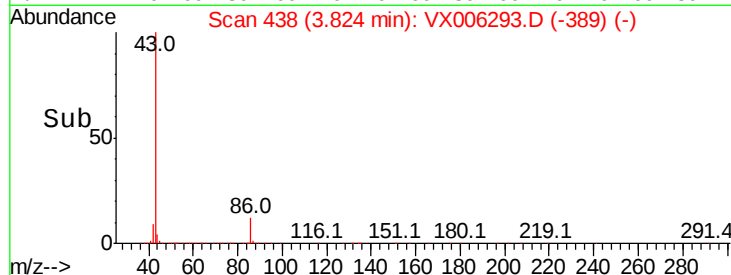
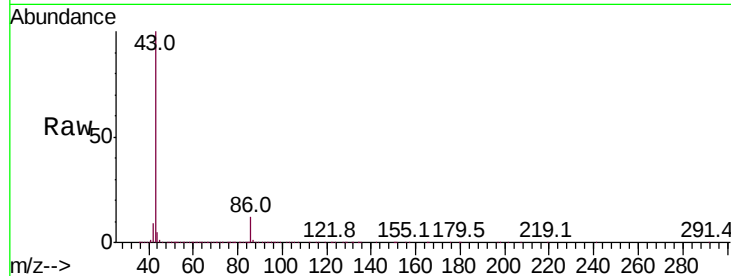
43 100

86 11.8 9.4 14.0

Manual Integrations
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MMDadoda

12/7/2018 10:41:56 AM



#24

1,1-Dichloroethane

Concen: 20.497 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX006293.D

Acq: 05 Dec 2018 11:58

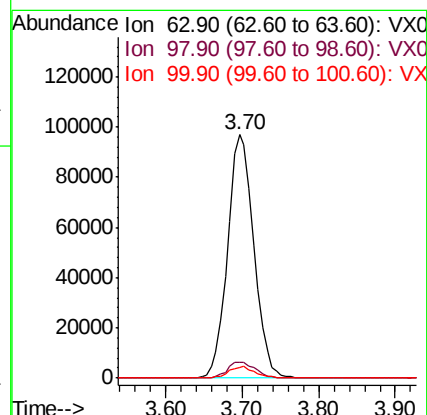
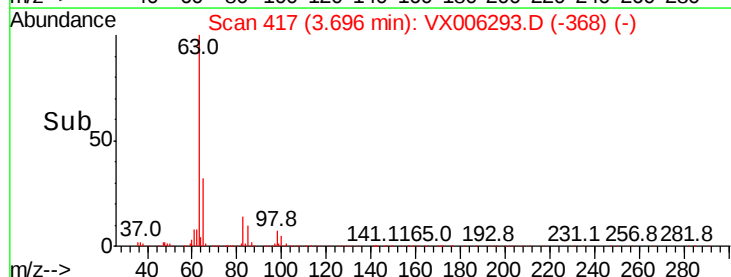
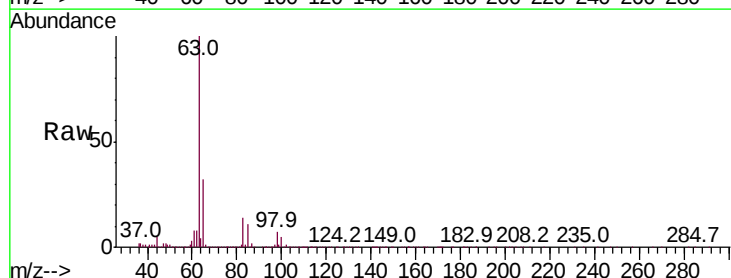
Tgt Ion: 63 Resp: 229482

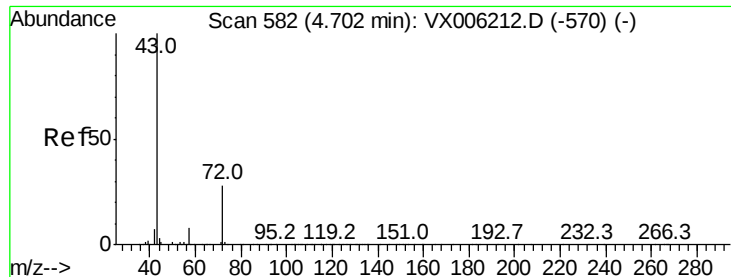
Ion Ratio Lower Upper

63 100

98 6.7 3.8 11.4

100 4.5 2.5 7.4





#25

2-Butanone

Concen: 98.448 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX006293.D

Acq: 05 Dec 2018 11:58

Instrument :

MSVOA_X

ClientSampleId :

VX1205MBS01

Tot Ion: 43 Resp: 472128

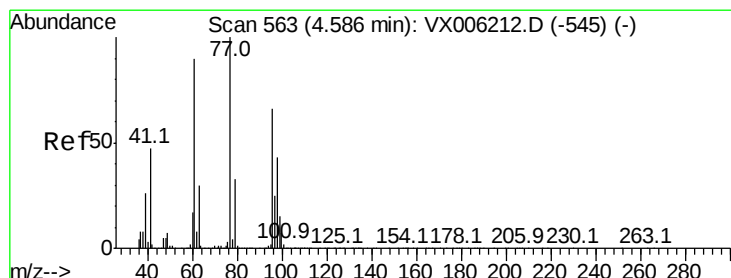
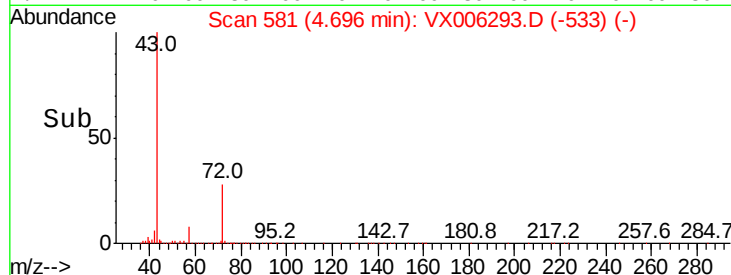
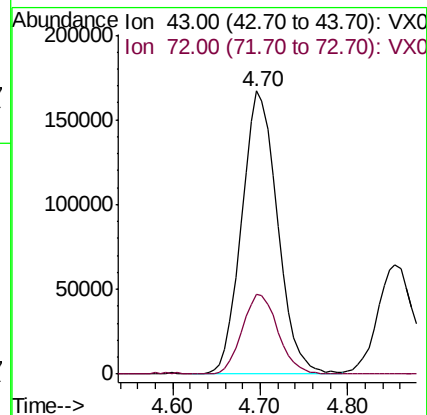
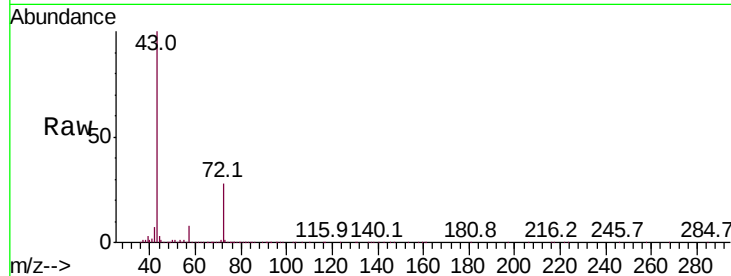
Ion Ratio Lower Upper

43 100

72 27.9 22.6 33.8

Manual Integrations
APPROVED

MMDadoda
12/7/2018 10:41:56 AM



#26

2,2-Dichloropropane

Concen: 20.097 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX006293.D

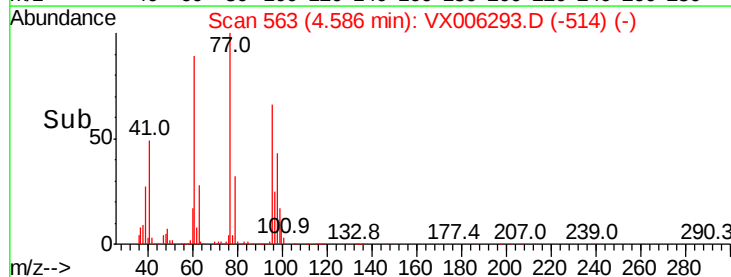
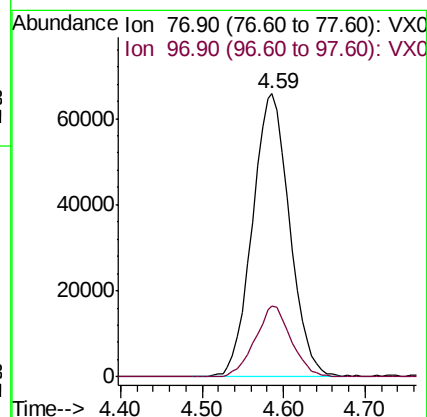
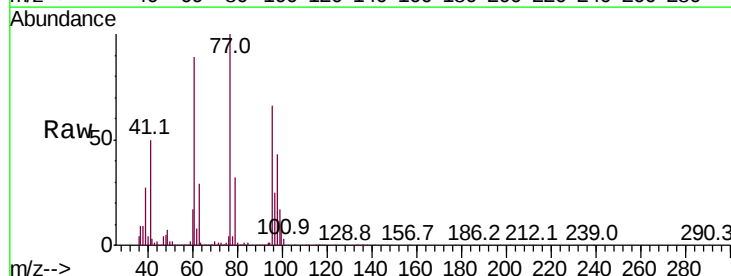
Acq: 05 Dec 2018 11:58

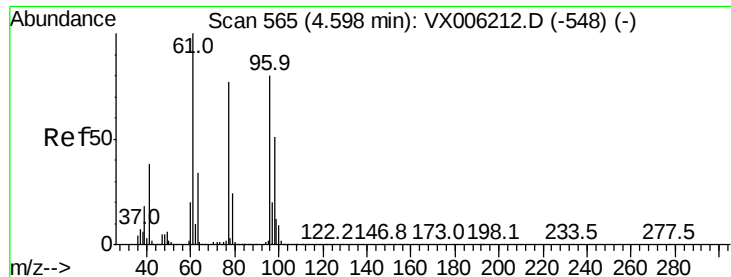
Tgt Ion: 77 Resp: 207644

Ion Ratio Lower Upper

77 100

97 24.6 12.3 36.8





#27

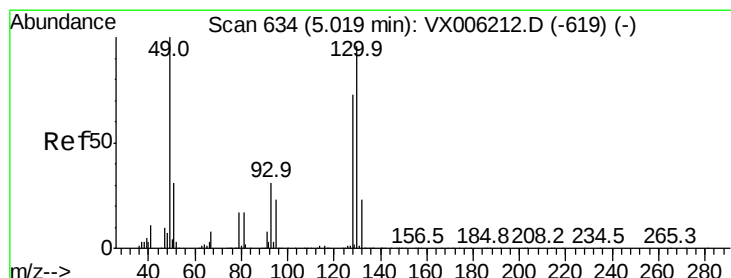
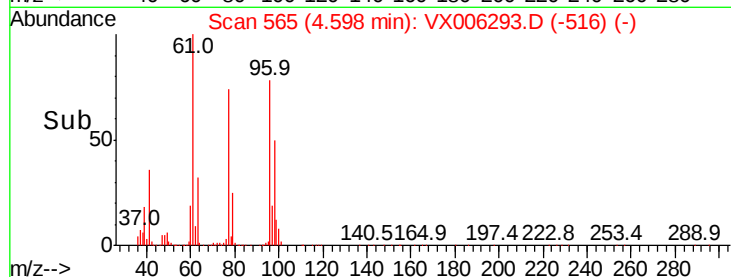
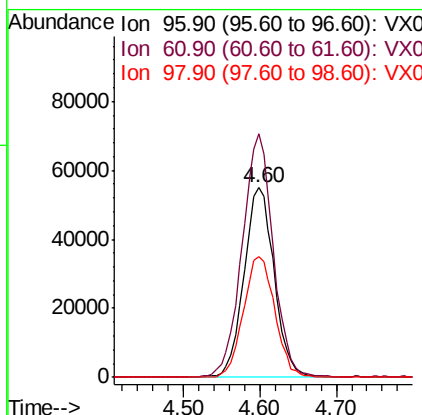
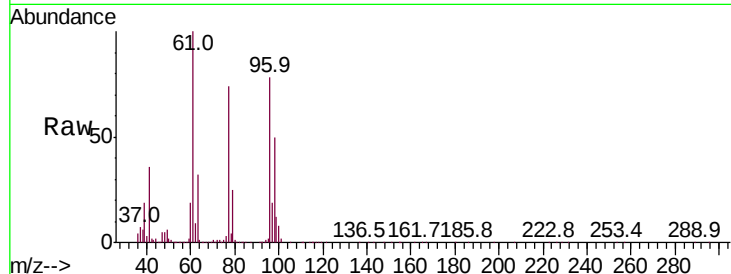
cis-1,2-Dichloroethene
Concen: 20.047 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX006293.D
Acq: 05 Dec 2018 11:58

Instrument :
MSVOA_X
ClientSampleId :
VX1205MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.9	0.0	265.0
98	66.3	0.0	130.2

Manual Integrations
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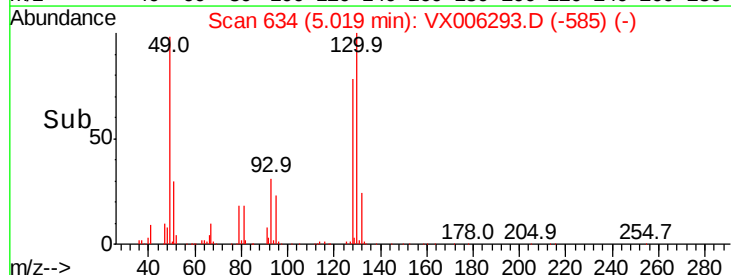
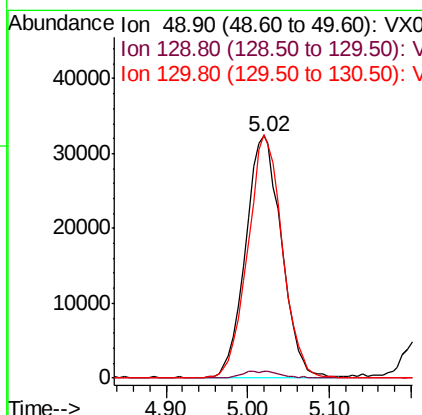
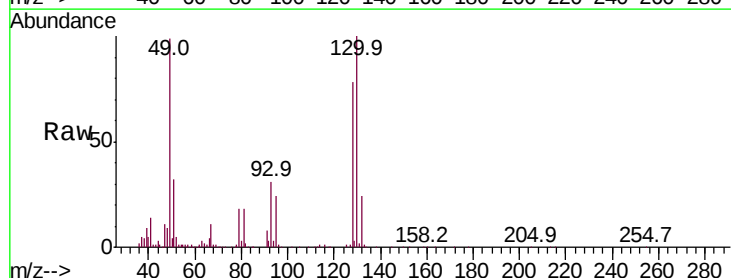
MMDadoda
12/7/2018 10:41:56 AM

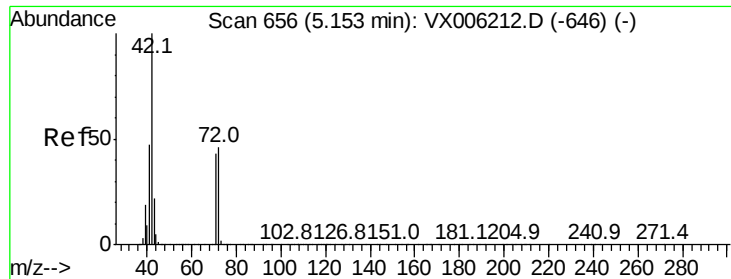


#28

Bromochloromethane
Concen: 20.251 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX006293.D
Acq: 05 Dec 2018 11:58

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	5.0
130	97.1	78.3	117.5





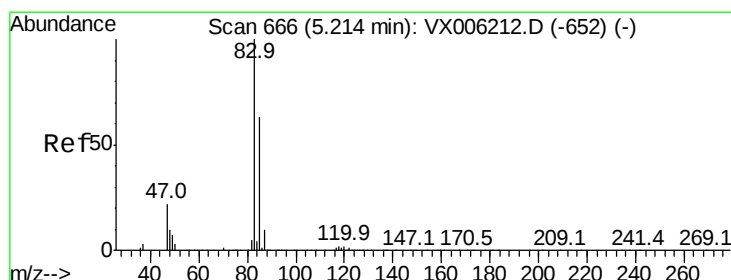
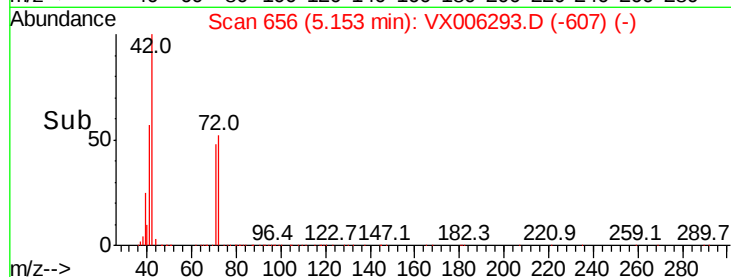
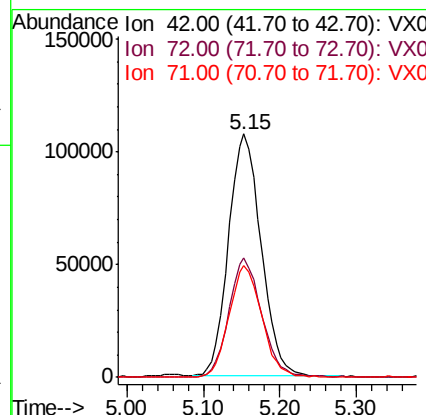
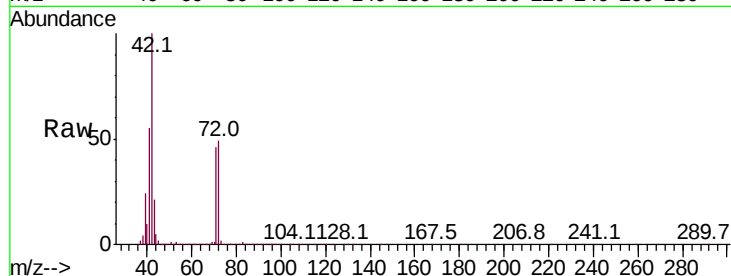
#29
Tetrahydrofuran
Concen: 95.131 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.00 min
Lab File: VX006293.D
Acq: 05 Dec 2018 11:58

Instrument :
MSVOA_X
ClientSampleId :
VX1205MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.7	37.8	56.8
71	46.1	35.2	52.8

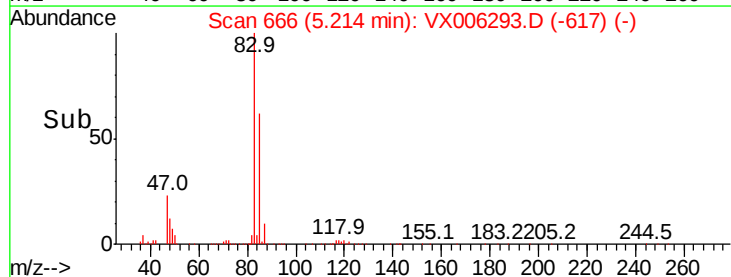
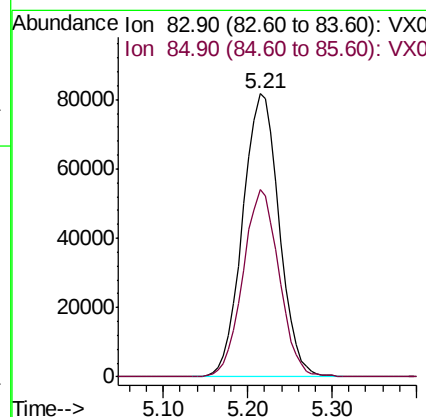
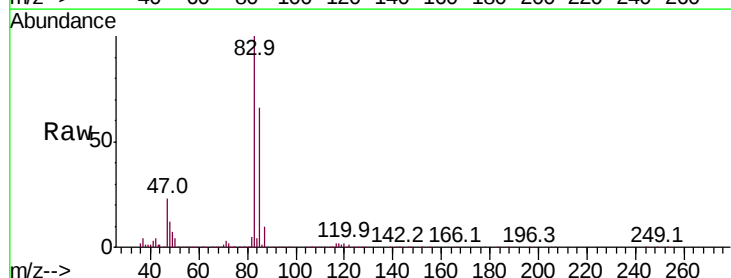
Manual Integrations
APPROVED

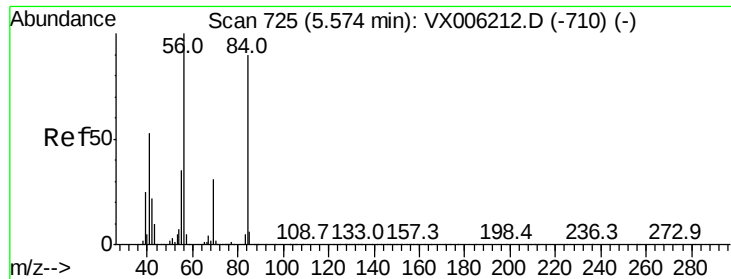
MMDadoda
12/7/2018 10:41:56 AM



#30
Chloroform
Concen: 20.258 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX006293.D
Acq: 05 Dec 2018 11:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	50.3	75.5





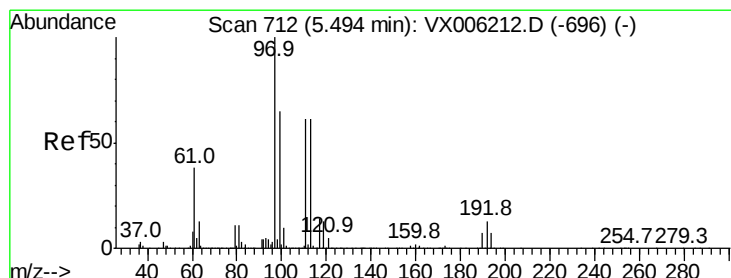
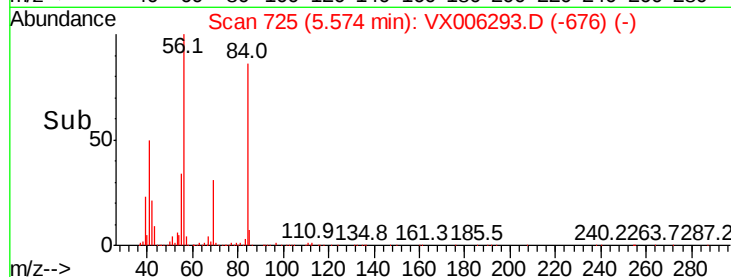
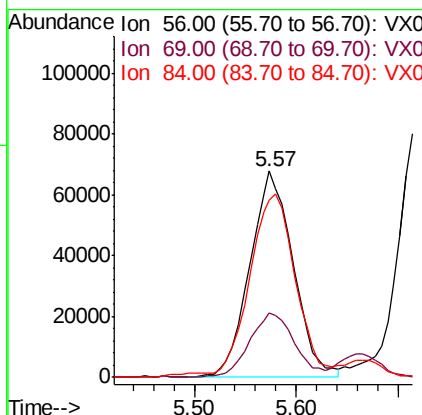
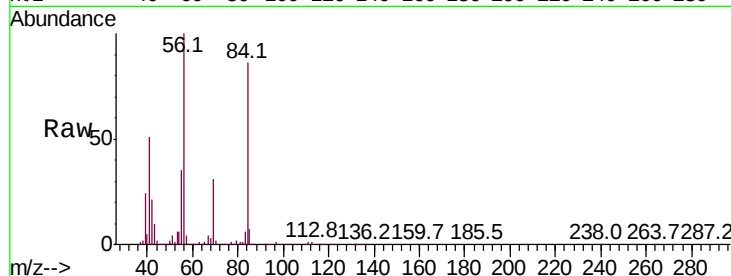
#31
Cvclohexane
Concen: 19.247 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX006293.D
Acq: 05 Dec 2018 11:58

Instrument :
MSVOA_X
ClientSampleId :
VX1205MBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.1	24.5	36.7
84	84.2	71.8	107.6

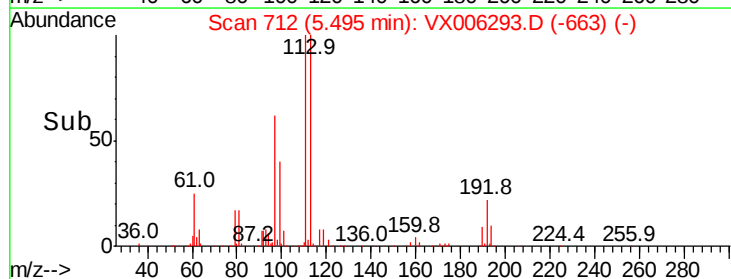
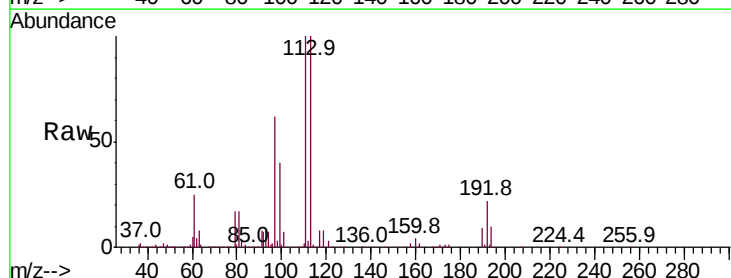
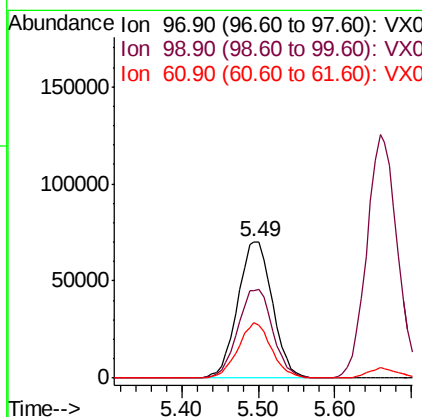
Manual Integrations
APPROVED

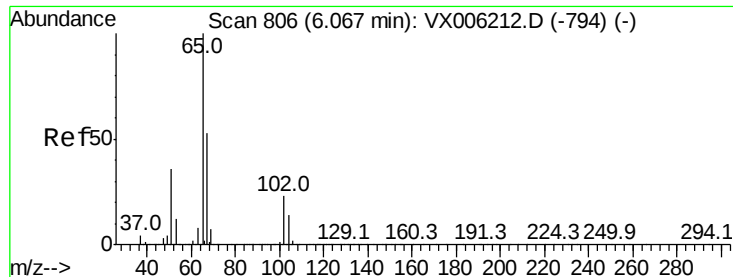
MMDadoda
12/7/2018 10:41:56 AM



#32
1,1,1-Trichloroethane
Concen: 19.689 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX006293.D
Acq: 05 Dec 2018 11:58

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.8	51.6	77.4
61	39.1	30.6	46.0





#33

1,2-Dichloroethane-d4

Concen: 50.772 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX006293.D

Acq: 05 Dec 2018 11:58

Instrument :

MSVOA_X

ClientSampleId :

VX1205MBS01

Tot Ion: 65 Resp: 363624

Ion Ratio Lower Upper

65 100

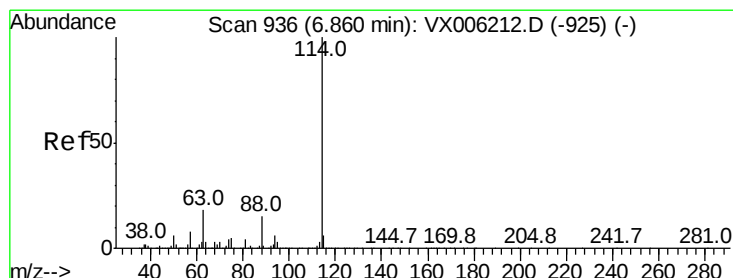
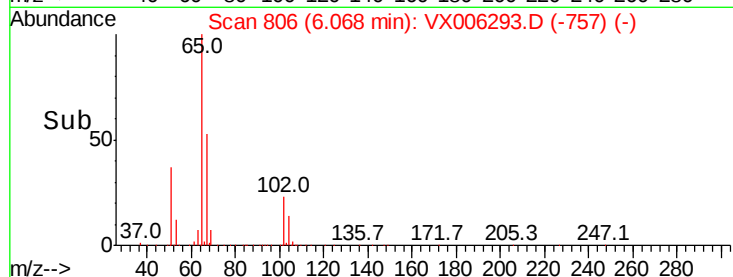
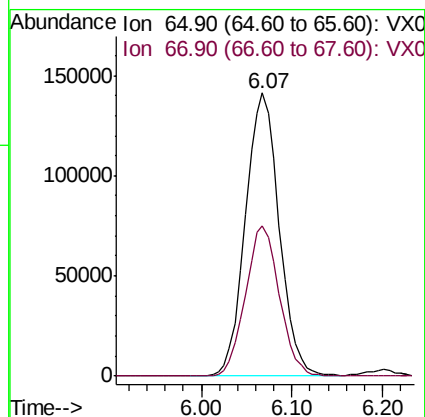
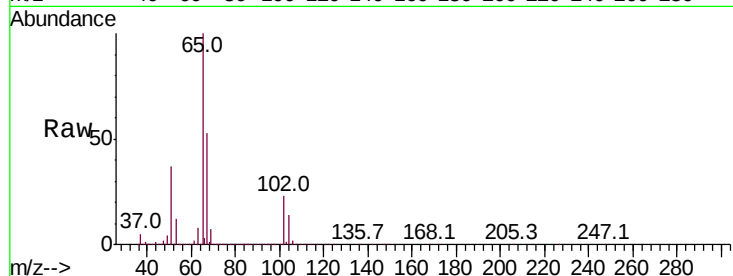
67 53.1 0.0 107.2

Manual Integrations

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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: VX006293.D

Acq: 05 Dec 2018 11:58

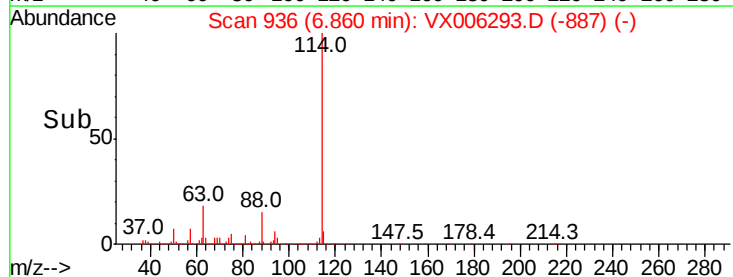
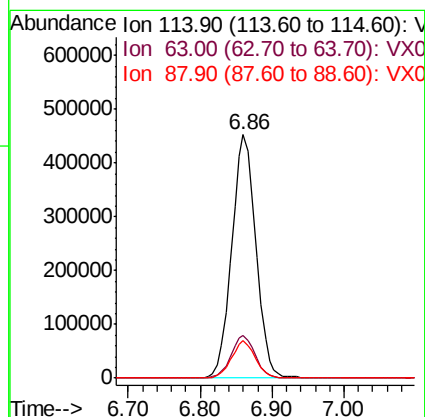
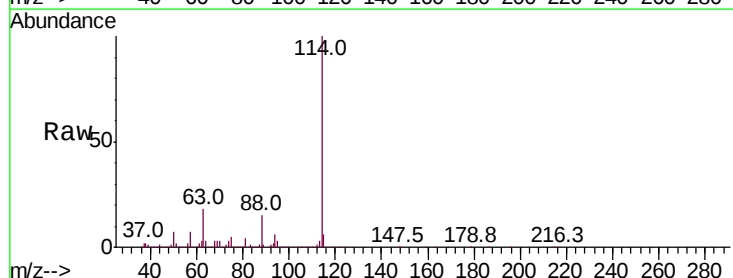
Tgt Ion: 114 Resp: 1056586

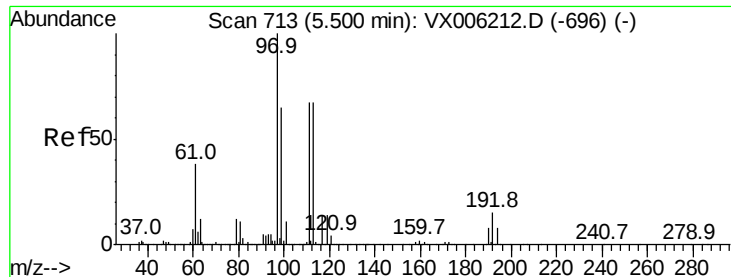
Ion Ratio Lower Upper

114 100

63 17.6 0.0 36.6

88 15.4 0.0 29.0





#35

Dibromofluoromethane

Concen: 50.811 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX006293.D

Acq: 05 Dec 2018 11:58

Instrument :

MSVOA_X

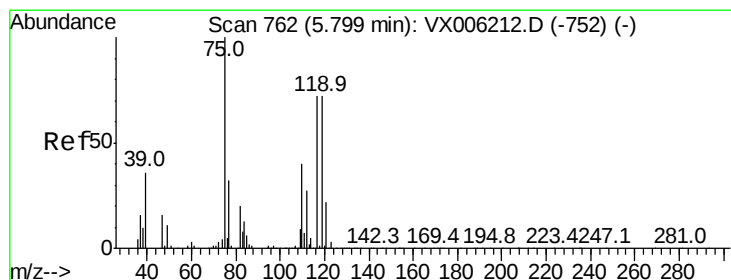
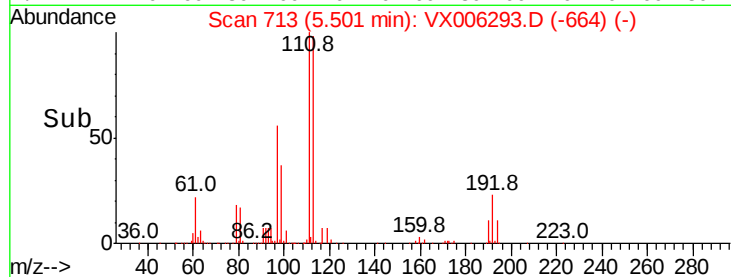
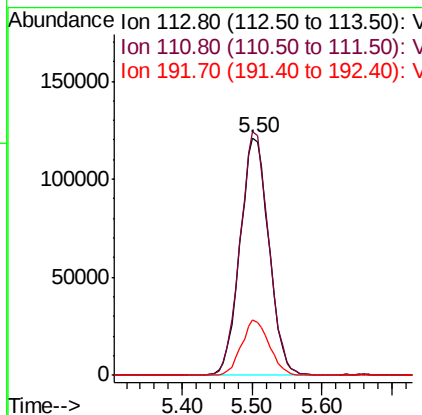
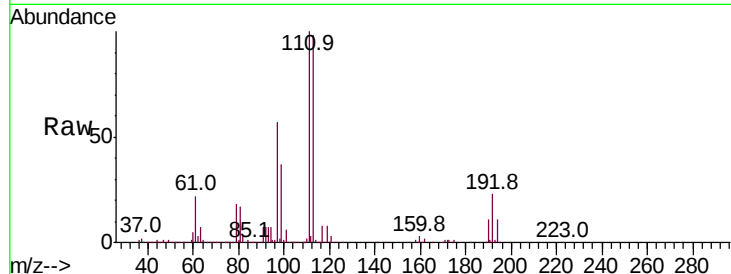
ClientSampleId :

VX1205MBS01

Tot Ion:	113	Resp:	347597
Ion Ratio	Lower	Upper	
113	100		
111	101.1	81.1	121.7
192	22.4	18.2	27.2

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#36

1,1-Dichloropropene

Concen: 19.435 ug/l

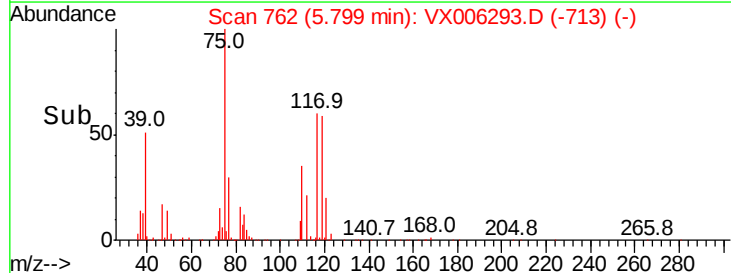
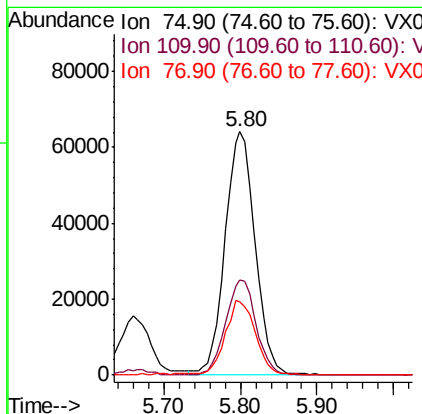
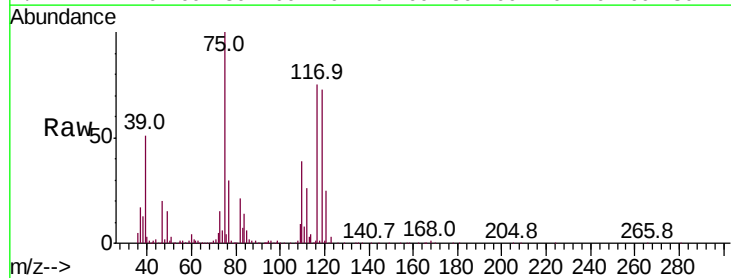
RT: 5.80 min Scan# 762

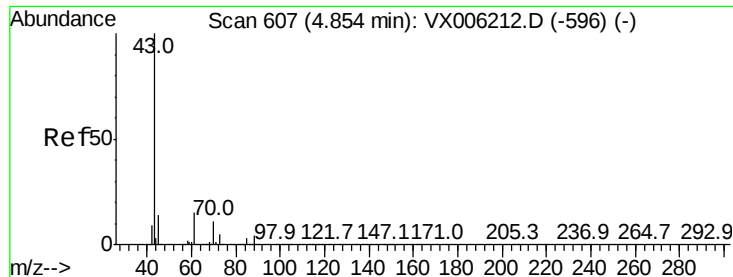
Delta R.T. 0.00 min

Lab File: VX006293.D

Acq: 05 Dec 2018 11:58

Tgt Ion:	75	Resp:	172925
Ion Ratio	Lower	Upper	
75	100		
110	39.7	20.4	61.3
77	30.4	24.9	37.3





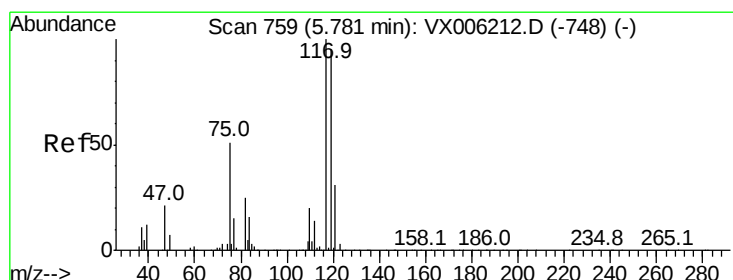
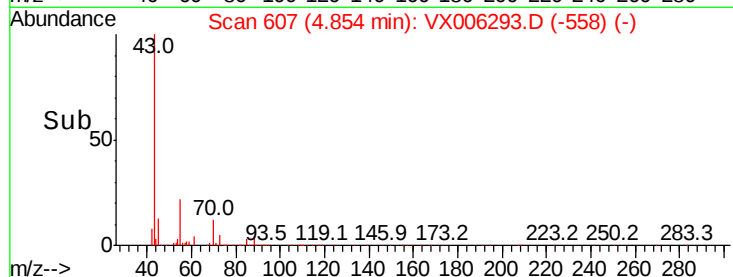
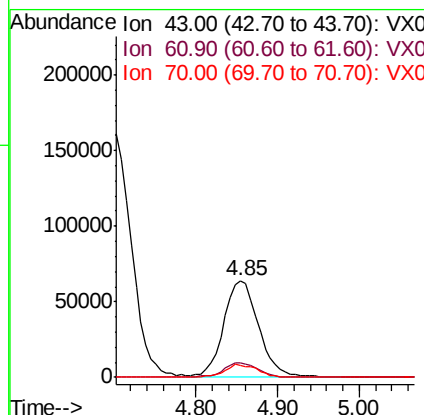
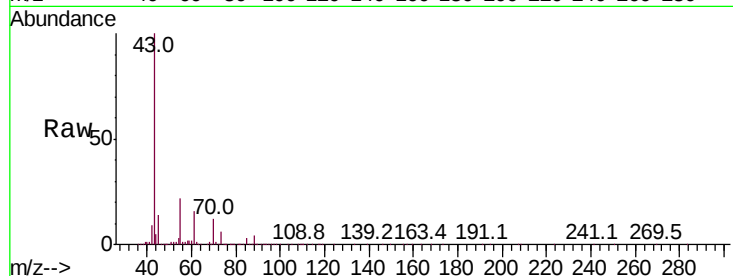
#37
Ethyl Acetate
Concen: 18.750 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX006293.D
Acq: 05 Dec 2018 11:58

Instrument :
MSVOA_X
ClientSampleId :
VX1205MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.5	17.3
70	12.9	9.0	13.6

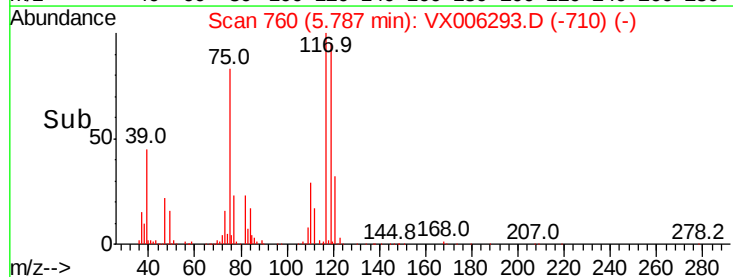
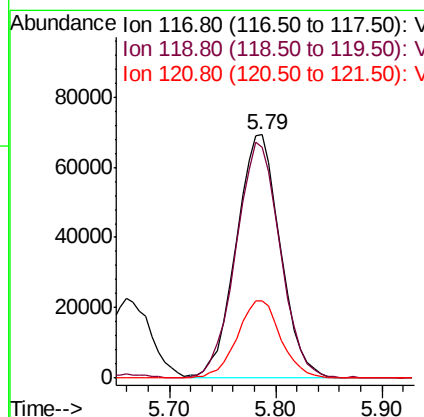
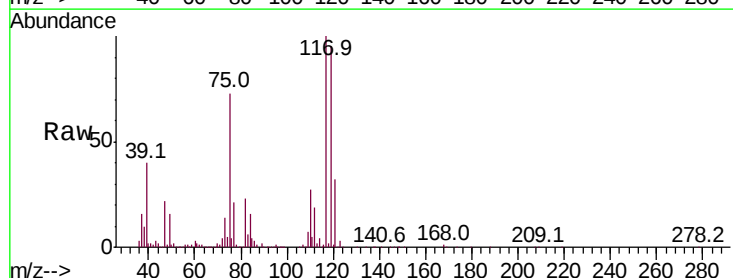
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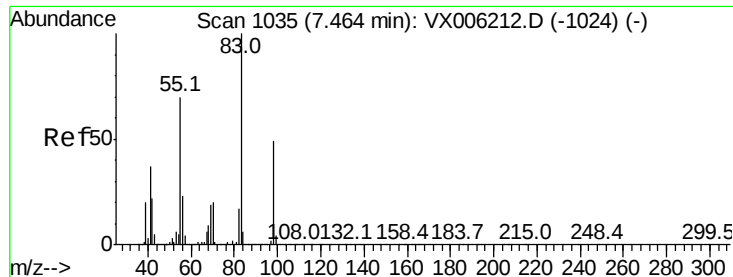
MMDadoda
12/7/2018 10:41:56 AM



#38
Carbon Tetrachloride
Concen: 19.055 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX006293.D
Acq: 05 Dec 2018 11:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.6	75.8	113.8
121	31.4	24.6	37.0





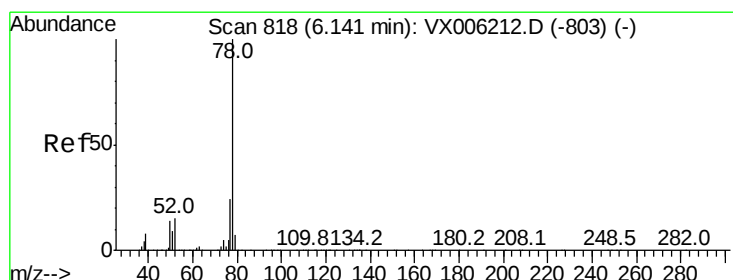
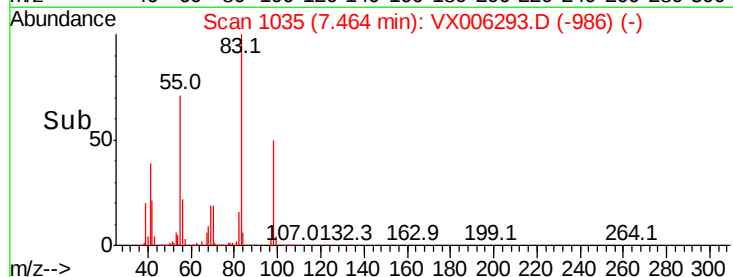
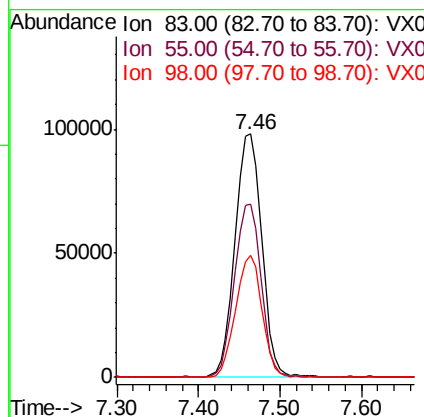
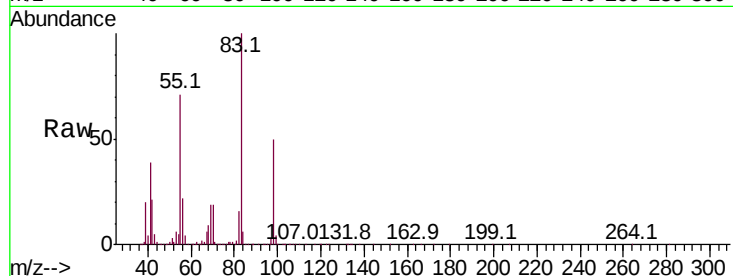
#39
Methylvlcvclohexane
Concen: 19.234 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX006293.D
Acq: 05 Dec 2018 11:58

Instrument :
MSVOA_X
ClientSampleId :
VX1205MBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	222135		
55	70.8		56.4	84.6
98	50.2		39.0	58.6

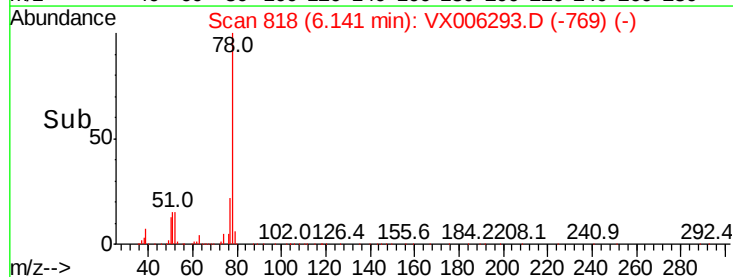
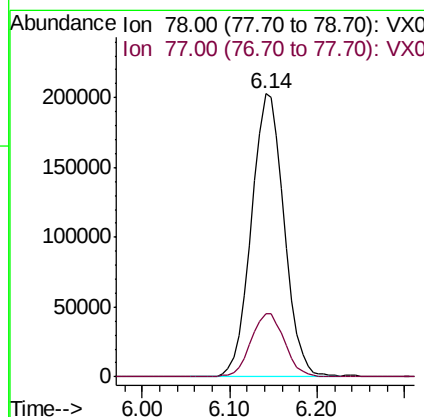
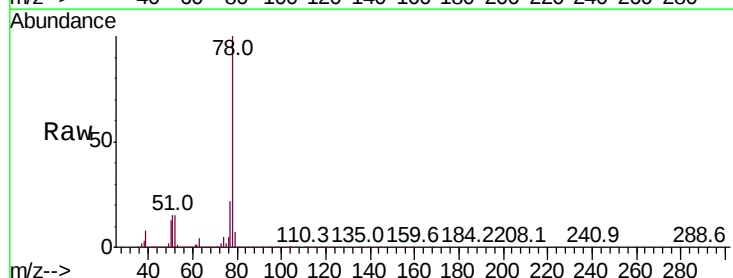
Manual Integrations
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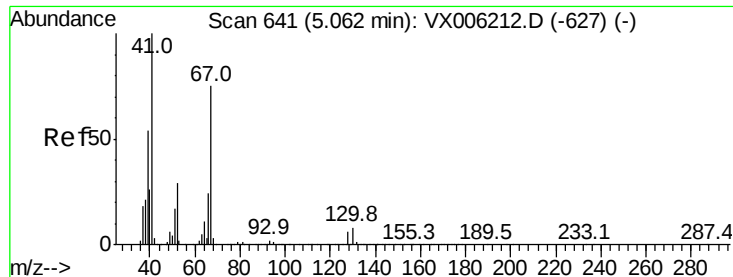
MMDadoda
12/7/2018 10:41:56 AM



#40
Benzene
Concen: 19.777 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX006293.D
Acq: 05 Dec 2018 11:58

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	527033		
77	22.4		19.2	28.8





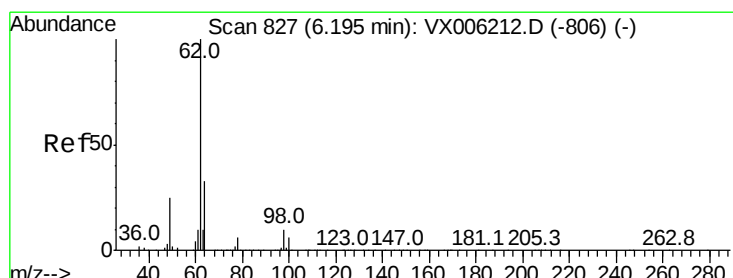
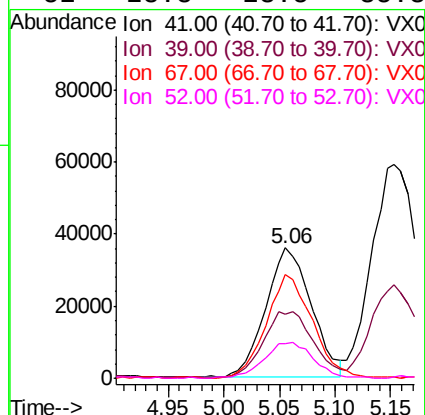
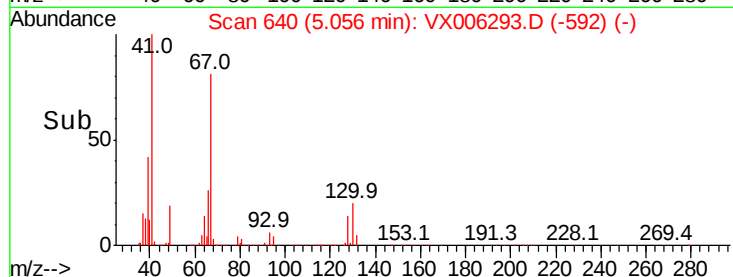
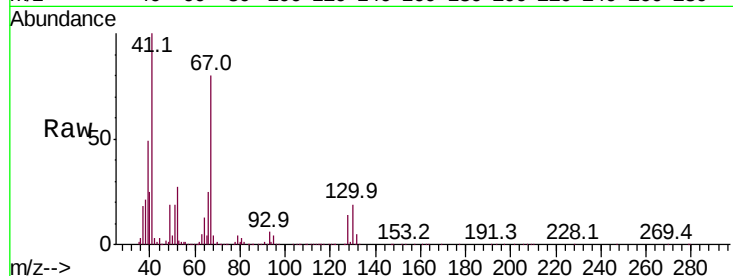
#41
Methacrylonitrile
Concen: 18.708 ug/l
RT: 5.06 min Scan# 640
Delta R.T. -0.01 min
Lab File: VX006293.D
Acq: 05 Dec 2018 11:58

Instrument :
MSVOA_X
ClientSampleId :
VX1205MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		102571		
39	55.2	44.0	66.0		
67	80.3	61.4	92.0		
52	28.8	23.5	35.3		

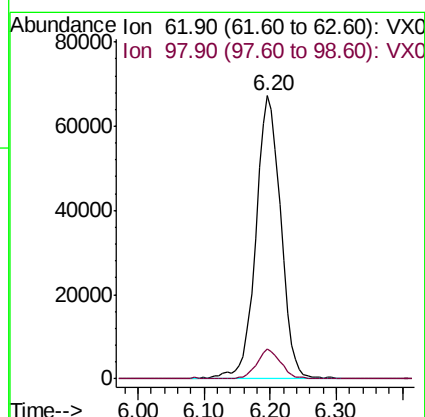
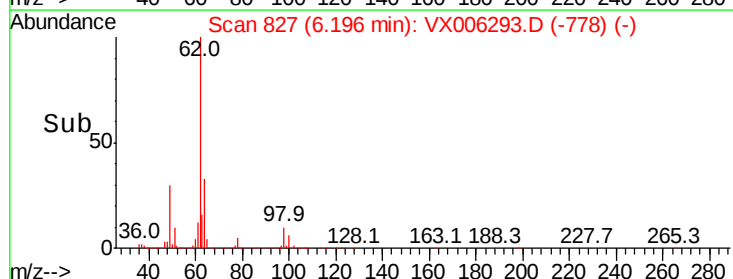
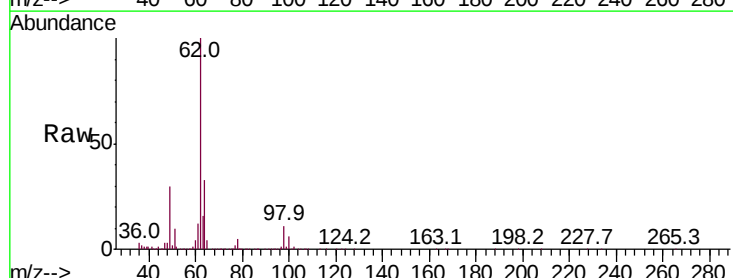
Manual Integrations
APPROVED

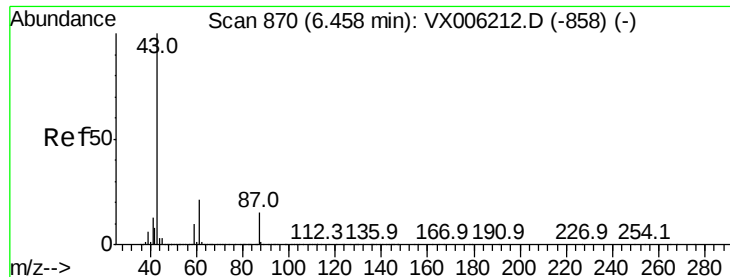
MMDadoda
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#42
1,2-Dichloroethane
Concen: 20.270 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX006293.D
Acq: 05 Dec 2018 11:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		176785		
98	10.3	0.0	20.2		





#43

Isopropyl Acetate

Concen: 18.418 ug/l

RT: 6.46 min Scan# 870

Delta R.T. 0.00 min

Lab File: VX006293.D

Acq: 05 Dec 2018 11:58

Instrument :

MSVOA_X

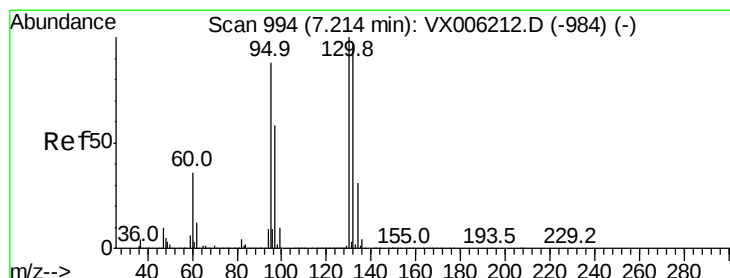
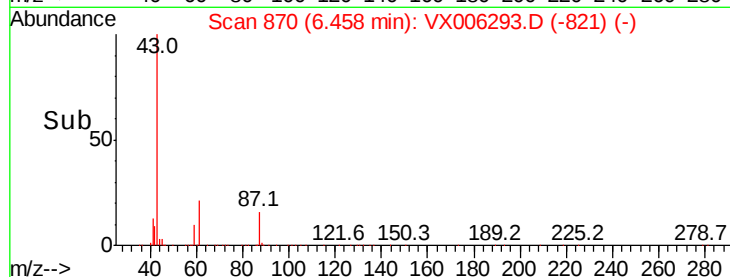
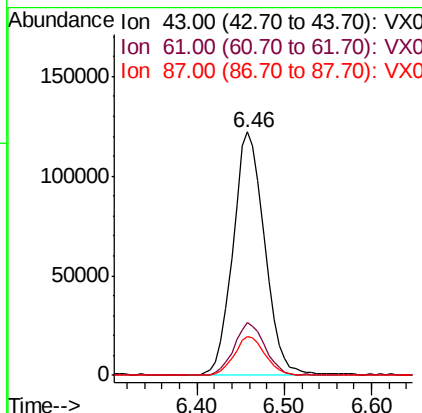
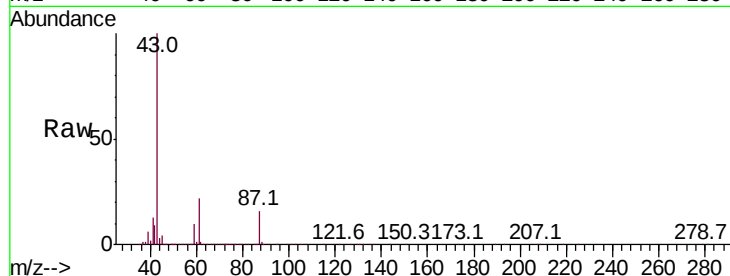
ClientSampleId :

VX1205MBS01

Tot Ion:	43	Resp:	305976
Ion	Ratio	Lower	Upper
43	100		
61	21.2	16.8	25.2
87	15.8	11.9	17.9

Manual Integrations
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12/7/2018 10:41:56 AM



#44

Trichloroethene

Concen: 19.518 ug/l

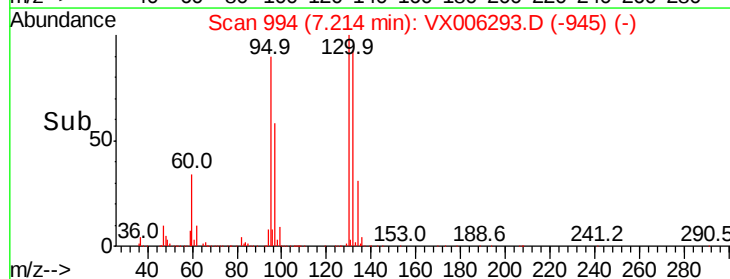
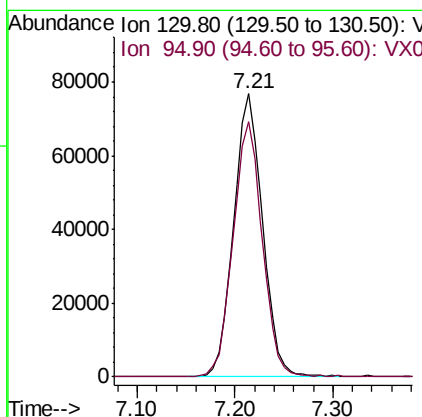
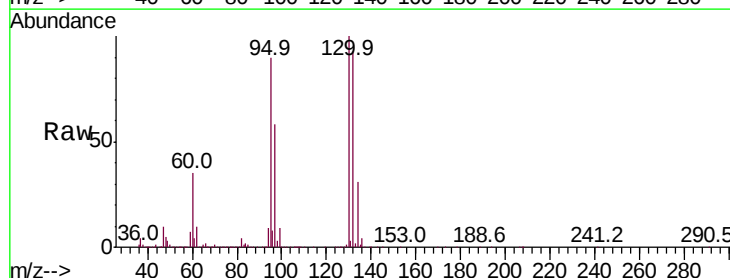
RT: 7.21 min Scan# 994

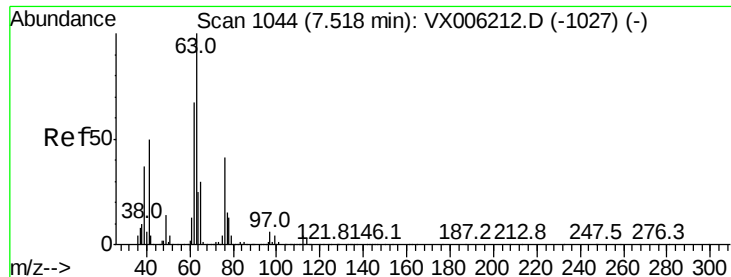
Delta R.T. 0.00 min

Lab File: VX006293.D

Acq: 05 Dec 2018 11:58

Tgt Ion:	130	Resp:	157567
Ion	Ratio	Lower	Upper
130	100		
95	90.2	0.0	175.8





#45

1,2-Dichloropropane

Concen: 19.466 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VX006293.D

Acq: 05 Dec 2018 11:58

Instrument :

MSVOA_X

ClientSampleId :

VX1205MBS01

Tot Ion: 63 Resp: 131838

Ion Ratio Lower Upper

63 100

65 29.9

24.3

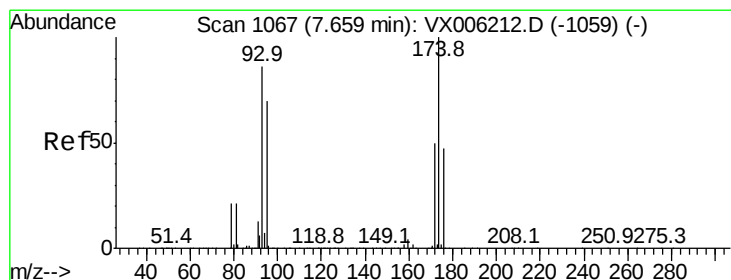
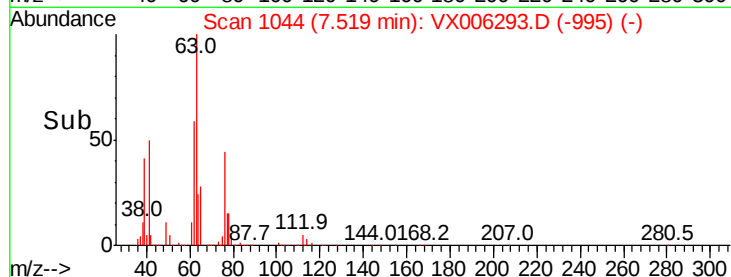
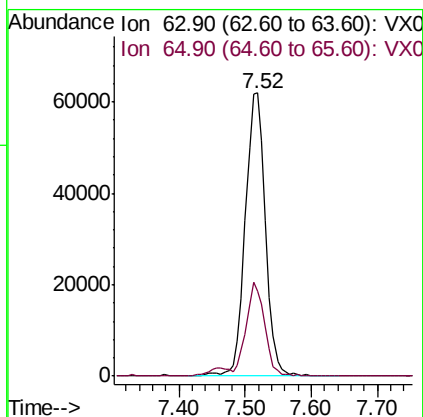
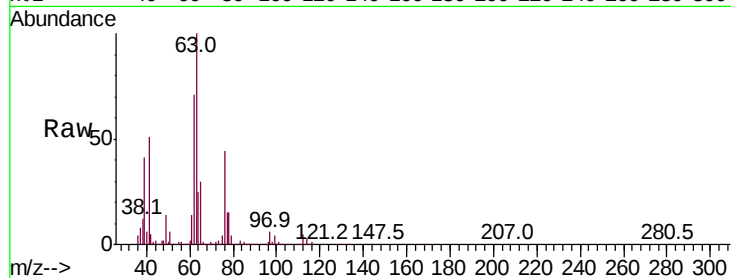
36.5

Manual Integrations

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MMDadoda

12/7/2018 10:41:56 AM



#46

Dibromomethane

Concen: 19.537 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX006293.D

Acq: 05 Dec 2018 11:58

Tgt Ion: 93 Resp: 95563

Ion Ratio Lower Upper

93 100

95 85.5

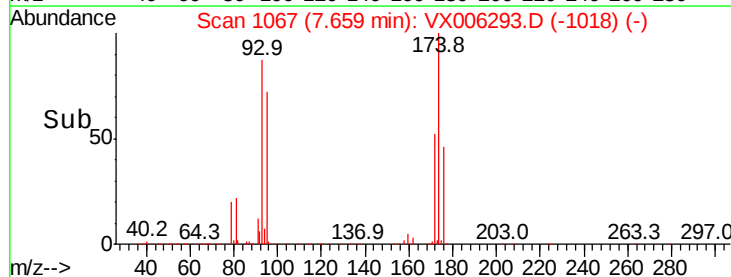
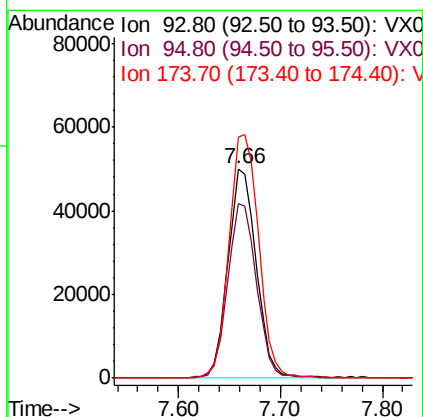
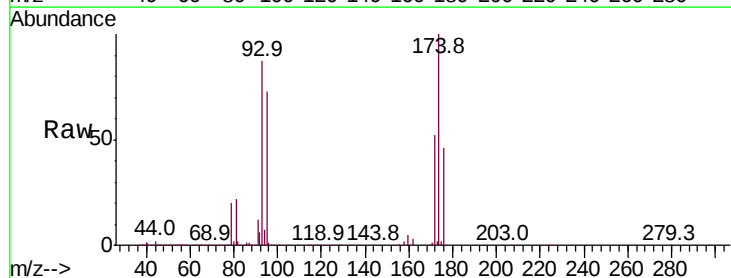
66.2

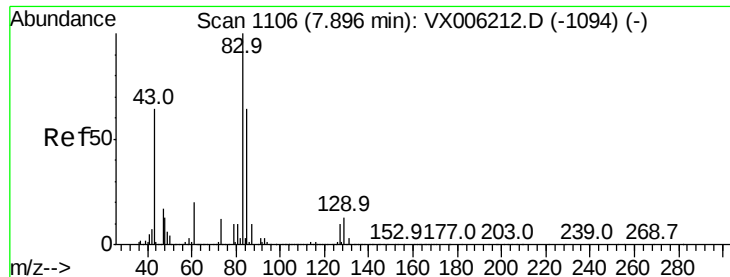
99.4

174 121.9

97.2

145.8





#47

Bromodichloromethane

Concen: 19.388 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX006293.D

Acq: 05 Dec 2018 11:58

Instrument :

MSVOA_X

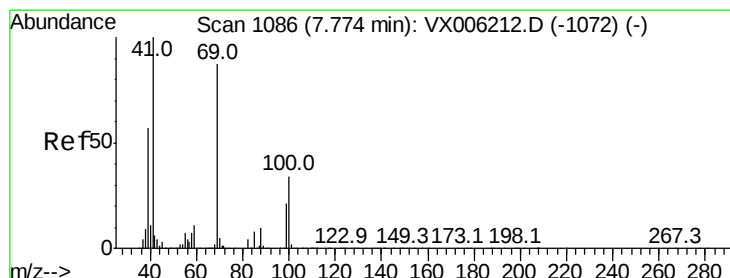
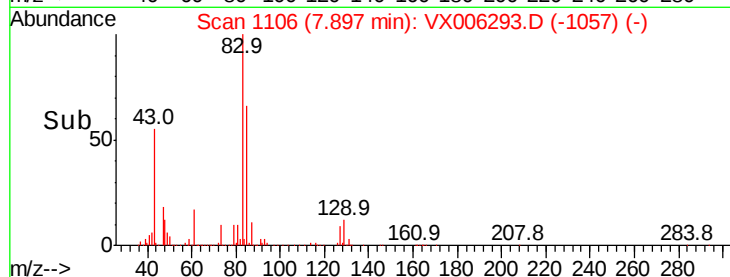
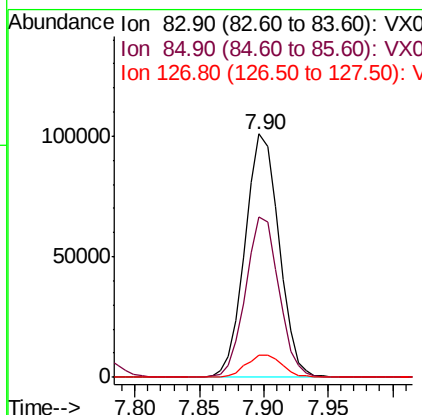
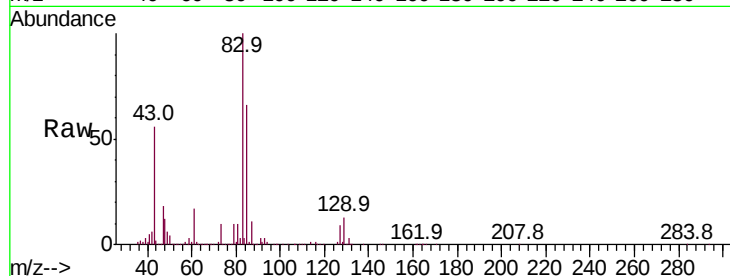
ClientSampleId :

VX1205MBS01

Tot Ion:	83	Resp:	183656
Ion Ratio	Lower	Upper	
83	100		
85	65.9	51.4	77.0
127	9.2	7.9	11.9

Manual Integrations
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MMDadoda
12/7/2018 10:41:56 AM



#48

Methyl methacrylate

Concen: 18.760 ug/l

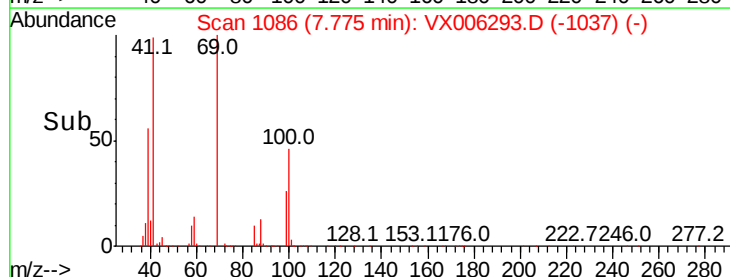
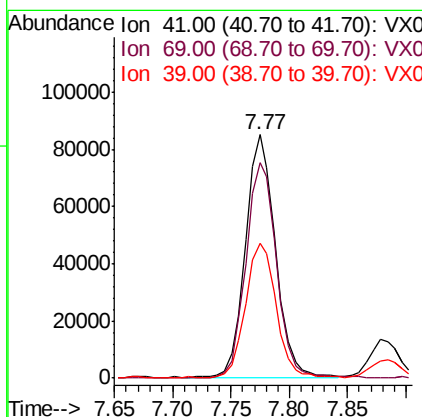
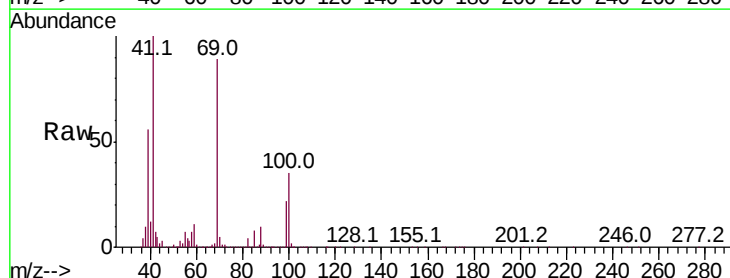
RT: 7.77 min Scan# 1086

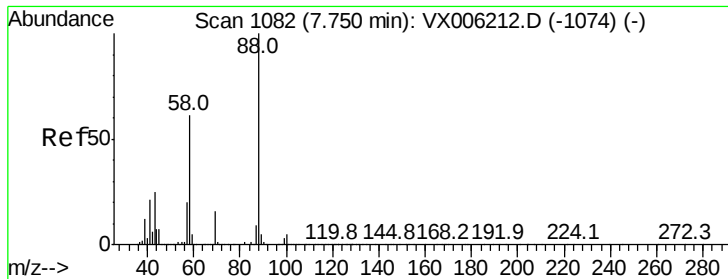
Delta R.T. 0.00 min

Lab File: VX006293.D

Acq: 05 Dec 2018 11:58

Tgt Ion:	41	Resp:	151616
Ion Ratio	Lower	Upper	
41	100		
69	91.7	70.3	105.5
39	56.6	45.3	67.9





#49

1,4-Dioxane

Concen: 388.105 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX006293.D

Acq: 05 Dec 2018 11:58

Instrument :

MSVOA_X

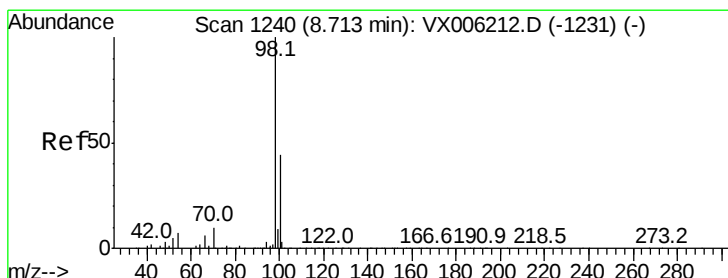
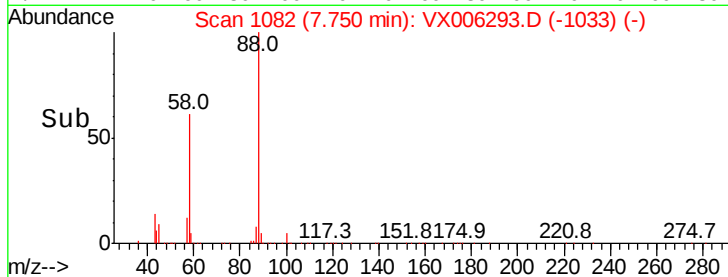
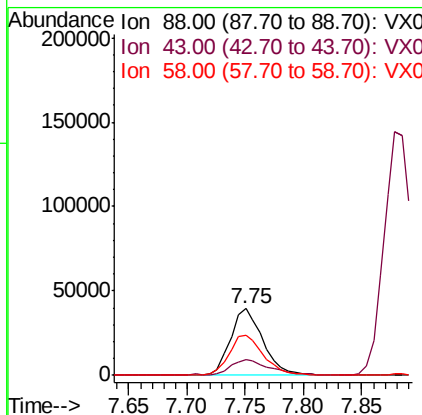
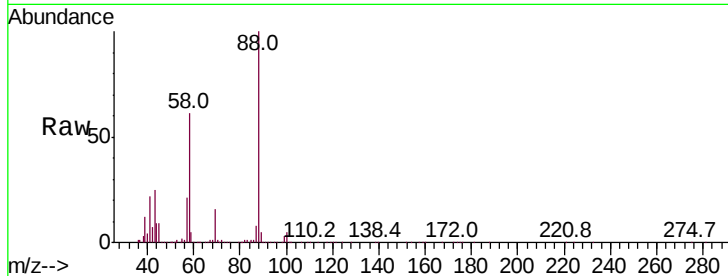
ClientSampleId :

VX1205MBS01

Tot Ion:	88	Resp:	77308
Ion Ratio	Lower	Upper	
88	100		
43	27.7	23.2	34.8
58	63.4	51.4	77.0

Manual Integrations
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#50

Toluene-d8

Concen: 50.152 ug/l

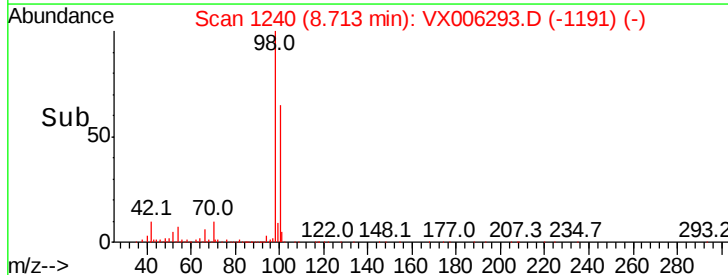
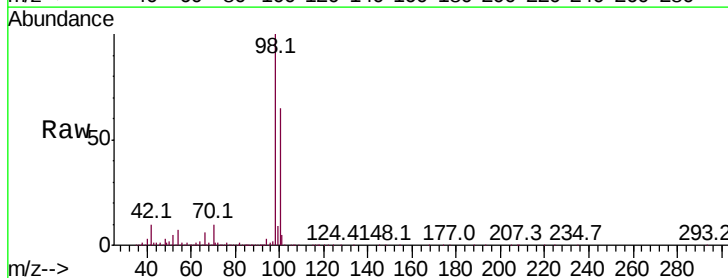
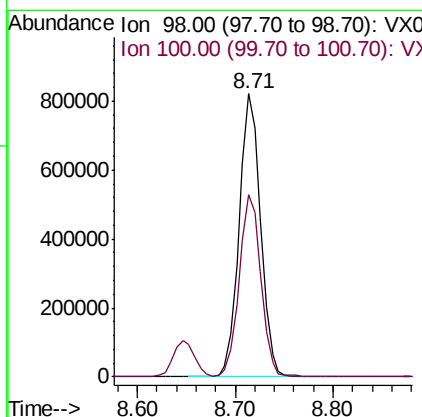
RT: 8.71 min Scan# 1240

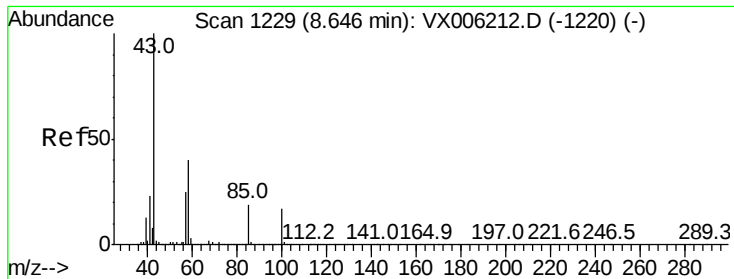
Delta R.T. 0.00 min

Lab File: VX006293.D

Acq: 05 Dec 2018 11:58

Tgt Ion:	98	Resp:	1247964
Ion Ratio	Lower	Upper	
98	100		
100	65.0	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 96.603 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX006293.D

Acq: 05 Dec 2018 11:58

Instrument :

MSVOA_X

ClientSampleId :

VX1205MBS01

Tot Ion: 43 Resp: 934262

Ion Ratio Lower Upper

43 100

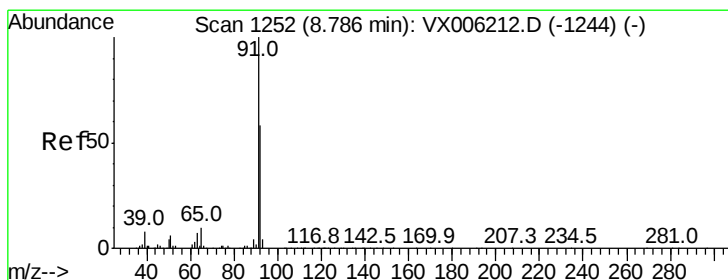
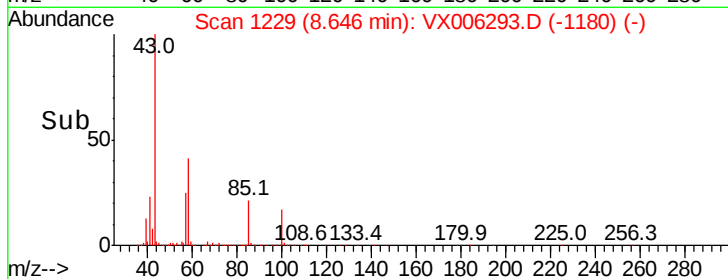
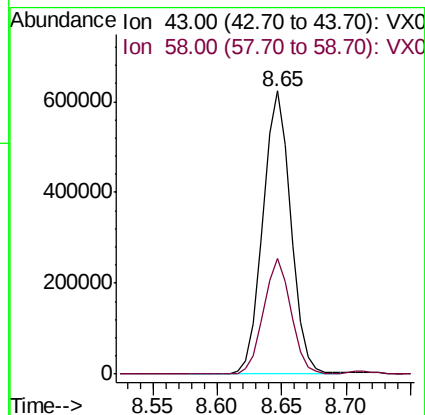
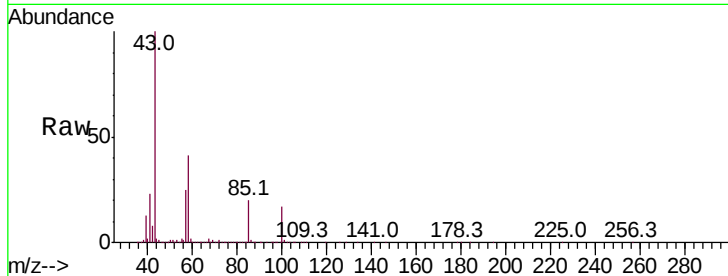
58 40.2 31.3 46.9

Manual Integrations

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MMDadoda

12/7/2018 10:41:56 AM



#52

Toluene

Concen: 19.595 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX006293.D

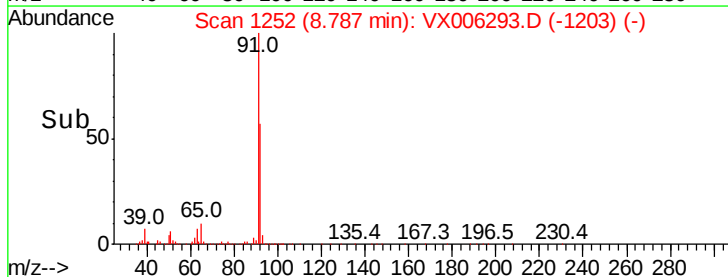
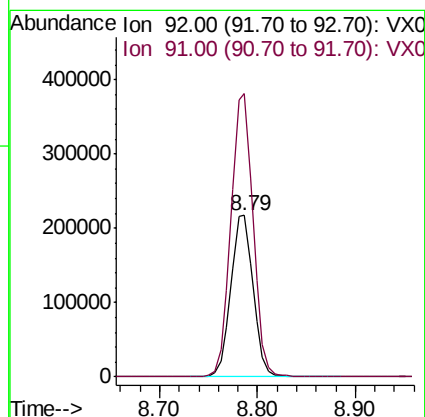
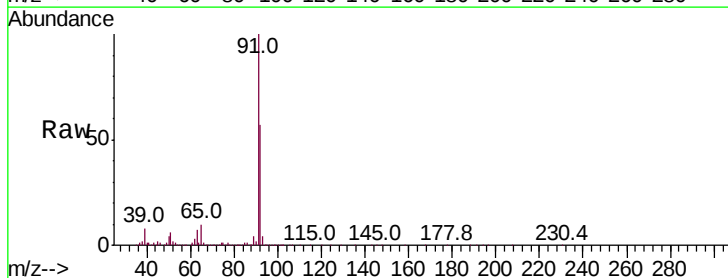
Acq: 05 Dec 2018 11:58

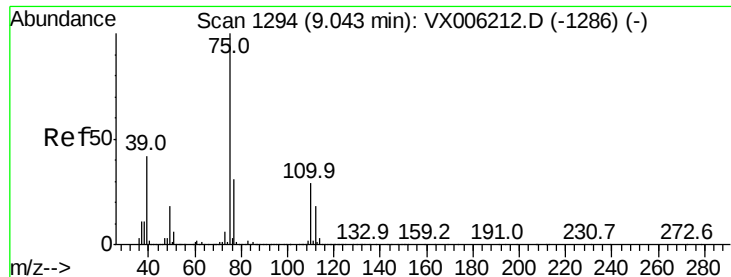
Tgt Ion: 92 Resp: 343552

Ion Ratio Lower Upper

92 100

91 173.9 139.2 208.8





#53

t-1,3-Dichloropropene

Concen: 18.680 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX006293.D

Acq: 05 Dec 2018 11:58

Instrument :

MSVOA_X

ClientSampleId :

VX1205MBS01

Tot Ion: 75 Resp: 206938

Ion Ratio Lower Upper

75 100

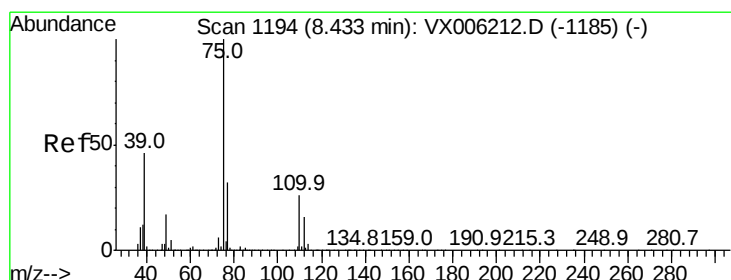
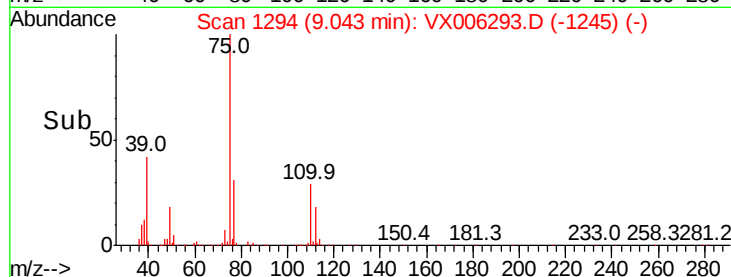
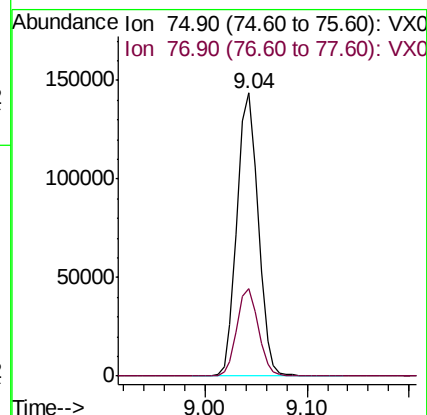
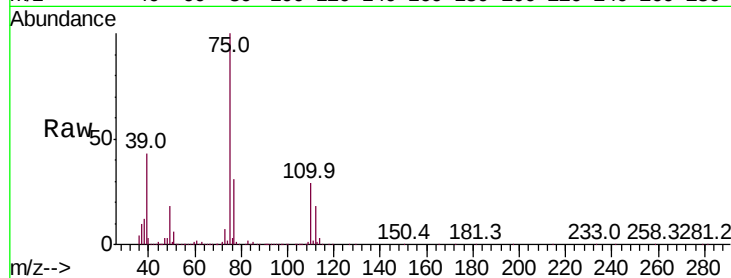
77 30.8 25.0 37.4

Manual Integrations

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MMDadoda

12/7/2018 10:41:56 AM



#54

cis-1,3-Dichloropropene

Concen: 19.076 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX006293.D

Acq: 05 Dec 2018 11:58

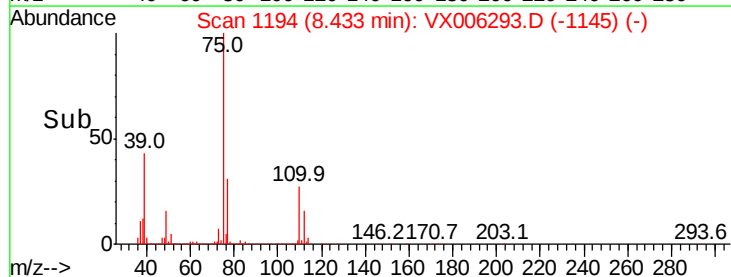
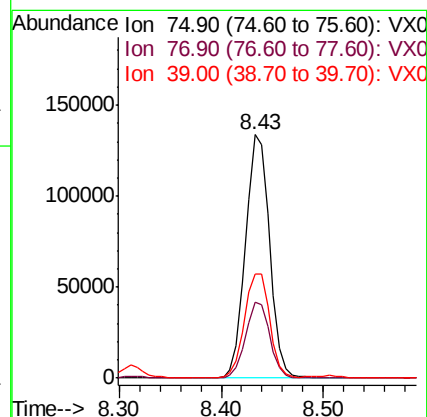
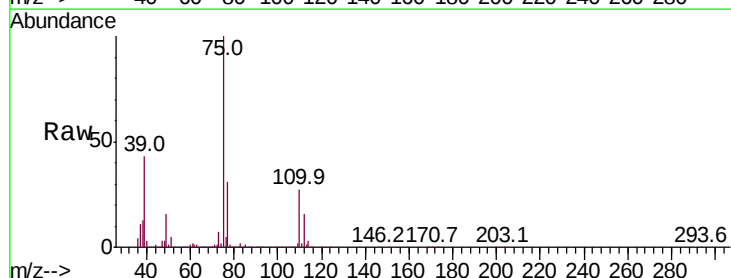
Tgt Ion: 75 Resp: 219435

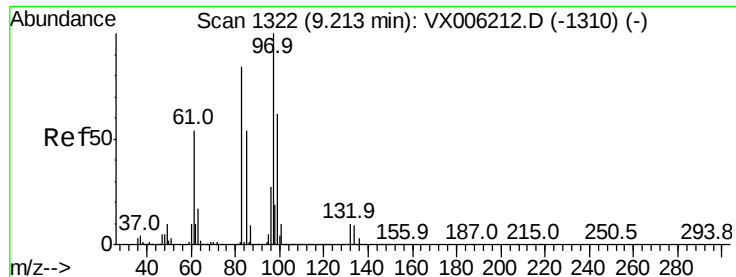
Ion Ratio Lower Upper

75 100

77 31.3 25.6 38.4

39 42.9 36.5 54.7





#55

1,1,2-Trichloroethane

Concen: 19.921 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VX006293.D

Acq: 05 Dec 2018 11:58

Instrument :

MSVOA_X

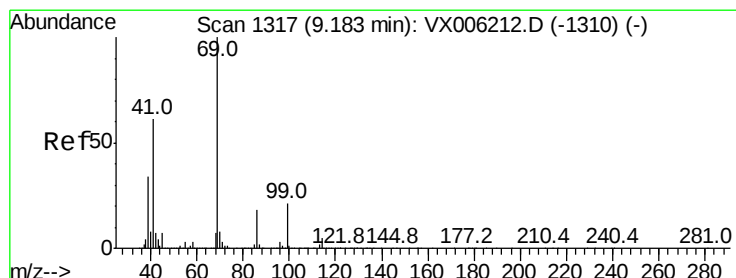
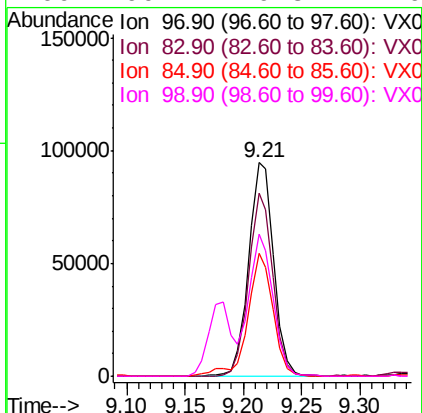
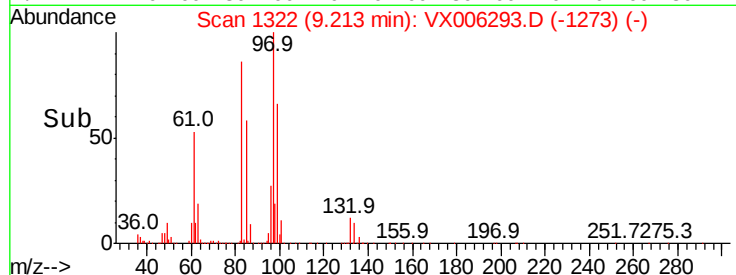
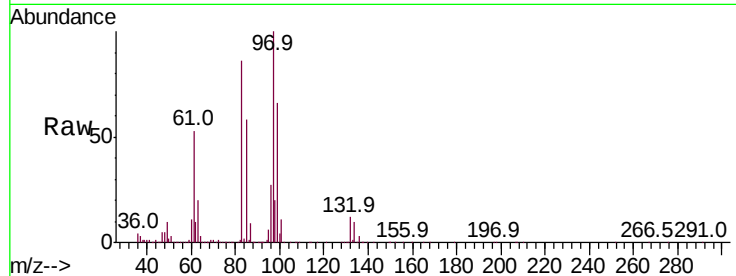
ClientSampleId :

VX1205MBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	85.8	67.1	100.7
85	57.6	43.2	64.8
99	66.1	49.8	74.6

Manual Integrations
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#56

Ethyl methacrylate

Concen: 18.965 ug/l

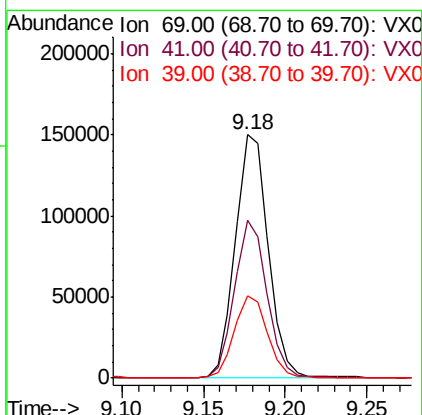
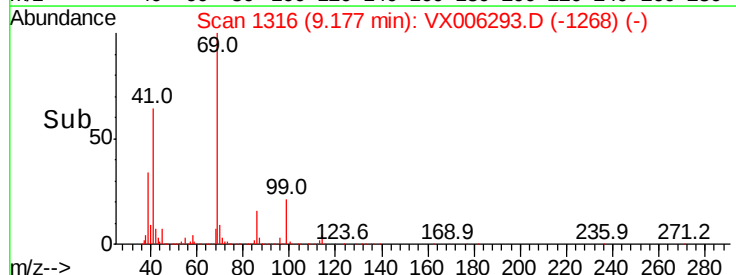
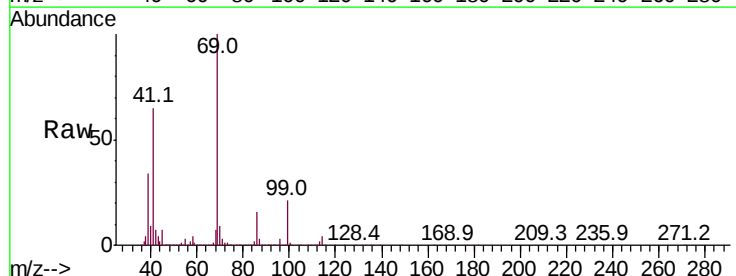
RT: 9.18 min Scan# 1316

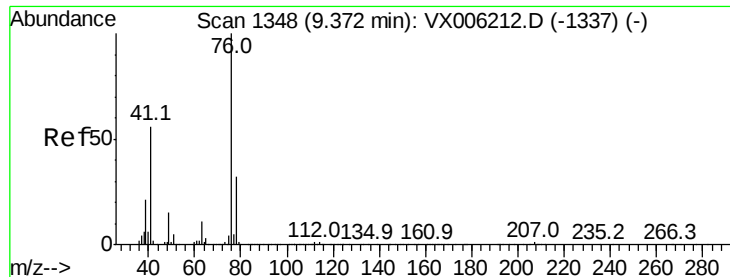
Delta R.T. -0.01 min

Lab File: VX006293.D

Acq: 05 Dec 2018 11:58

Tgt Ion	Ratio	Lower	Upper
69	100		
41	63.5	50.6	76.0
39	33.8	27.6	41.4





#57

1,3-Dichloropropane

Concen: 20.182 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX006293.D

Acq: 05 Dec 2018 11:58

Instrument :

MSVOA_X

ClientSampleId :

VX1205MBS01

Tot Ion: 76 Resp: 227313

Ion Ratio Lower Upper

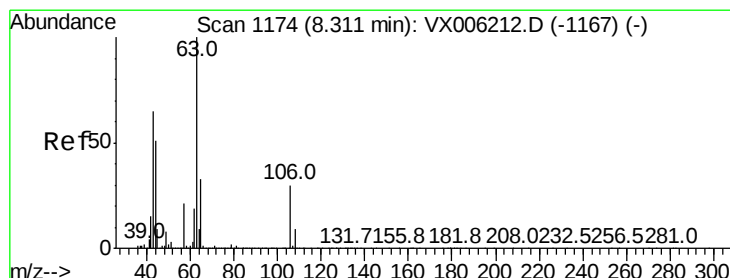
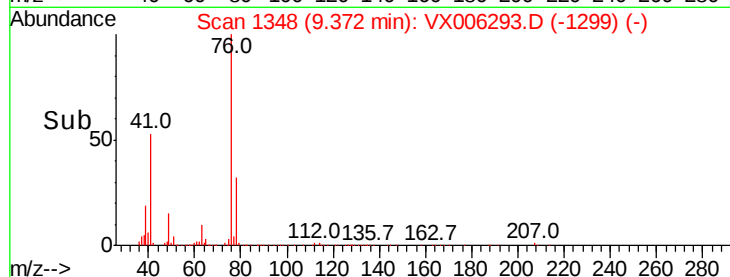
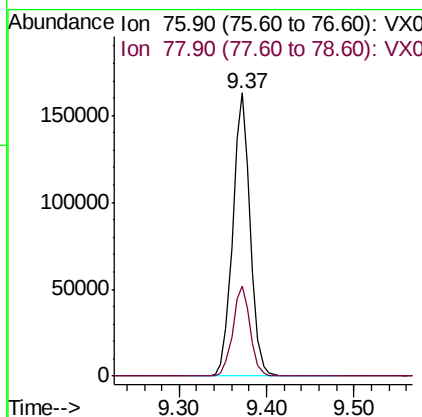
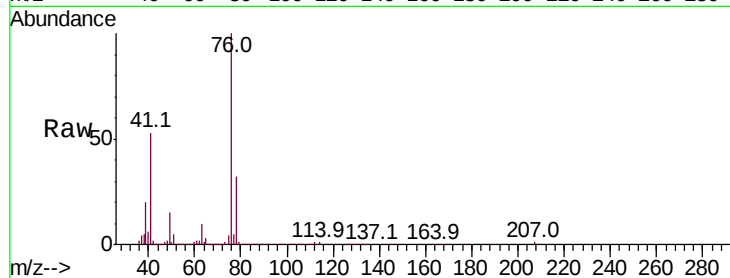
76 100

78 31.9 26.1 39.1

Manual Integrations
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MMDadoda

12/7/2018 10:41:56 AM



#58

2-Chloroethyl Vinyl ether

Concen: 96.944 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX006293.D

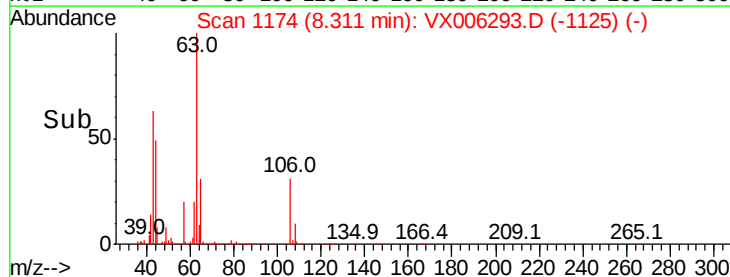
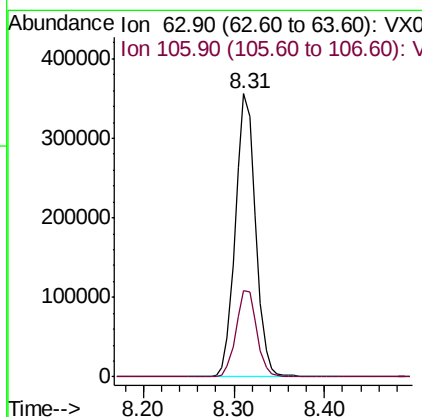
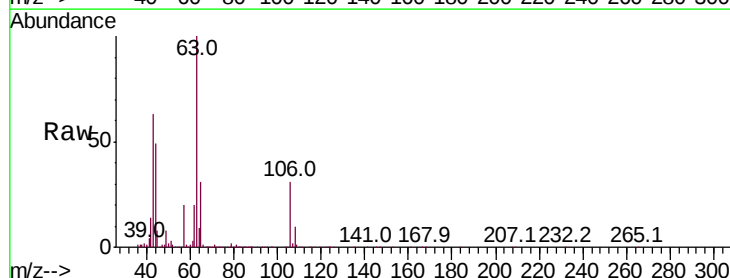
Acq: 05 Dec 2018 11:58

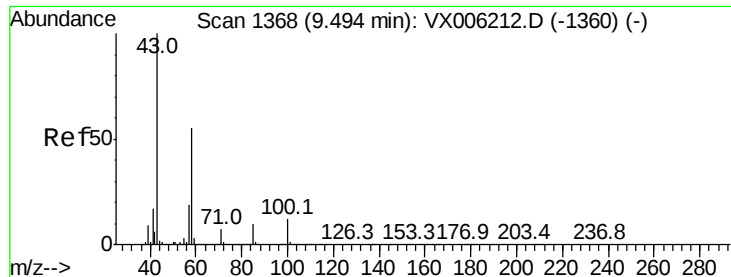
Tgt Ion: 63 Resp: 547775

Ion Ratio Lower Upper

63 100

106 31.6 24.9 37.3





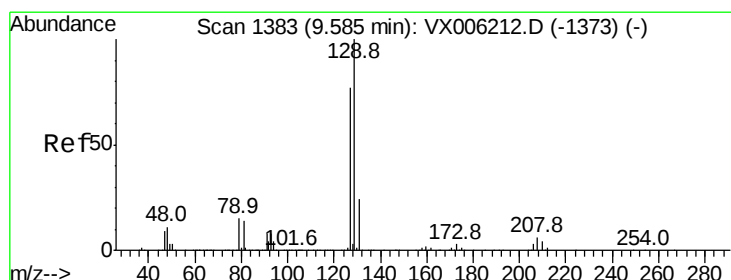
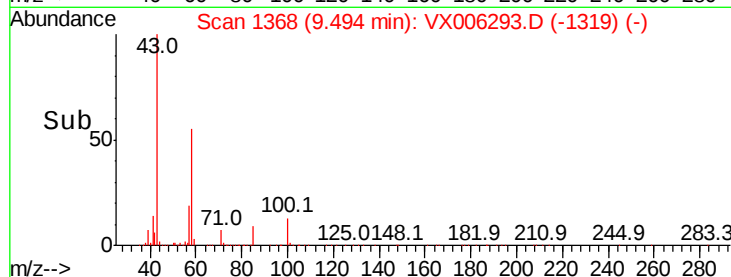
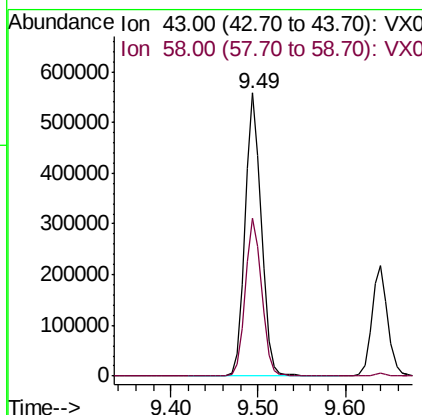
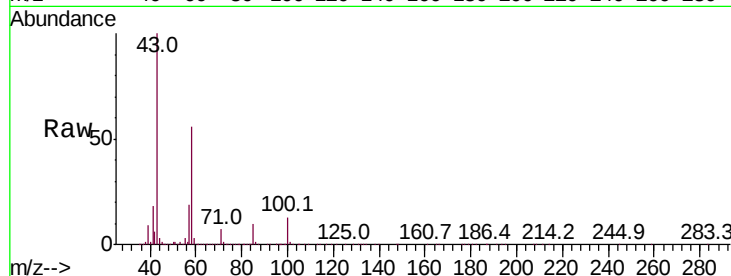
#59
2-Hexanone
Concen: 96.968 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX006293.D
Acq: 05 Dec 2018 11:58

Instrument :
MSVOA_X
ClientSampleId :
VX1205MBS01

Tot Ion: 43 Resp: 716475
Ion Ratio Lower Upper
43 100
58 56.4 27.7 83.1

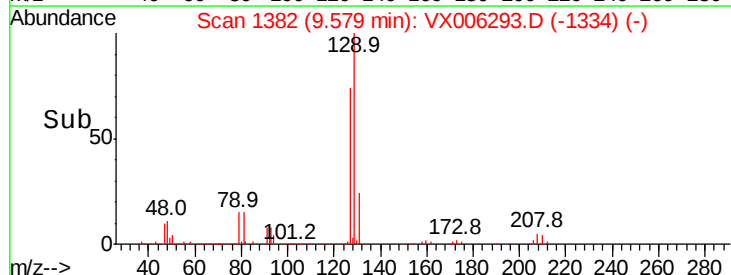
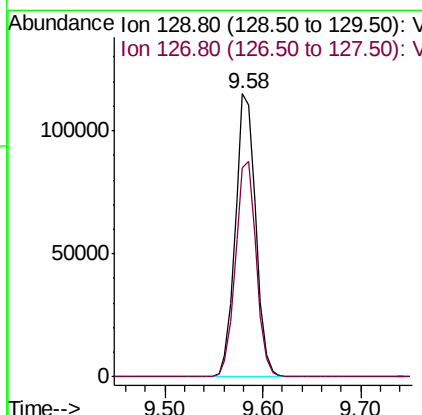
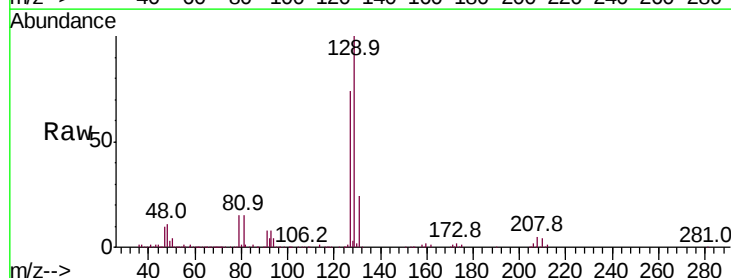
Manual Integrations
APPROVED

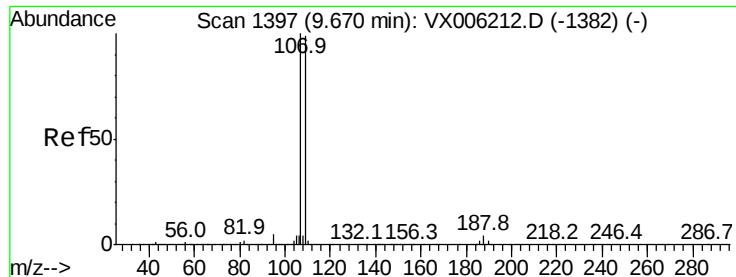
MMDadoda
12/7/2018 10:41:56 AM



#60
Dibromochloromethane
Concen: 18.881 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.01 min
Lab File: VX006293.D
Acq: 05 Dec 2018 11:58

Tgt Ion: 129 Resp: 165825
Ion Ratio Lower Upper
129 100
127 77.4 38.6 115.8





#61

1,2-Dibromoethane

Concen: 19.530 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX006293.D

Acq: 05 Dec 2018 11:58

Instrument :

MSVOA_X

ClientSampleId :

VX1205MBS01

Tot Ion: 107 Resp: 155538

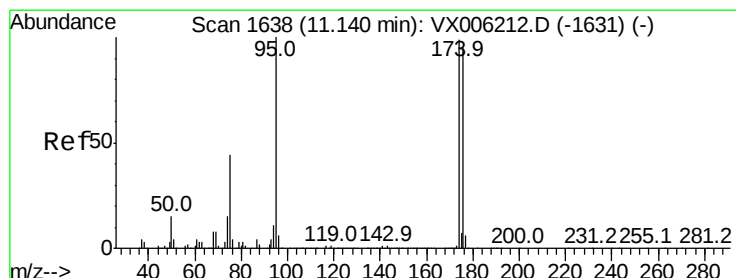
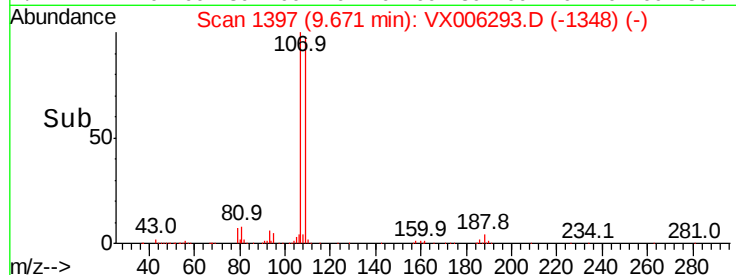
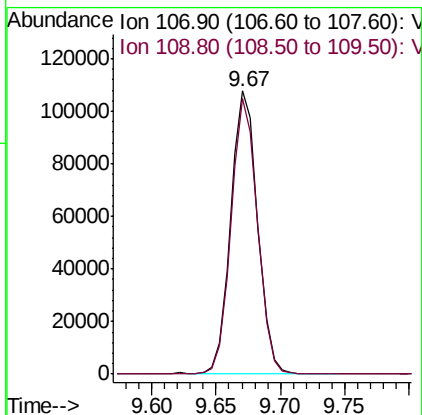
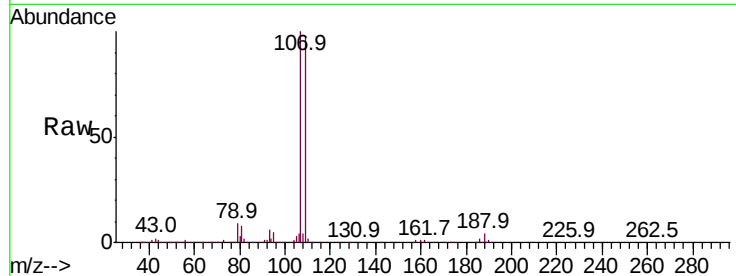
Ion Ratio Lower Upper

107 100

109 96.7 76.3 114.5

Manual Integrations
APPROVED

MMDadoda
12/7/2018 10:41:56 AM



#62

4-Bromofluorobenzene

Concen: 49.694 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.01 min

Lab File: VX006293.D

Acq: 05 Dec 2018 11:58

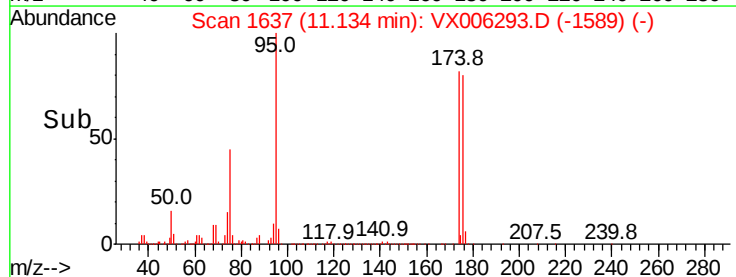
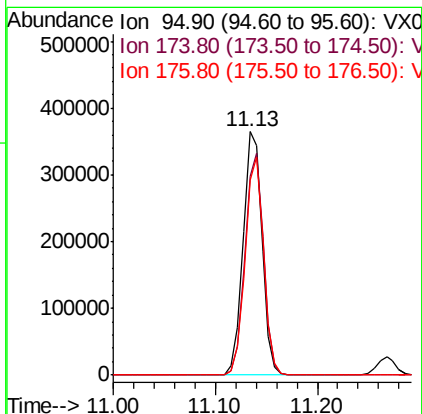
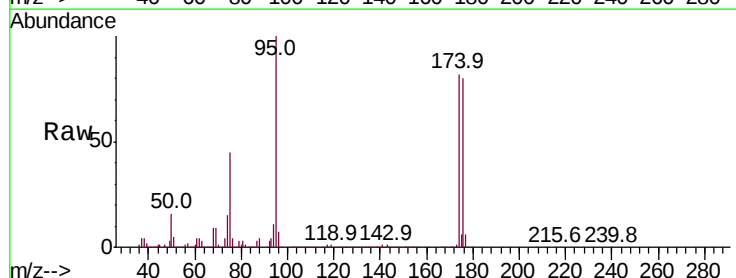
Tgt Ion: 95 Resp: 465969

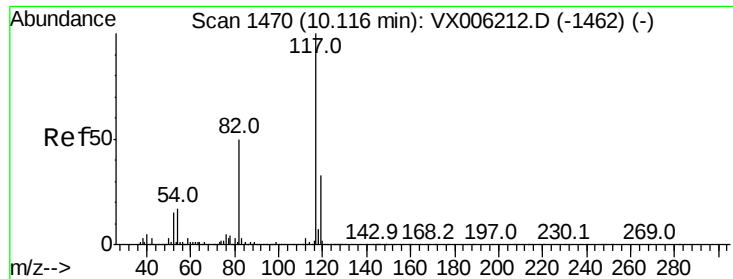
Ion Ratio Lower Upper

95 100

174 90.0 0.0 187.0

176 87.7 0.0 181.8





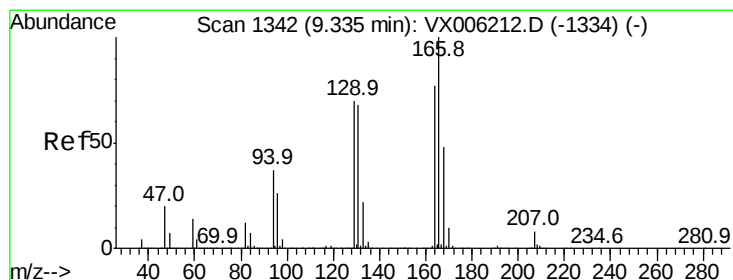
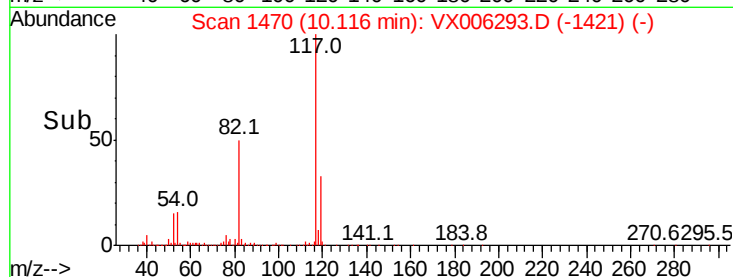
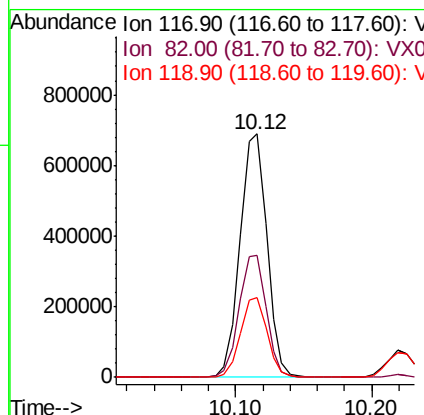
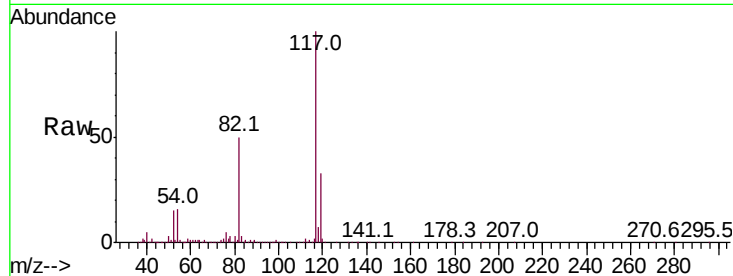
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX006293.D
Acq: 05 Dec 2018 11:58

Instrument :
MSVOA_X
ClientSampleId :
VX1205MBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	952605		
82	50.0	39.6	59.4	
119	32.6	26.3	39.5	

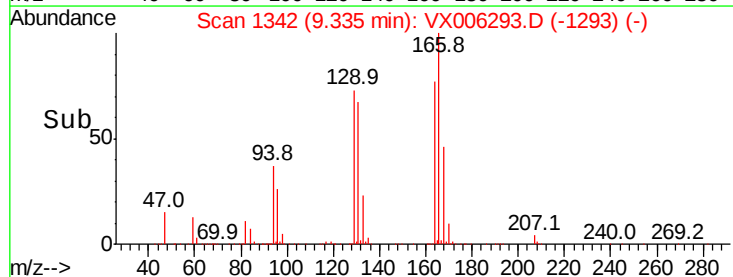
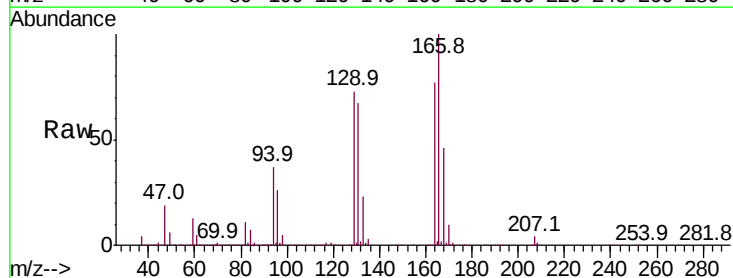
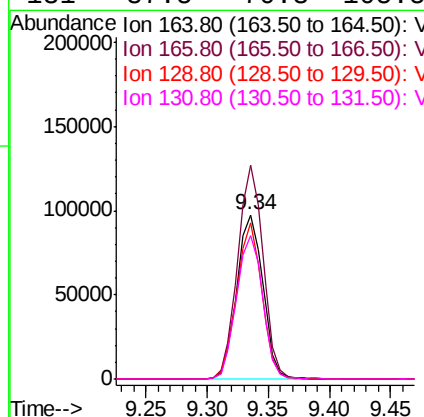
Manual Integrations
APPROVED

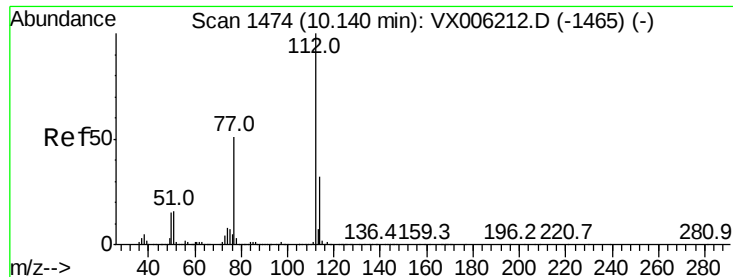
MMDadoda
12/7/2018 10:41:56 AM



#64
Tetrachloroethene
Concen: 20.016 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX006293.D
Acq: 05 Dec 2018 11:58

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	143593		
166	130.4	104.2	156.2	
129	95.1	72.6	108.8	
131	87.5	70.3	105.5	





#65

Chlorobenzene

Concen: 19.945 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VX006293.D

Acq: 05 Dec 2018 11:58

Instrument :

MSVOA_X

ClientSampleId :

VX1205MBS01

Tot Ion:112 Resp: 403316

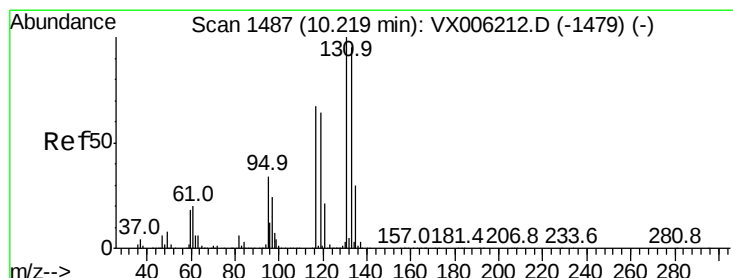
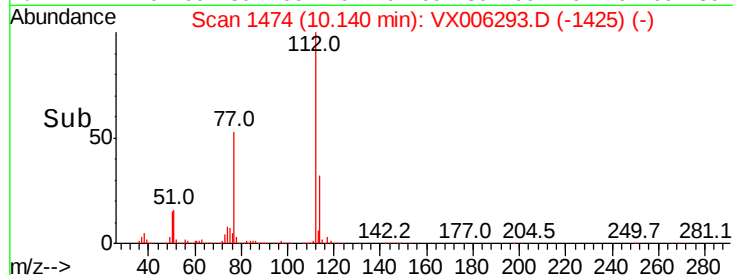
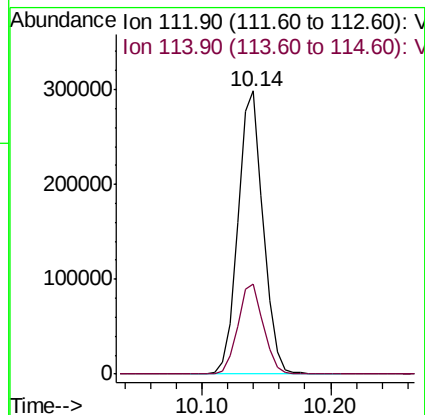
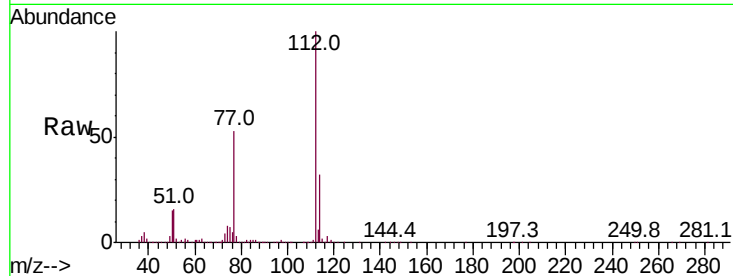
Ion Ratio Lower Upper

112 100

114 31.8 25.4 38.2

Manual Integrations
APPROVED

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#66

1,1,1,2-Tetrachloroethane

Concen: 19.478 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX006293.D

Acq: 05 Dec 2018 11:58

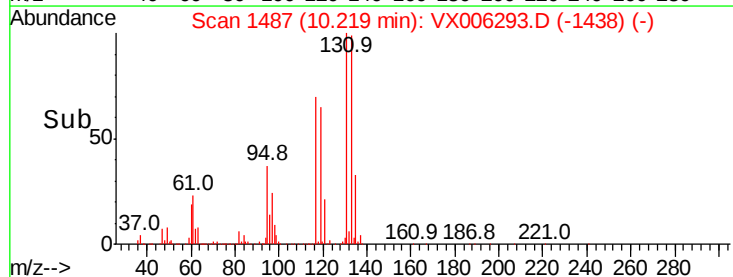
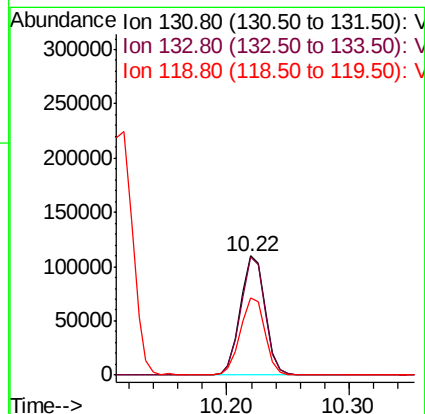
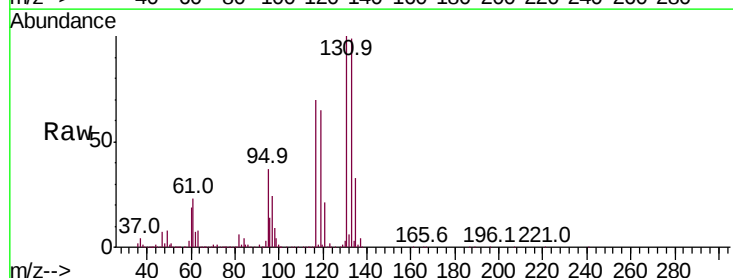
Tgt Ion:131 Resp: 153039

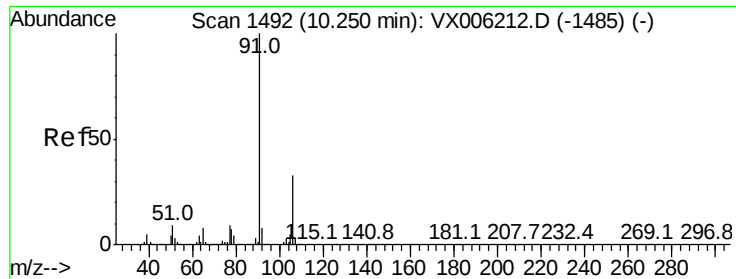
Ion Ratio Lower Upper

131 100

133 97.6 48.1 144.4

119 64.3 32.1 96.3





#67

Ethyl Benzene

Concen: 19.396 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX006293.D

Acq: 05 Dec 2018 11:58

Instrument :

MSVOA_X

ClientSampleId :

VX1205MBS01

Tot Ion: 91 Resp: 652325

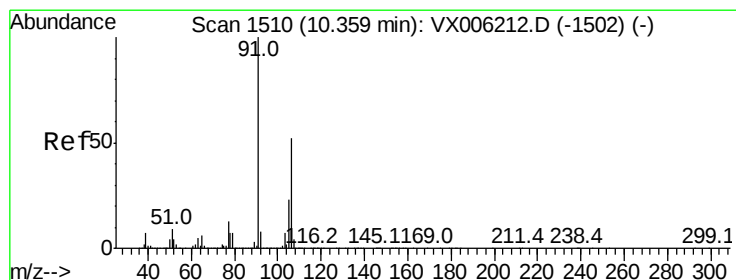
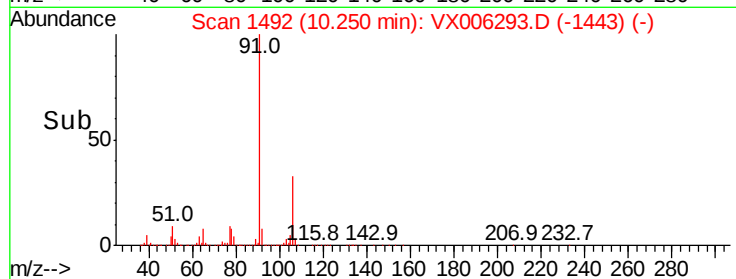
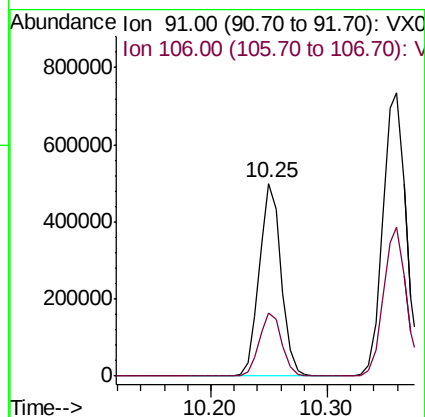
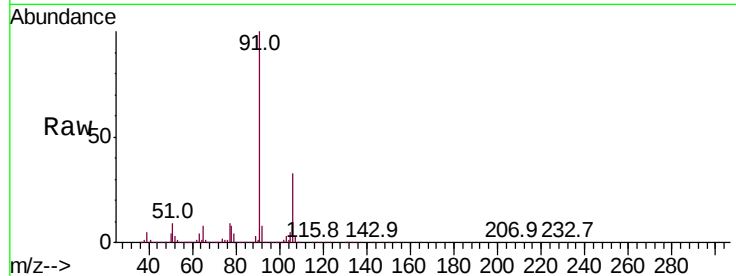
Ion Ratio Lower Upper

91 100

106 32.6 26.5 39.7

Manual Integrations
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#68

m/p-Xylenes

Concen: 38.799 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX006293.D

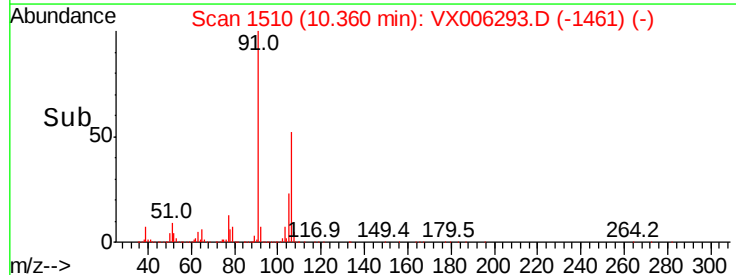
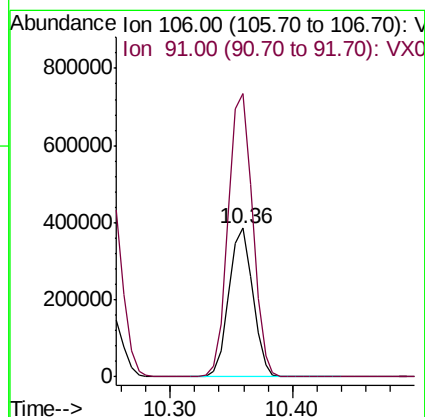
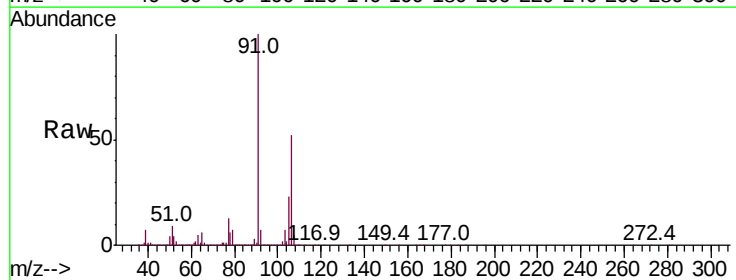
Acq: 05 Dec 2018 11:58

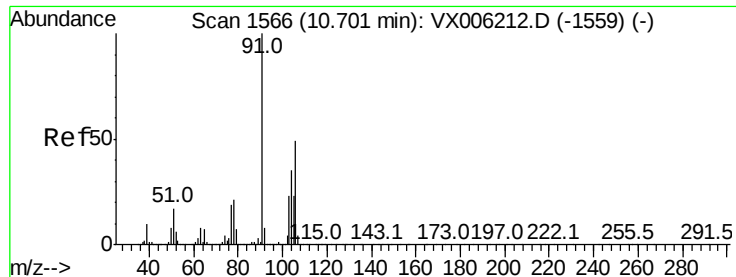
Tgt Ion: 106 Resp: 522706

Ion Ratio Lower Upper

106 100

91 193.9 155.2 232.8





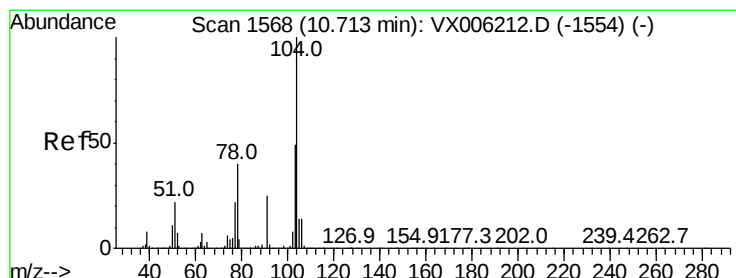
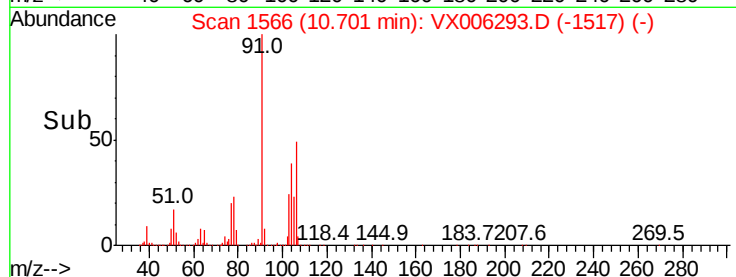
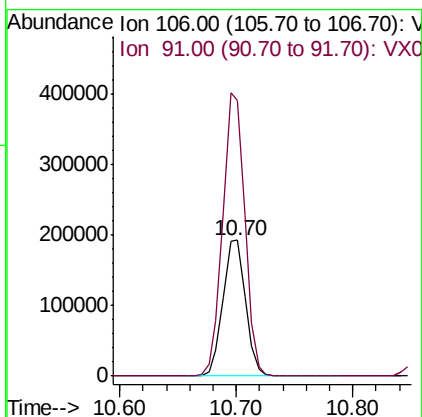
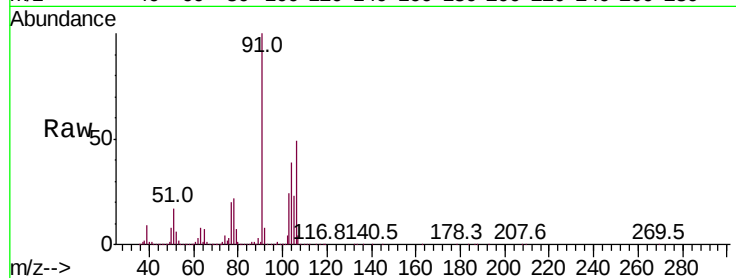
#69
o-Xylene
Concen: 19.468 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX006293.D
Acq: 05 Dec 2018 11:58

Instrument :
MSVOA_X
ClientSampleId :
VX1205MBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	204.0	101.8	305.6

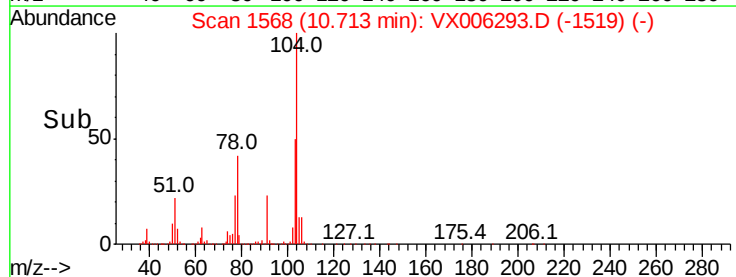
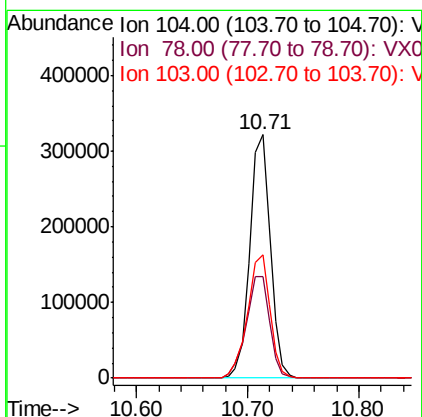
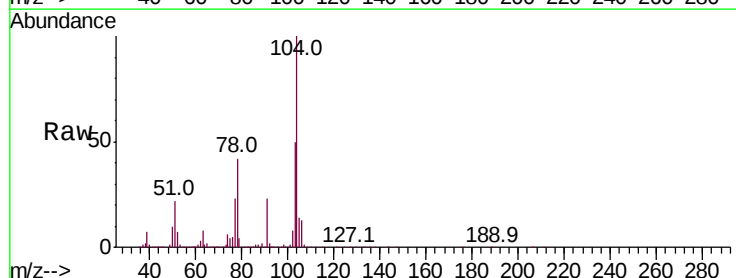
Manual Integrations
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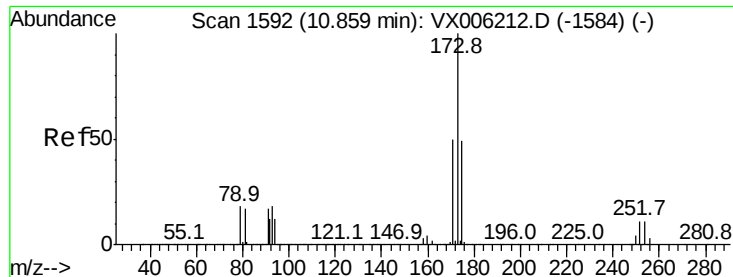
MMDadoda
12/7/2018 10:41:56 AM



#70
Styrene
Concen: 19.257 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX006293.D
Acq: 05 Dec 2018 11:58

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.6	37.2	55.8
103	55.6	43.5	65.3





#71

Bromoform

Concen: 17.738 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX006293.D

Acq: 05 Dec 2018 11:58

Instrument :

MSVOA_X

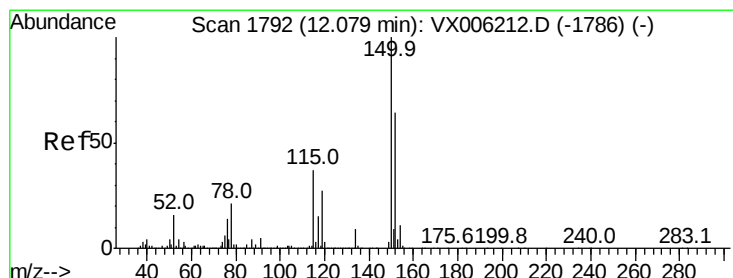
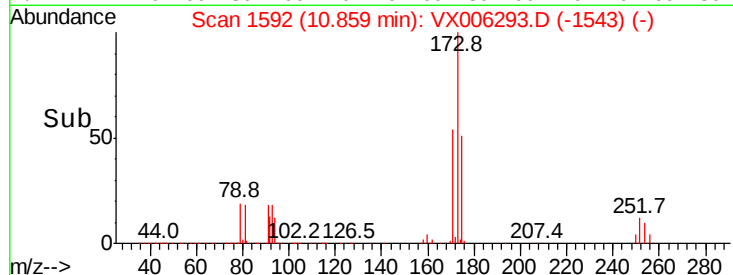
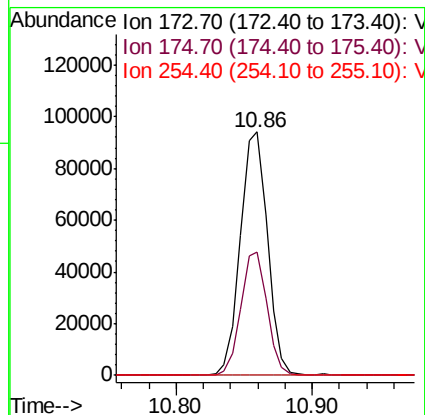
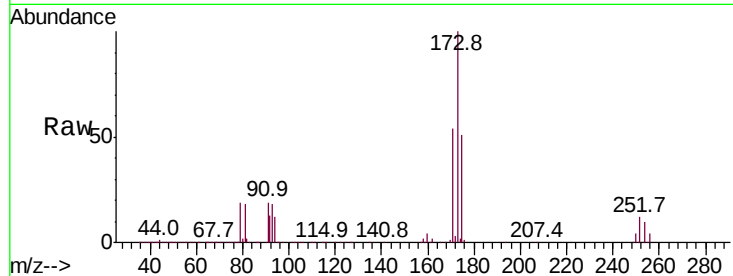
ClientSampleId :

VX1205MBS01

Tot Ion:	173	Resp:	131556
Ion Ratio	Lower	Upper	
173	100		
175	49.2	24.6	73.8
254	0.2	0.2	0.2

Manual Integrations
APPROVED

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12/7/2018 10:41:56 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

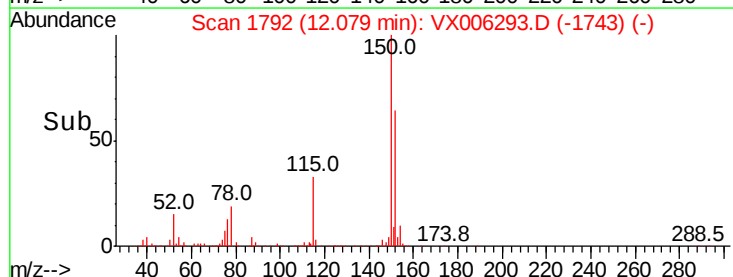
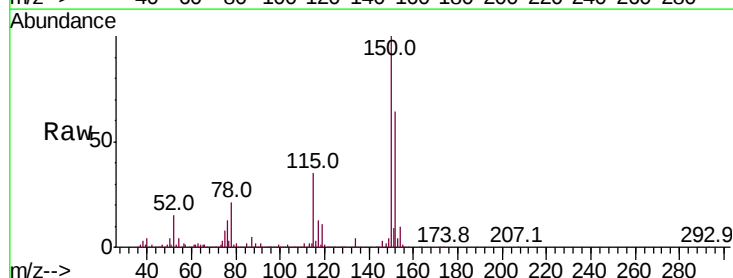
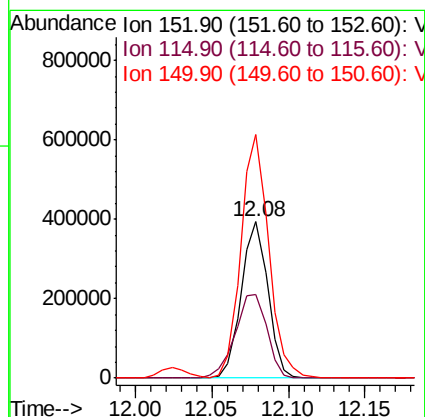
RT: 12.08 min Scan# 1792

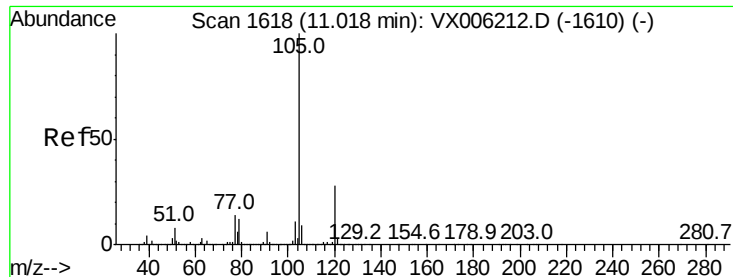
Delta R.T. 0.00 min

Lab File: VX006293.D

Acq: 05 Dec 2018 11:58

Tgt Ion:	152	Resp:	474451
Ion Ratio	Lower	Upper	
152	100		
115	64.3	39.0	116.9
150	162.5	0.0	345.8





#73

Isopropylbenzene

Concen: 20.849 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX006293.D

Acq: 05 Dec 2018 11:58

Instrument :

MSVOA_X

ClientSampleId :

VX1205MBS01

Tot Ion: 105 Resp: 683122

Ion Ratio Lower Upper

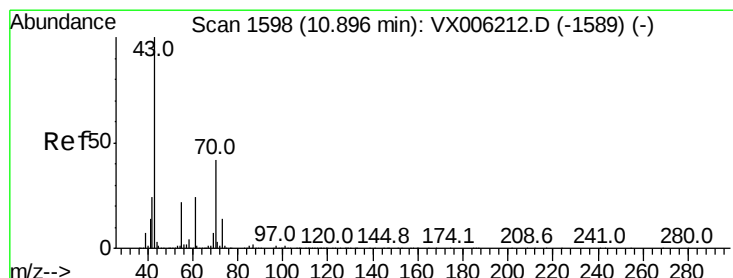
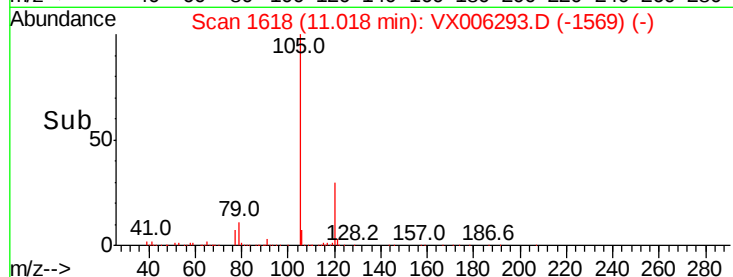
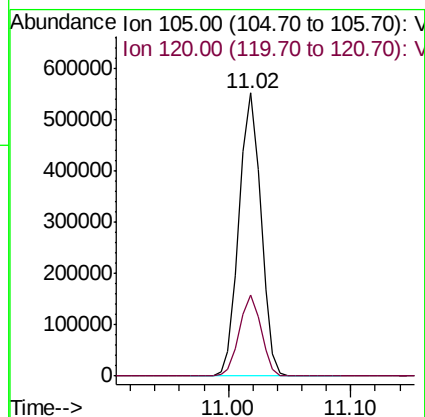
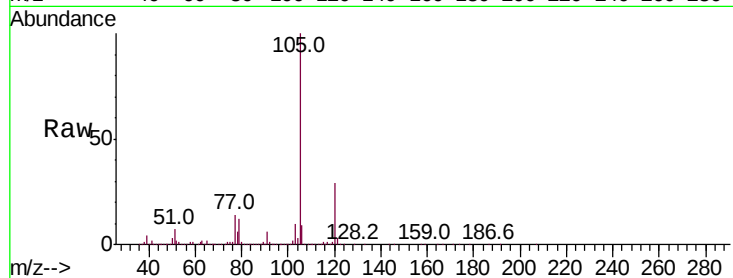
105 100

120 28.3 14.1 42.3

Manual Integrations
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#74

N-ethyl acetate

Concen: 19.302 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX006293.D

Acq: 05 Dec 2018 11:58

Tgt Ion: 43 Resp: 272336

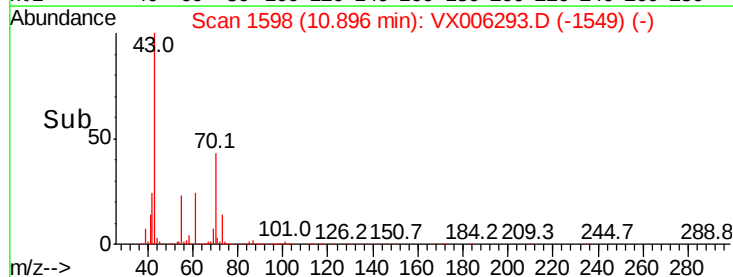
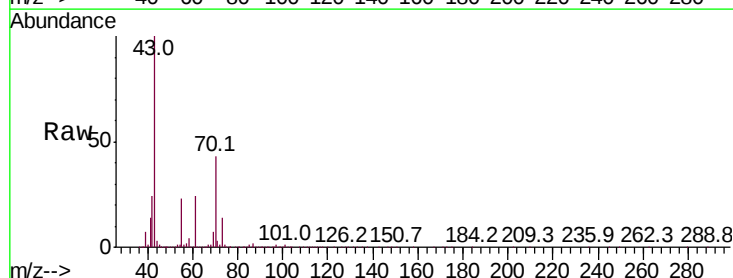
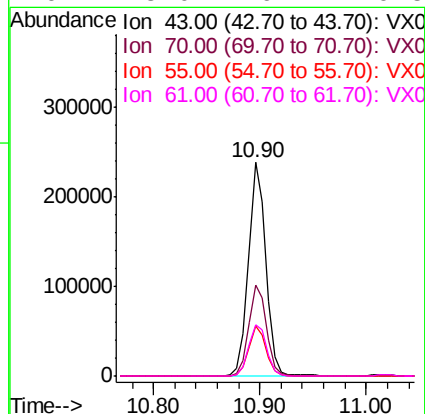
Ion Ratio Lower Upper

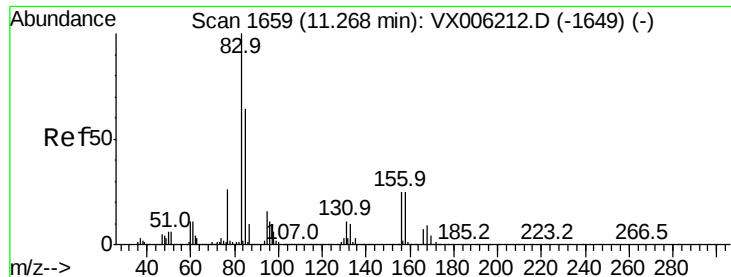
43 100

70 43.4 34.1 51.1

55 23.3 17.8 26.8

61 25.0 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.485 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX006293.D

Acq: 05 Dec 2018 11:58

Instrument :

MSVOA_X

ClientSampleId :

VX1205MBS01

Tot Ion: 83 Resp: 214726

Ion Ratio Lower Upper

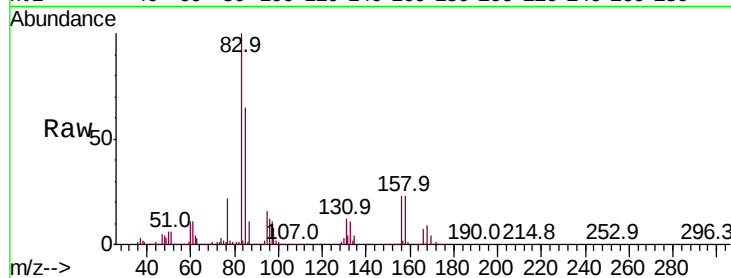
83 100

131 11.8 5.7 17.1

85 65.9 32.1 96.5

Manual Integrations
APPROVED

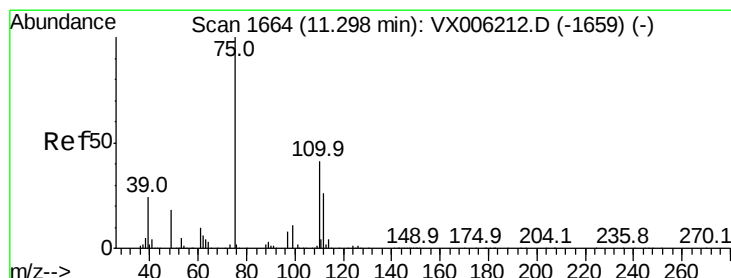
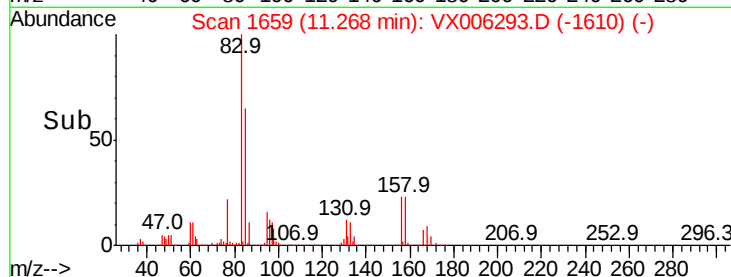
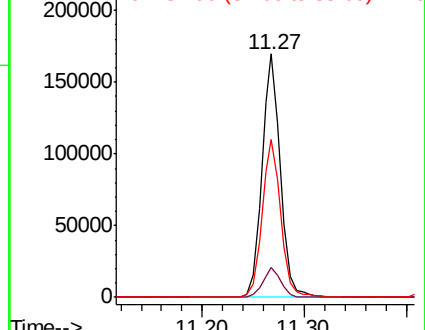
MMDadoda
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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 22.869 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VX006293.D

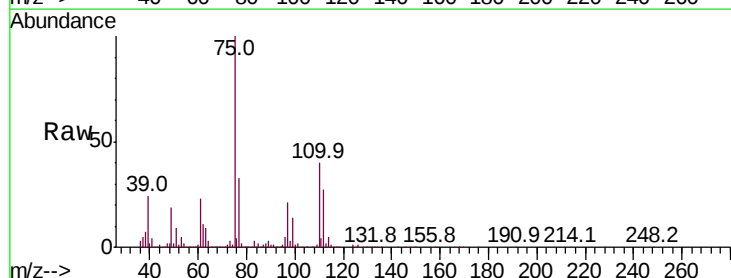
Acq: 05 Dec 2018 11:58

Tgt Ion: 75 Resp: 209431

Ion Ratio Lower Upper

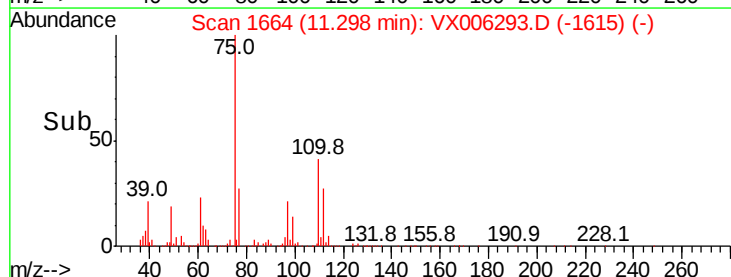
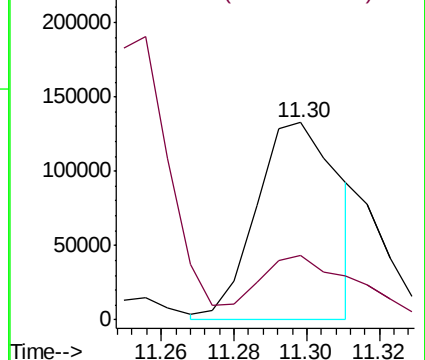
75 100

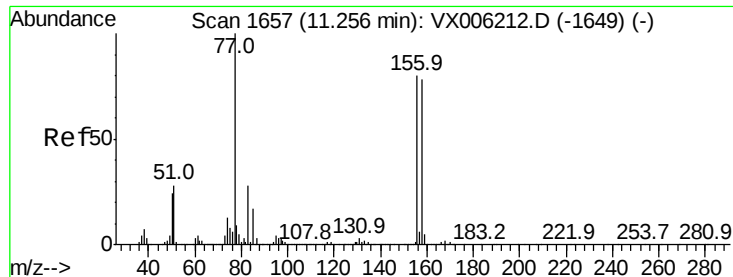
77 39.2 19.9 59.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.421 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX006293.D

Acq: 05 Dec 2018 11:58

Instrument :

MSVOA_X

ClientSampleId :

VX1205MBS01

Tot Ion:156 Resp: 185685

Ion Ratio Lower Upper

156 100

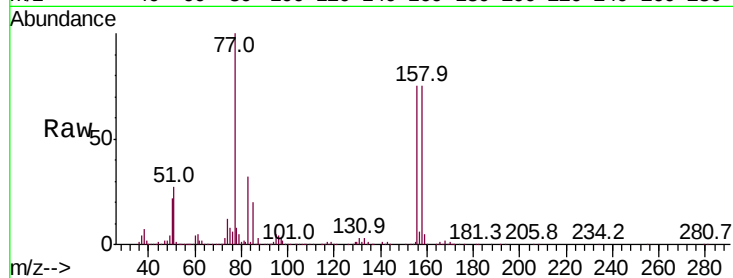
77 133.2 66.2 198.6

158 97.2 48.8 146.4

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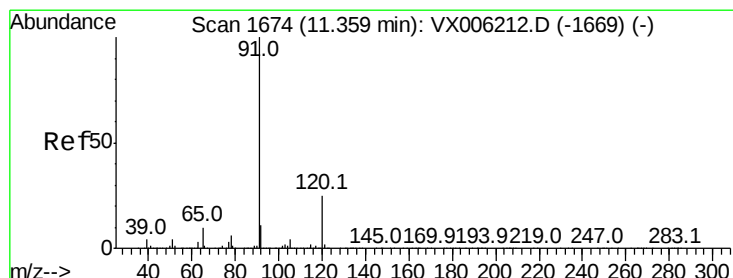
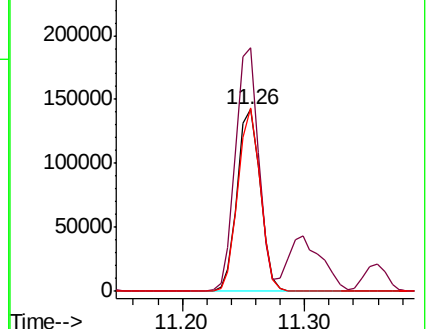
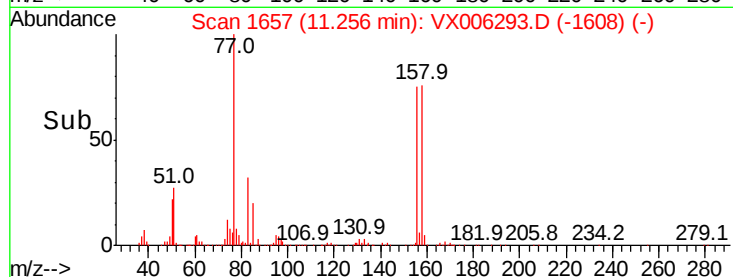
12/7/2018 10:41:56 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.368 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX006293.D

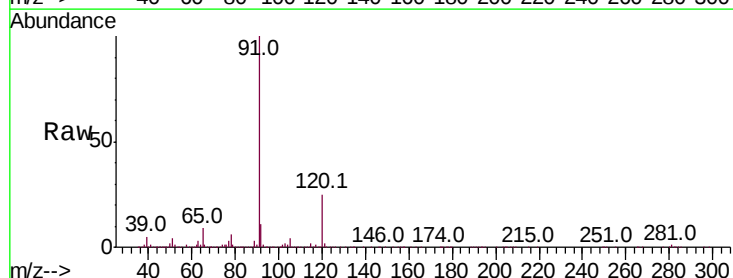
Acq: 05 Dec 2018 11:58

Tgt Ion: 91 Resp: 741850

Ion Ratio Lower Upper

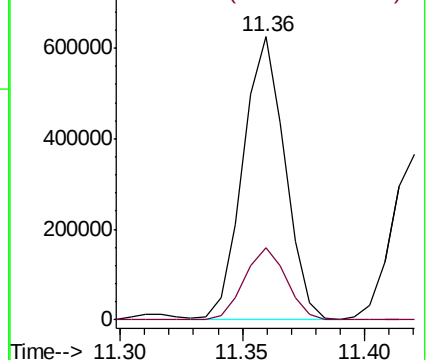
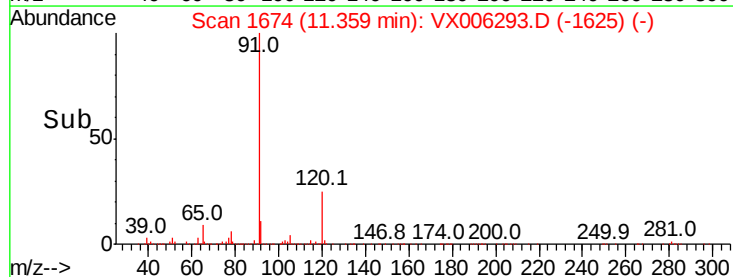
91 100

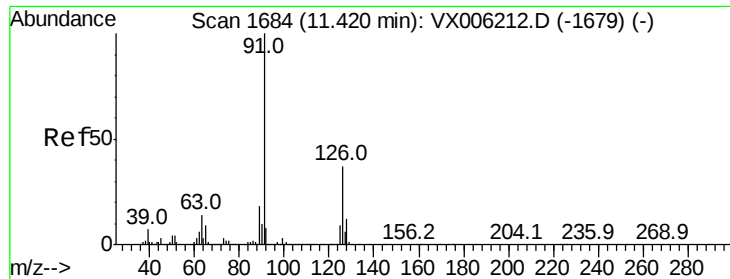
120 25.7 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.752 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX006293.D

Acq: 05 Dec 2018 11:58

Instrument :

MSVOA_X

ClientSampleId :

VX1205MBS01

Tot Ion: 91 Resp: 449219

Ion Ratio Lower Upper

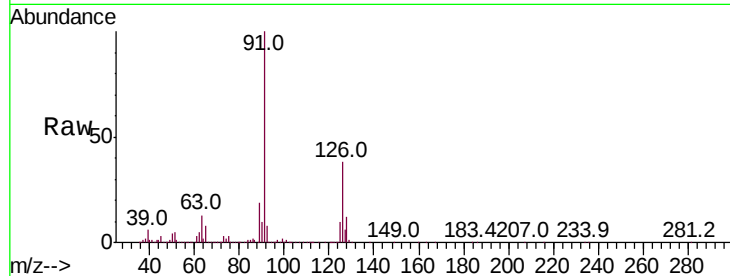
91 100

126 37.6 18.6 56.0

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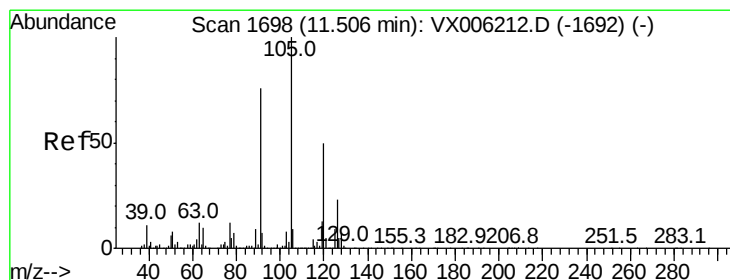
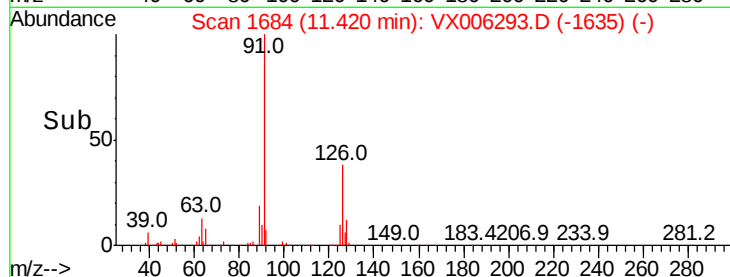
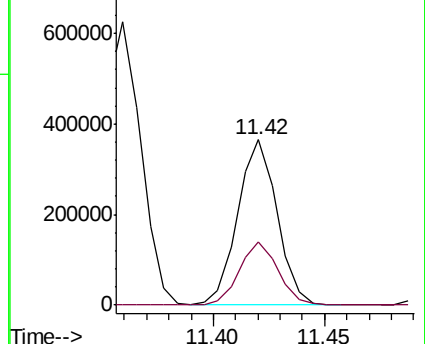
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.769 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX006293.D

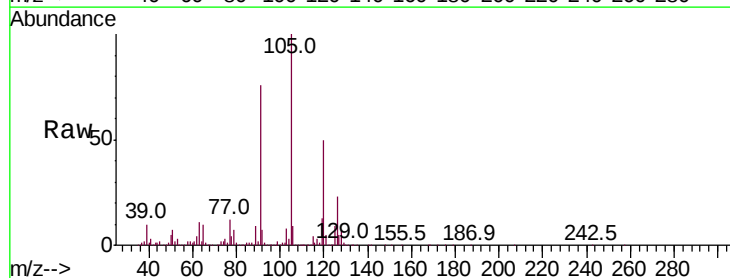
Acq: 05 Dec 2018 11:58

Tgt Ion:105 Resp: 566180

Ion Ratio Lower Upper

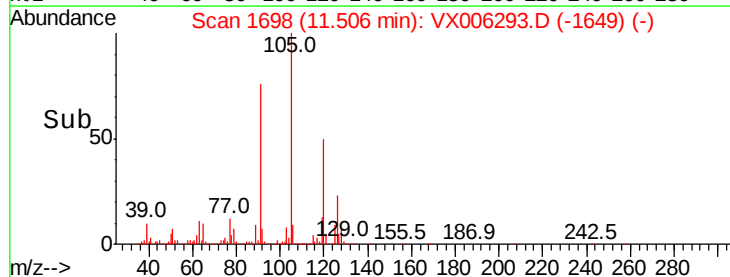
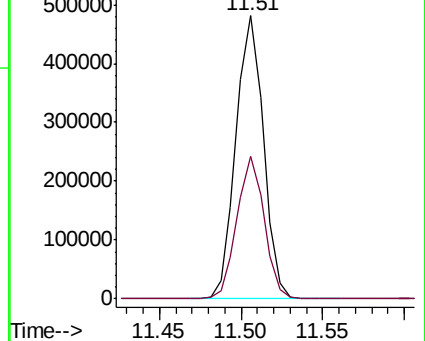
105 100

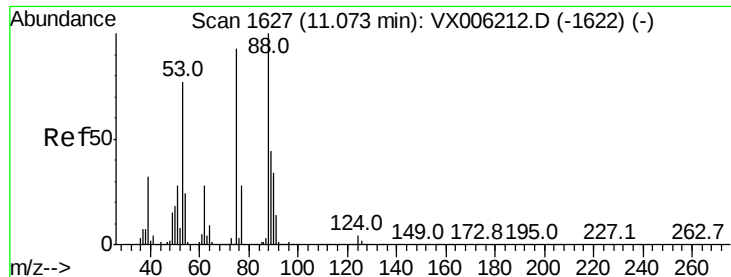
120 49.8 25.4 76.0



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: 18.583 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX006293.D

Acq: 05 Dec 2018 11:58

Instrument :

MSVOA_X

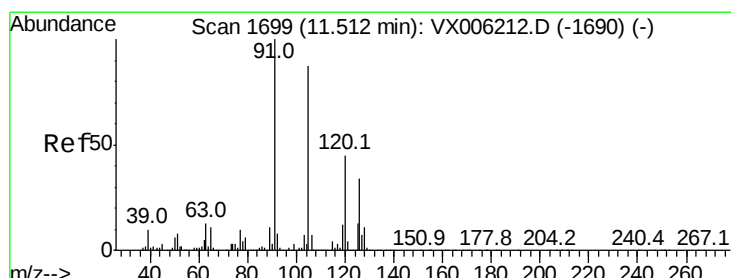
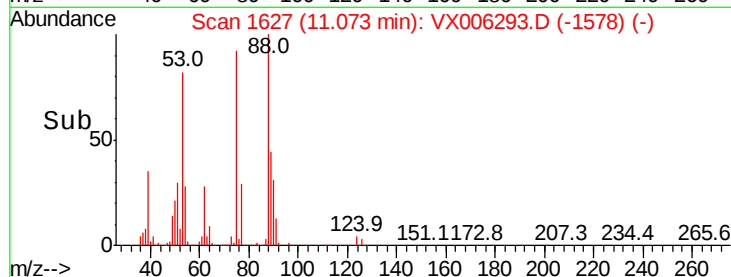
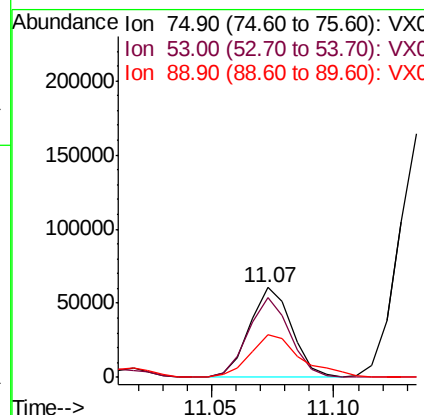
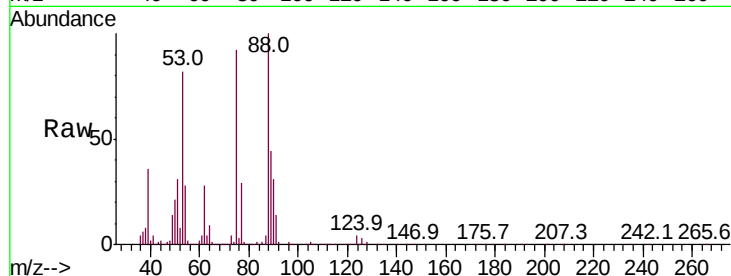
ClientSampleId :

VX1205MBS01

Tot Ion:	75	Resp:	72515
Ion Ratio	Lower	Upper	
75	100		
53	88.8	64.4	96.6
89	57.6	44.2	66.4

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#82

4-Chlorotoluene

Concen: 20.180 ug/l

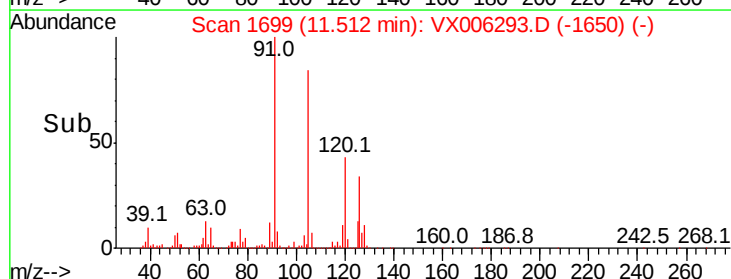
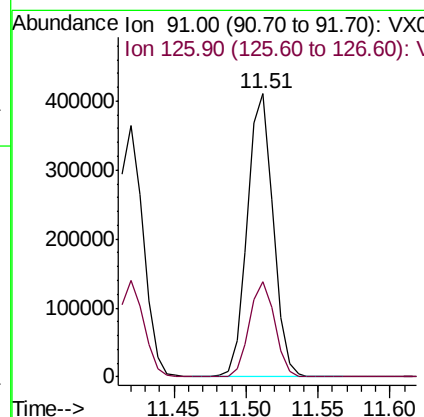
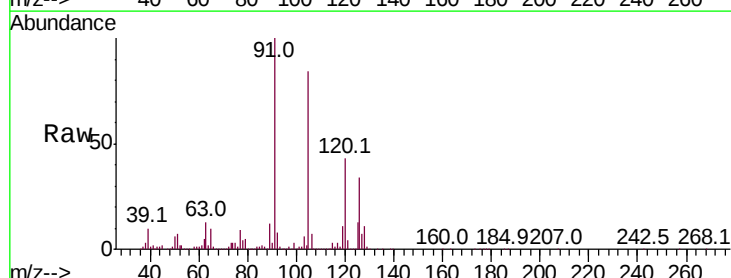
RT: 11.51 min Scan# 1699

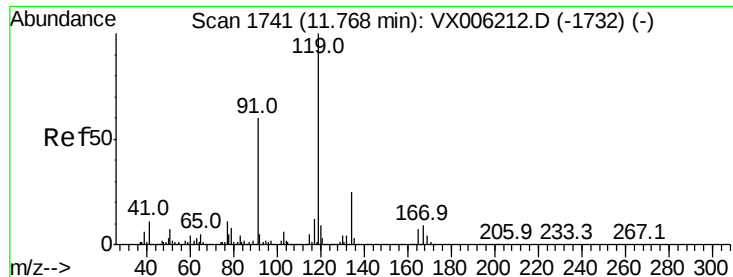
Delta R.T. 0.00 min

Lab File: VX006293.D

Acq: 05 Dec 2018 11:58

Tgt Ion:	91	Resp:	507908
Ion Ratio	Lower	Upper	
91	100		
126	33.1	16.4	49.4





#83

tert-Butylbenzene

Concen: 20.660 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX006293.D

Acq: 05 Dec 2018 11:58

Instrument :

MSVOA_X

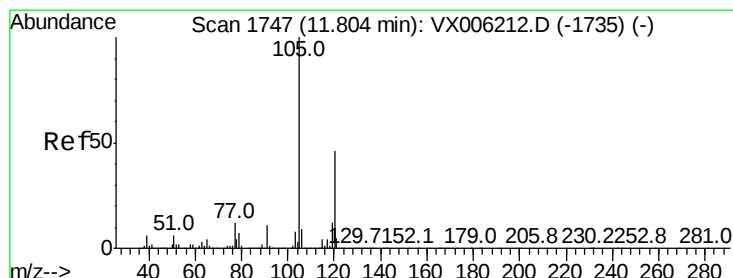
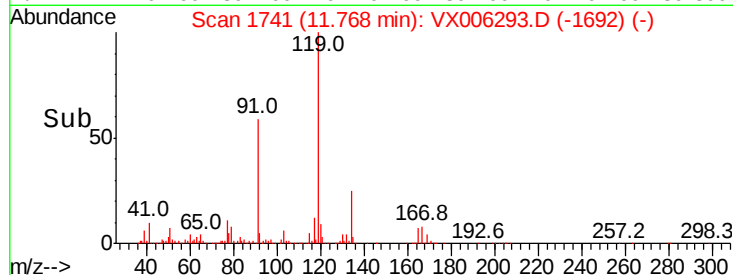
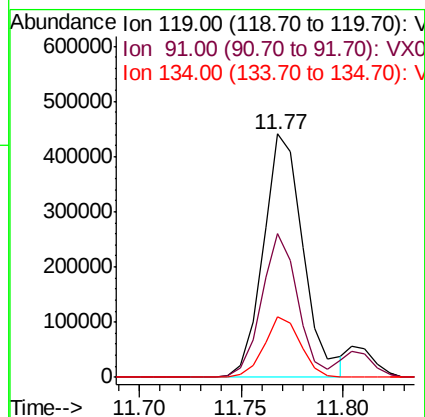
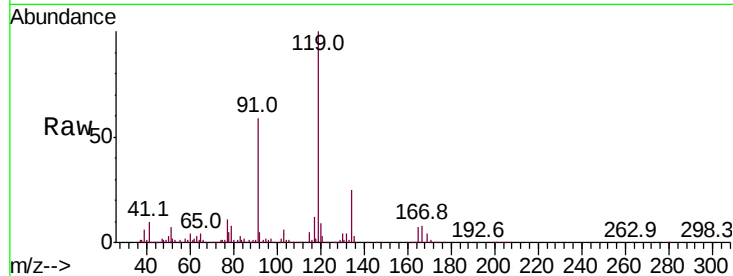
ClientSampleId :

VX1205MBS01

Tot Ion:	119	Resp:	600927
Ion Ratio	Lower	Upper	
119	100		
91	53.2	26.4	79.2
134	22.8	11.6	34.7

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 20.264 ug/l

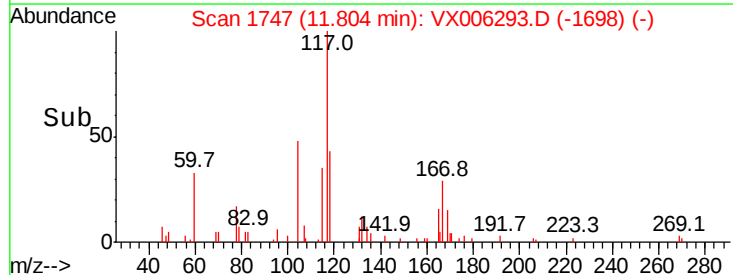
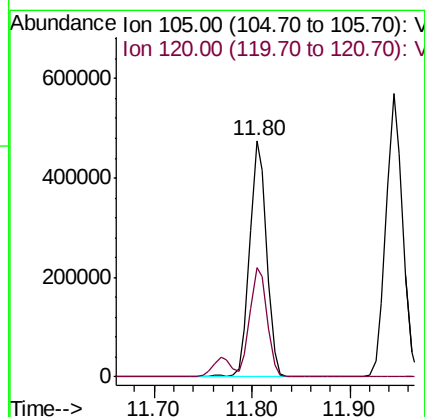
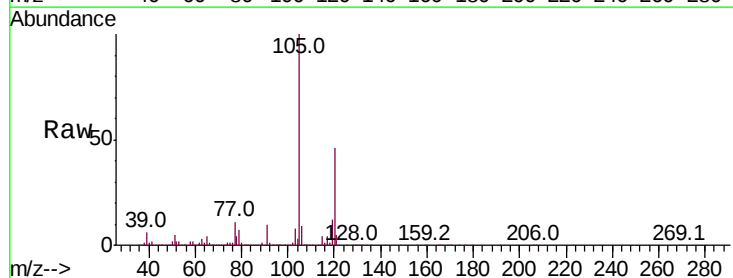
RT: 11.80 min Scan# 1747

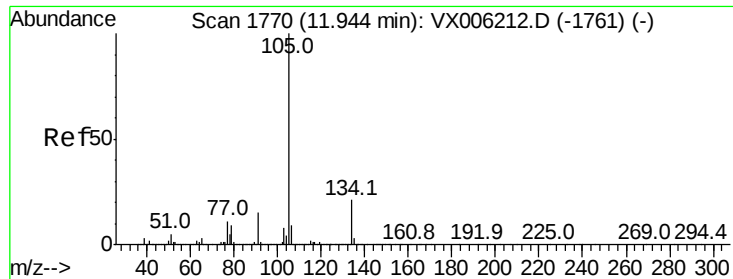
Delta R.T. 0.00 min

Lab File: VX006293.D

Acq: 05 Dec 2018 11:58

Tgt Ion:	105	Resp:	570443
Ion Ratio	Lower	Upper	
105	100		
120	46.9	23.4	70.0





#85

sec-Butylbenzene

Concen: 20.447 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX006293.D

Acq: 05 Dec 2018 11:58

Instrument :

MSVOA_X

ClientSampleId :

VX1205MBS01

Tot Ion:105 Resp: 676592

Ion Ratio Lower Upper

105 100

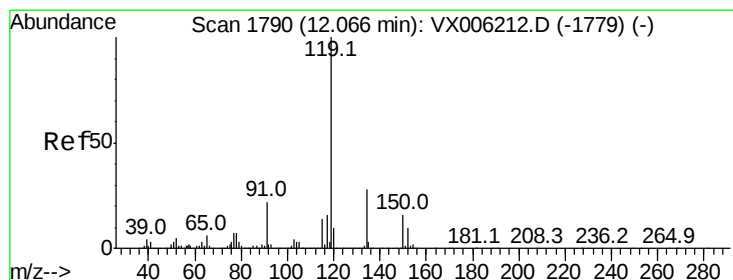
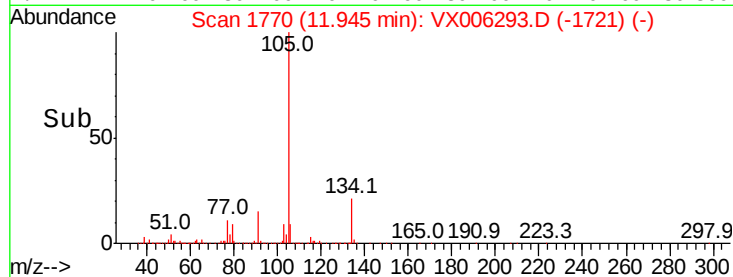
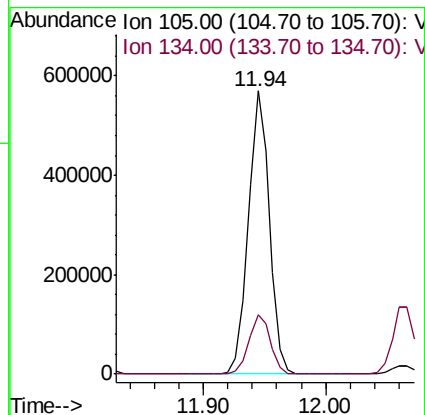
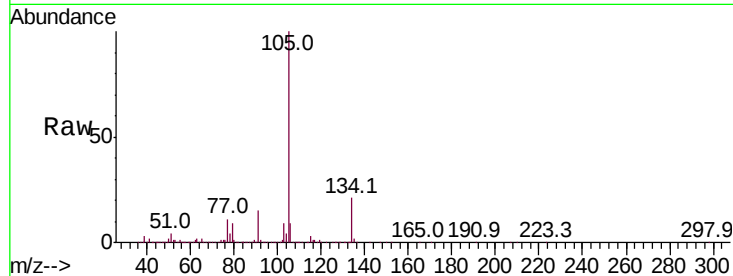
134 21.7 10.8 32.4

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 20.229 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.01 min

Lab File: VX006293.D

Acq: 05 Dec 2018 11:58

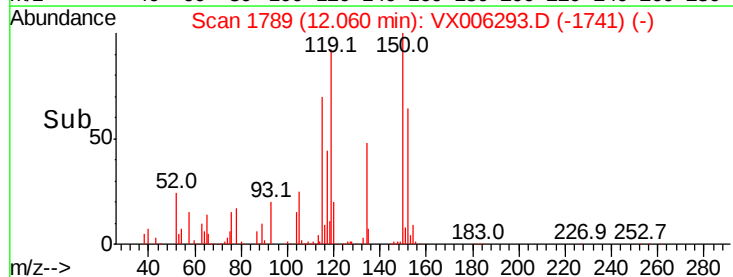
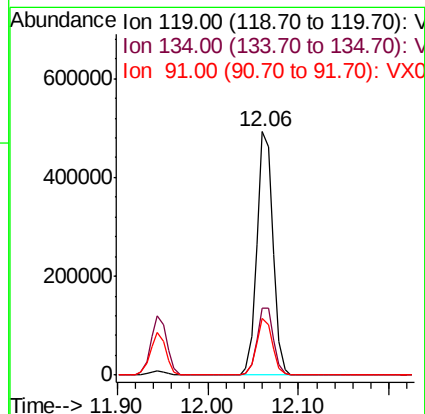
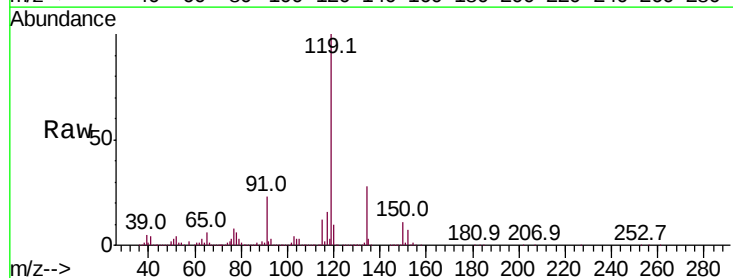
Tgt Ion:119 Resp: 602762

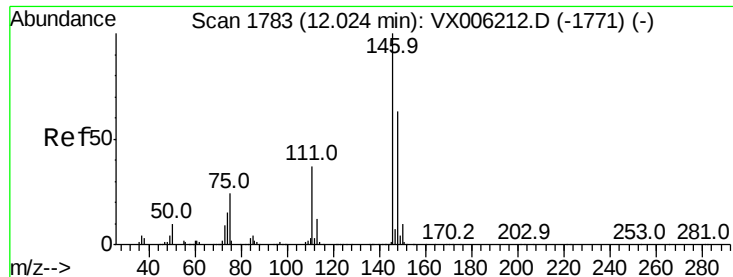
Ion Ratio Lower Upper

119 100

134 28.0 13.9 41.6

91 22.8 11.3 33.8





#87

1,3-Dichlorobenzene

Concen: 19.934 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX006293.D

Acq: 05 Dec 2018 11:58

Instrument :

MSVOA_X

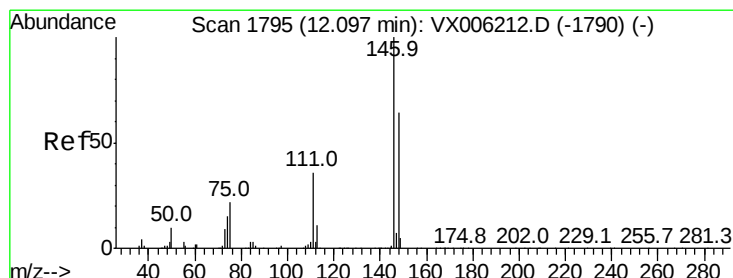
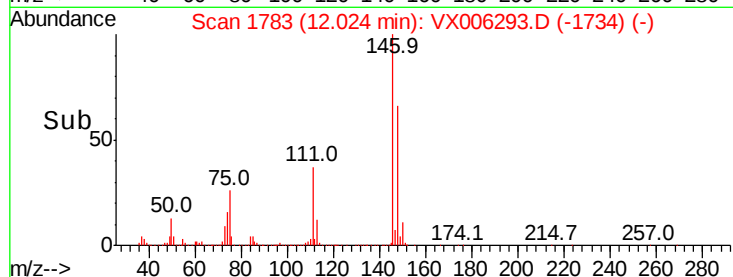
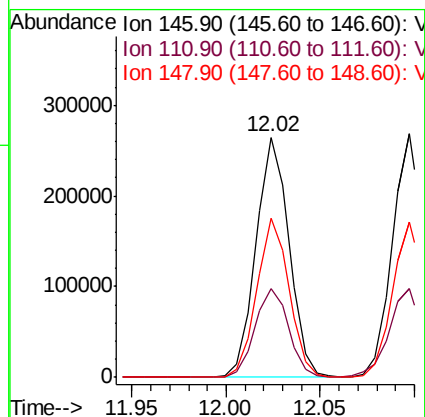
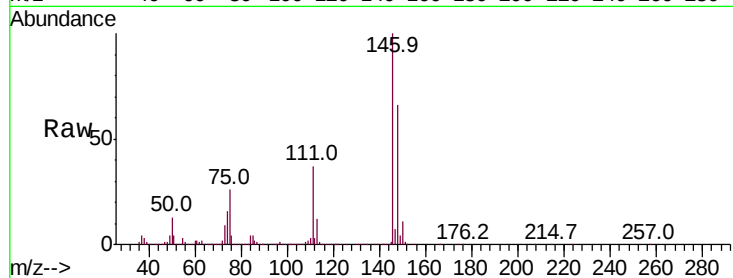
ClientSampleId :

VX1205MBS01

Tot Ion:	146	Resp:	322514
Ion Ratio	Lower	Upper	
146	100		
111	37.5	18.4	55.2
148	64.6	32.0	96.0

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#88

1,4-Dichlorobenzene

Concen: 19.545 ug/l

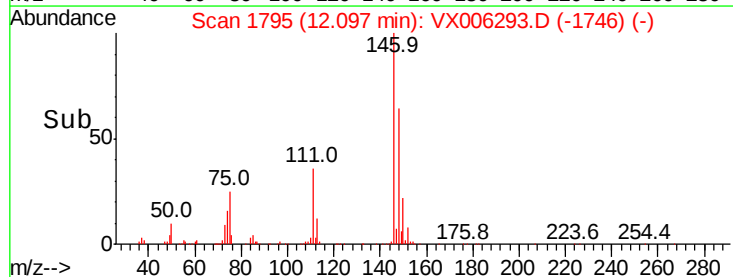
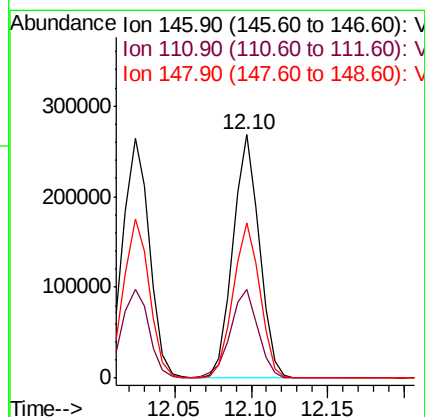
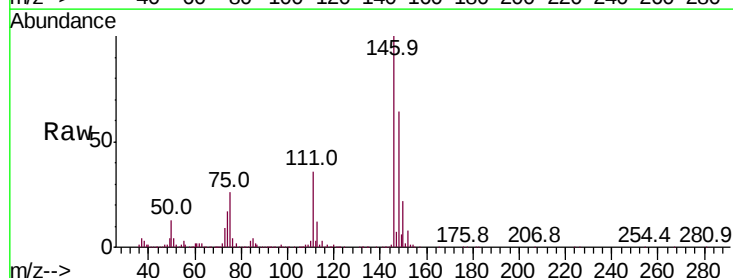
RT: 12.10 min Scan# 1795

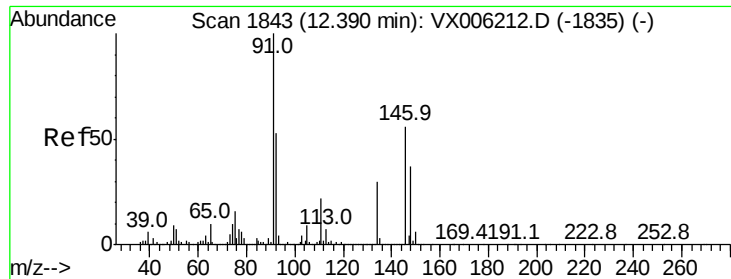
Delta R.T. 0.00 min

Lab File: VX006293.D

Acq: 05 Dec 2018 11:58

Tgt Ion:	146	Resp:	320961
Ion Ratio	Lower	Upper	
146	100		
111	38.1	18.3	54.8
148	64.6	31.9	95.9





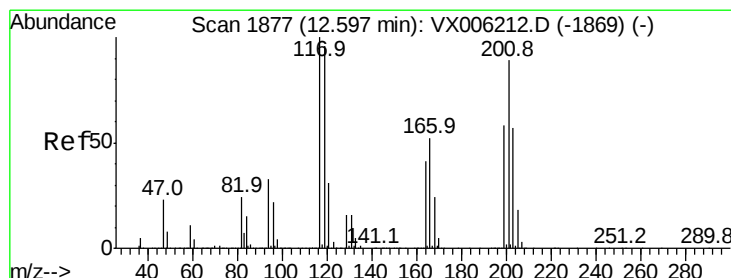
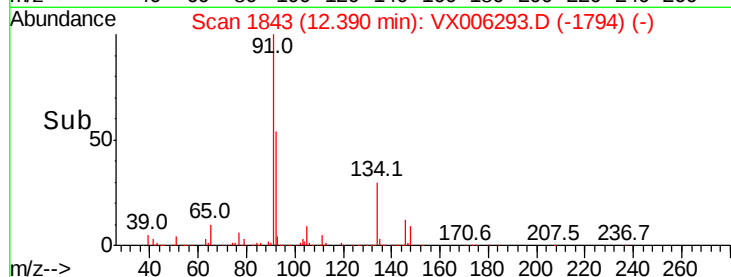
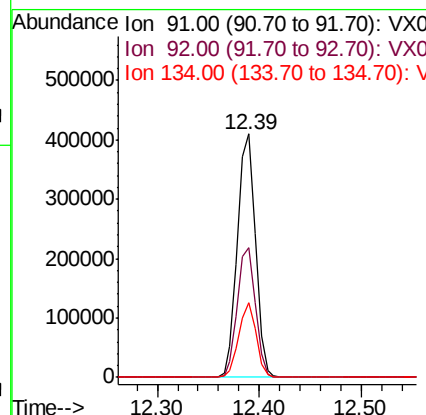
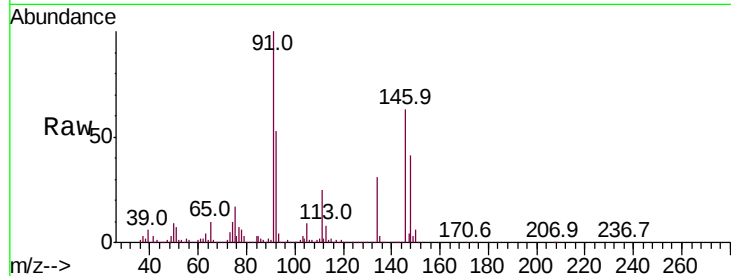
#89
n-Butylbenzene
Concen: 19.563 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX006293.D
Acq: 05 Dec 2018 11:58

Instrument :
MSVOA_X
ClientSampleId :
VX1205MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.6	79.8
134	29.1	14.8	44.3

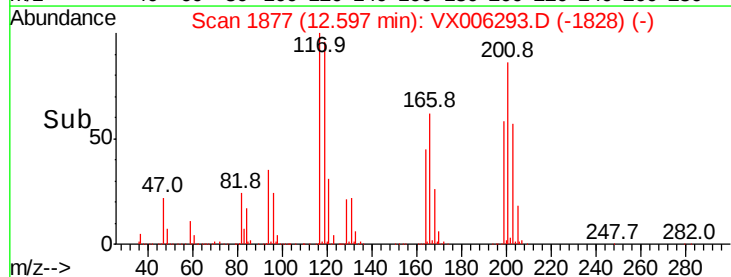
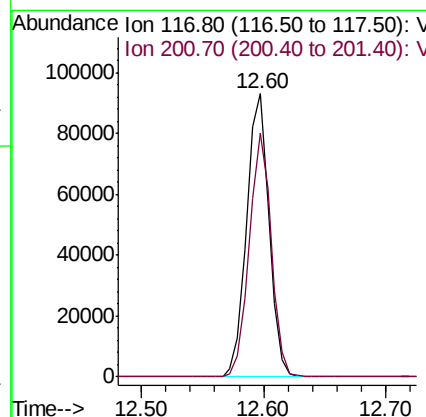
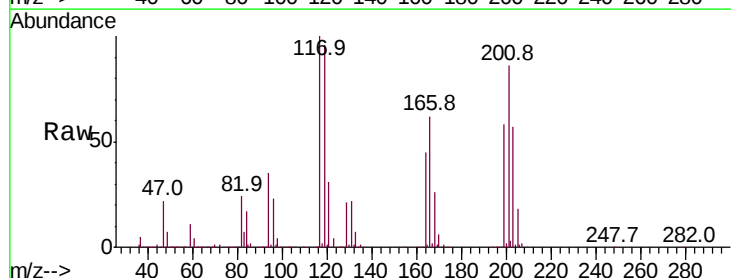
Manual Integrations
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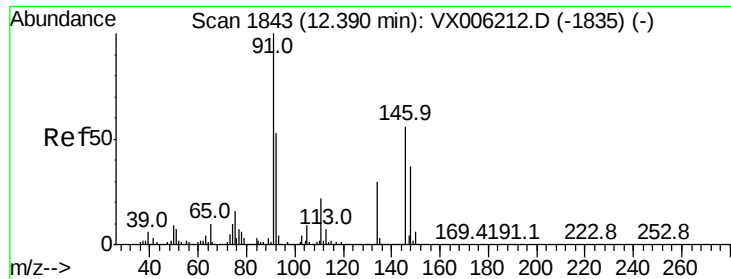
MMDadoda
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#90
Hexachloroethane
Concen: 19.454 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX006293.D
Acq: 05 Dec 2018 11:58

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.4	44.7	134.1





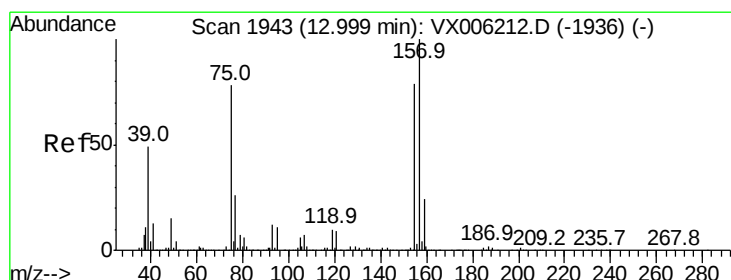
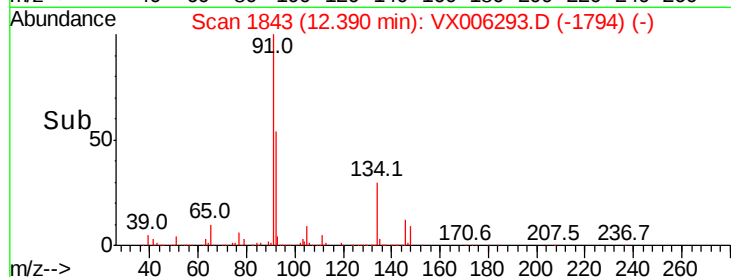
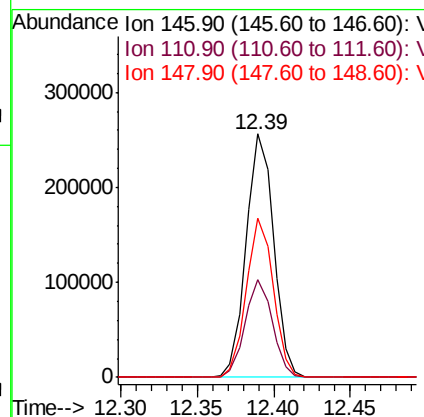
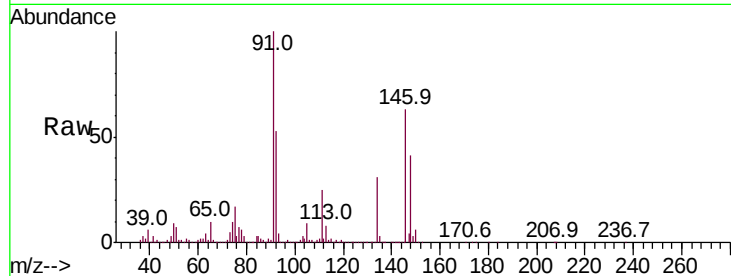
#91
 1,2-Dichlorobenzene
 Concen: 20.026 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX006293.D
 Acq: 05 Dec 2018 11:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1205MBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	321575		
111	39.6	19.1	57.3	
148	64.1	32.1	96.3	

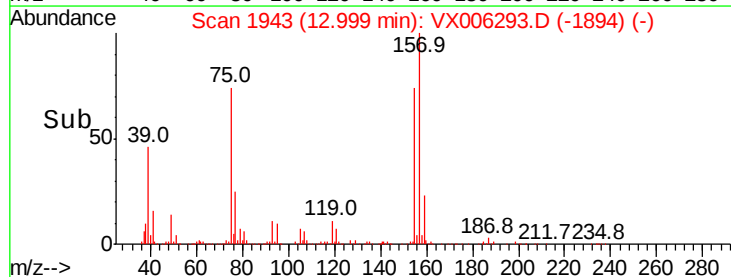
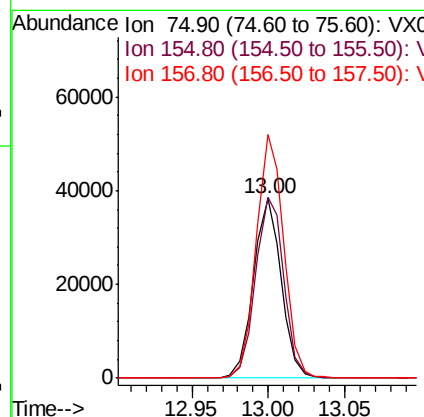
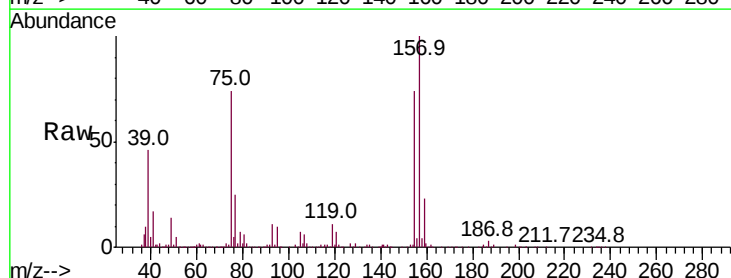
Manual Integrations
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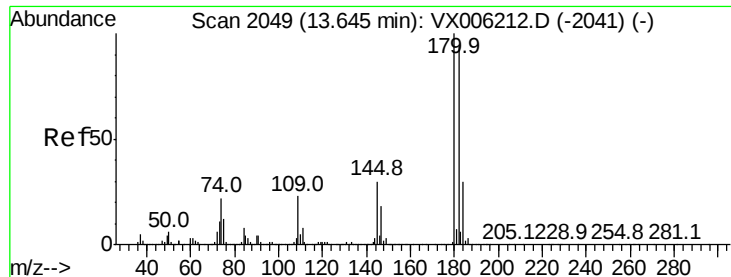
MMDadoda
 12/7/2018 10:41:56 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.067 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX006293.D
 Acq: 05 Dec 2018 11:58

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	48547		
155	102.4	53.4	160.3	
157	133.8	68.0	203.8	





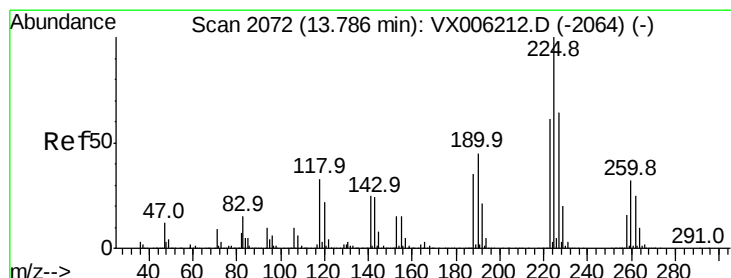
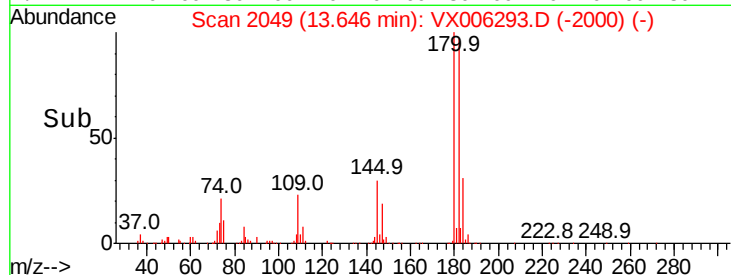
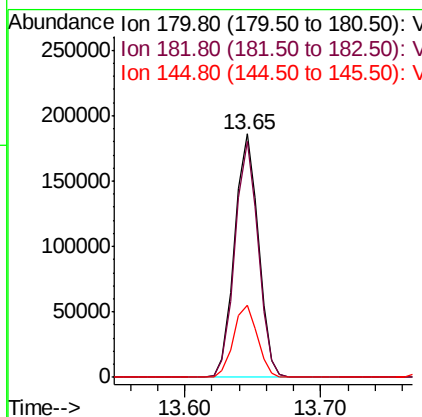
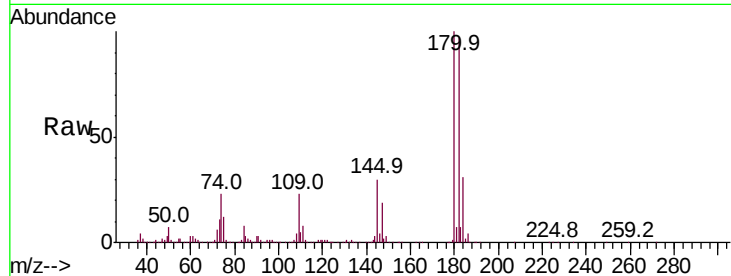
#93
 1,2,4-Trichlorobenzene
 Concen: 19.361 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX006293.D
 Acq: 05 Dec 2018 11:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1205MBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.6	47.3	141.9	
145	29.9	14.6	43.8	

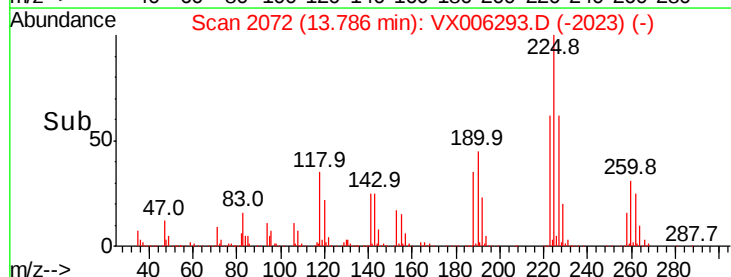
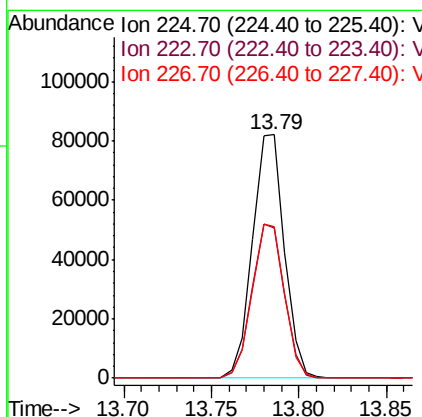
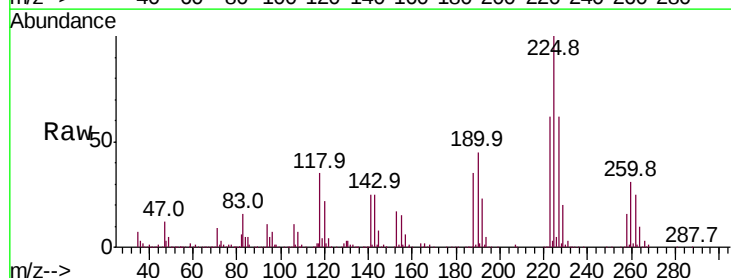
Manual Integrations
 APPROVED

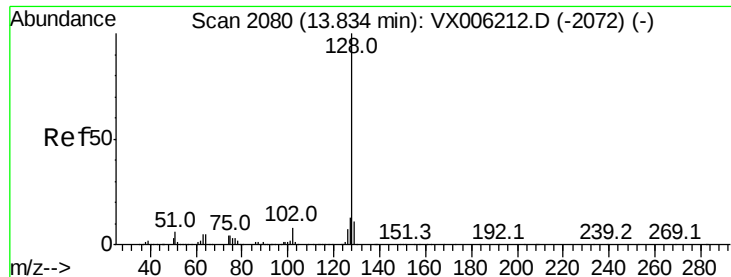
MMDadoda
 12/7/2018 10:41:56 AM



#94
 Hexachlorobutadiene
 Concen: 20.158 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VX006293.D
 Acq: 05 Dec 2018 11:58

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	64.3	31.2	93.6	
227	63.8	31.9	95.5	





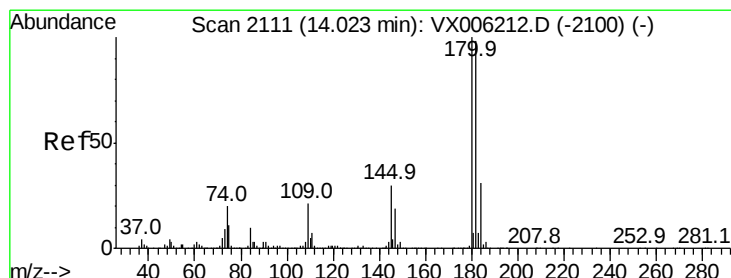
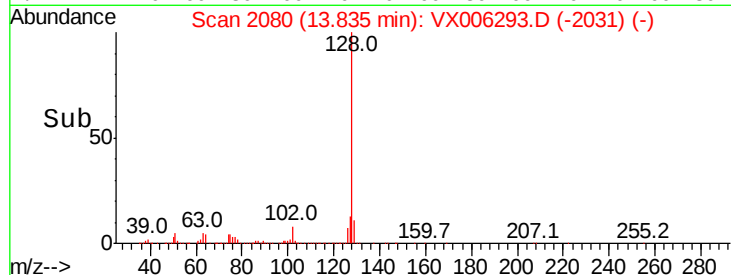
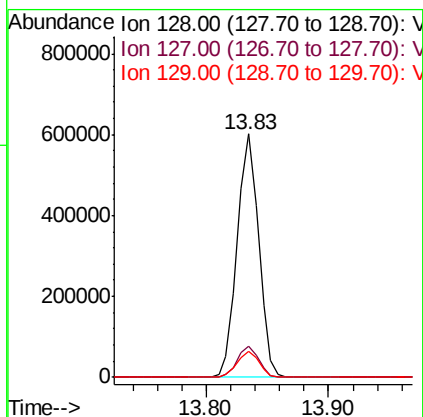
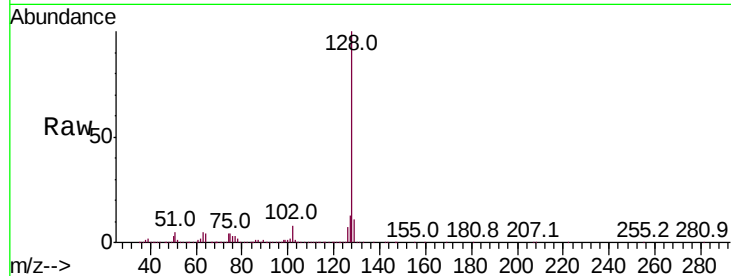
#95
Naphthalene
Concen: 20.008 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX006293.D
Acq: 05 Dec 2018 11:58

Instrument :
MSVOA_X
ClientSampleId :
VX1205MBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	10.9	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
12/7/2018 10:41:56 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.441 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.01 min
Lab File: VX006293.D
Acq: 05 Dec 2018 11:58

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	48.4	145.2
145	32.2	15.6	46.8

