

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX010219\
 Data File : VX006879.D
 Acq On : 02 Jan 2019 14:18
 Operator : JC/MD
 Sample : VX0102MBSD01
 Misc : 5.00µL/100µL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0102MBSD01

Manual Integrations
 APPROVED

MMDadoda
 1/3/2019 9:43:21 AM

Quant Time: Jan 03 00:49:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	706079	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	990066	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	914568	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	490959	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	407488	53.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.10%	
35) Dibromofluoromethane	5.50	113	367718	58.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.46%	
50) Toluene-d8	8.71	98	1360084	57.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.24%	
62) 4-Bromofluorobenzene	11.13	95	512285	59.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.52%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.20	85	95538	14.791	ug/l 96
3) Chloromethane	1.32	50	109255	15.700	ug/l 98
4) Vinyl Chloride	1.41	62	119740	16.475	ug/l 100
5) Bromomethane	1.64	94	116113	15.809	ug/l 98
6) Chloroethane	1.71	64	78635	15.625	ug/l 98
7) Trichlorofluoromethane	1.93	101	193235	17.053	ug/l 96
8) Diethyl Ether	2.19	74	77466	17.212	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	122436	18.402	ug/l 99
10) Methyl Iodide	2.51	142	161831	16.992	ug/l 100
11) Tert butyl alcohol	3.07	59	146319	86.156	ug/l 100
12) 1,1-Dichloroethene	2.37	96	107041	16.967	ug/l 97
13) Acrolein	2.29	56	94588	82.560	ug/l 98
14) Allyl chloride	2.73	41	185891	17.506	ug/l 99
15) Acrylonitrile	3.15	53	338806	89.851	ug/l 99
16) Acetone	2.45	43	316393	90.497	ug/l 99
17) Carbon Disulfide	2.57	76	214981	12.877	ug/l 100
18) Methyl Acetate	2.78	43	200691	19.522	ug/l 99
19) Methyl tert-butyl Ether	3.20	73	396833	18.952	ug/l 99
20) Methylene Chloride	2.85	84	127742	17.670	ug/l 98
21) trans-1,2-Dichloroethene	3.17	96	112167	16.047	ug/l 96
22) Diisopropyl ether	3.87	45	365690	18.824	ug/l 96
23) Vinyl Acetate	3.82	43	1444321	90.893	ug/l 99
24) 1,1-Dichloroethane	3.70	63	210449	18.147	ug/l 99
25) 2-Butanone	4.70	43	441051	89.684	ug/l 96
26) 2,2-Dichloropropane	4.59	77	157591	17.592	ug/l 99
27) cis-1,2-Dichloroethene	4.59	96	132693	17.206	ug/l 97
28) Bromochloromethane	5.01	49	115183	22.544	ug/l 94
29) Tetrahydrofuran	5.15	42	274579	84.772	ug/l 98
30) Chloroform	5.21	83	208394	17.353	ug/l 100
31) Cyclohexane	5.57	56	171813	16.308	ug/l 97
32) 1,1,1-Trichloroethane	5.49	97	177652	17.519	ug/l 98
36) 1,1-Dichloropropene	5.79	75	151069	18.423	ug/l 99
37) Ethyl Acetate	4.85	43	164639	19.290	ug/l 99
38) Carbon Tetrachloride	5.78	117	151520	19.013	ug/l 93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	187204	17.341	ug/l	96
40) Benzene	6.14	78	462506	18.556	ug/l	100
41) Methacrylonitrile	5.05	41	92139	20.334	ug/l	99
42) 1,2-Dichloroethane	6.20	62	156647	18.443	ug/l	100
43) Isopropyl Acetate	6.46	43	263016	20.254	ug/l	98
44) Trichloroethene	7.21	130	135937	18.019	ug/l	96
45) 1,2-Dichloropropane	7.51	63	119646	19.725	ug/l	96
46) Dibromomethane	7.66	93	82753	18.548	ug/l	97
47) Bromodichloromethane	7.90	83	138369	18.680	ug/l	95
48) Methyl methacrylate	7.77	41	133312	20.187	ug/l	96
49) 1,4-Dioxane	7.75	88	60213	335.273	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	847252	102.541	ug/l	99
52) Toluene	8.78	92	303004	18.817	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	154801	19.486	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	171369	19.660	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	131454	19.944	ug/l	98
56) Ethyl methacrylate	9.18	69	189564	20.349	ug/l	96
57) 1,3-Dichloropropane	9.37	76	202388	19.085	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	562012	113.493	ug/l	100
59) 2-Hexanone	9.49	43	646774	102.308	ug/l	98
60) Dibromochloromethane	9.58	129	116457	18.432	ug/l	99
61) 1,2-Dibromoethane	9.67	107	136318	19.456	ug/l	99
64) Tetrachloroethene	9.34	164	140868	19.452	ug/l	96
65) Chlorobenzene	10.13	112	360626	18.638	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	126157	20.898	ug/l	96
67) Ethyl Benzene	10.25	91	599600	18.965	ug/l	100
68) m/p-Xylenes	10.36	106	474187	38.008	ug/l	100
69) o-Xylene	10.69	106	234279	19.017	ug/l	99
70) Styrene	10.71	104	376457	19.315	ug/l	99
71) Bromoform	10.85	173	88127	19.201	ug/l	100
73) Isopropylbenzene	11.02	105	627926	18.695	ug/l	99
74) N-amyl acetate	10.90	43	247762	20.608	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.27	83	189904	19.011	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	177435m	19.447	ug/l	
77) Bromobenzene	11.26	156	172203	18.964	ug/l	98
78) n-propylbenzene	11.36	91	698324	18.880	ug/l	100
79) 2-Chlorotoluene	11.42	91	410557	18.317	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	522047	18.870	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	45678	18.178	ug/l	89
82) 4-Chlorotoluene	11.51	91	484347	18.838	ug/l	100
83) tert-Butylbenzene	11.77	119	516293	18.647	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	536423	18.435	ug/l	100
85) sec-Butylbenzene	11.94	105	630523	18.574	ug/l	100
86) p-Isopropyltoluene	12.06	119	571749	19.160	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	306316	18.717	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	305034	18.182	ug/l	97
89) n-Butylbenzene	12.38	91	482546	19.001	ug/l	99
90) Hexachloroethane	12.60	117	77224	18.739	ug/l	94
91) 1,2-Dichlorobenzene	12.39	146	307104	18.759	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	35267	17.063	ug/l	99

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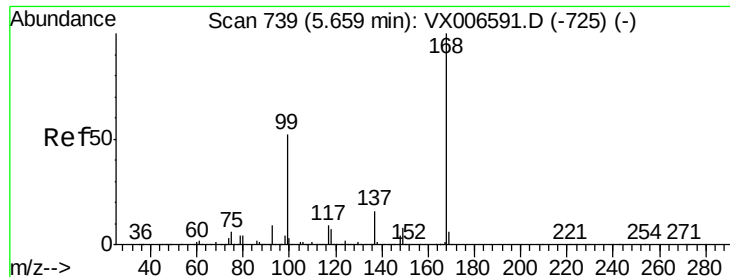
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	214886	19.029	ug/l	99
94) Hexachlorobutadiene	13.78	225	95768	17.992	ug/l	98
95) Naphthalene	13.83	128	620330	17.211	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	210228	18.031	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX006879.D

Acq: 02 Jan 2019 14:18

Instrument :

MSVOA_X

ClientSampleId :

VX0102MBS01

Tot Ion:168 Resp: 706079

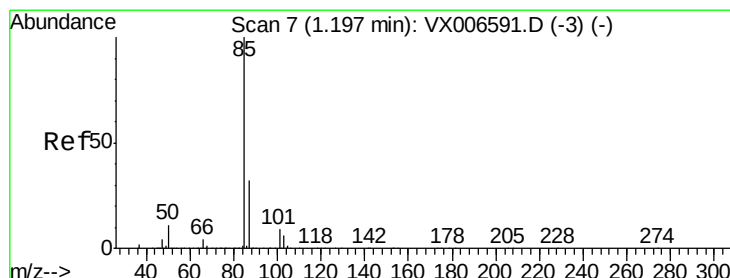
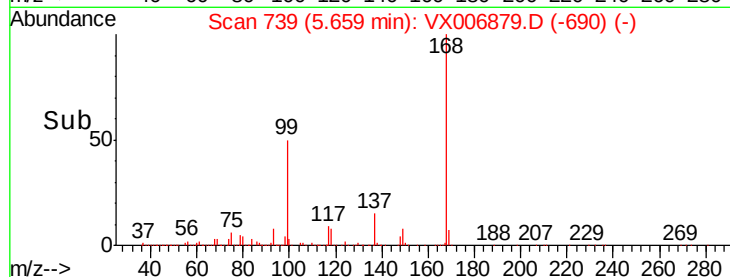
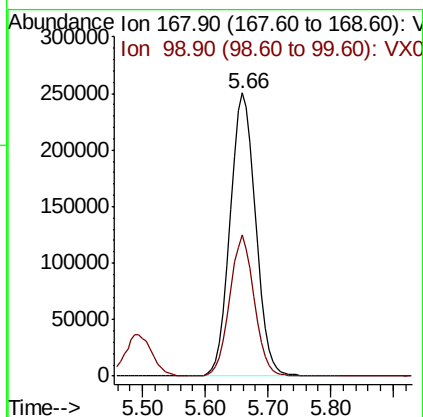
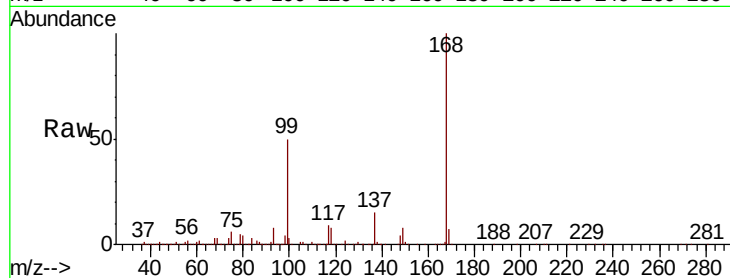
Ion Ratio Lower Upper

168 100

99 49.7 41.8 62.8

Manual Integrations
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1/3/2019 9:43:21 AM



#2

Dichlorodifluoromethane

Concen: 14.791 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX006879.D

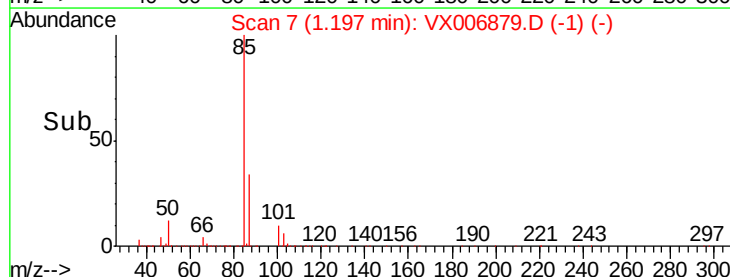
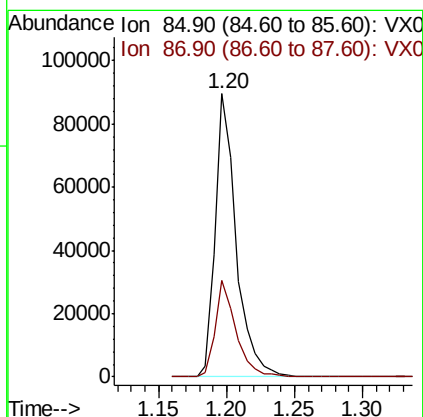
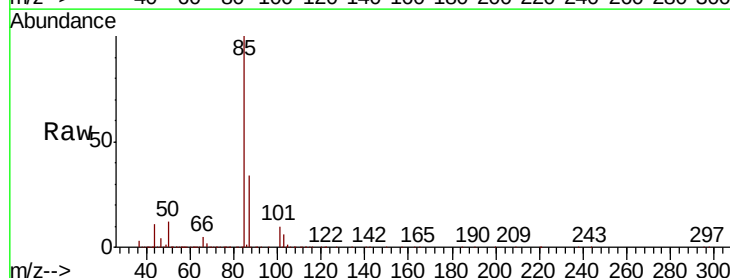
Acq: 02 Jan 2019 14:18

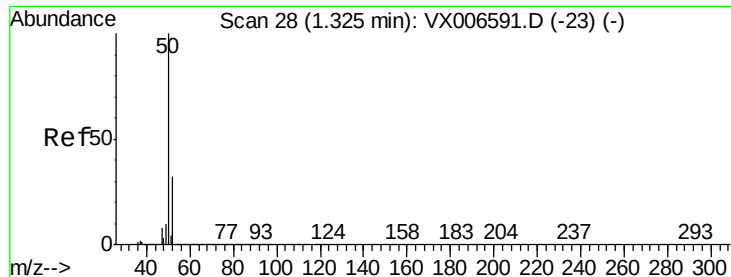
Tgt Ion: 85 Resp: 95538

Ion Ratio Lower Upper

85 100

87 33.9 15.9 47.6





#3

Chloromethane

Concen: 15.700 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX006879.D

Acq: 02 Jan 2019 14:18

Instrument :

MSVOA_X

ClientSampleId :

VX0102MBS01

Tot Ion: 50 Resp: 109255

Ion Ratio Lower Upper

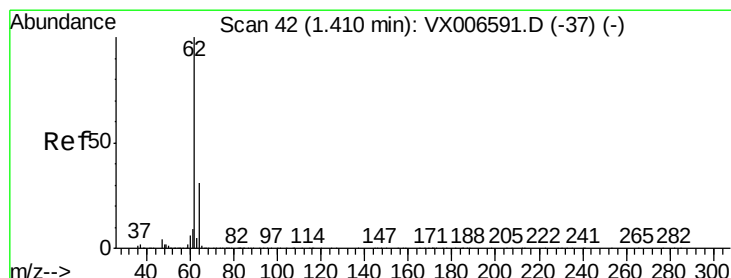
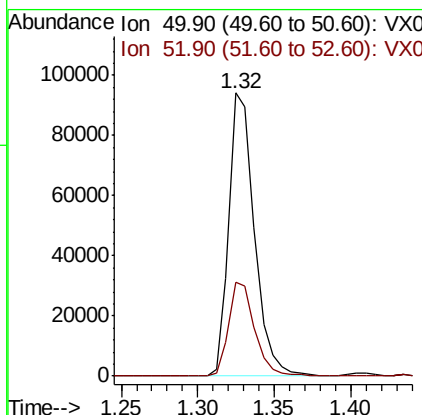
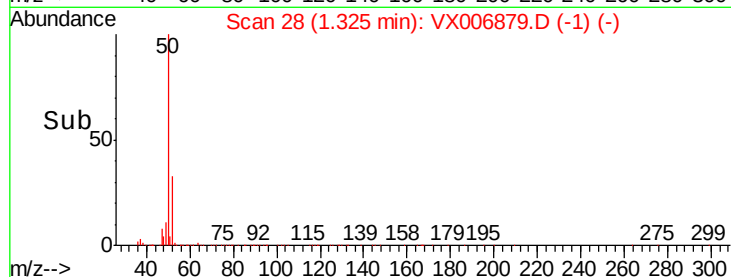
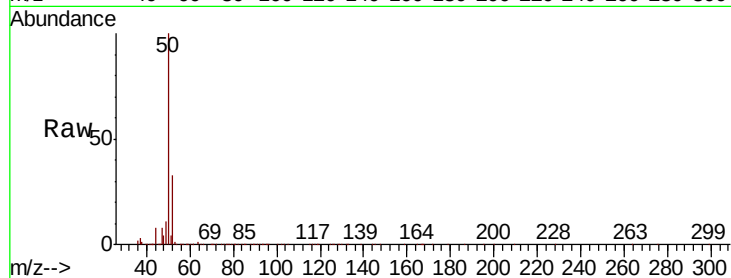
50 100

52 33.1 25.4 38.2

Manual Integrations
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1/3/2019 9:43:21 AM



#4

Vinyl Chloride

Concen: 16.475 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX006879.D

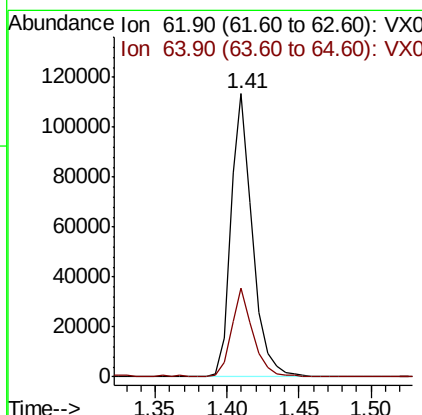
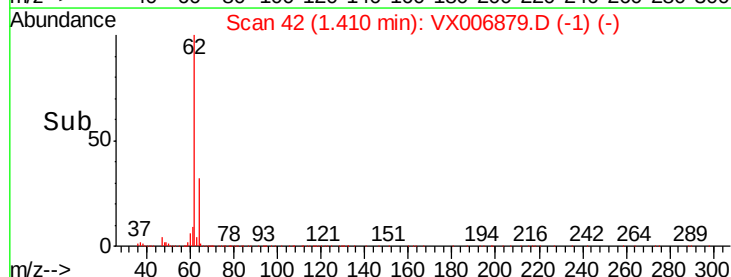
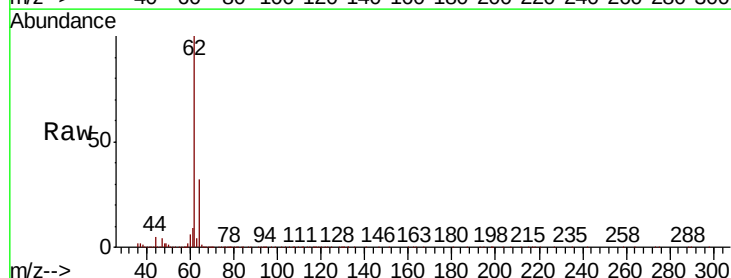
Acq: 02 Jan 2019 14:18

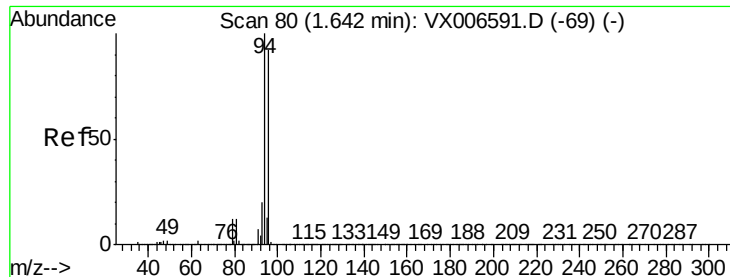
Tgt Ion: 62 Resp: 119740

Ion Ratio Lower Upper

62 100

64 31.3 25.1 37.7





#5

Bromomethane

Concen: 15.809 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX006879.D

Acq: 02 Jan 2019 14:18

Instrument :

MSVOA_X

ClientSampleId :

VX0102MBSD01

Tot Ion: 94 Resp: 116113

Ion Ratio Lower Upper

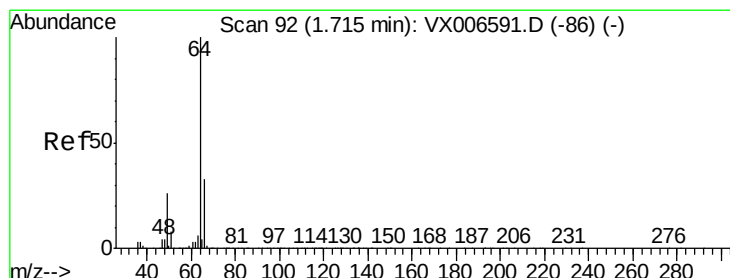
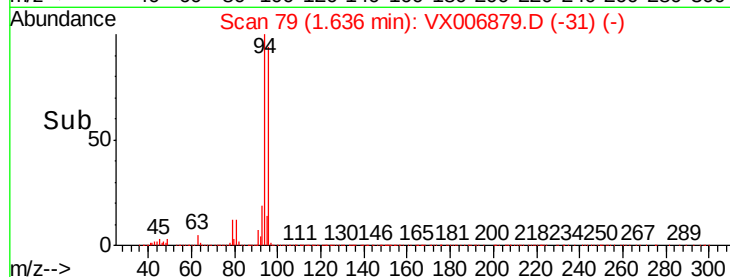
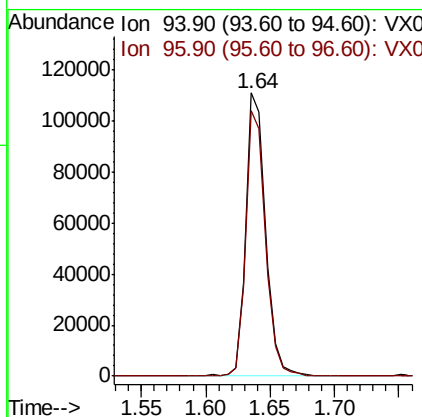
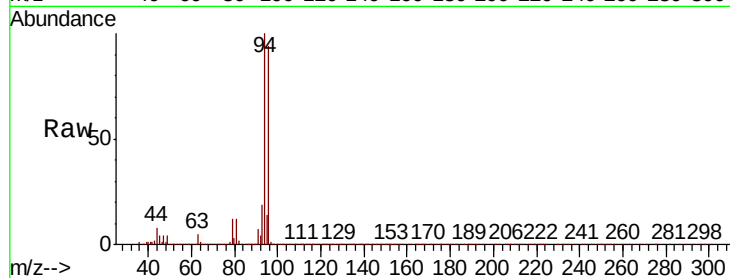
94 100

96 93.9 73.4 110.2

Manual Integrations
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#6

Chloroethane

Concen: 15.625 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX006879.D

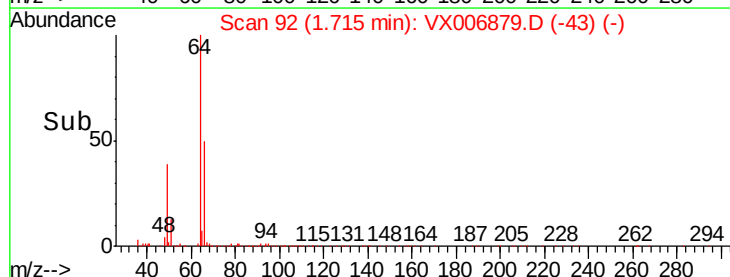
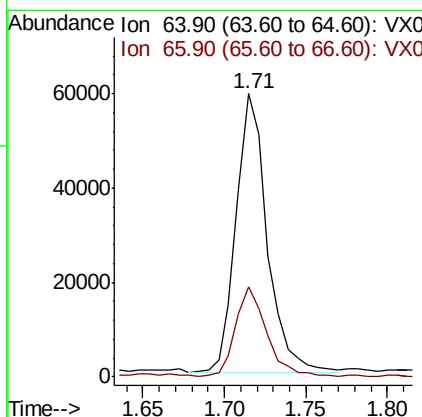
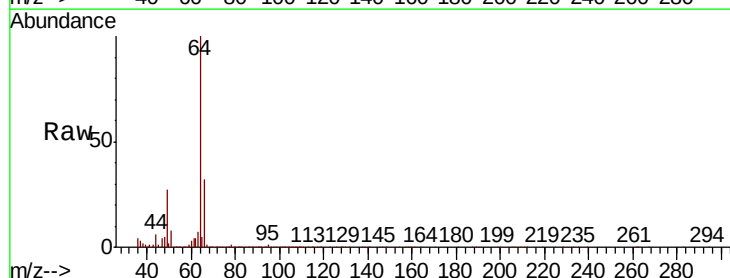
Acq: 02 Jan 2019 14:18

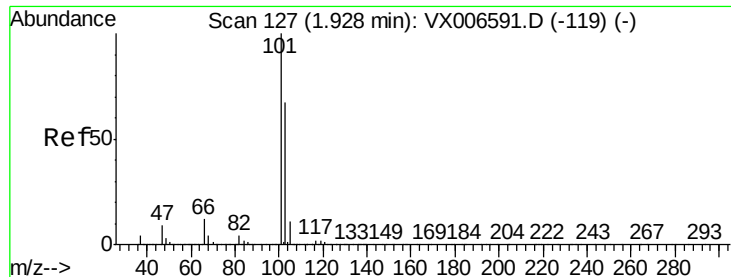
Tgt Ion: 64 Resp: 78635

Ion Ratio Lower Upper

64 100

66 32.1 26.4 39.6





#7

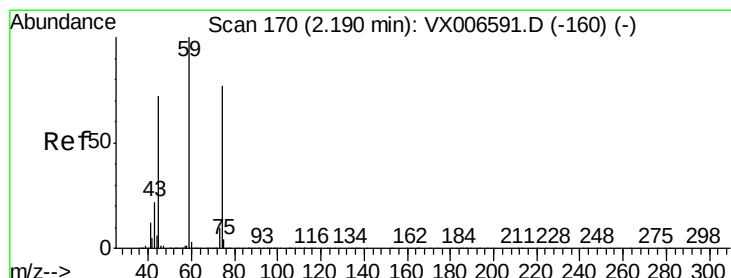
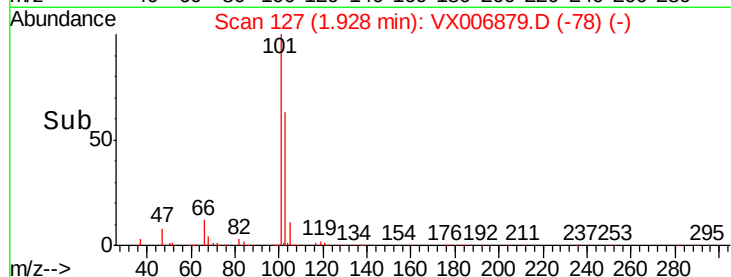
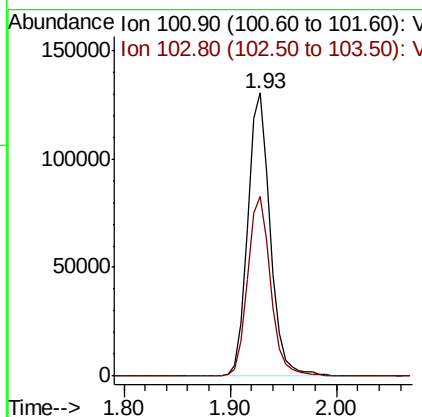
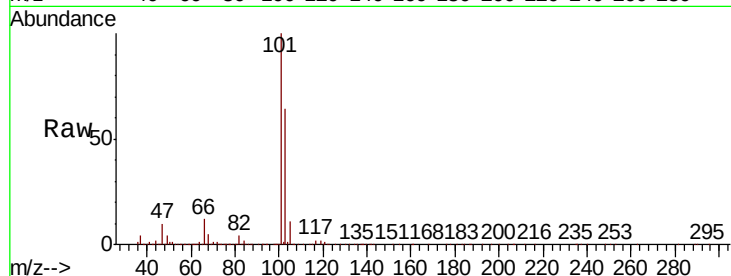
Trichlorofluoromethane
Concen: 17.053 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX006879.D
Acq: 02 Jan 2019 14:18

Instrument :
MSVOA_X
ClientSampleId :
VX0102MBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	53.2	79.8

Manual Integrations
APPROVED

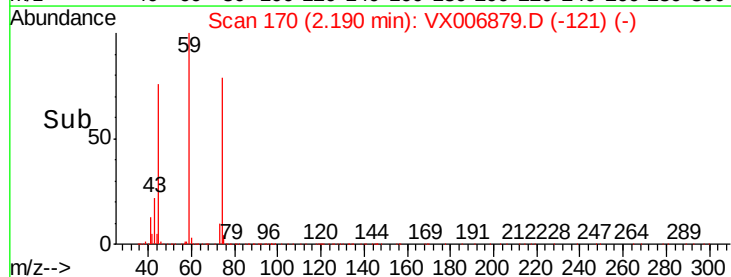
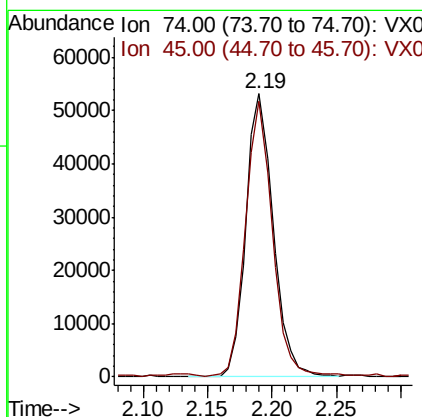
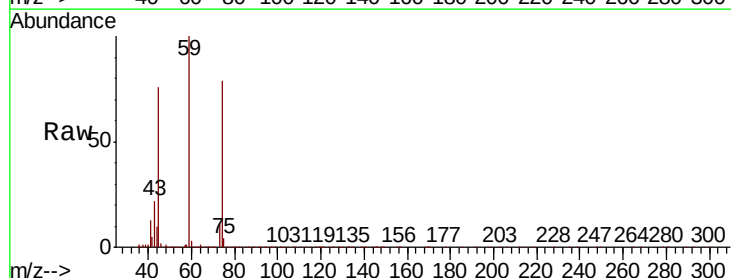
MMDadoda
1/3/2019 9:43:21 AM

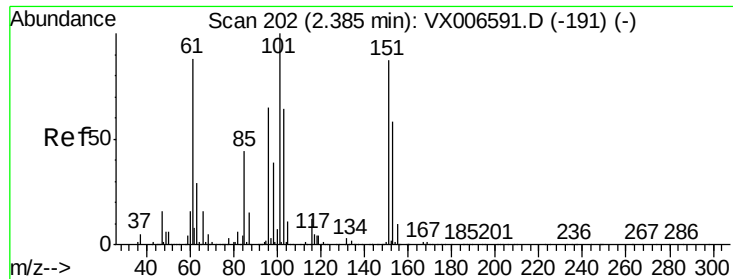


#8

Diethyl Ether
Concen: 17.212 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX006879.D
Acq: 02 Jan 2019 14:18

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.1	46.3	138.9





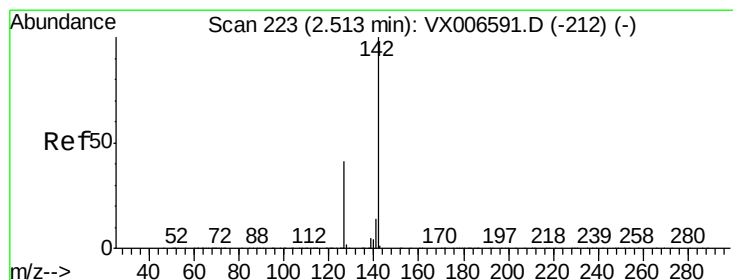
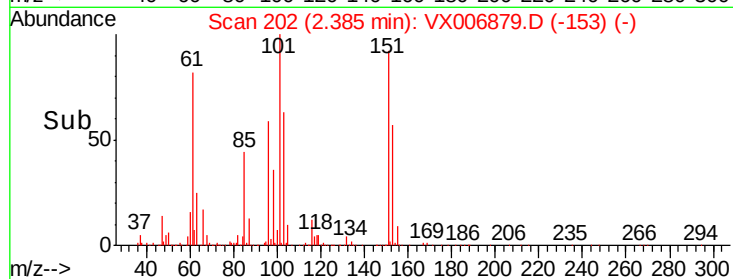
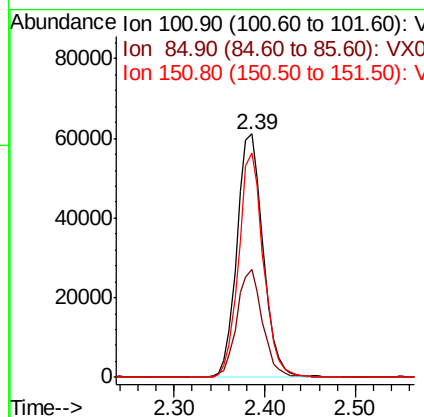
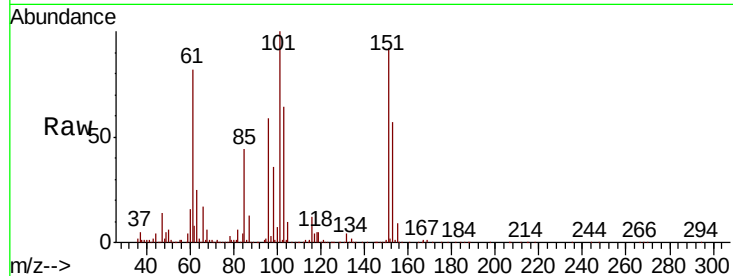
#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.402 ug/l
RT: 2.39 min Scan# 202
Delta R.T. 0.00 min
Lab File: VX006879.D
Acq: 02 Jan 2019 14:18

Instrument :
MSVOA_X
ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	122436		
85	43.6	35.1	52.7	
151	87.5	68.9	103.3	

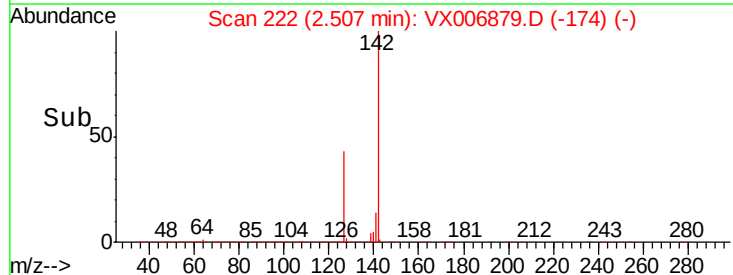
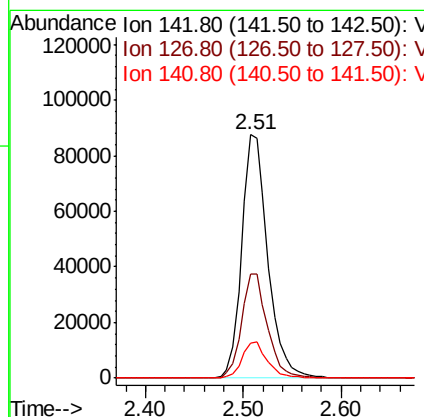
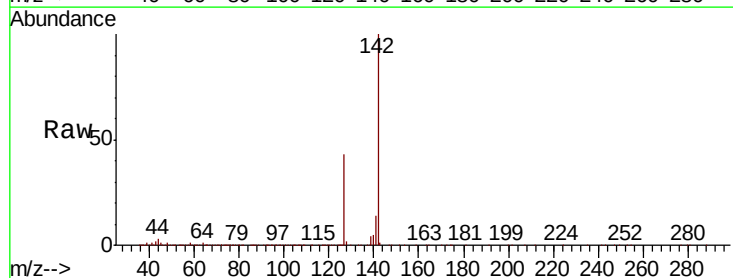
Manual Integrations
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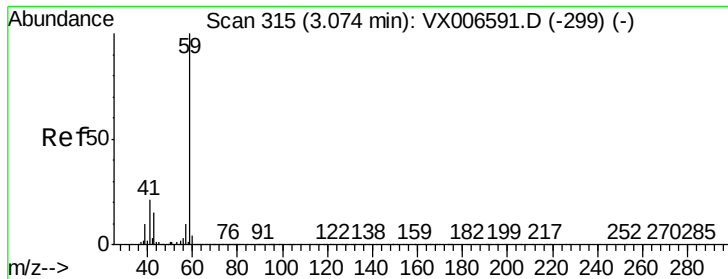
MMDadoda
1/3/2019 9:43:21 AM



#10
Methyl Iodide
Concen: 16.992 ug/l
RT: 2.51 min Scan# 222
Delta R.T. -0.01 min
Lab File: VX006879.D
Acq: 02 Jan 2019 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	161831		
127	42.4	33.9	50.9	
141	14.5	11.4	17.0	





#11

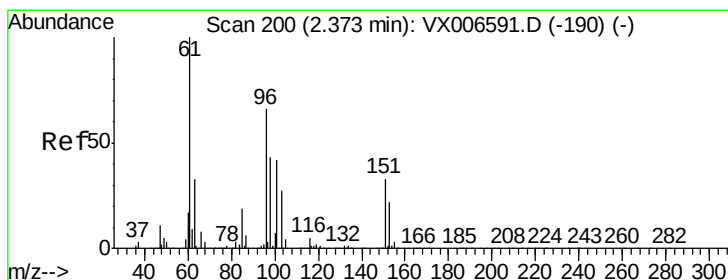
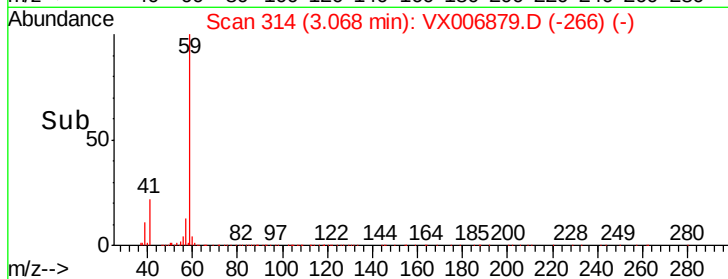
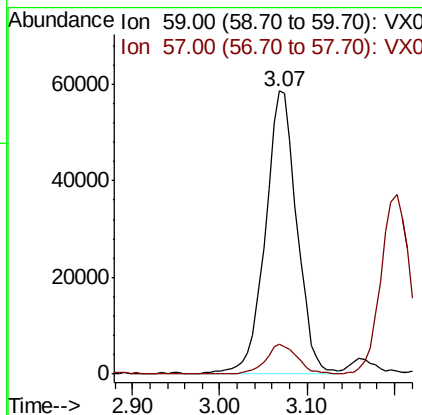
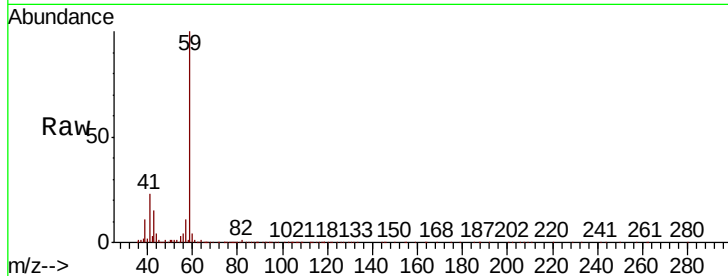
Tert butyl alcohol
Concen: 86.156 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX006879.D
Acq: 02 Jan 2019 14:18

Instrument :
MSVOA_X
ClientSampleId :
VX0102MBSD01

Tot Ion: 59 Resp: 146319
Ion Ratio Lower Upper
59 100
57 10.5 8.5 12.7

Manual Integrations
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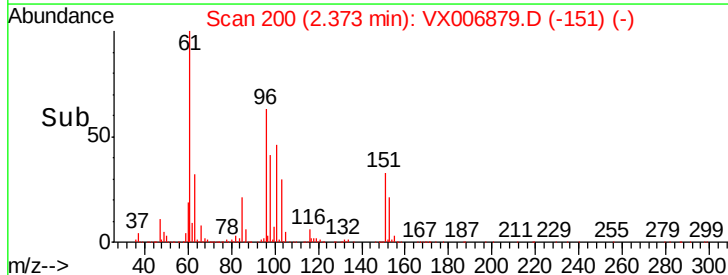
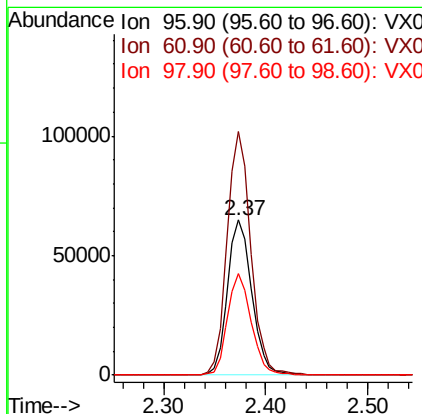
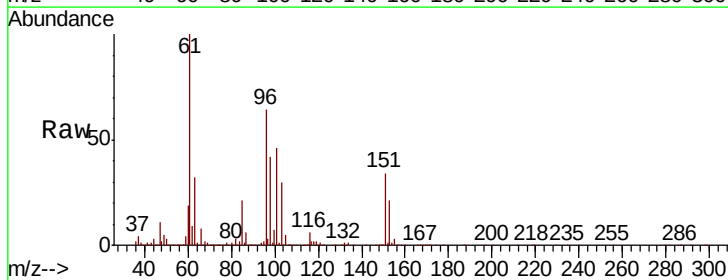
MMDadoda
1/3/2019 9:43:21 AM

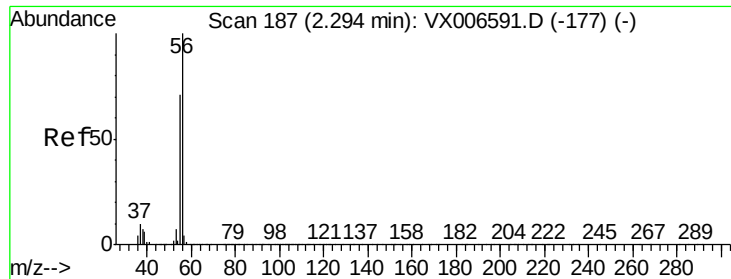


#12

1,1-Dichloroethene
Concen: 16.967 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX006879.D
Acq: 02 Jan 2019 14:18

Tgt Ion: 96 Resp: 107041
Ion Ratio Lower Upper
96 100
61 157.0 121.4 182.2
98 65.3 51.9 77.9





#13

Acrolein

Concen: 82.560 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX006879.D

Acq: 02 Jan 2019 14:18

Instrument :

MSVOA_X

ClientSampleId :

VX0102MBSD01

Tot Ion: 56 Resp: 94588

Ion Ratio Lower Upper

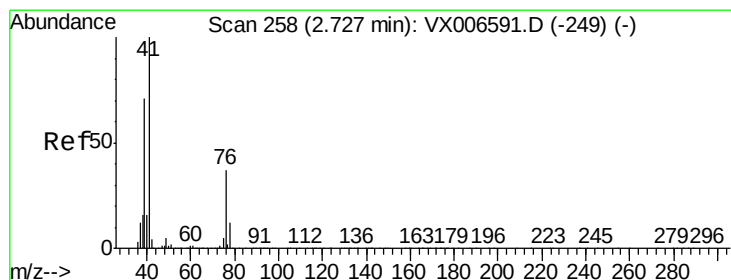
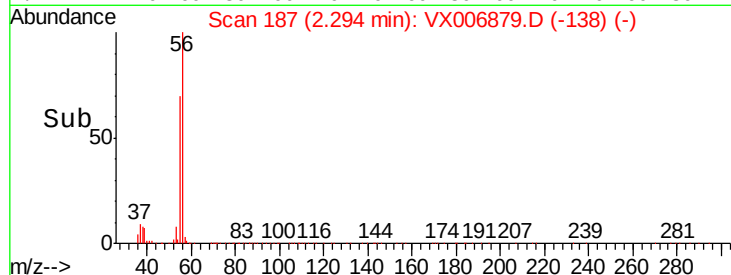
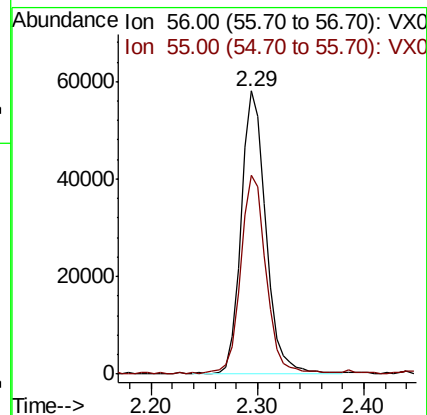
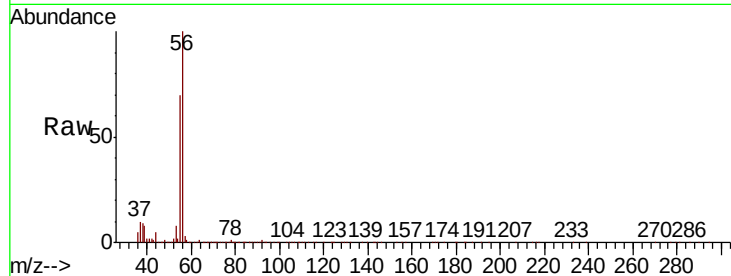
56 100

55 71.3 58.2 87.4

Manual Integrations
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MMDadoda

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#14

Allyl chloride

Concen: 17.506 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX006879.D

Acq: 02 Jan 2019 14:18

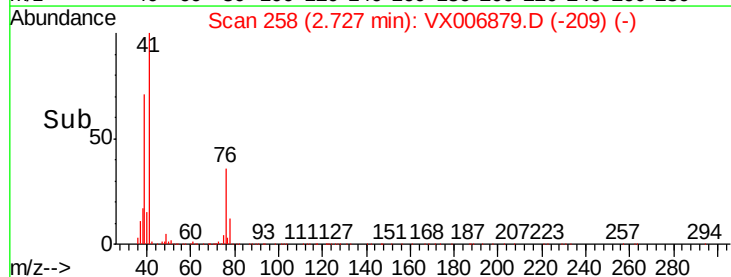
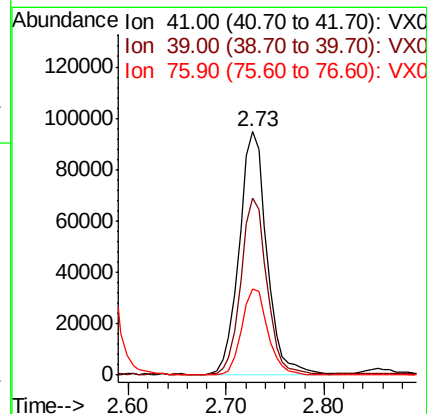
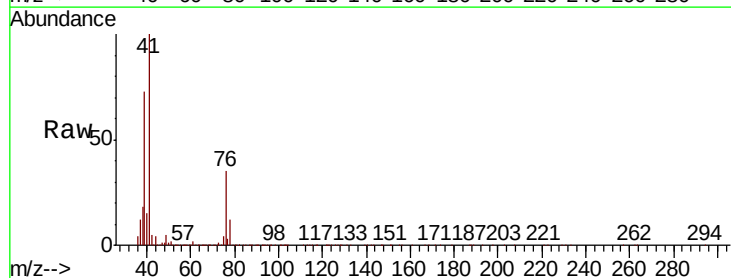
Tgt Ion: 41 Resp: 185891

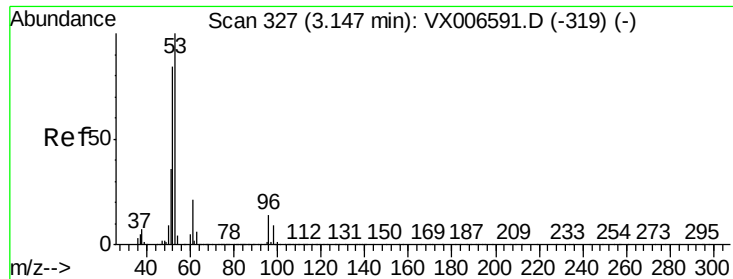
Ion Ratio Lower Upper

41 100

39 68.1 53.6 80.4

76 33.8 27.4 41.2





#15

Acrylonitrile

Concen: 89.851 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX006879.D

Acq: 02 Jan 2019 14:18

Instrument :

MSVOA_X

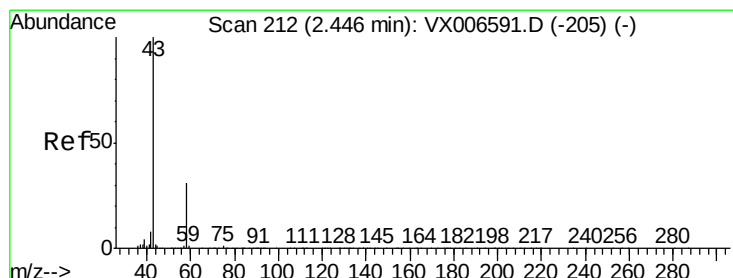
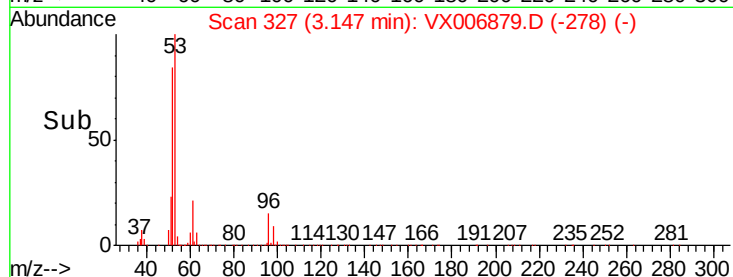
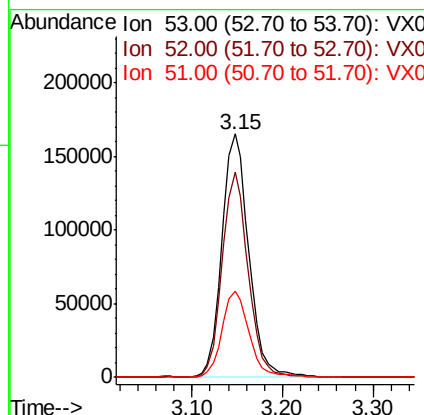
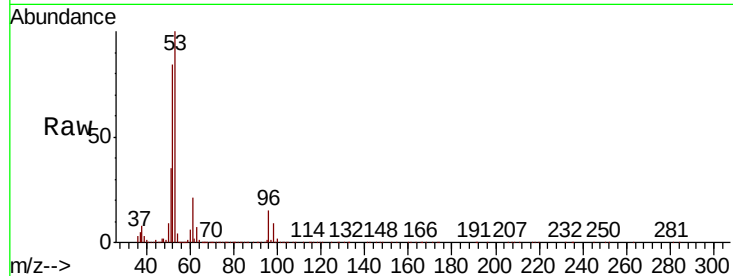
ClientSampleId :

VX0102MBS01

Tot Ion:	53	Resp:	338806
Ion Ratio		Lower	Upper
53	100		
52	81.7	66.0	99.0
51	35.7	28.6	42.8

Manual Integrations
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#16

Acetone

Concen: 90.497 ug/l

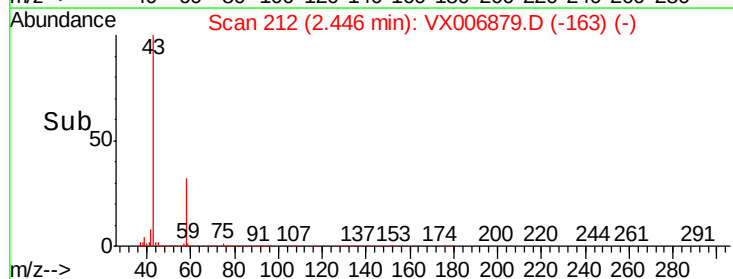
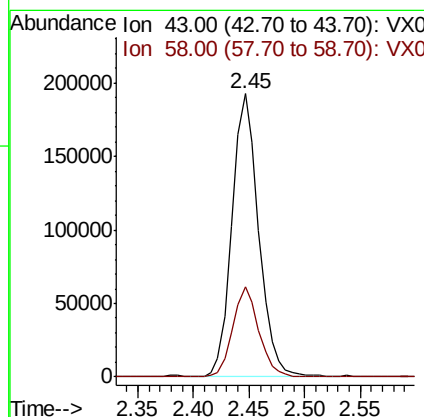
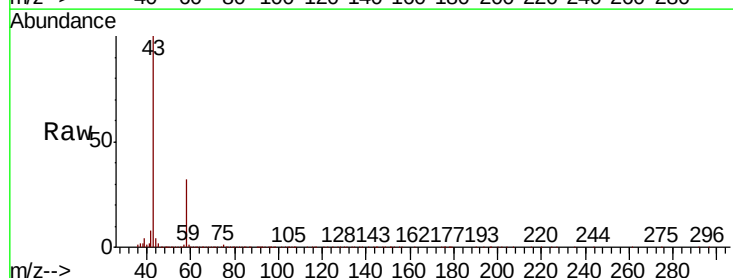
RT: 2.45 min Scan# 212

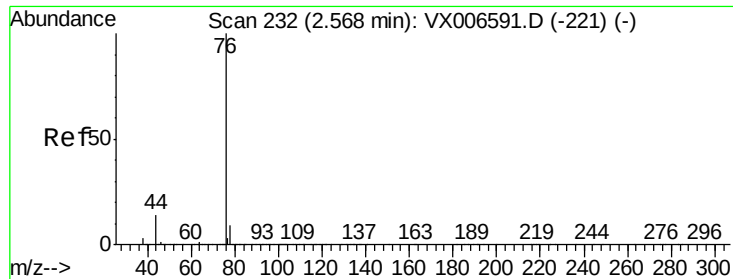
Delta R.T. 0.00 min

Lab File: VX006879.D

Acq: 02 Jan 2019 14:18

Tgt Ion:	43	Resp:	316393
Ion Ratio		Lower	Upper
43	100		
58	32.1	25.0	37.6





#17

Carbon Disulfide

Concen: 12.877 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX006879.D

Acq: 02 Jan 2019 14:18

Instrument :

MSVOA_X

ClientSampleId :

VX0102MBSD01

Tot Ion: 76 Resp: 214981

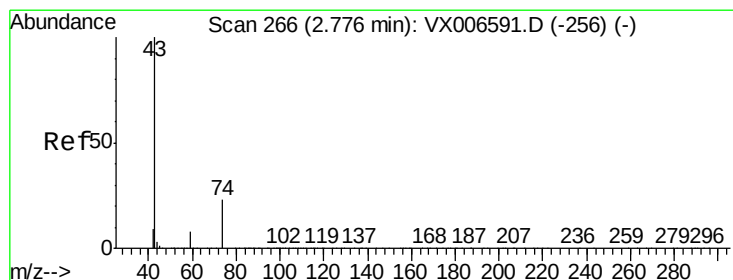
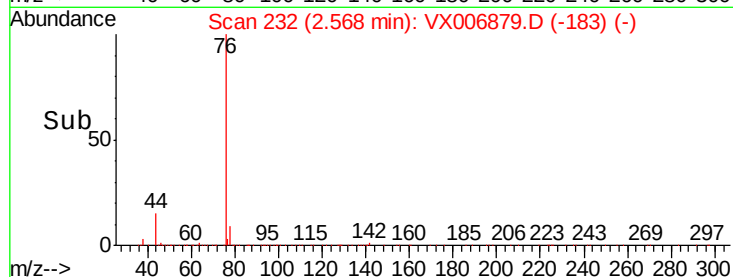
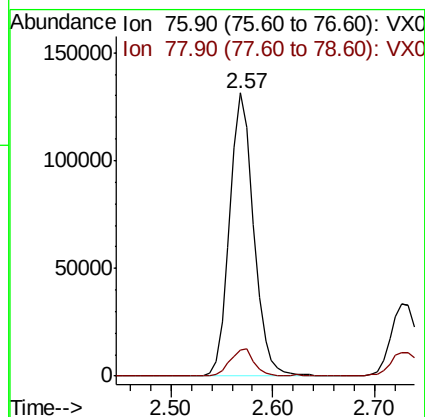
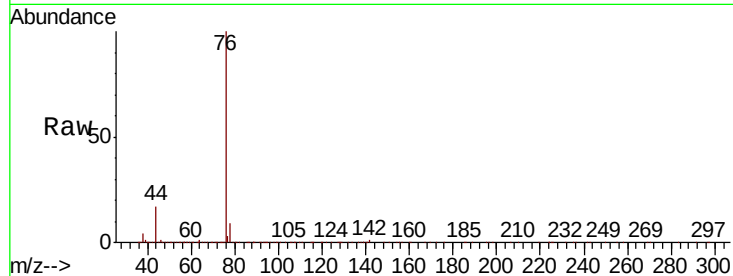
Ion Ratio Lower Upper

76 100

78 8.9 7.0 10.6

Manual Integrations
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1/3/2019 9:43:21 AM



#18

Methyl Acetate

Concen: 19.522 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX006879.D

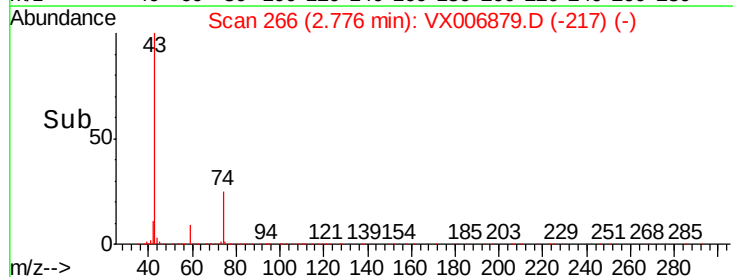
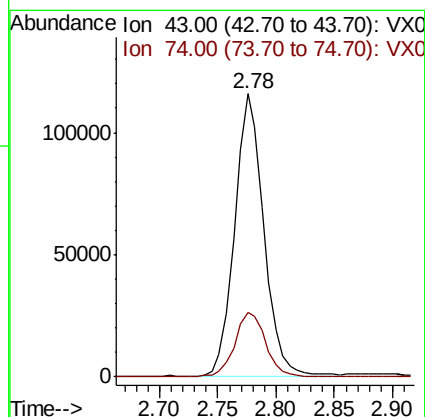
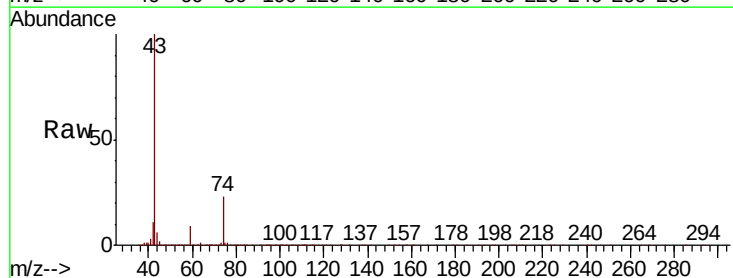
Acq: 02 Jan 2019 14:18

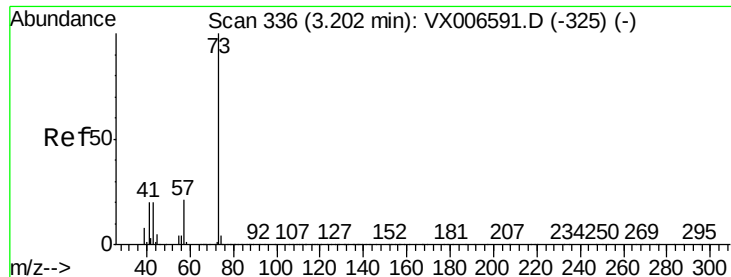
Tgt Ion: 43 Resp: 200691

Ion Ratio Lower Upper

43 100

74 23.9 18.6 28.0





#19

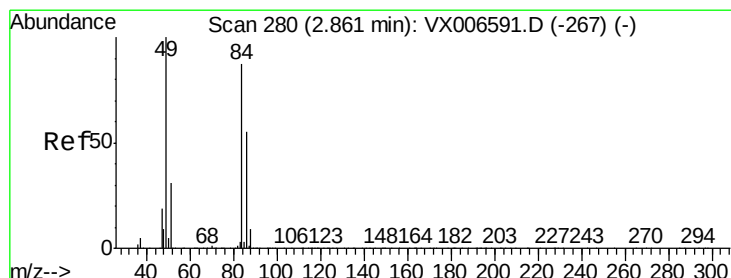
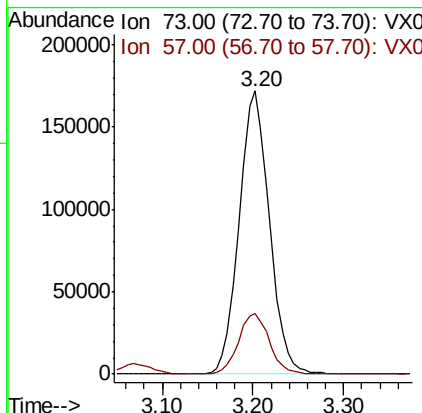
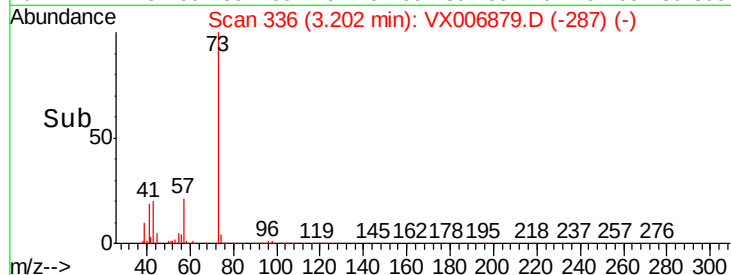
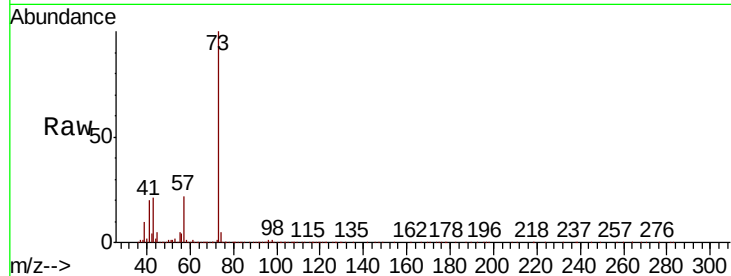
Methyl tert-butyl Ether
 Concen: 18.952 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. 0.00 min
 Lab File: VX006879.D
 Acq: 02 Jan 2019 14:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0102MBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.6	16.8	25.2

Manual Integrations
 APPROVED

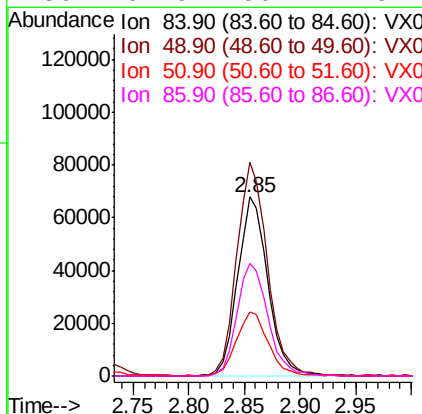
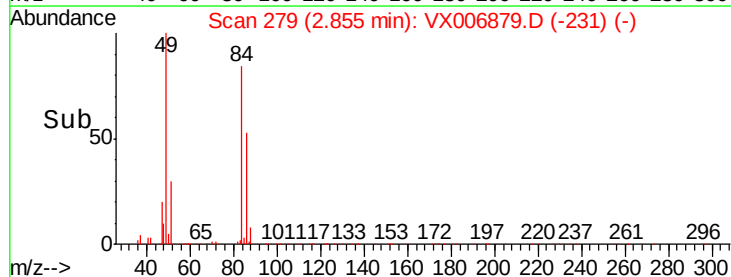
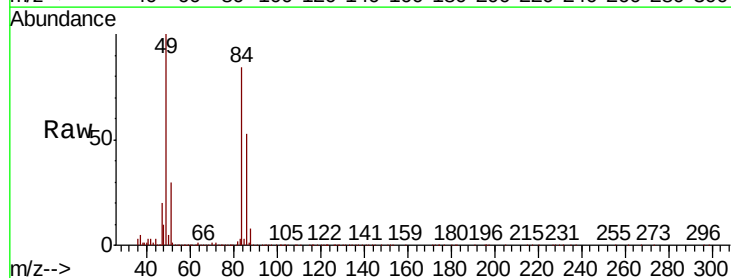
MMDadoda
 1/3/2019 9:43:21 AM

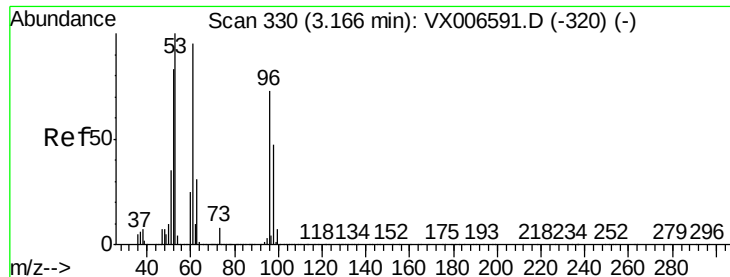


#20

Methylene Chloride
 Concen: 17.670 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. -0.01 min
 Lab File: VX006879.D
 Acq: 02 Jan 2019 14:18

Tgt Ion	Ratio	Lower	Upper
84	100		
49	119.1	91.8	137.6
51	35.7	28.5	42.7
86	62.9	50.2	75.2





#21

trans-1,2-Dichloroethene

Concen: 16.047 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX006879.D

Acq: 02 Jan 2019 14:18

Instrument :

MSVOA_X

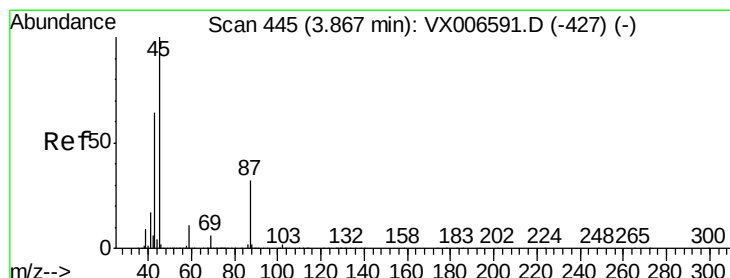
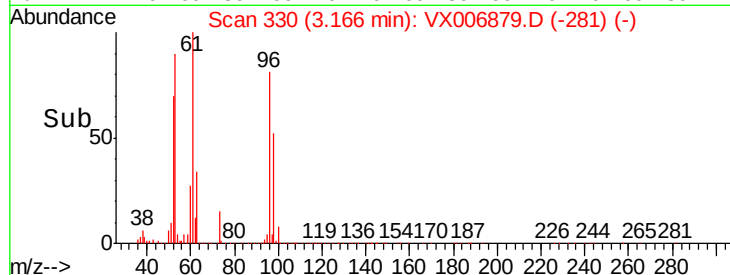
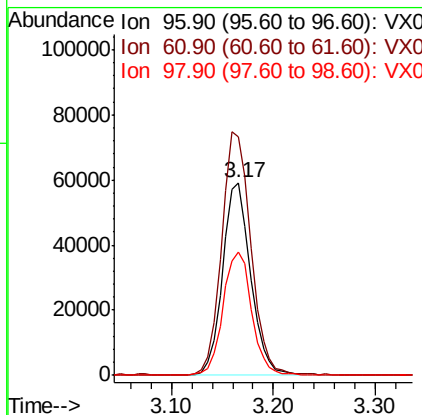
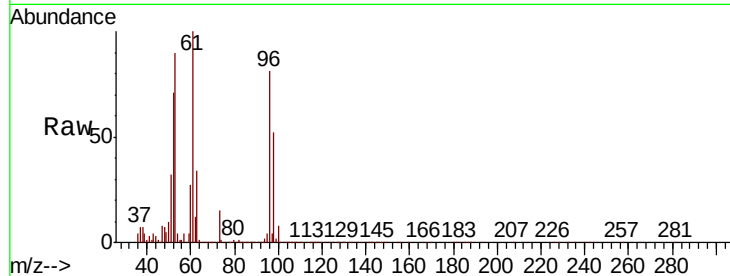
ClientSampleId :

VX0102MBS01

Tot Ion:	96	Resp:	112167
Ion Ratio	Lower	Upper	
96	100		
61	123.4	103.7	155.5
98	63.6	51.0	76.6

Manual Integrations
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1/3/2019 9:43:21 AM



#22

Diisopropyl ether

Concen: 18.824 ug/l

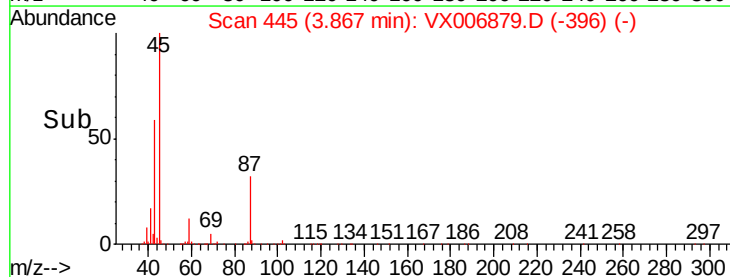
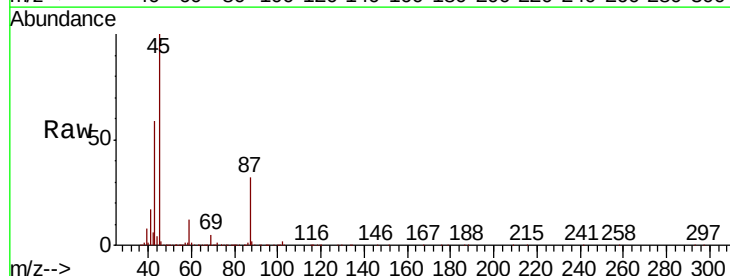
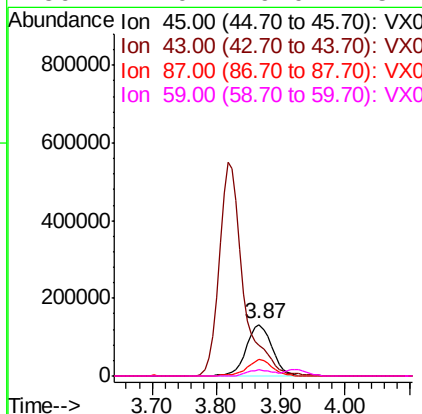
RT: 3.87 min Scan# 445

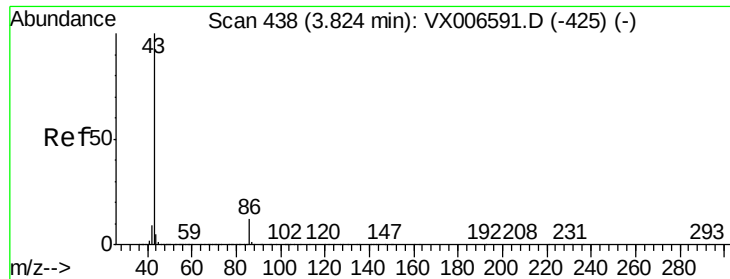
Delta R.T. 0.00 min

Lab File: VX006879.D

Acq: 02 Jan 2019 14:18

Tgt Ion:	45	Resp:	365690
Ion Ratio	Lower	Upper	
45	100		
43	59.0	51.2	76.8
87	31.6	25.8	38.6
59	12.0	9.0	13.4





#23

Vinyl Acetate

Concen: 90.893 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.01 min

Lab File: VX006879.D

Acq: 02 Jan 2019 14:18

Instrument :

MSVOA_X

ClientSampleId :

VX0102MBS01

Tot Ion: 43 Resp: 1444321

Ion Ratio Lower Upper

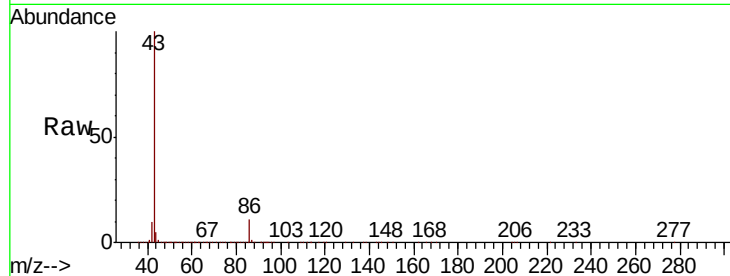
43 100

86 11.0 9.2 13.8

Manual Integrations
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1/3/2019 9:43:21 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.82

600000

500000

400000

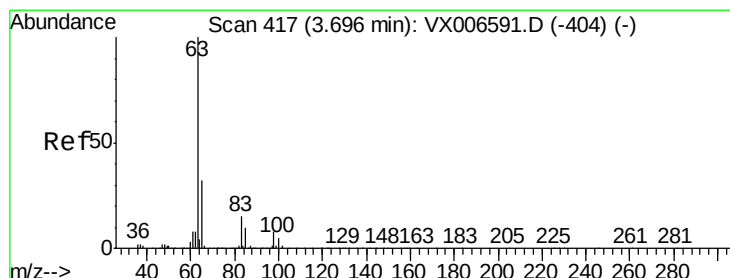
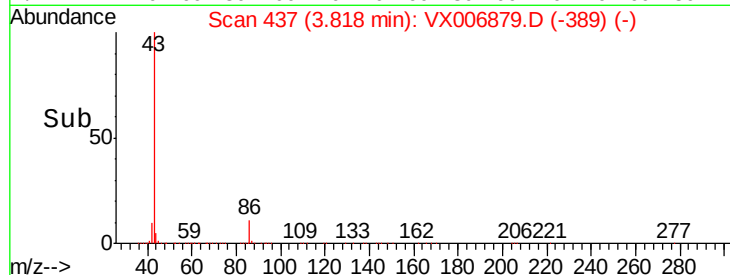
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 18.147 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX006879.D

Acq: 02 Jan 2019 14:18

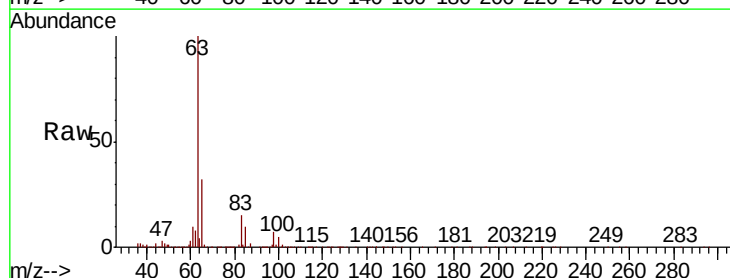
Tgt Ion: 63 Resp: 210449

Ion Ratio Lower Upper

63 100

98 7.0 3.9 11.5

100 5.0 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

100000

80000

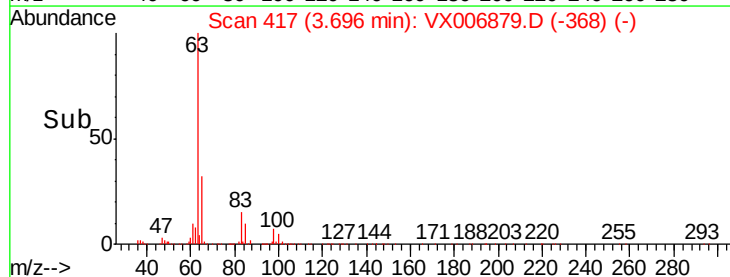
60000

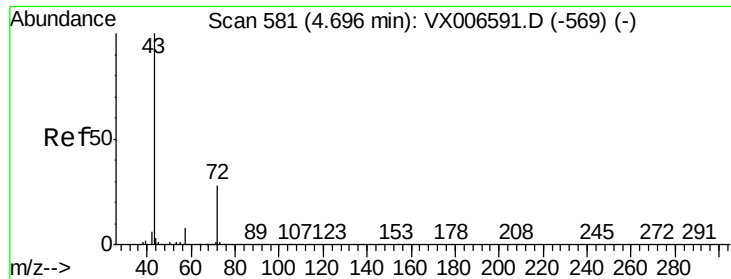
40000

20000

0

Time-->





#25

2-Butanone

Concen: 89.684 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.00 min

Lab File: VX006879.D

Acq: 02 Jan 2019 14:18

Tot Ion: 43 Resp: 441051

Ion Ratio Lower Upper

43 100

72 25.9 22.4 33.6

Instrument :

MSVOA_X

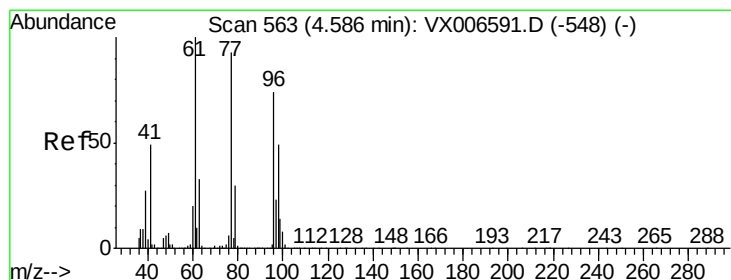
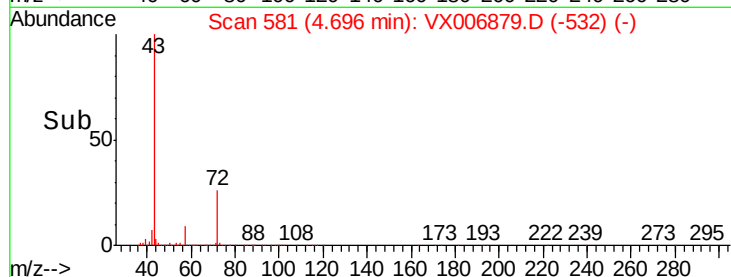
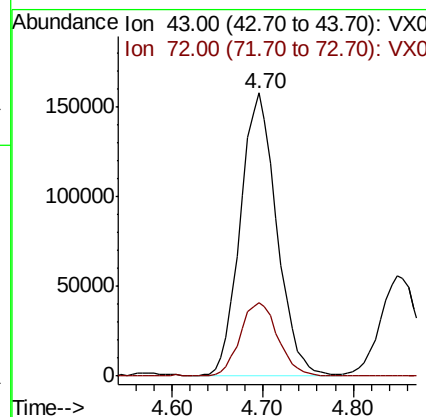
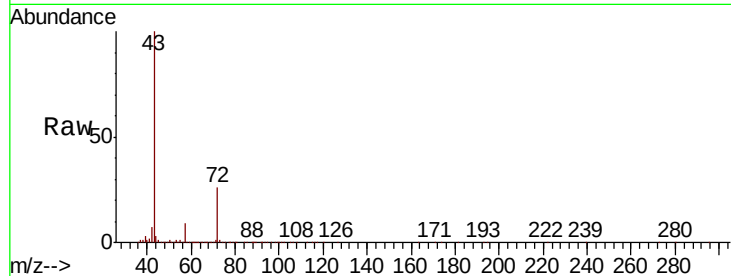
ClientSampled :

VX0102MBS001

Manual Integrations
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MMDadoda

1/3/2019 9:43:21 AM



#26

2,2-Dichloropropane

Concen: 17.592 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX006879.D

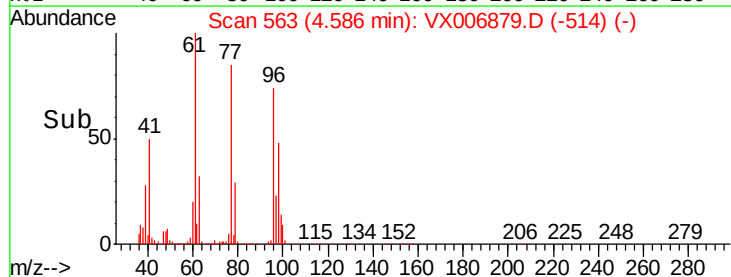
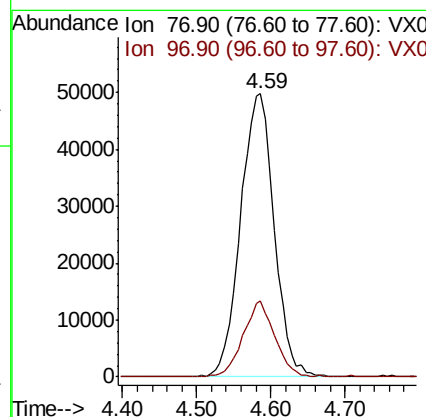
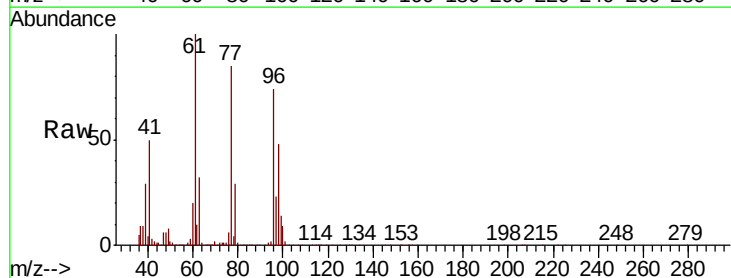
Acq: 02 Jan 2019 14:18

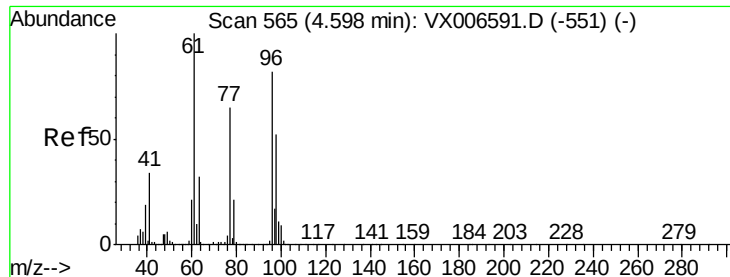
Tgt Ion: 77 Resp: 157591

Ion Ratio Lower Upper

77 100

97 25.4 12.4 37.4





#27

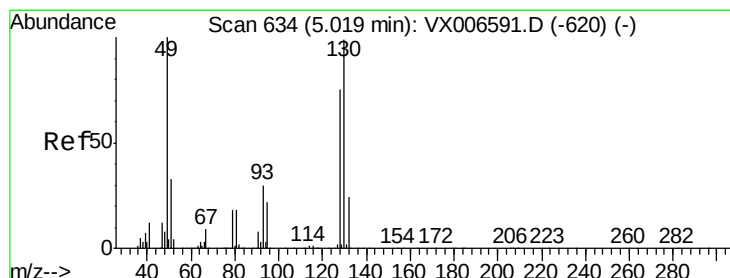
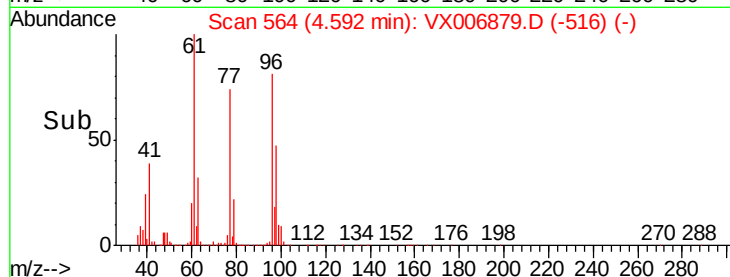
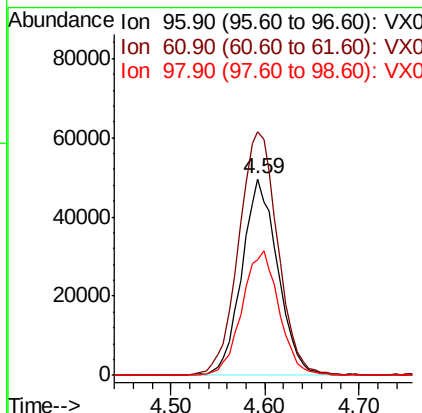
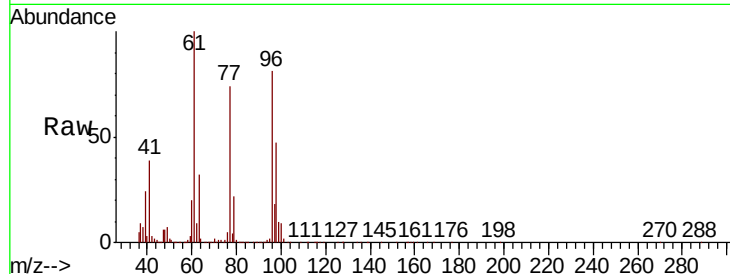
cis-1,2-Dichloroethene
 Concen: 17.206 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VX006879.D
 Acq: 02 Jan 2019 14:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0102MBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.1	0.0	258.6
98	65.2	0.0	132.0

Manual Integrations
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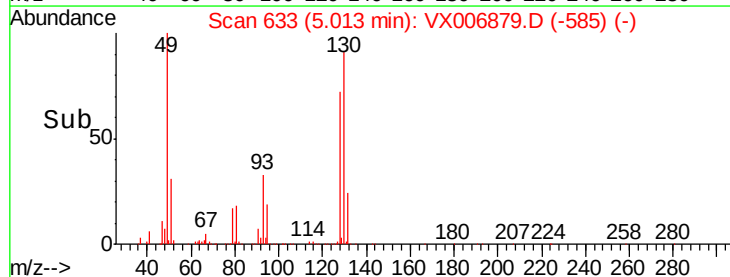
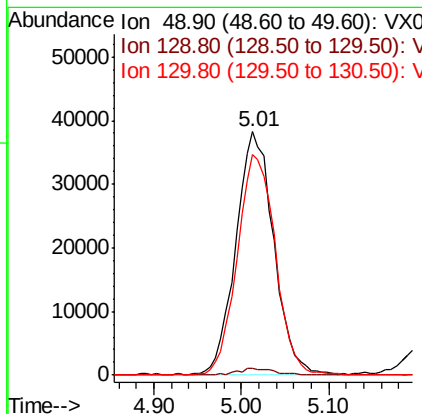
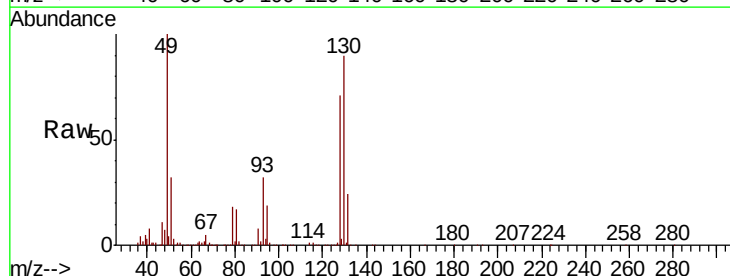
MMDadoda
 1/3/2019 9:43:21 AM

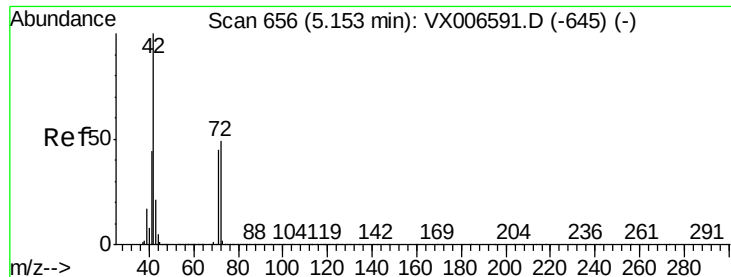


#28

Bromochloromethane
 Concen: 22.544 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. -0.01 min
 Lab File: VX006879.D
 Acq: 02 Jan 2019 14:18

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	5.4
130	91.4	77.7	116.5





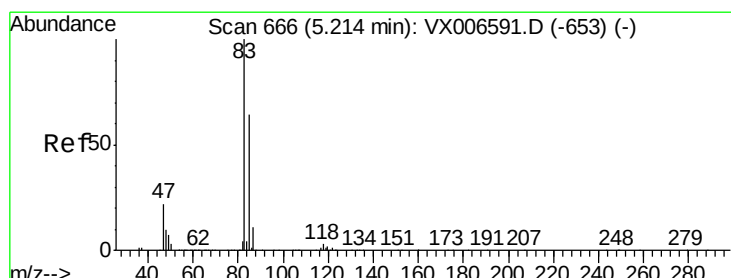
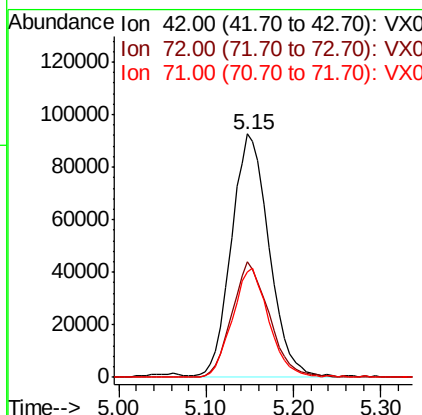
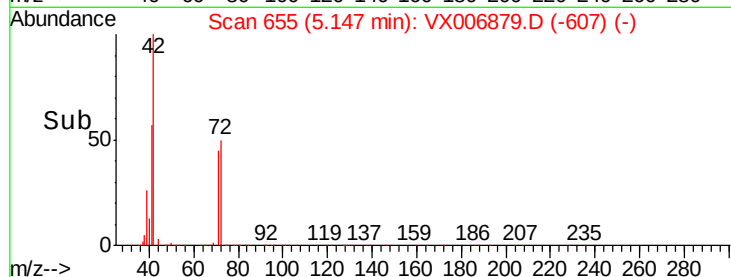
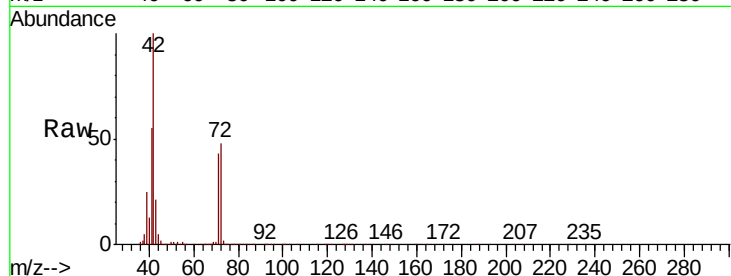
#29
Tetrahydrofuran
Concen: 84.772 ug/l
RT: 5.15 min Scan# 655
Delta R.T. -0.01 min
Lab File: VX006879.D
Acq: 02 Jan 2019 14:18

Instrument :
MSVOA_X
ClientSampleId :
VX0102MBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.2	38.9	58.3
71	43.8	36.2	54.4

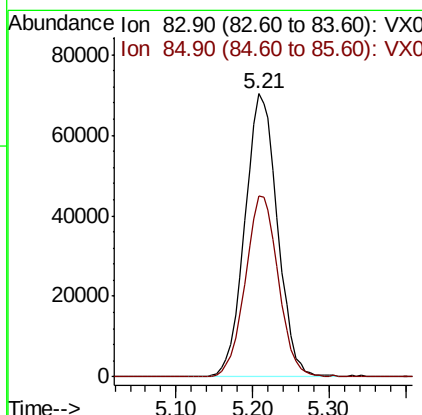
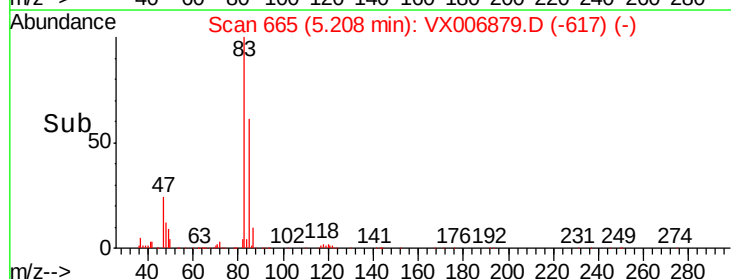
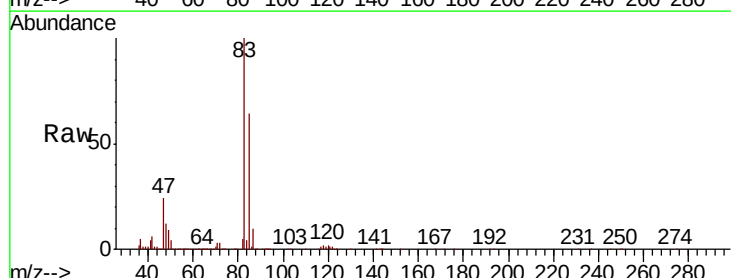
Manual Integrations
APPROVED

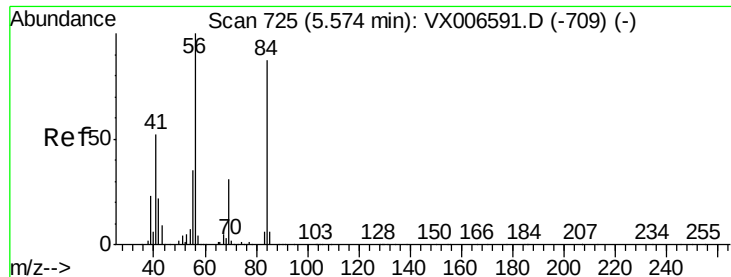
MMDadoda
1/3/2019 9:43:21 AM



#30
Chloroform
Concen: 17.353 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX006879.D
Acq: 02 Jan 2019 14:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.2	76.8





#31

Cyclohexane

Concen: 16.308 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX006879.D

Acq: 02 Jan 2019 14:18

Instrument :

MSVOA_X

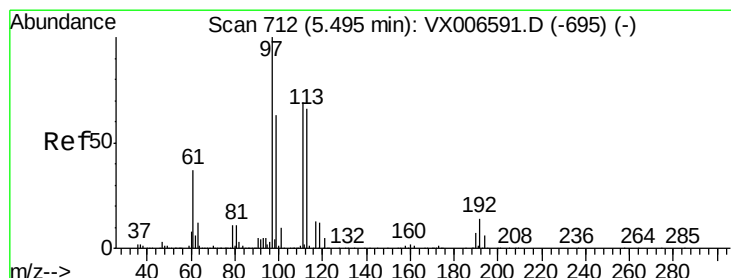
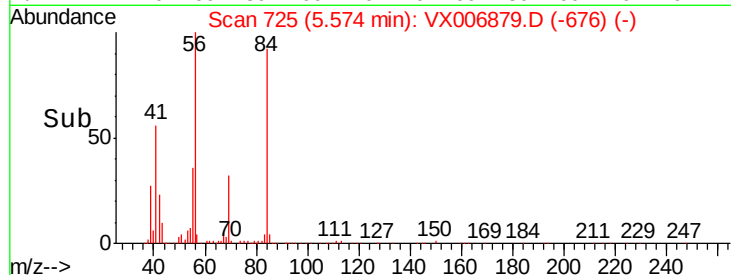
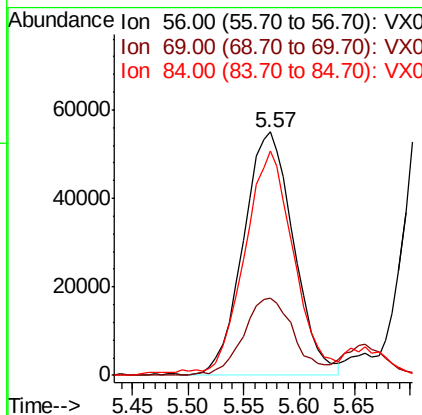
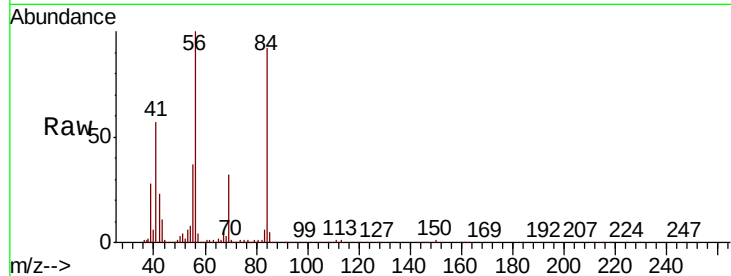
ClientSampleId :

VX0102MBSD01

Tot Ion	56	Resp	171813
Ion Ratio	Lower	Upper	
56	100		
69	31.8	24.4	36.6
84	90.6	70.0	105.0

Manual Integrations
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1/3/2019 9:43:21 AM



#32

1,1,1-Trichloroethane

Concen: 17.519 ug/l

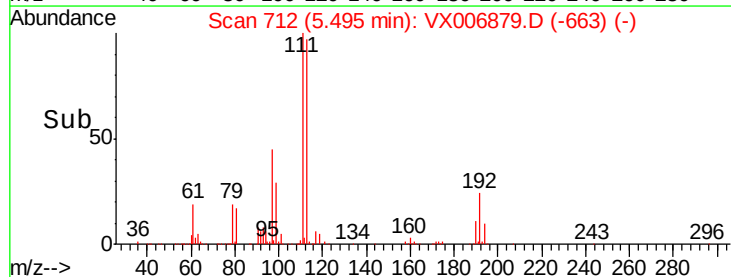
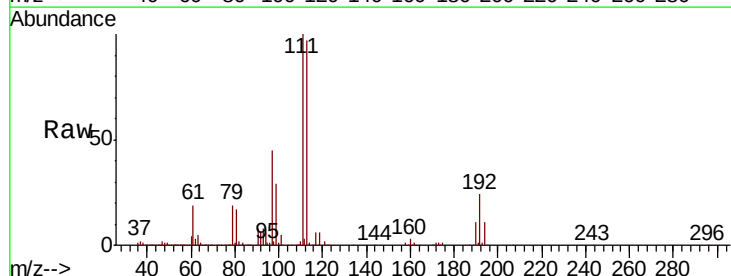
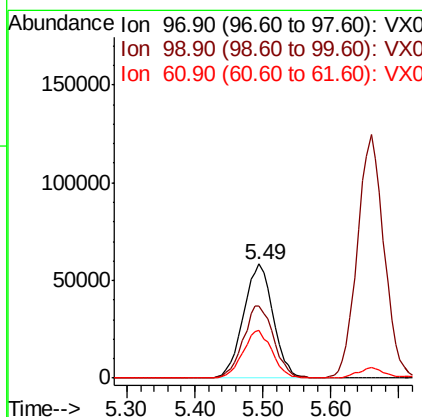
RT: 5.49 min Scan# 712

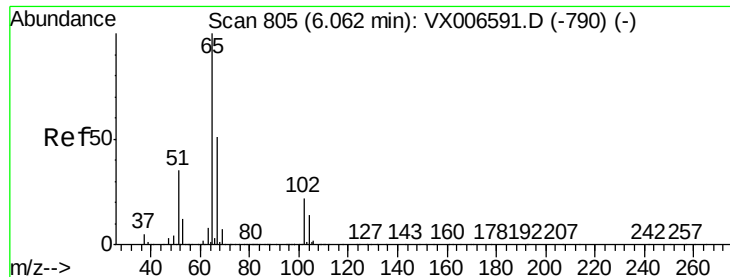
Delta R.T. 0.00 min

Lab File: VX006879.D

Acq: 02 Jan 2019 14:18

Tgt Ion	97	Resp	177652
Ion Ratio	Lower	Upper	
97	100		
99	64.7	51.7	77.5
61	41.5	31.3	46.9





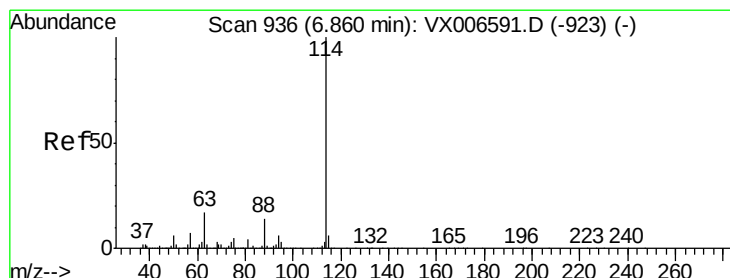
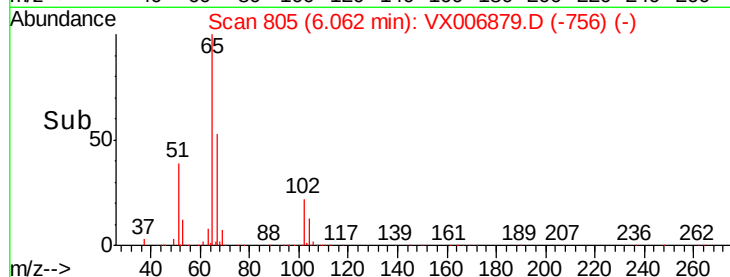
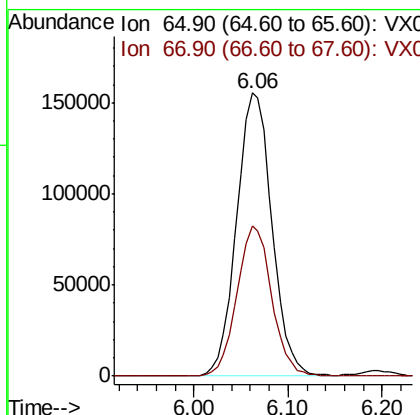
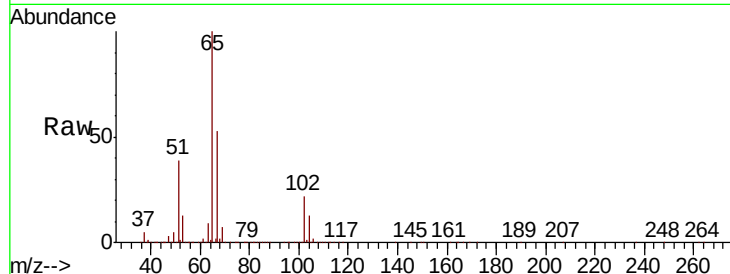
#33
 1,2-Dichloroethane-d4
 Concen: 53.548 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX006879.D
 Acq: 02 Jan 2019 14:18

Instrument :
 MSVOA_X
 ClientSampled :
 VX0102MBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	105.0

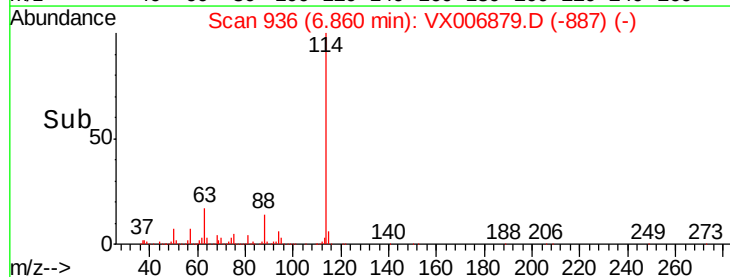
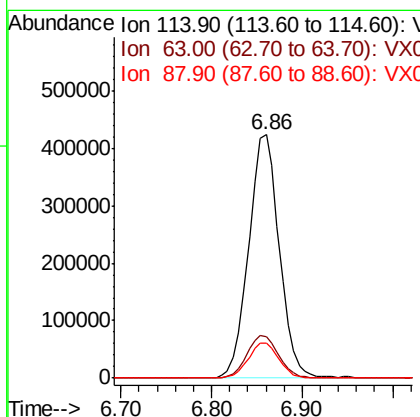
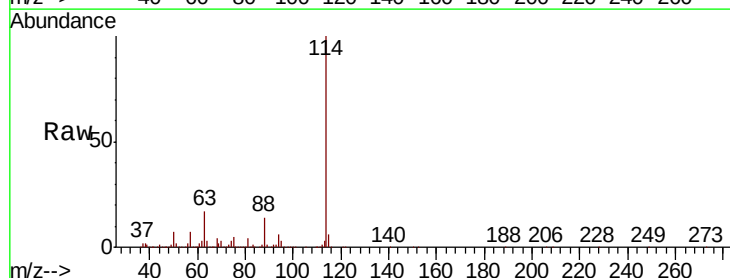
Manual Integrations
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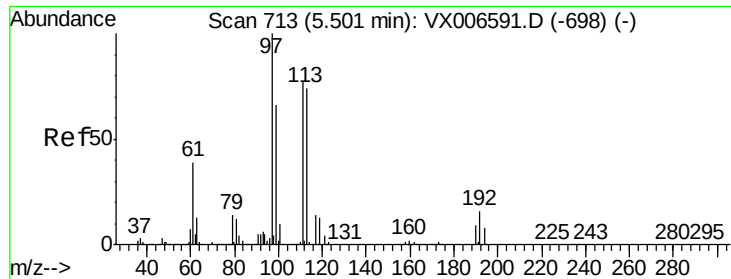
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX006879.D
 Acq: 02 Jan 2019 14:18

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.2	0.0	34.8
88	14.1	0.0	28.8





#35

Dibromofluoromethane

Concen: 58.732 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX006879.D

Acq: 02 Jan 2019 14:18

Instrument :

MSVOA_X

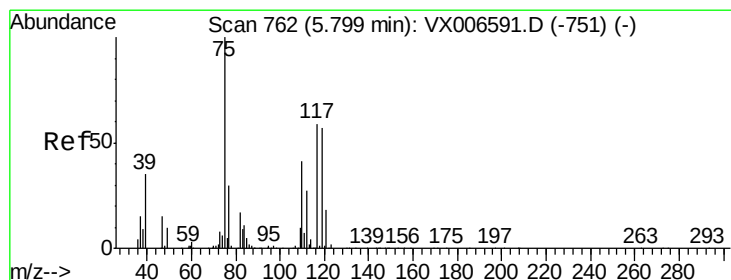
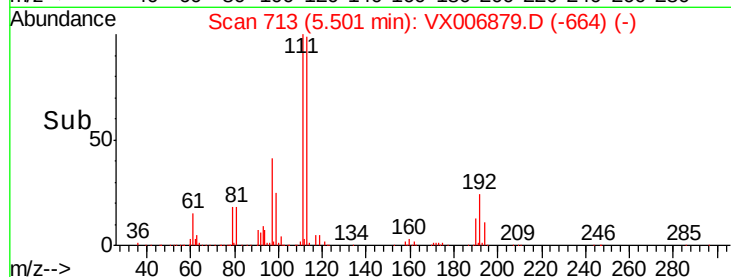
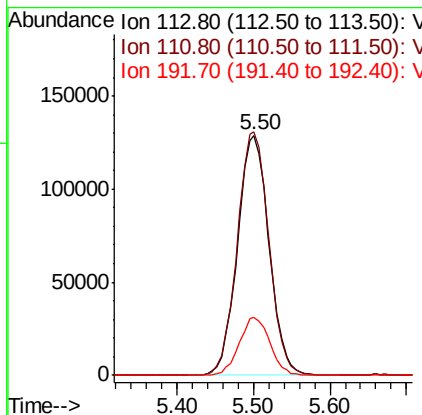
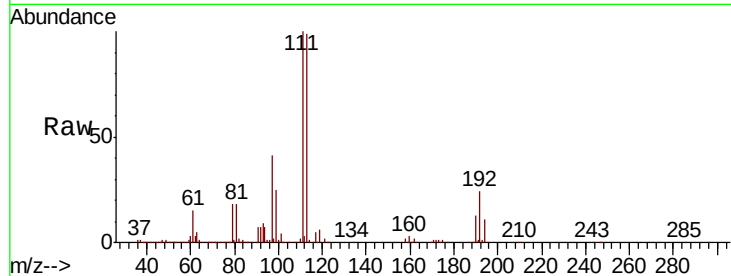
ClientSampled :

VX0102MBS01

Tot Ion:	113	Resp:	367718
Ion Ratio	Lower	Upper	
113	100		
111	102.0	81.6	122.4
192	23.7	16.7	25.1

Manual Integrations
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1/3/2019 9:43:21 AM



#36

1,1-Dichloropropene

Concen: 18.423 ug/l

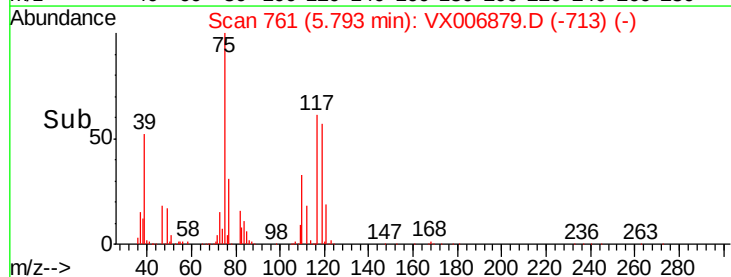
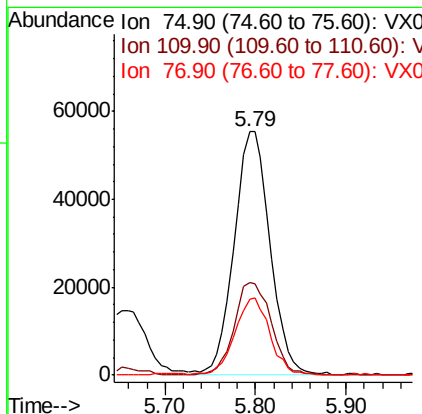
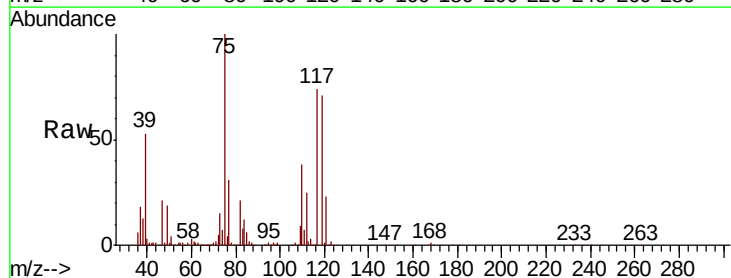
RT: 5.79 min Scan# 761

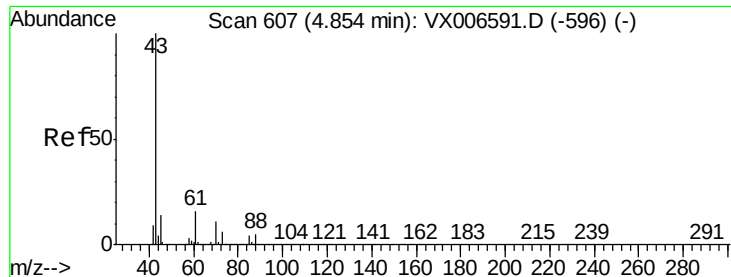
Delta R.T. -0.01 min

Lab File: VX006879.D

Acq: 02 Jan 2019 14:18

Tgt Ion:	75	Resp:	151069
Ion Ratio	Lower	Upper	
75	100		
110	39.6	20.2	60.5
77	30.4	24.8	37.2





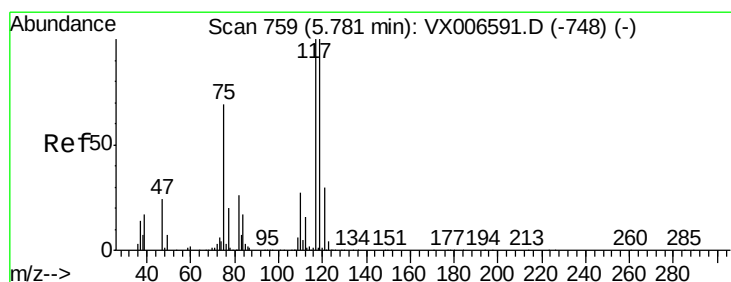
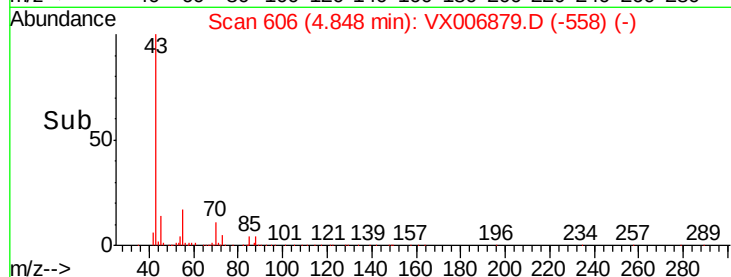
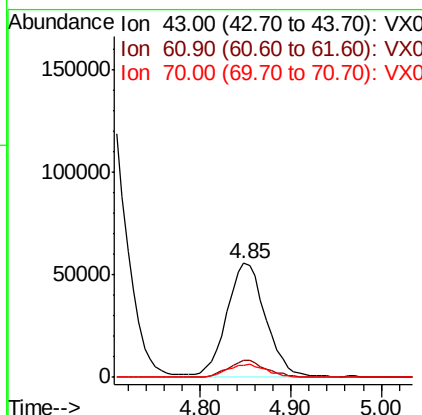
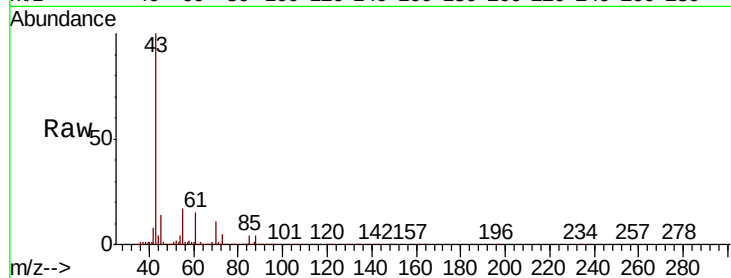
#37
Ethyl Acetate
Concen: 19.290 ug/l
RT: 4.85 min Scan# 606
Delta R.T. -0.01 min
Lab File: VX006879.D
Acq: 02 Jan 2019 14:18

Instrument :
MSVOA_X
ClientSampleId :
VX0102MBS01

Tot Ion:	43	Resp:	164639
Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.9	17.9
70	11.8	9.7	14.5

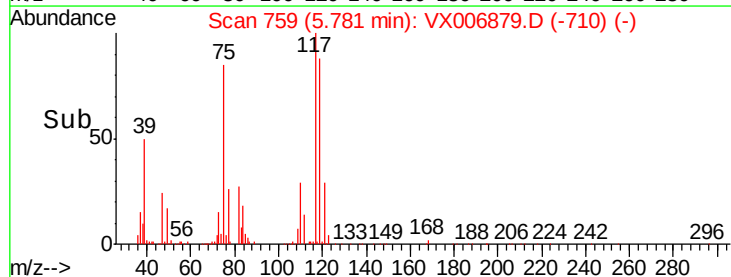
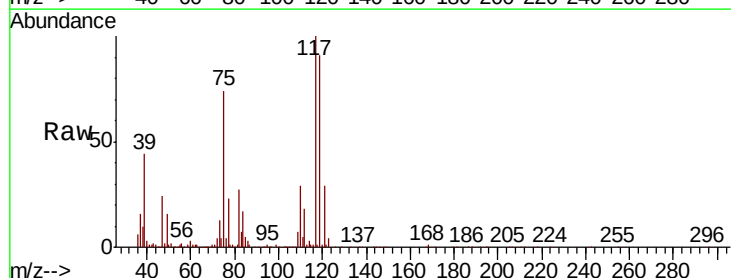
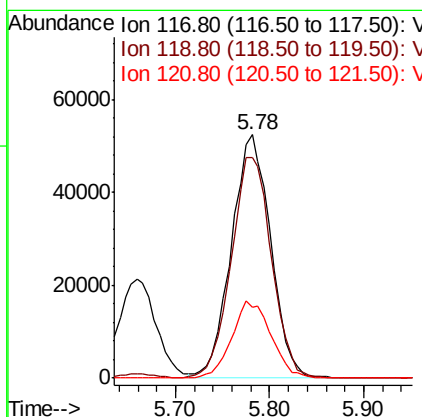
Manual Integrations
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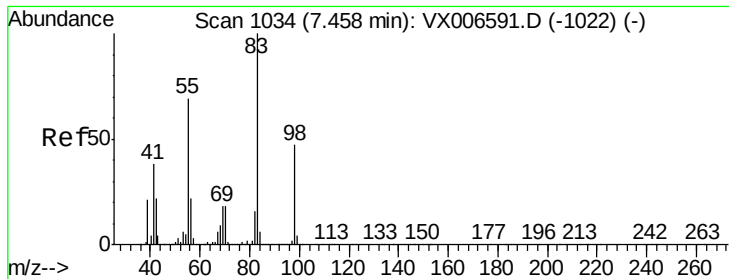
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#38
Carbon Tetrachloride
Concen: 19.013 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX006879.D
Acq: 02 Jan 2019 14:18

Tgt Ion:	117	Resp:	151520
Ion	Ratio	Lower	Upper
117	100		
119	90.5	79.4	119.2
121	29.0	24.0	36.0





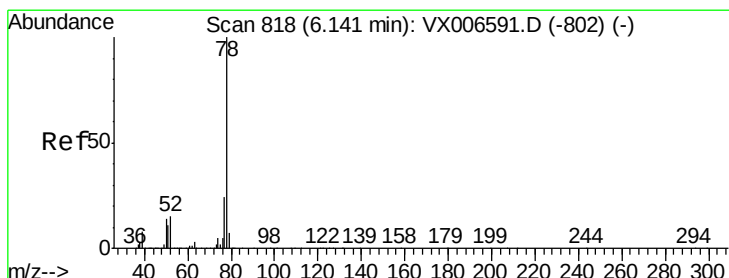
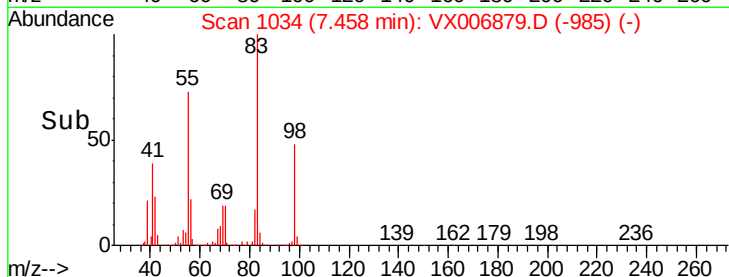
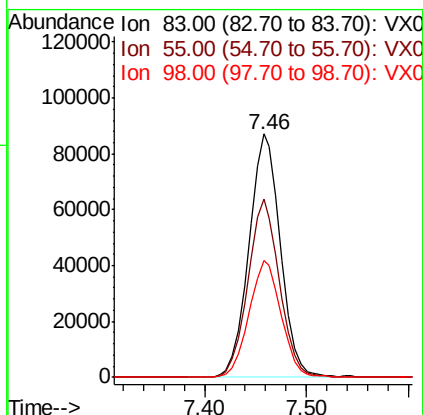
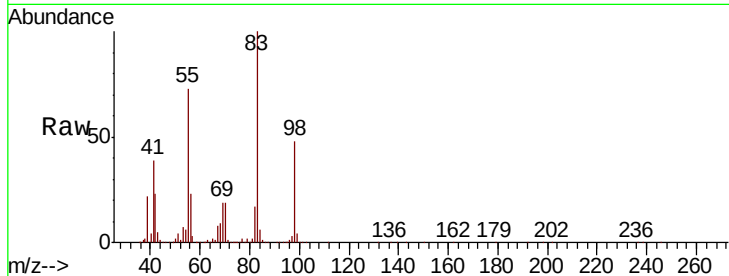
#39
Methylvlcyclohexane
Concen: 17.341 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX006879.D
Acq: 02 Jan 2019 14:18

Instrument :
MSVOA_X
ClientSampleId :
VX0102MBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.5	54.9	82.3
98	48.0	37.9	56.9

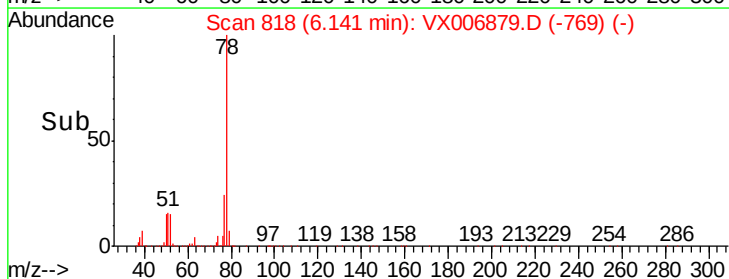
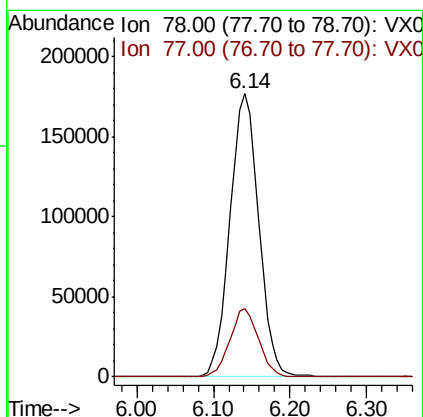
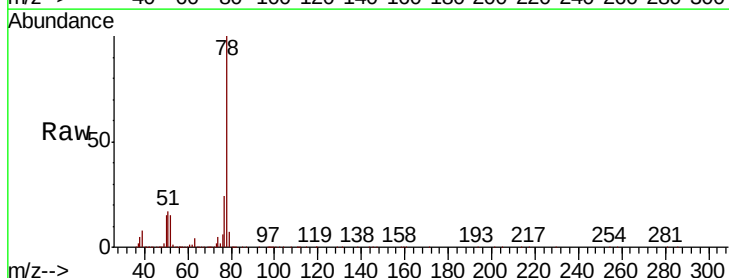
Manual Integrations
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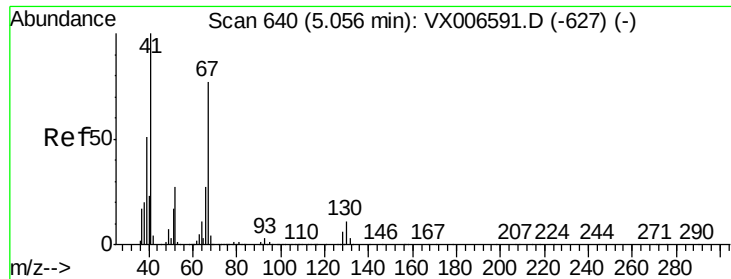
MMDadoda
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#40
Benzene
Concen: 18.556 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX006879.D
Acq: 02 Jan 2019 14:18

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.2	28.8





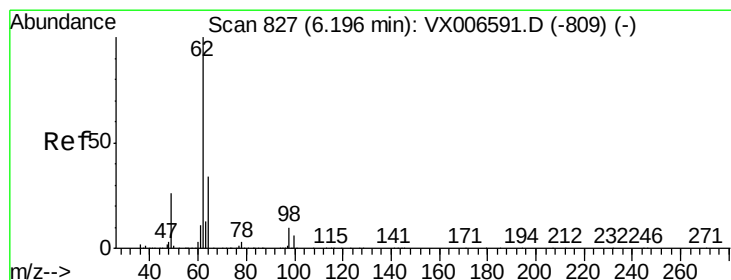
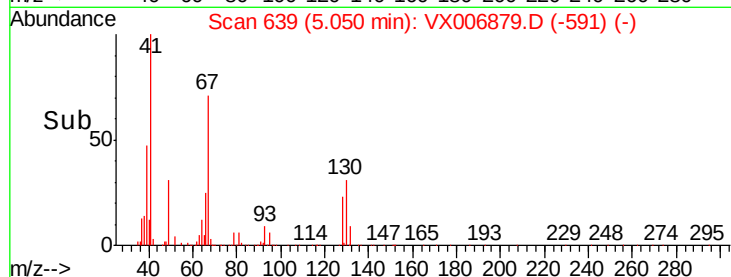
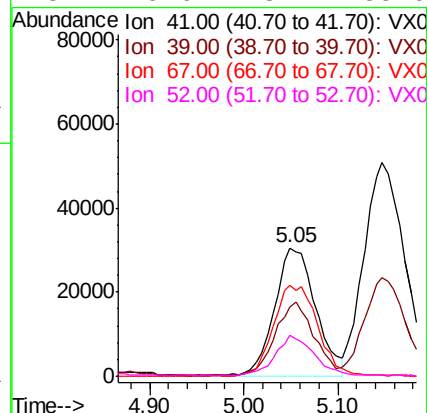
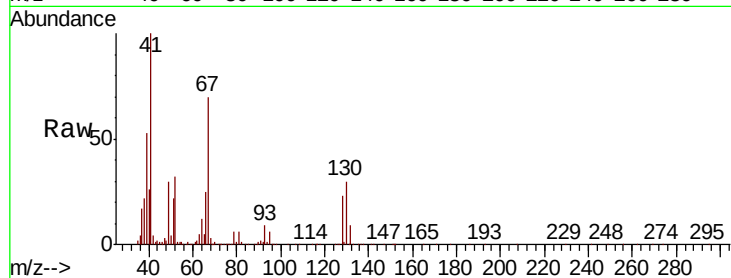
#41
Methacrylonitrile
Concen: 20.334 ug/l
RT: 5.05 min Scan# 639
Delta R.T. -0.01 min
Lab File: VX006879.D
Acq: 02 Jan 2019 14:18

Instrument :
MSVOA_X
ClientSampleId :
VX0102MBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.1	42.8	64.2	
67	75.9	62.1	93.1	
52	29.6	23.4	35.0	

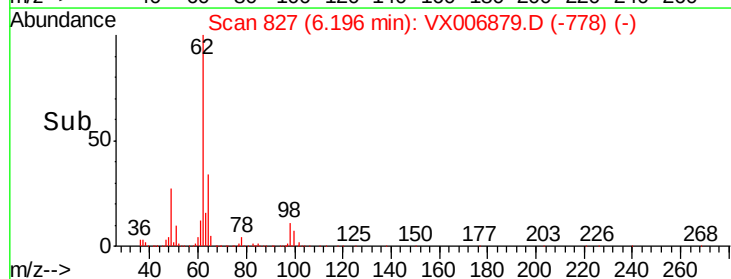
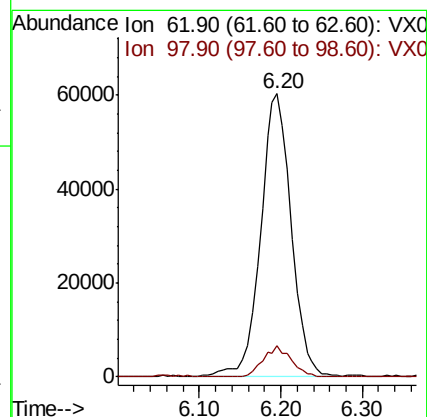
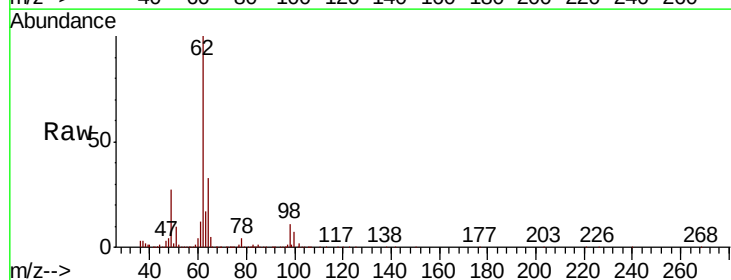
Manual Integrations
APPROVED

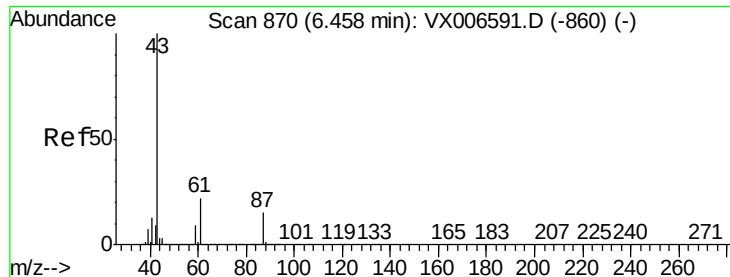
MMDadoda
1/3/2019 9:43:21 AM



#42
1,2-Dichloroethane
Concen: 18.443 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX006879.D
Acq: 02 Jan 2019 14:18

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.2	0.0	20.2	





#43

Isopropyl Acetate

Concen: 20.254 ug/l

RT: 6.46 min Scan# 870

Delta R.T. 0.00 min

Lab File: VX006879.D

Acq: 02 Jan 2019 14:18

Instrument :

MSVOA_X

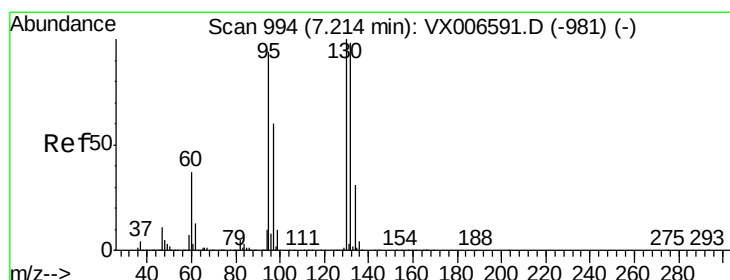
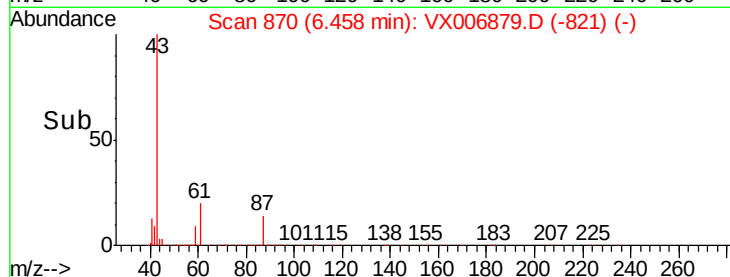
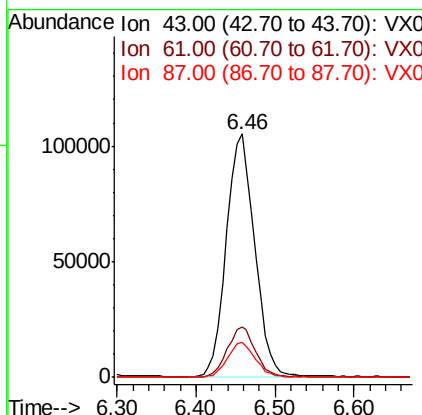
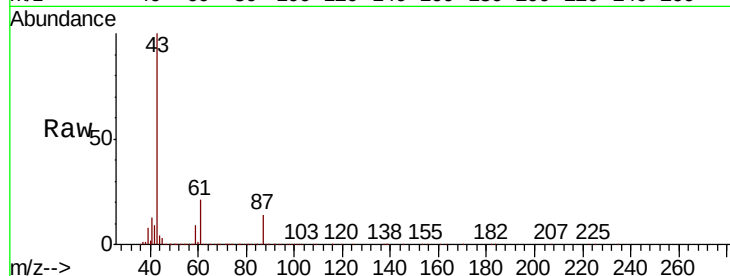
ClientSampleId :

VX0102MBS01

Tot Ion:	43	Resp:	263016
Ion	Ratio	Lower	Upper
43	100		
61	20.5	16.8	25.2
87	14.2	12.4	18.6

Manual Integrations
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#44

Trichloroethene

Concen: 18.019 ug/l

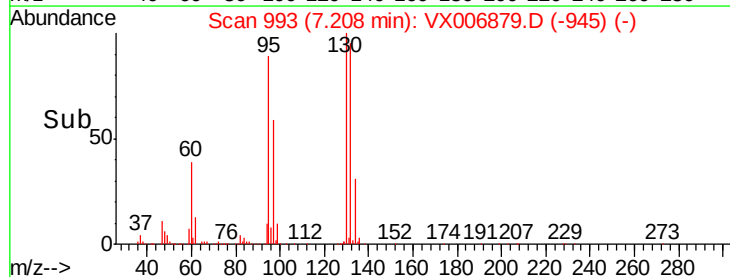
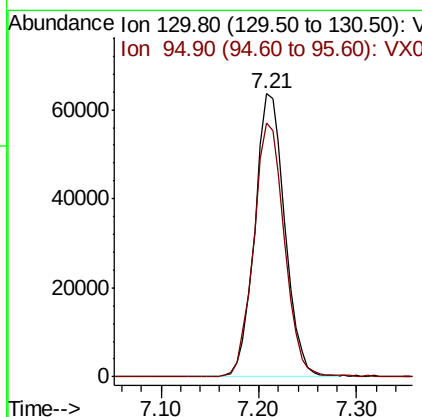
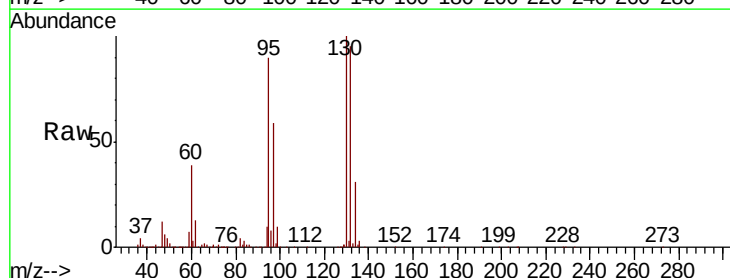
RT: 7.21 min Scan# 993

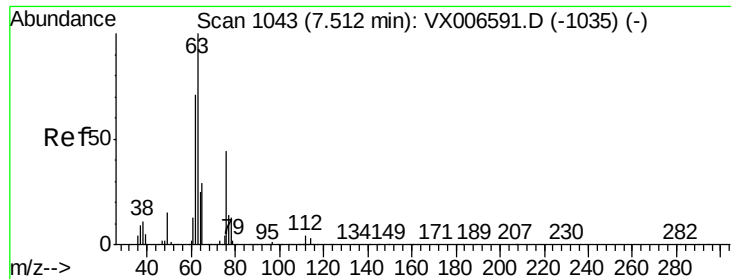
Delta R.T. -0.01 min

Lab File: VX006879.D

Acq: 02 Jan 2019 14:18

Tgt Ion:	130	Resp:	135937
Ion	Ratio	Lower	Upper
130	100		
95	89.7	0.0	187.0





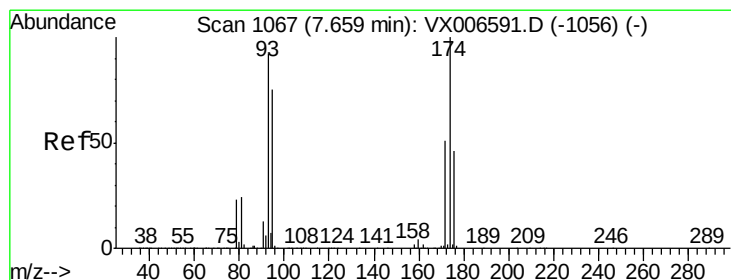
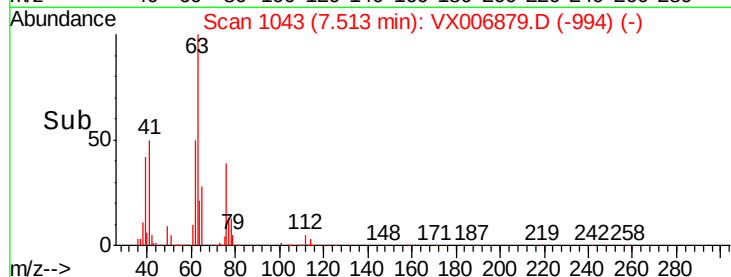
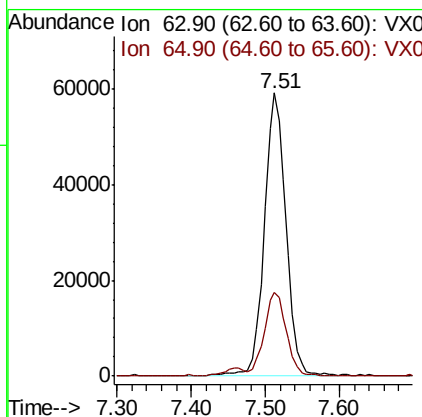
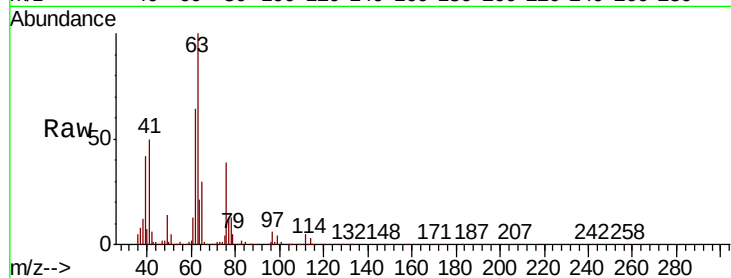
#45
 1,2-Dichloropropane
 Concen: 19.725 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX006879.D
 Acq: 02 Jan 2019 14:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0102MBSD01

Tot Ion: 63 Resp: 119646
 Ion Ratio Lower Upper
 63 100
 65 29.5 25.4 38.0

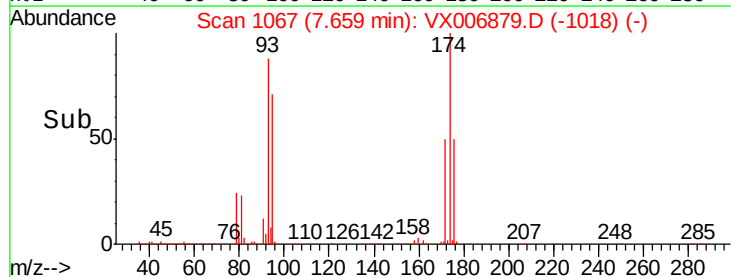
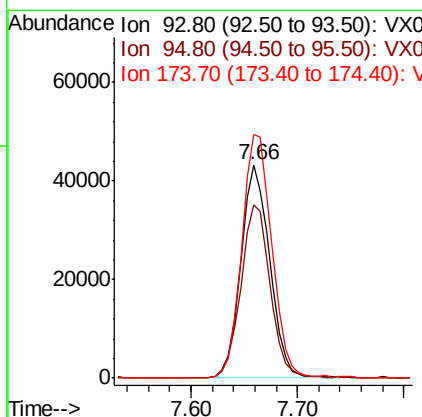
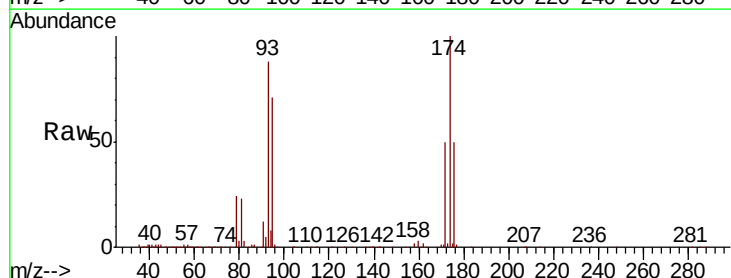
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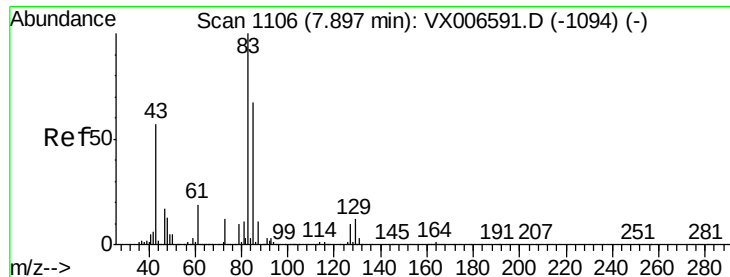
MMDadoda
 1/3/2019 9:43:21 AM



#46
 Dibromomethane
 Concen: 18.548 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX006879.D
 Acq: 02 Jan 2019 14:18

Tgt Ion: 93 Resp: 82753
 Ion Ratio Lower Upper
 93 100
 95 82.3 66.2 99.4
 174 118.4 91.0 136.4





#47

Bromodichloromethane

Concen: 18.680 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX006879.D

Acq: 02 Jan 2019 14:18

Instrument :

MSVOA_X

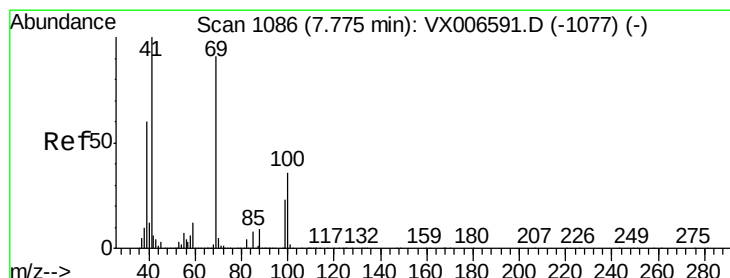
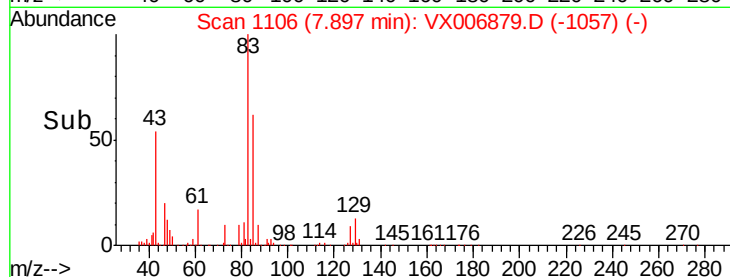
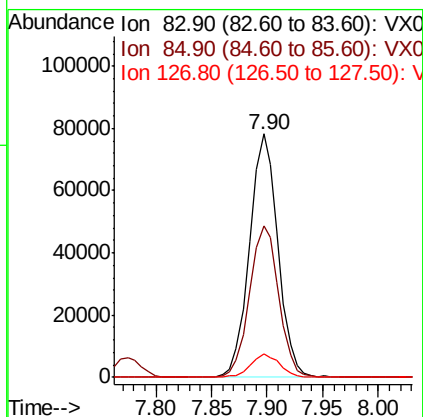
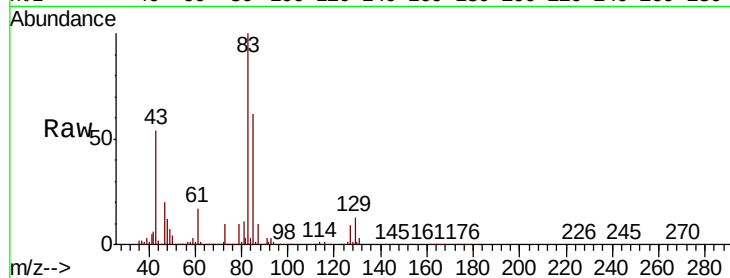
ClientSampled :

VX0102MBSD01

Tot Ion:	83	Resp:	138369
Ion	Ratio	Lower	Upper
83	100		
85	62.1	53.2	79.8
127	9.5	7.8	11.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.187 ug/l

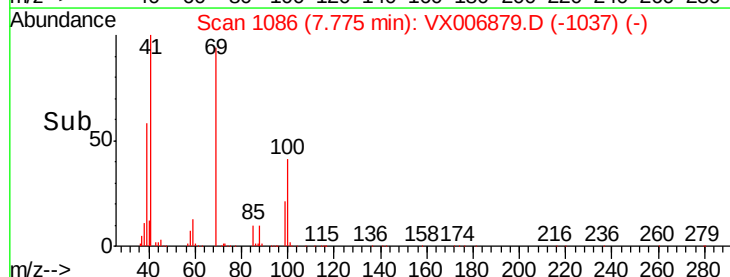
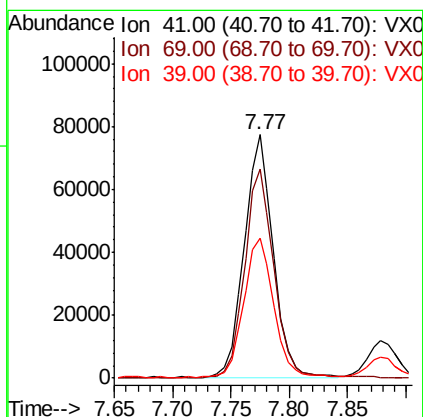
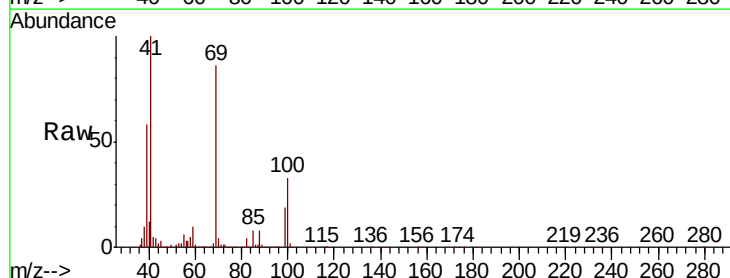
RT: 7.77 min Scan# 1086

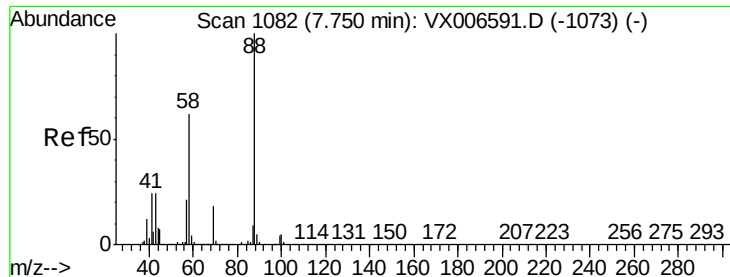
Delta R.T. 0.00 min

Lab File: VX006879.D

Acq: 02 Jan 2019 14:18

Tgt Ion:	41	Resp:	133312
Ion	Ratio	Lower	Upper
41	100		
69	87.6	72.4	108.6
39	60.5	45.8	68.8





#49

1,4-Dioxane

Concen: 335.273 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX006879.D

Acq: 02 Jan 2019 14:18

Instrument :

MSVOA_X

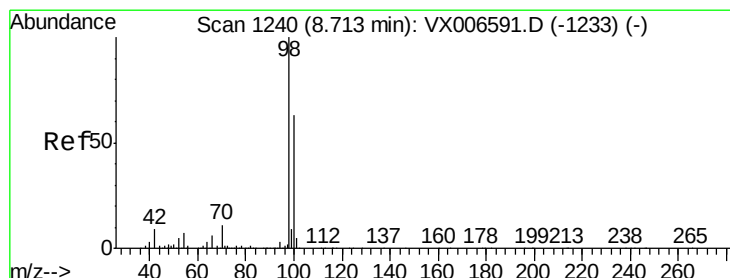
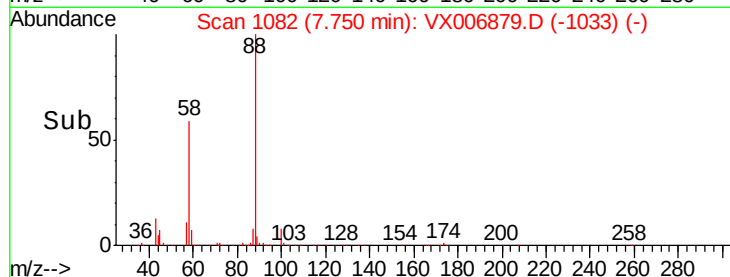
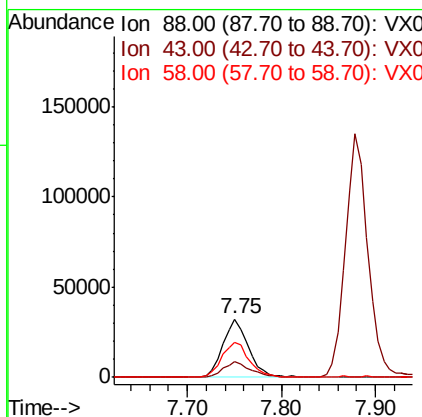
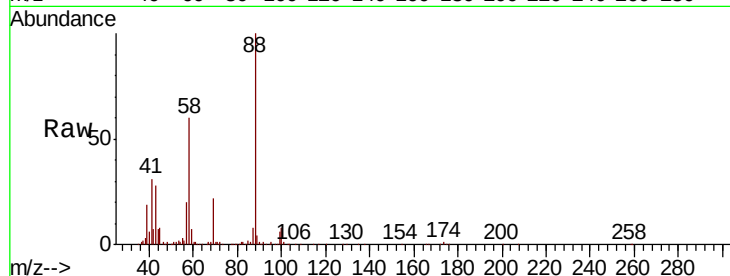
ClientSampleId :

VX0102MBSD01

Tot Ion:	88	Resp:	60213
Ion	Ratio	Lower	Upper
88	100		
43	29.6	22.2	33.4
58	63.2	51.0	76.4

Manual Integrations
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#50

Toluene-d8

Concen: 57.621 ug/l

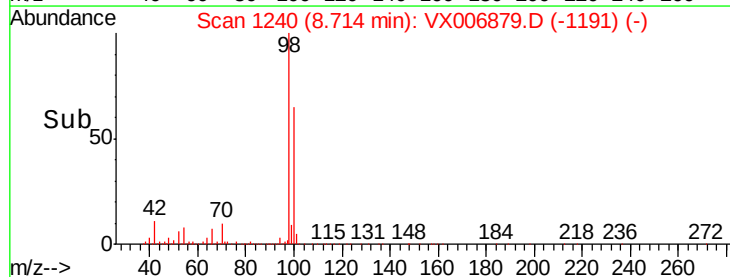
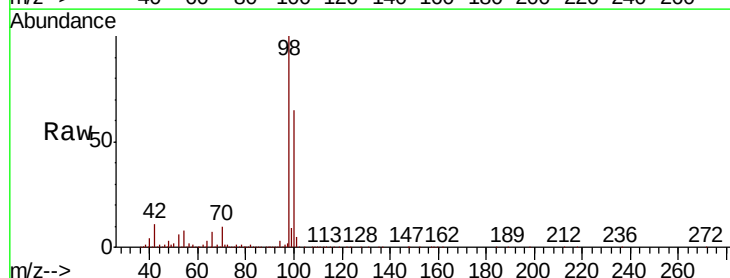
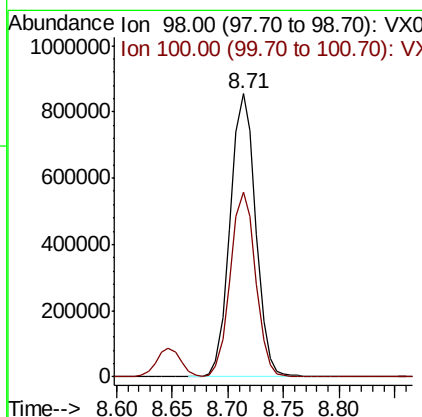
RT: 8.71 min Scan# 1240

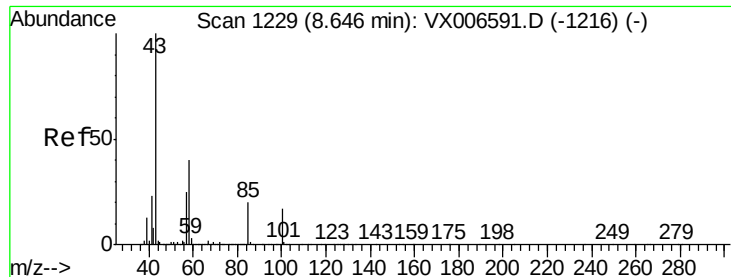
Delta R.T. 0.00 min

Lab File: VX006879.D

Acq: 02 Jan 2019 14:18

Tgt Ion:	98	Resp:	1360084
Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.0	78.0





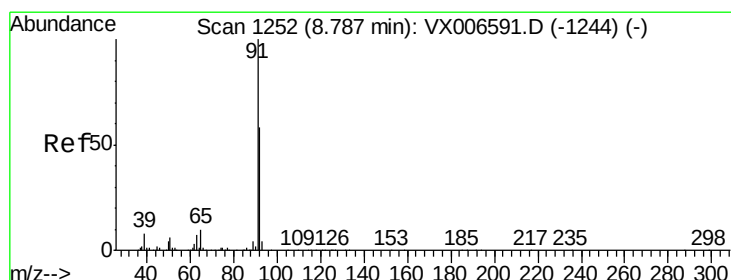
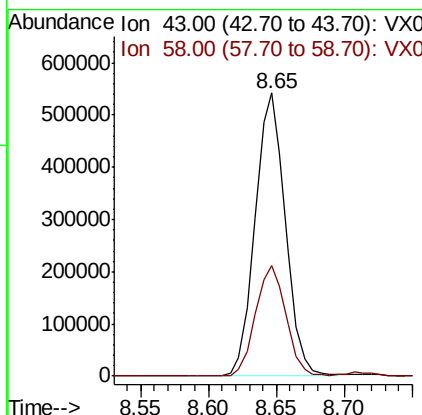
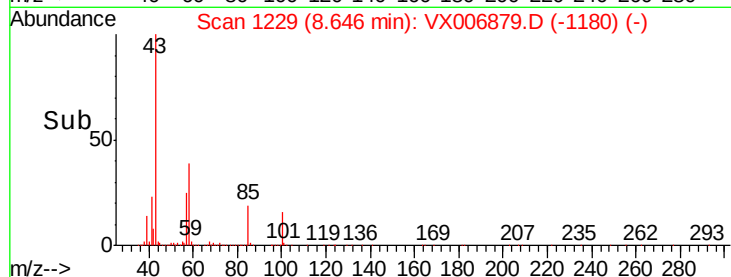
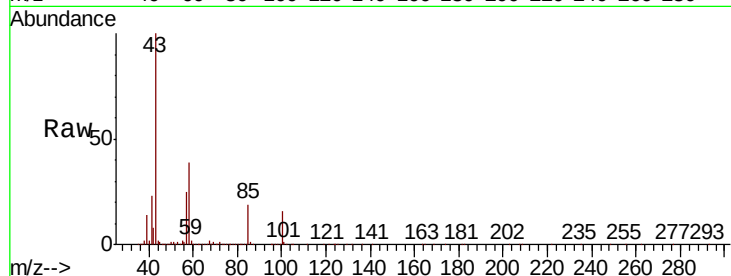
#51
4-Methyl-2-Pentanone
Concen: 102.541 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VX006879.D
Acq: 02 Jan 2019 14:18

Instrument :
MSVOA_X
ClientSampleId :
VX0102MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.2	31.8	47.6

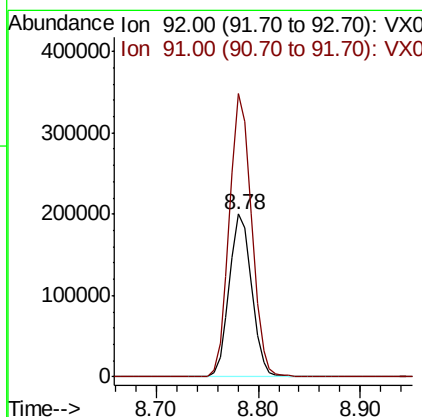
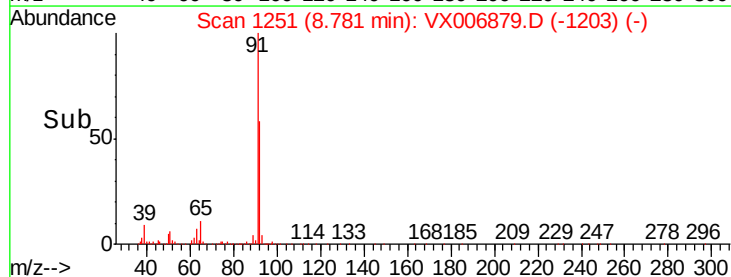
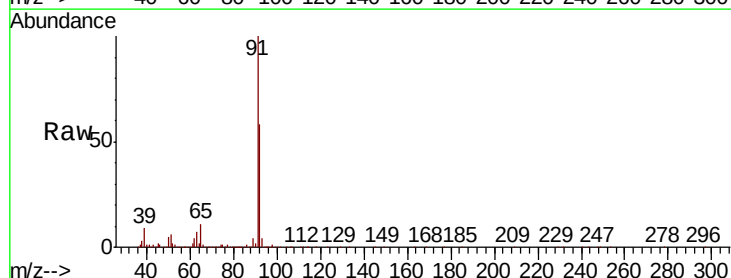
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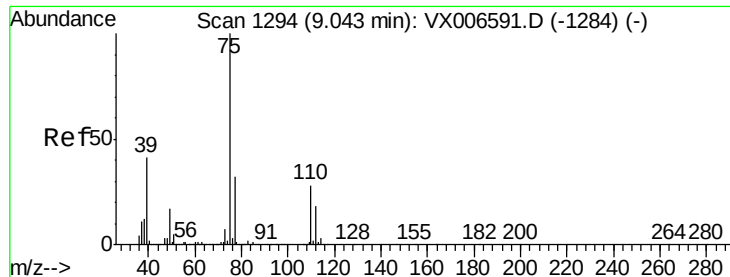
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#52
Toluene
Concen: 18.817 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VX006879.D
Acq: 02 Jan 2019 14:18

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.4	137.6	206.4





#53

t-1,3-Dichloropropene

Concen: 19.486 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX006879.D

Acq: 02 Jan 2019 14:18

Instrument :

MSVOA_X

ClientSampleId :

VX0102MBSD01

Tot Ion: 75 Resp: 154801

Ion Ratio Lower Upper

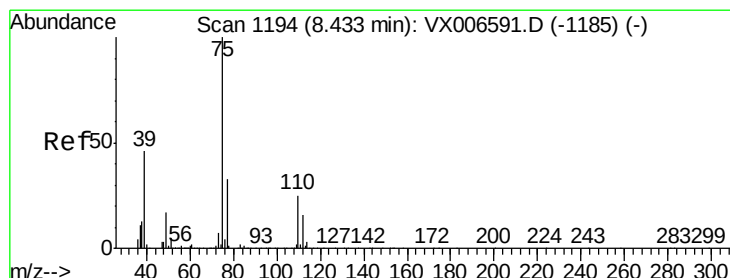
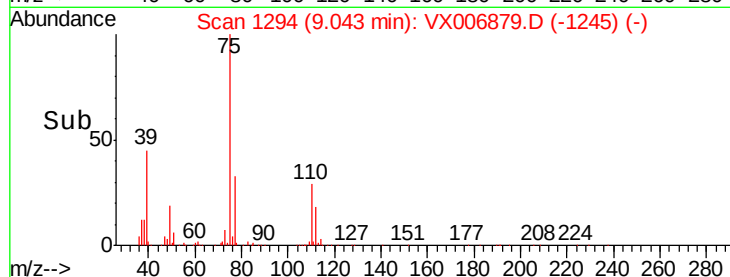
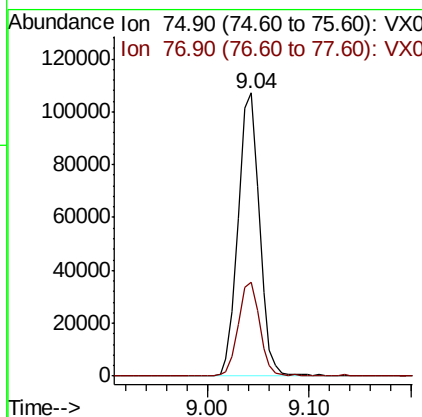
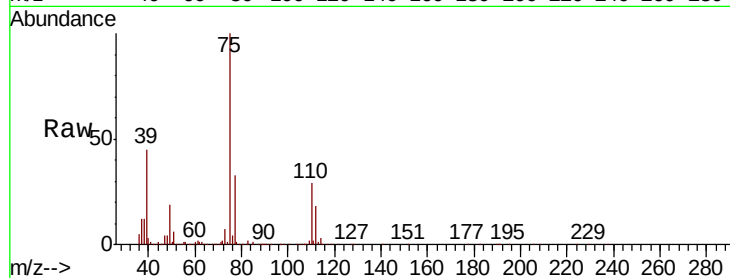
75 100

77 33.1 25.4 38.0

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#54

cis-1,3-Dichloropropene

Concen: 19.660 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX006879.D

Acq: 02 Jan 2019 14:18

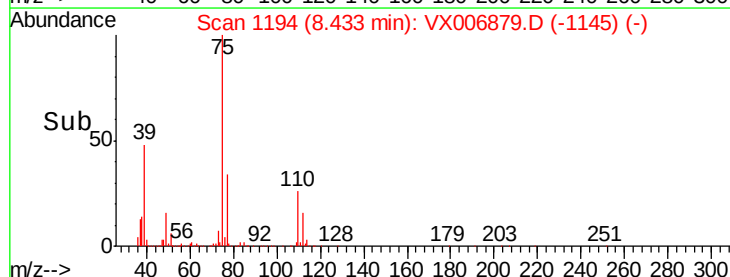
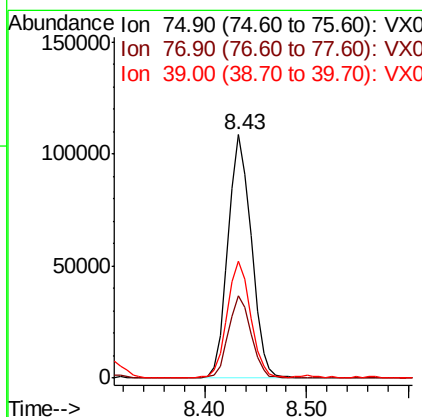
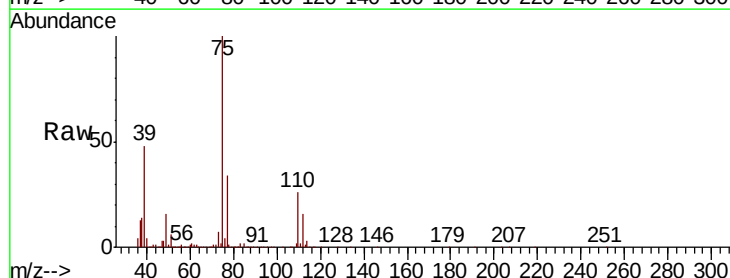
Tgt Ion: 75 Resp: 171369

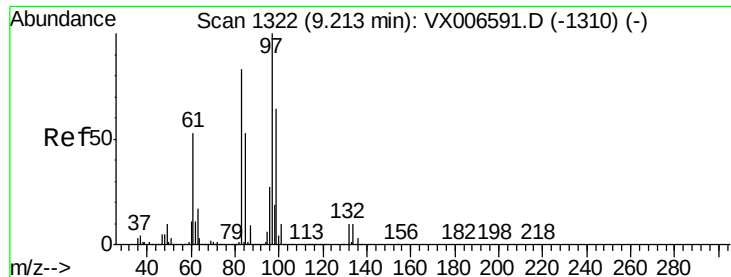
Ion Ratio Lower Upper

75 100

77 33.6 26.2 39.2

39 47.6 36.7 55.1





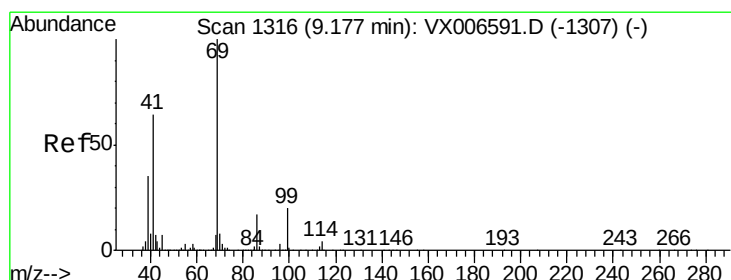
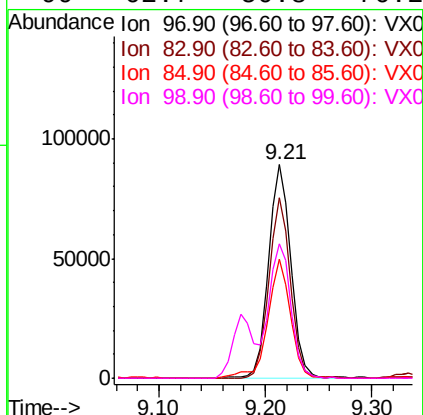
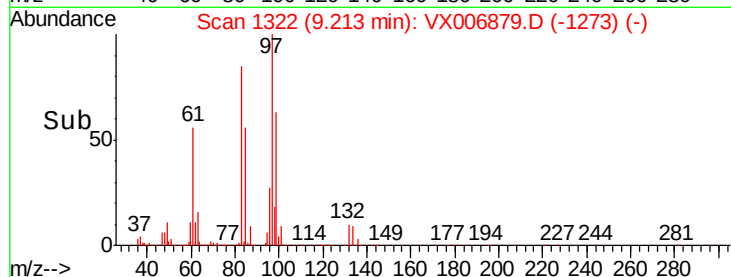
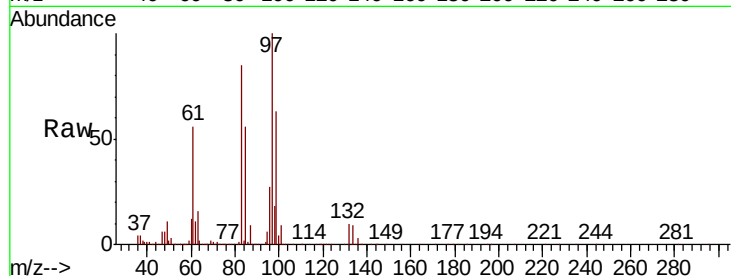
#55
 1,1,2-Trichloroethane
 Concen: 19.944 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX006879.D
 Acq: 02 Jan 2019 14:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0102MBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		131454		
83	84.7	66.6	99.8		
85	55.6	42.7	64.1		
99	62.7	50.8	76.2		

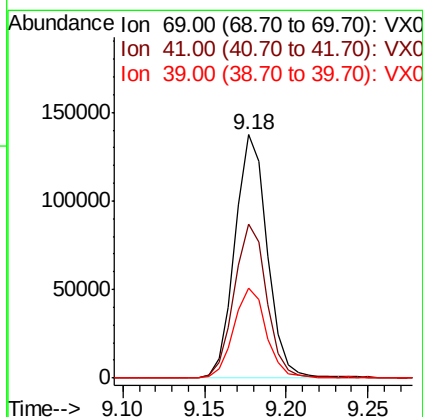
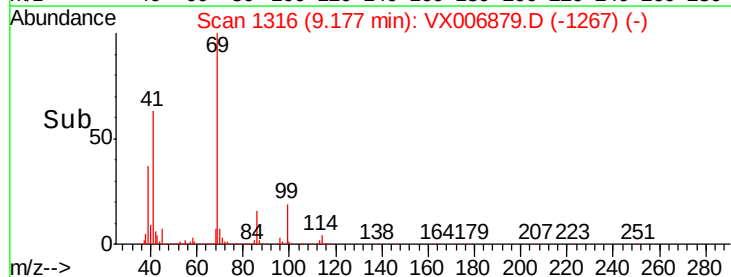
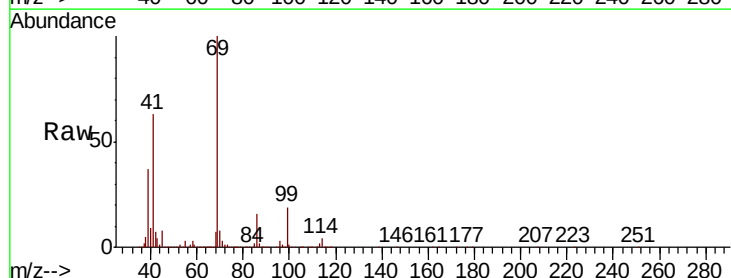
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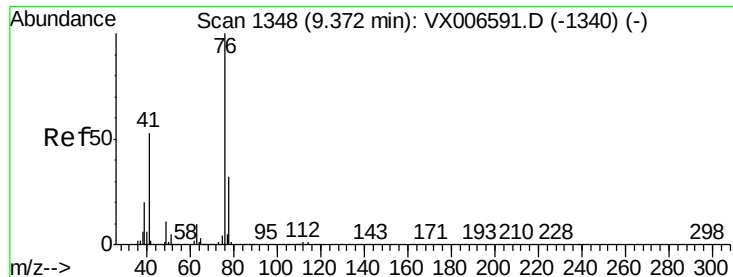
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#56
 Ethyl methacrylate
 Concen: 20.349 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX006879.D
 Acq: 02 Jan 2019 14:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		189564		
41	63.4	48.7	73.1		
39	36.9	27.0	40.6		





#57

1,3-Dichloropropane

Concen: 19.085 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX006879.D

Acq: 02 Jan 2019 14:18

Instrument :

MSVOA_X

ClientSampleId :

VX0102MBS01

Tot Ion: 76 Resp: 202388

Ion Ratio Lower Upper

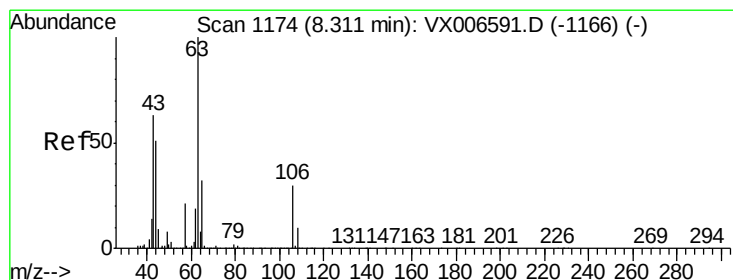
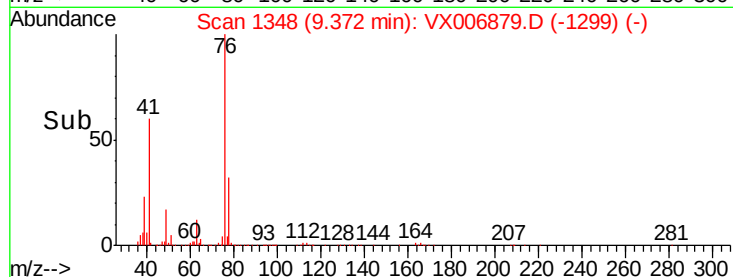
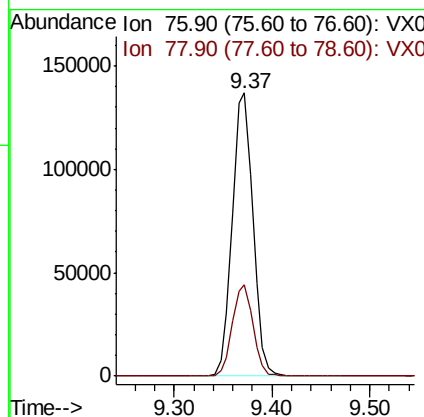
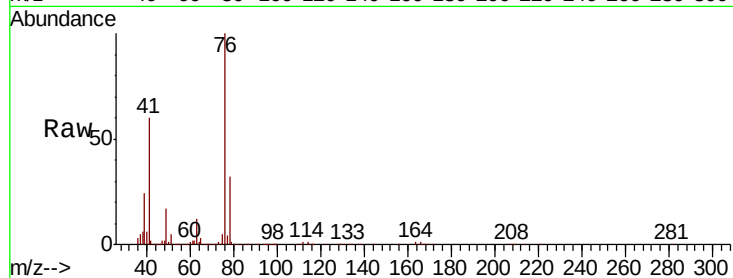
76 100

78 32.2 26.0 39.0

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#58

2-Chloroethyl Vinyl ether

Concen: 113.493 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX006879.D

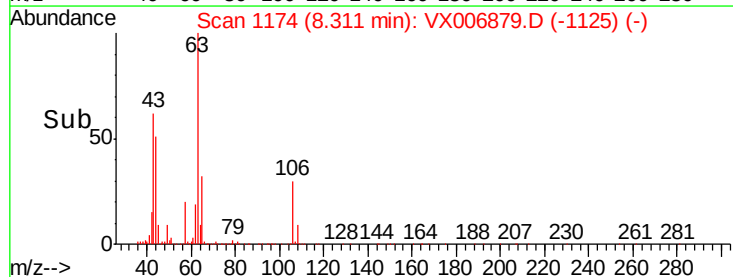
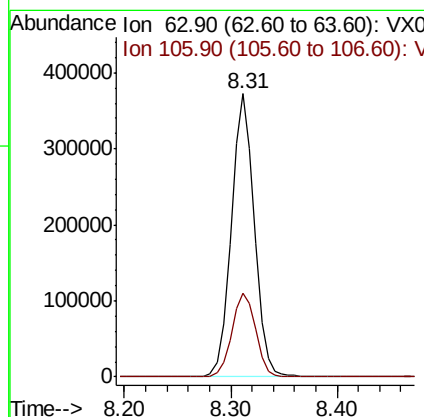
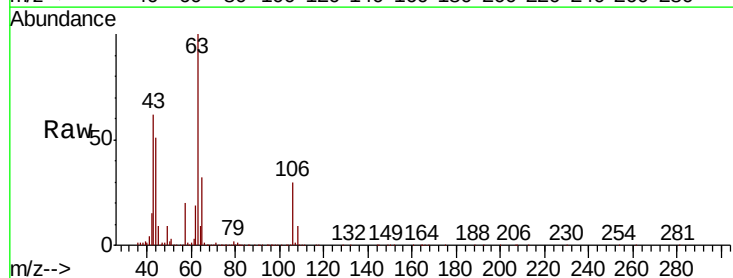
Acq: 02 Jan 2019 14:18

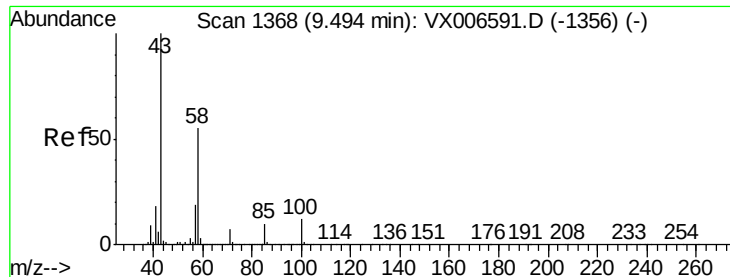
Tgt Ion: 63 Resp: 562012

Ion Ratio Lower Upper

63 100

106 30.7 24.6 36.8





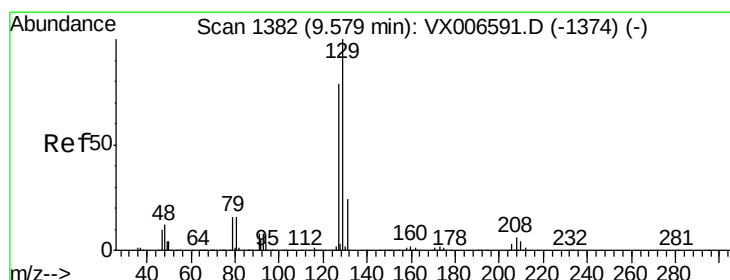
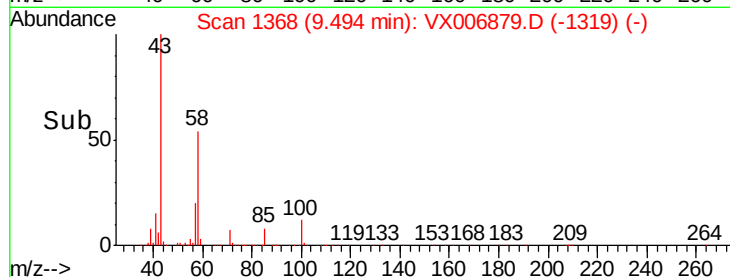
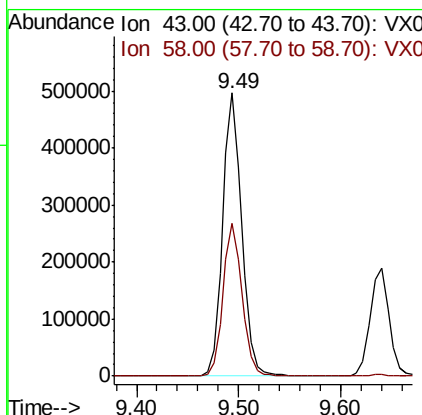
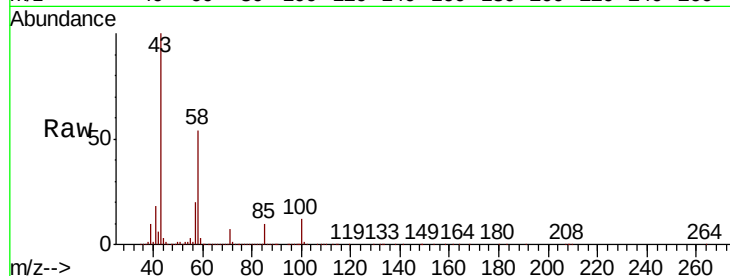
#59
2-Hexanone
Concen: 102.308 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX006879.D
Acq: 02 Jan 2019 14:18

Instrument :
MSVOA_X
ClientSampleId :
VX0102MBSD01

Tot Ion: 43 Resp: 646774
Ion Ratio Lower Upper
43 100
58 53.9 27.7 83.1

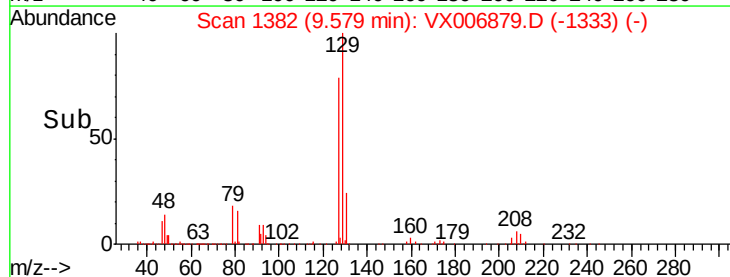
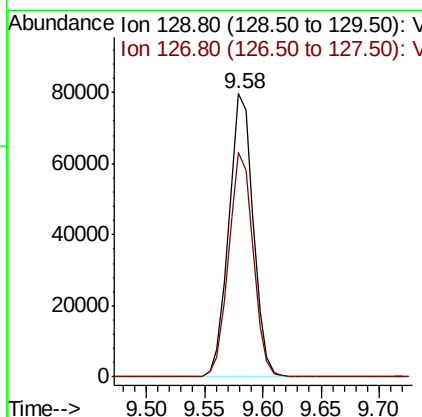
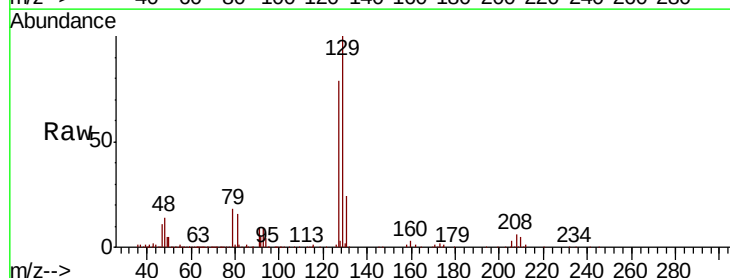
Manual Integrations
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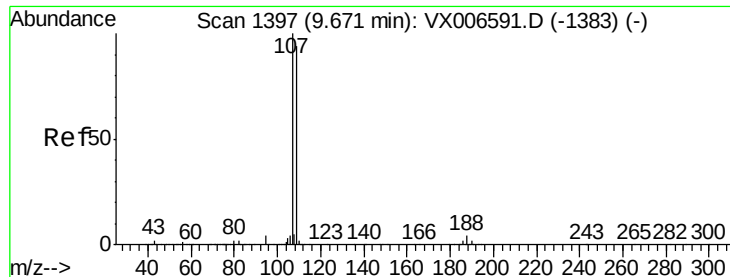
MMDadoda
1/3/2019 9:43:21 AM



#60
Dibromochloromethane
Concen: 18.432 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX006879.D
Acq: 02 Jan 2019 14:18

Tgt Ion: 129 Resp: 116457
Ion Ratio Lower Upper
129 100
127 79.4 39.3 117.8





#61

1,2-Dibromoethane

Concen: 19.456 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX006879.D

Acq: 02 Jan 2019 14:18

Instrument :

MSVOA_X

ClientSampleId :

VX0102MBSD01

Tot Ion: 107 Resp: 136318

Ion Ratio Lower Upper

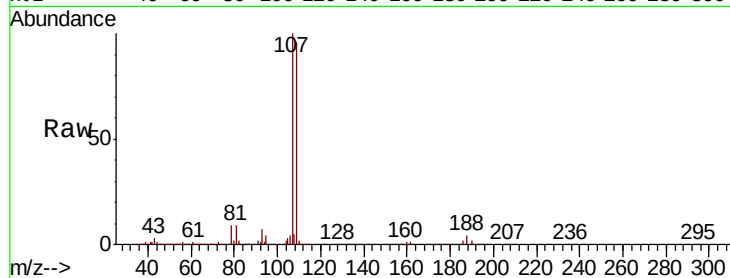
107 100

109 93.3 75.8 113.6

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

100000

80000

60000

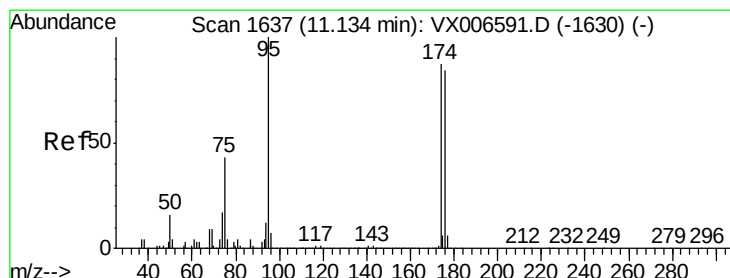
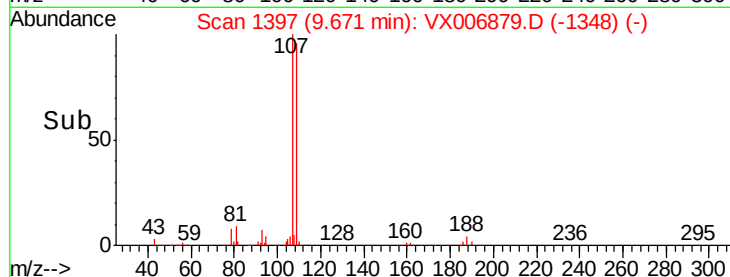
40000

20000

0

9.60 9.65 9.70 9.75 9.80

Time-->



#62

4-Bromofluorobenzene

Concen: 59.259 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX006879.D

Acq: 02 Jan 2019 14:18

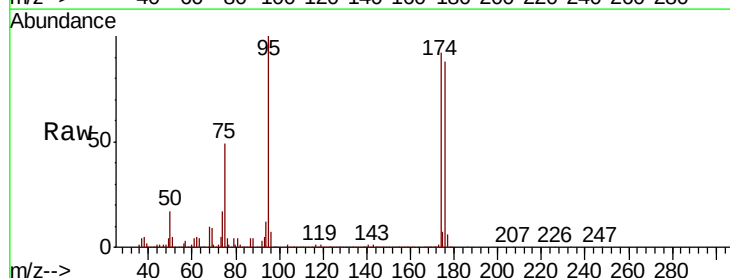
Tgt Ion: 95 Resp: 512285

Ion Ratio Lower Upper

95 100

174 96.0 0.0 182.2

176 92.8 0.0 178.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13

500000

400000

300000

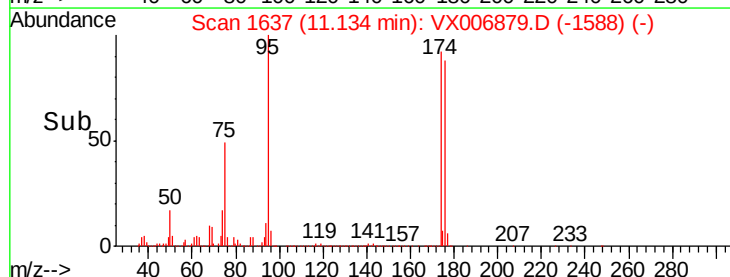
200000

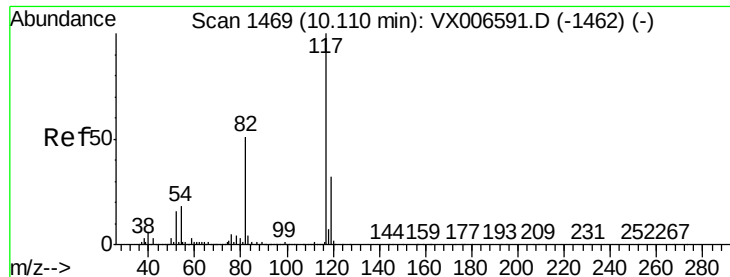
100000

0

11.10 11.20

Time-->





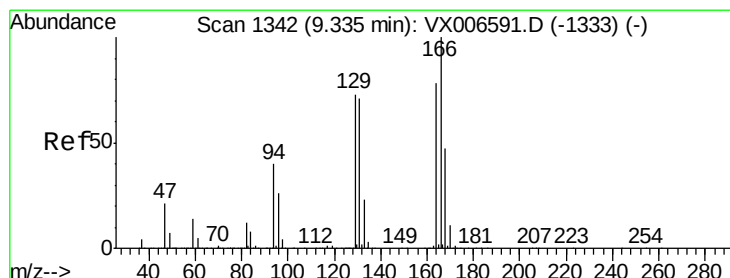
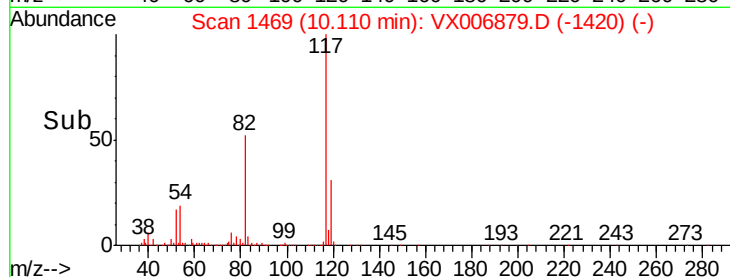
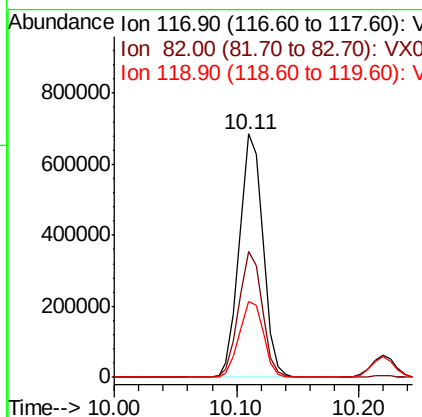
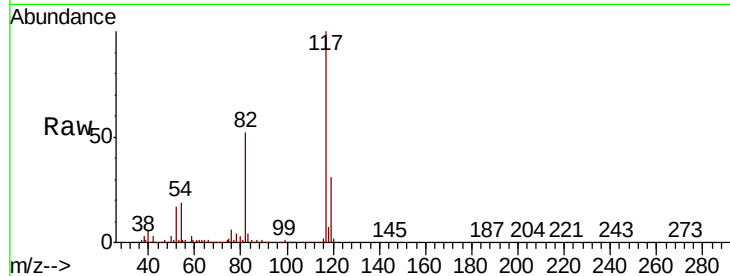
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX006879.D
Acq: 02 Jan 2019 14:18

Instrument :
MSVOA_X
ClientSampleId :
VX0102MBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.7	41.0	61.6
119	31.0	25.4	38.0

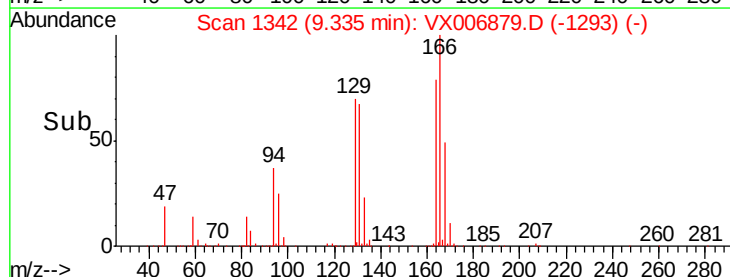
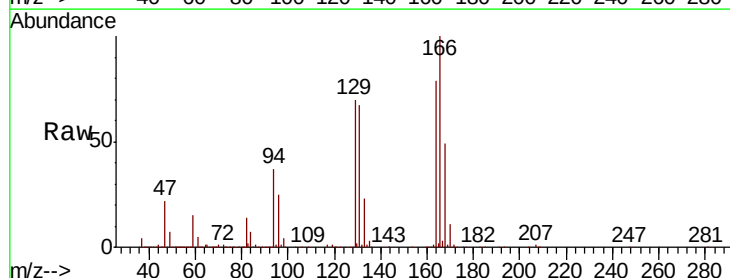
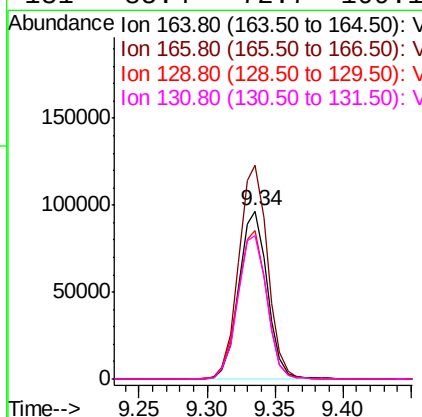
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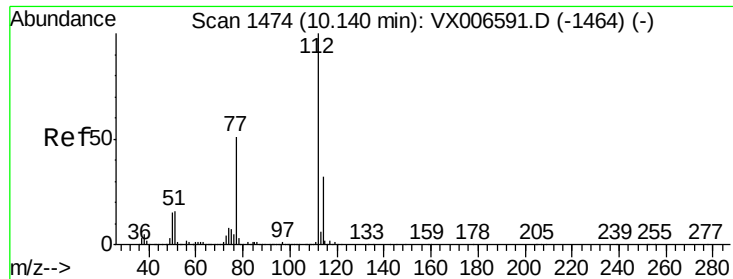
MMDadoda
1/3/2019 9:43:21 AM



#64
Tetrachloroethene
Concen: 19.452 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX006879.D
Acq: 02 Jan 2019 14:18

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.1	102.5	153.7
129	88.6	75.1	112.7
131	85.4	72.7	109.1





#65

Chlorobenzene

Concen: 18.638 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.01 min

Lab File: VX006879.D

Acq: 02 Jan 2019 14:18

Instrument :

MSVOA_X

ClientSampleId :

VX0102MBSD01

Tot Ion:112 Resp: 360626

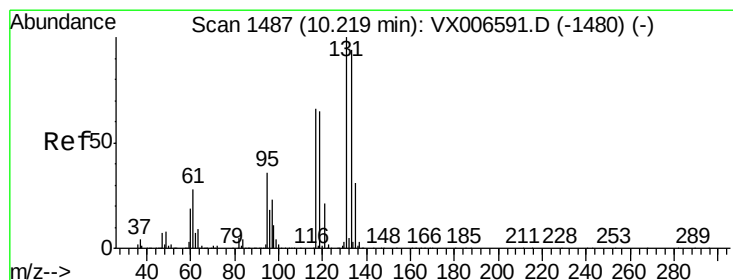
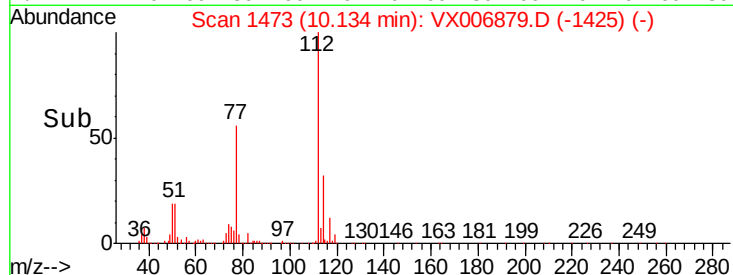
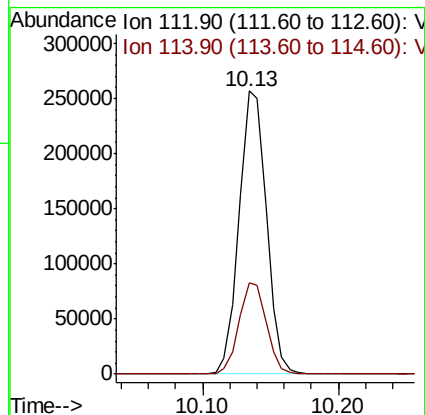
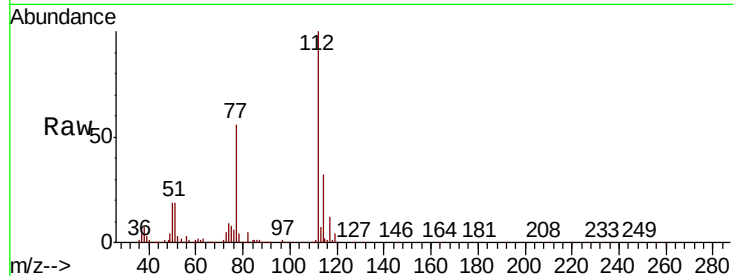
Ion Ratio Lower Upper

112 100

114 32.0 25.7 38.5

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#66

1,1,1,2-Tetrachloroethane

Concen: 20.898 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX006879.D

Acq: 02 Jan 2019 14:18

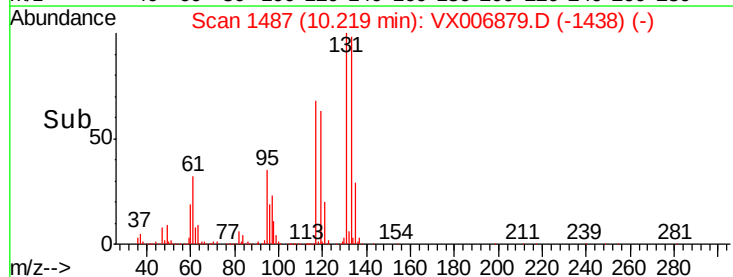
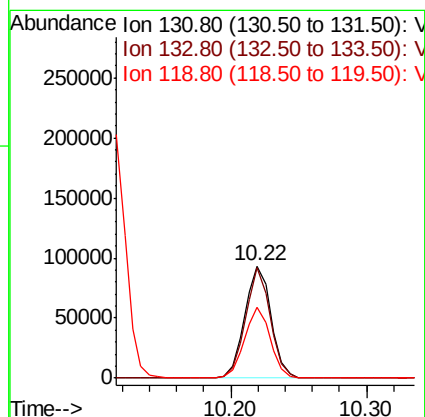
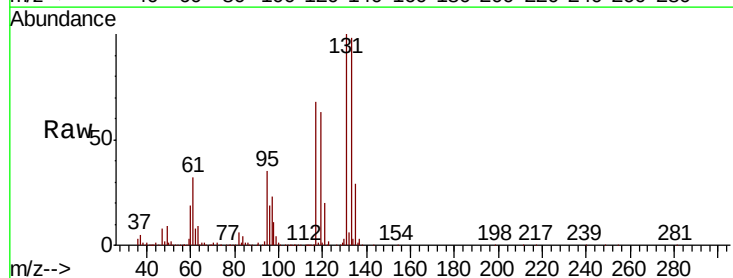
Tgt Ion:131 Resp: 126157

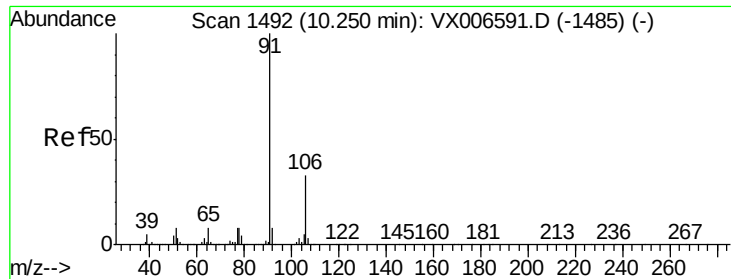
Ion Ratio Lower Upper

131 100

133 93.0 48.0 144.2

119 61.7 32.6 97.8





#67

Ethyl Benzene

Concen: 18.965 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX006879.D

Acq: 02 Jan 2019 14:18

Instrument :

MSVOA_X

ClientSampleId :

VX0102MBSD01

Tot Ion: 91 Resp: 599600

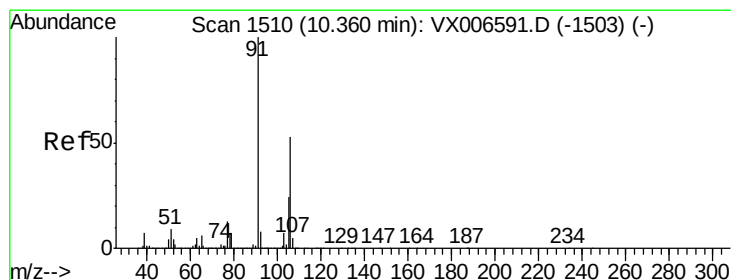
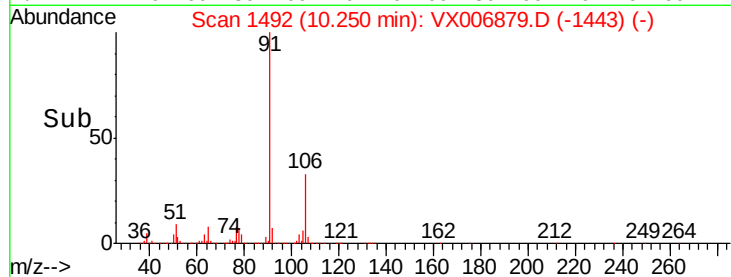
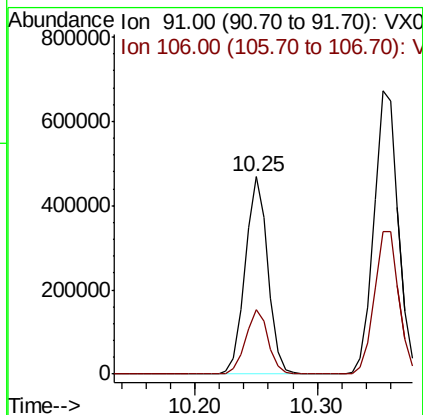
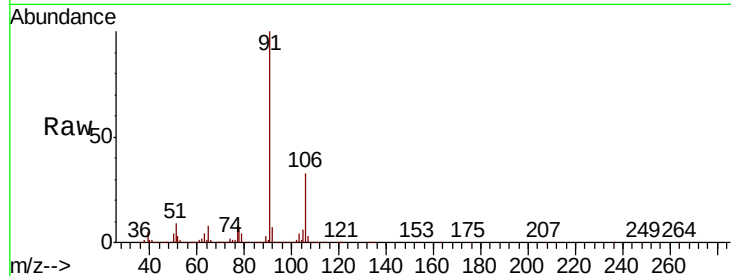
Ion Ratio Lower Upper

91 100

106 33.0 26.4 39.6

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#68

m/p-Xylenes

Concen: 38.008 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX006879.D

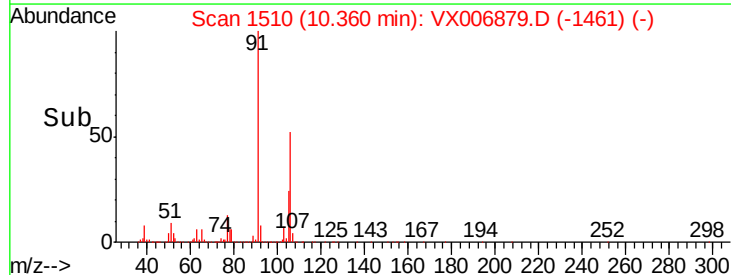
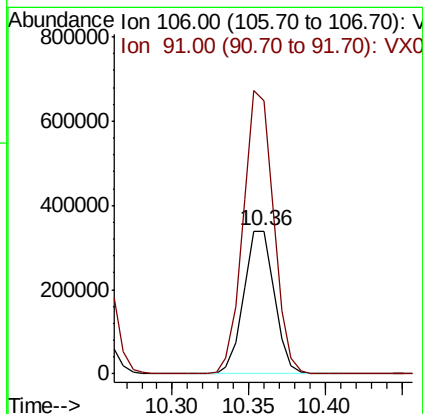
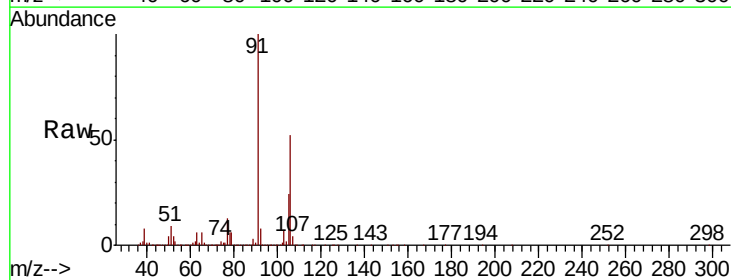
Acq: 02 Jan 2019 14:18

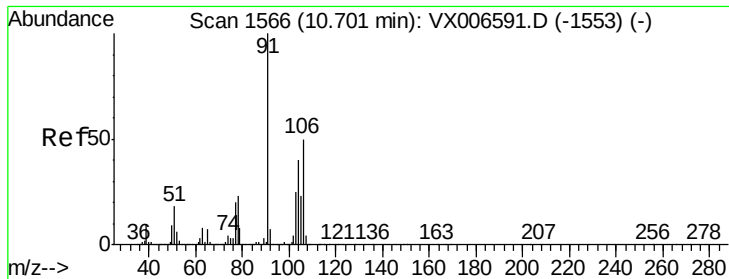
Tgt Ion: 106 Resp: 474187

Ion Ratio Lower Upper

106 100

91 195.3 155.8 233.6





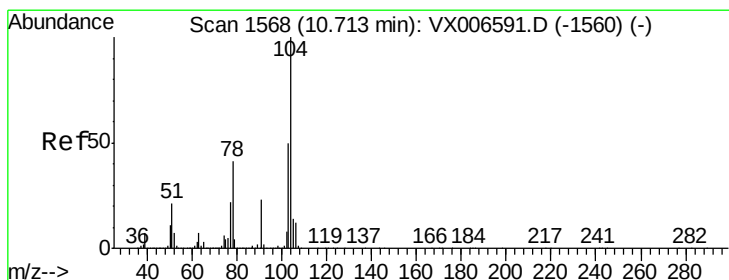
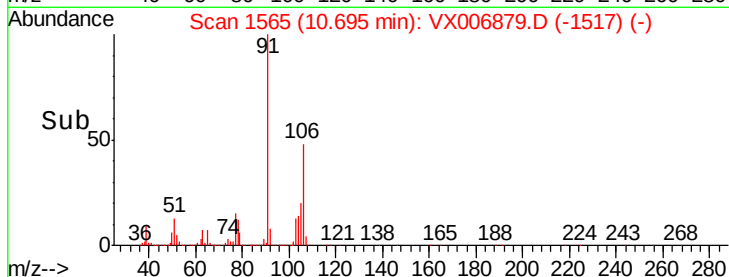
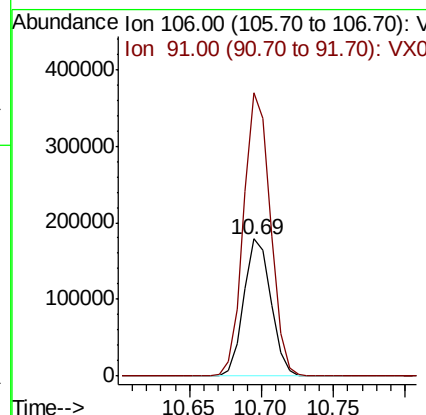
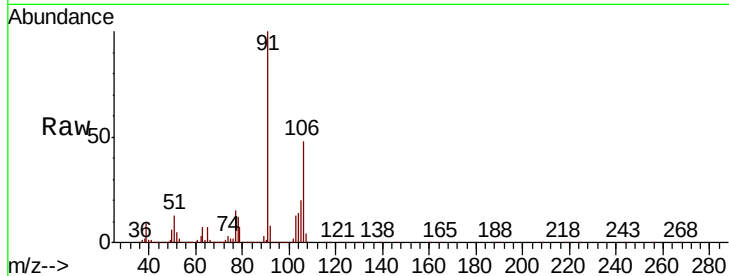
#69
o-Xylene
Concen: 19.017 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX006879.D
Acq: 02 Jan 2019 14:18

Instrument :
MSVOA_X
ClientSampleId :
VX0102MBSD01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	204.1	101.3	303.7	

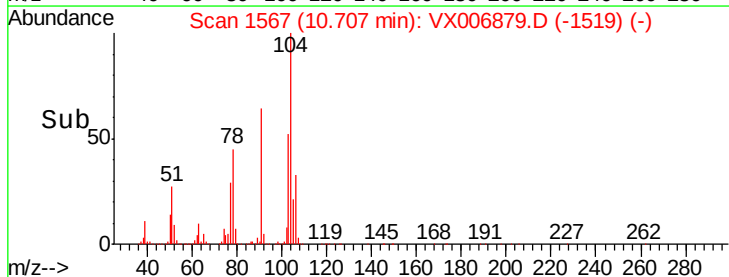
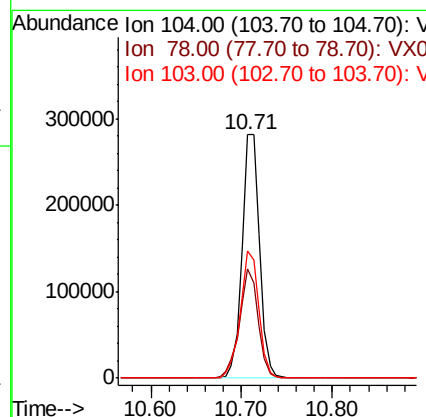
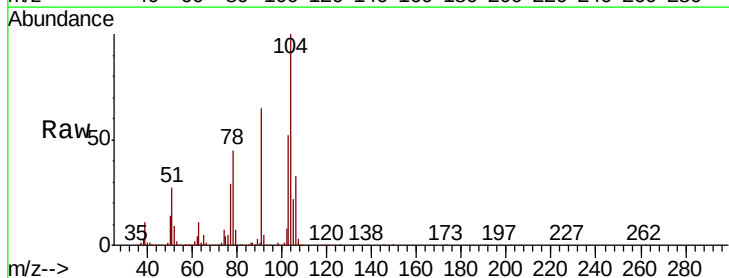
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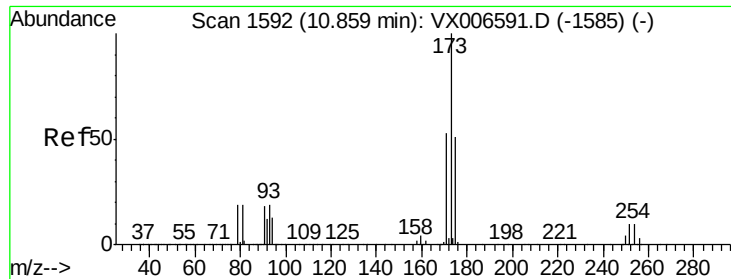
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#70
Styrene
Concen: 19.315 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX006879.D
Acq: 02 Jan 2019 14:18

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	47.7	37.7	56.5	
103	55.2	43.8	65.8	





#71

Bromoform

Concen: 19.201 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.01 min

Lab File: VX006879.D

Acq: 02 Jan 2019 14:18

Instrument :

MSVOA_X

ClientSampleId :

VX0102MBSD01

Tot Ion:173 Resp: 88127

Ion Ratio Lower Upper

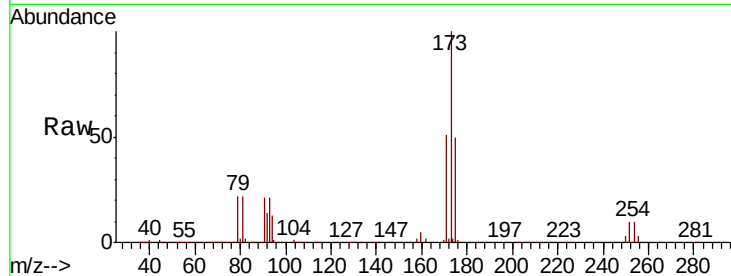
173 100

175 49.5 24.7 74.1

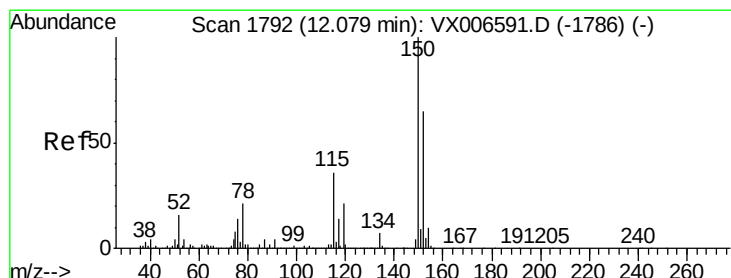
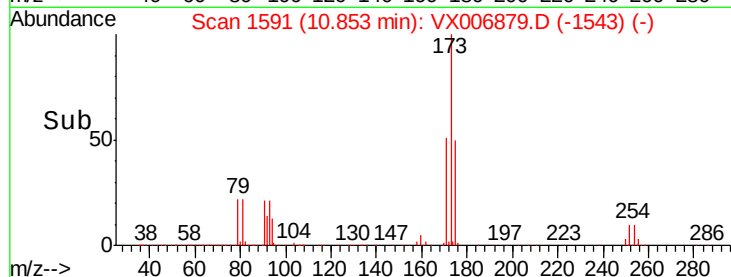
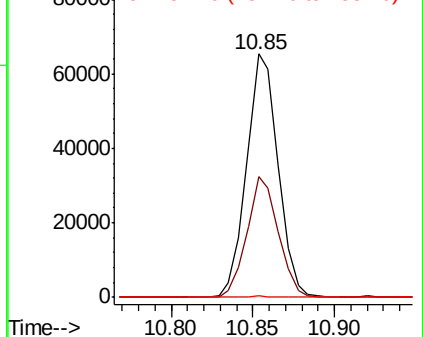
254 0.2 0.2 0.2

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX006879.D

Acq: 02 Jan 2019 14:18

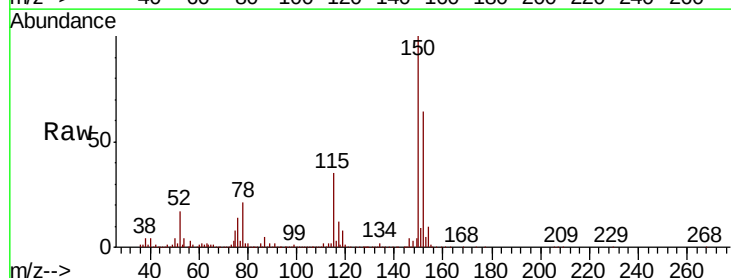
Tgt Ion:152 Resp: 490959

Ion Ratio Lower Upper

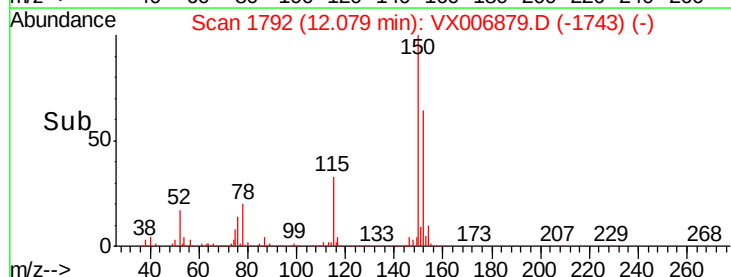
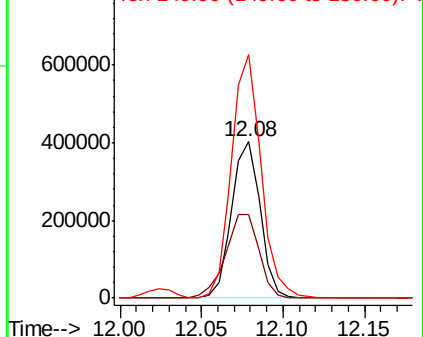
152 100

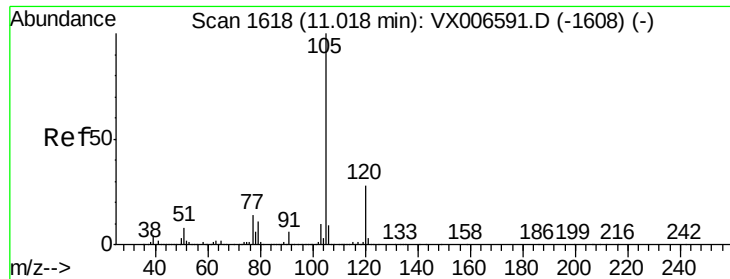
115 62.6 39.1 117.2

150 161.3 0.0 344.8



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





#73

Isopropylbenzene

Concen: 18.695 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX006879.D

Acq: 02 Jan 2019 14:18

Instrument :

MSVOA_X

ClientSampleId :

VX0102MBS01

Tot Ion: 105 Resp: 627926

Ion Ratio Lower Upper

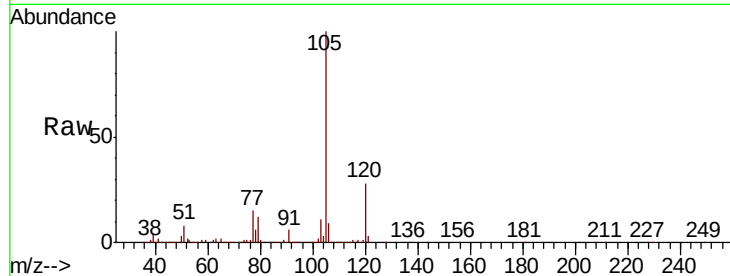
105 100

120 27.9 14.1 42.4

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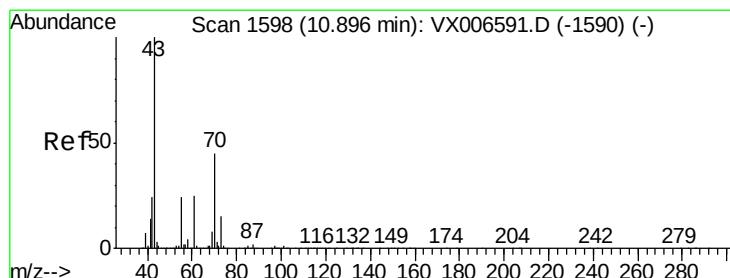
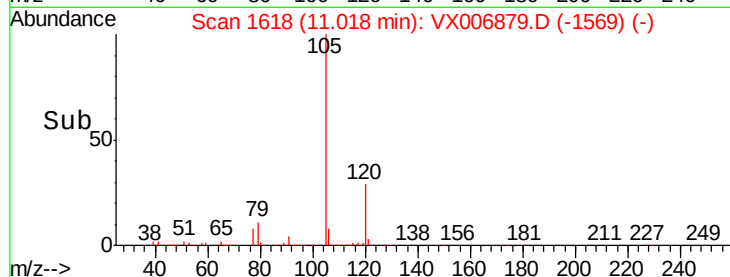
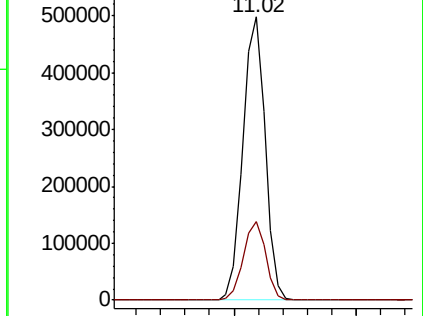
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.608 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX006879.D

Acq: 02 Jan 2019 14:18

Tgt Ion: 43 Resp: 247762

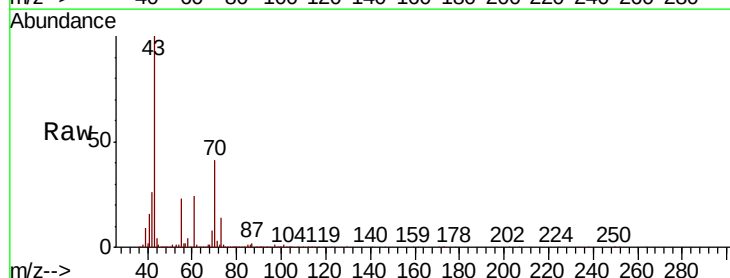
Ion Ratio Lower Upper

43 100

70 41.4 35.8 53.8

55 23.0 19.4 29.0

61 23.5 20.1 30.1

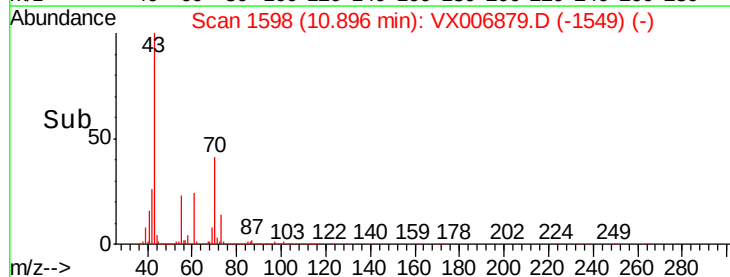
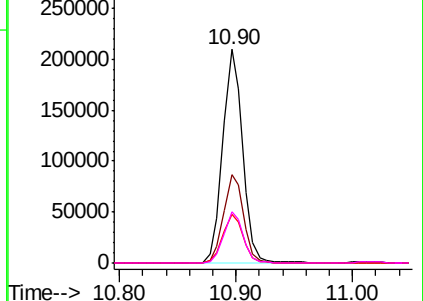


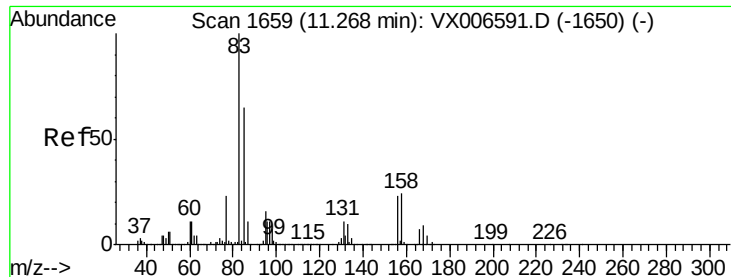
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.011 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX006879.D

Acq: 02 Jan 2019 14:18

Instrument :

MSVOA_X

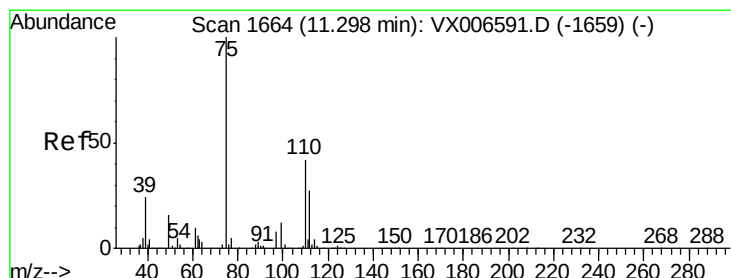
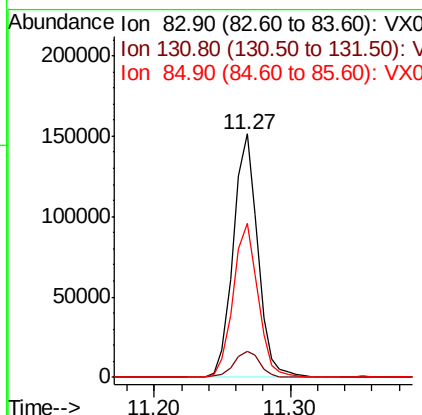
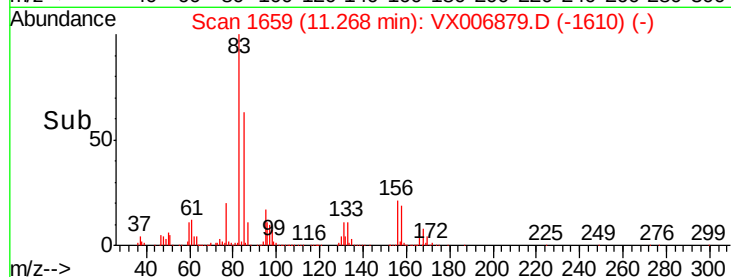
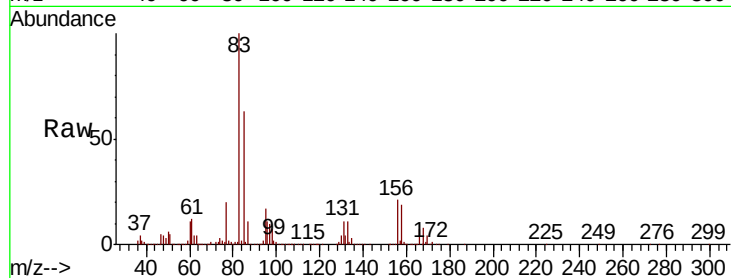
ClientSampleId :

VX0102MBSD01

Tot Ion:	83	Resp:	189904
Ion Ratio	Lower	Upper	
83	100		
131	11.5	5.7	17.1
85	64.1	32.2	96.6

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#76

1,2,3-Trichloropropane

Concen: 19.447 ug/l m

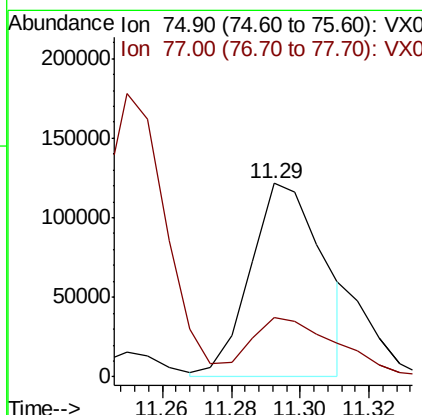
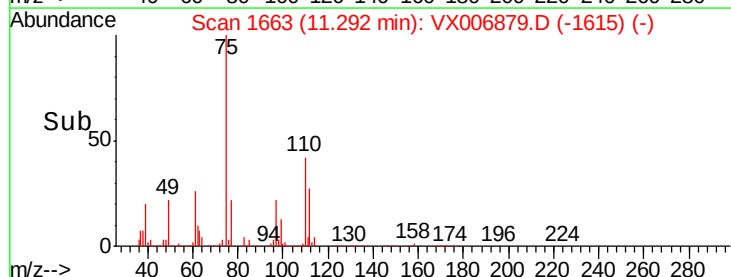
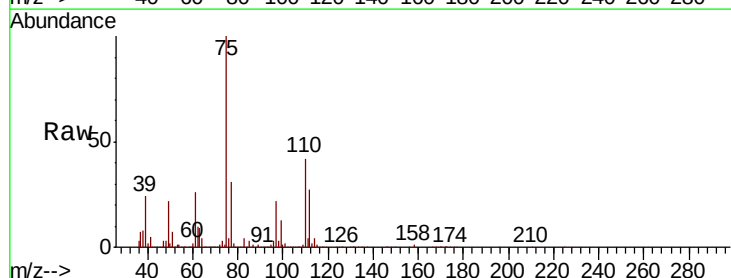
RT: 11.29 min Scan# 1663

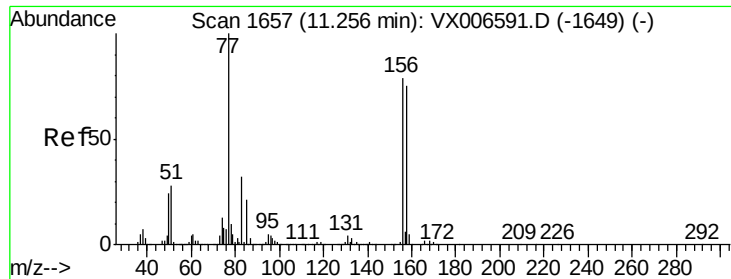
Delta R.T. -0.01 min

Lab File: VX006879.D

Acq: 02 Jan 2019 14:18

Tgt Ion:	75	Resp:	177435
Ion Ratio	Lower	Upper	
75	100		
77	37.2	18.5	55.5





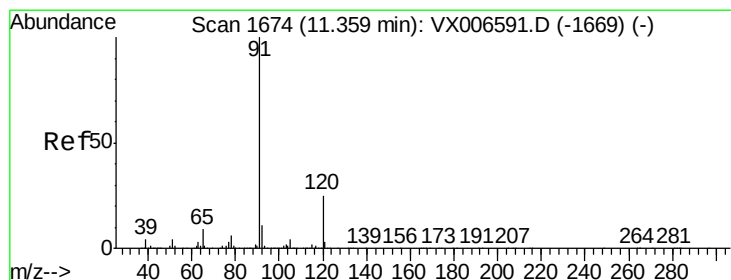
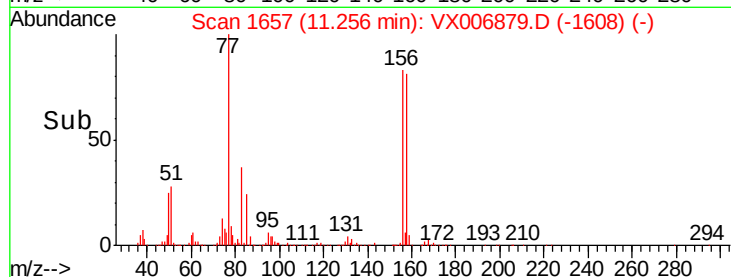
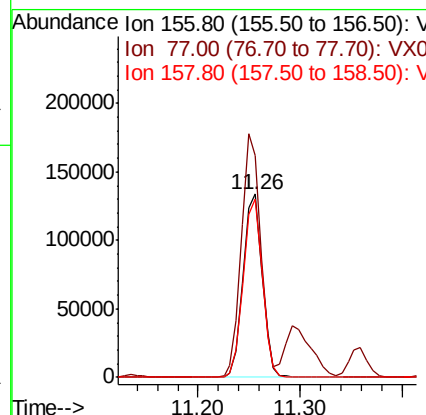
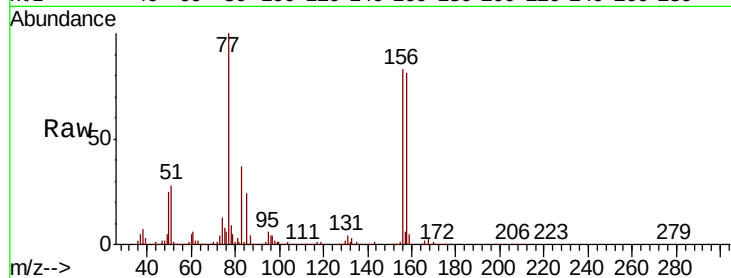
#77
Bromobenzene
Concen: 18.964 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. 0.00 min
Lab File: VX006879.D
Acq: 02 Jan 2019 14:18

Instrument :
MSVOA_X
ClientSampleId :
VX0102MBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	133.1	68.0	204.0
158	97.4	48.3	144.8

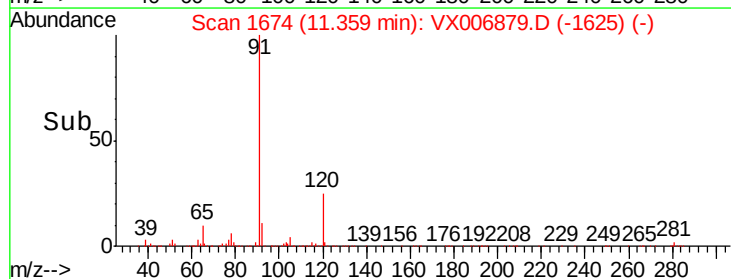
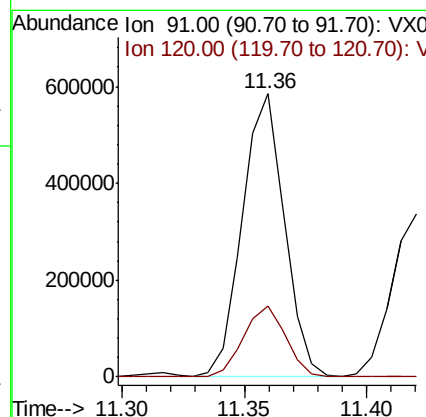
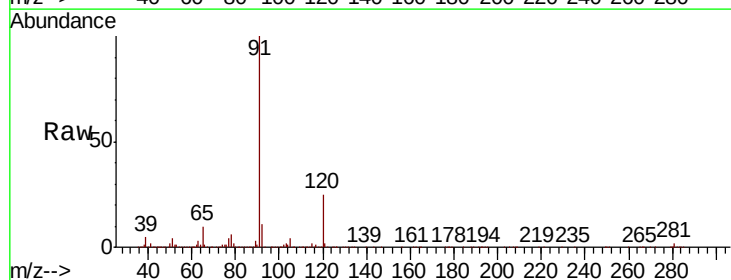
Manual Integrations
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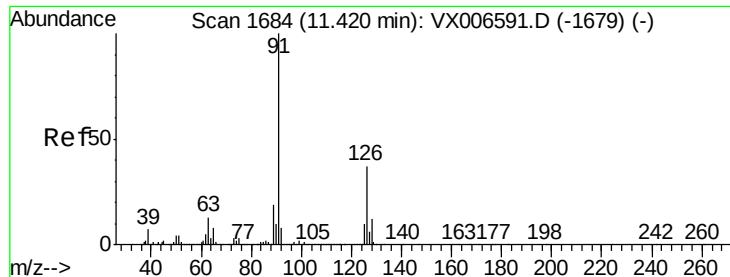
MMDadoda
1/3/2019 9:43:21 AM



#78
n-propylbenzene
Concen: 18.880 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VX006879.D
Acq: 02 Jan 2019 14:18

Tgt Ion	Ratio	Lower	Upper
91	100		
120	25.3	12.7	38.0





#79

2-Chlorotoluene

Concen: 18.317 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX006879.D

Acq: 02 Jan 2019 14:18

Instrument :

MSVOA_X

ClientSampleId :

VX0102MBSD01

Tot Ion: 91 Resp: 410557

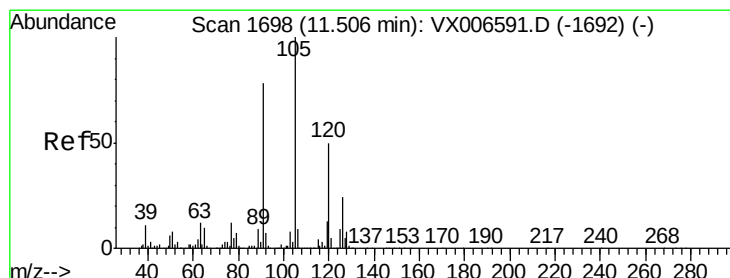
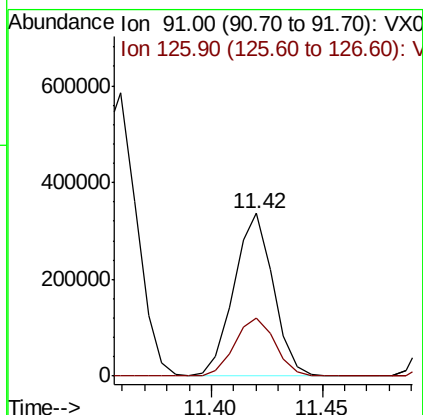
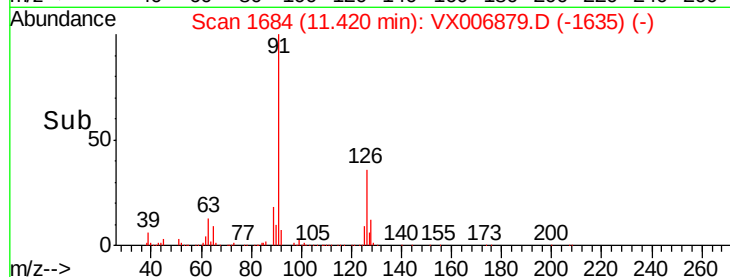
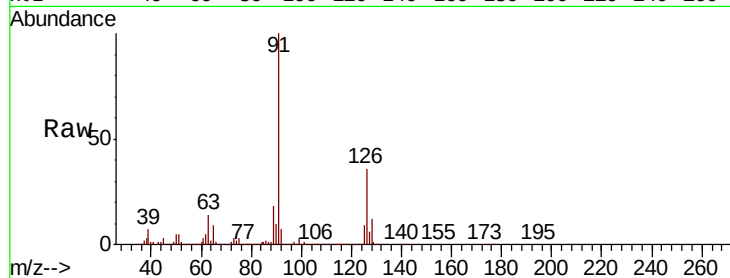
Ion Ratio Lower Upper

91 100

126 37.3 18.6 56.0

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#80

1,3,5-Trimethylbenzene

Concen: 18.870 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX006879.D

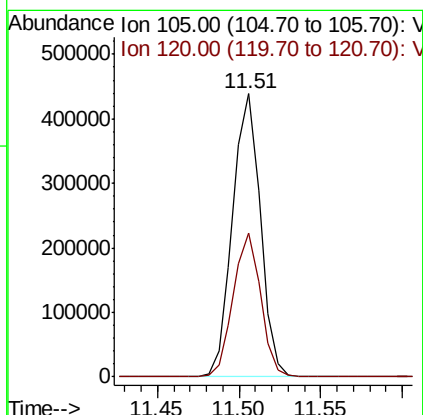
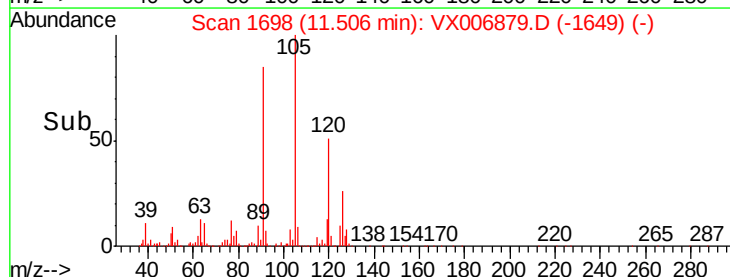
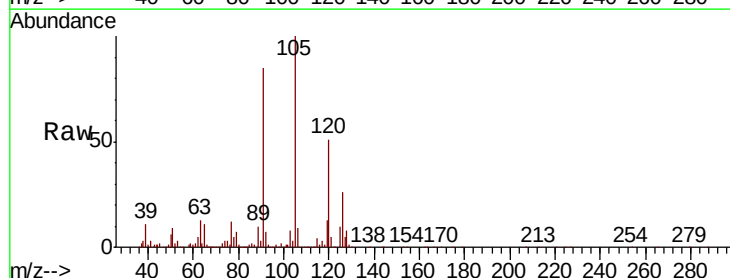
Acq: 02 Jan 2019 14:18

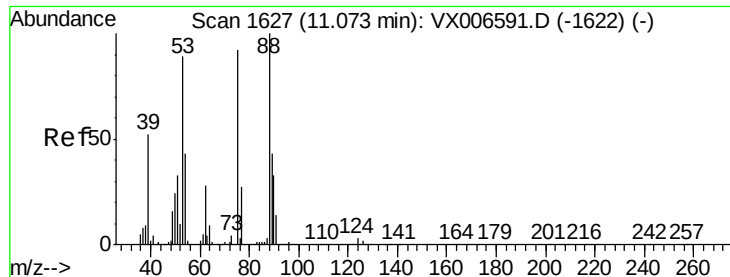
Tgt Ion: 105 Resp: 522047

Ion Ratio Lower Upper

105 100

120 49.8 25.1 75.3





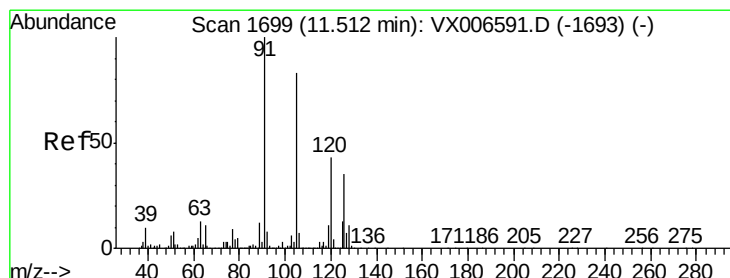
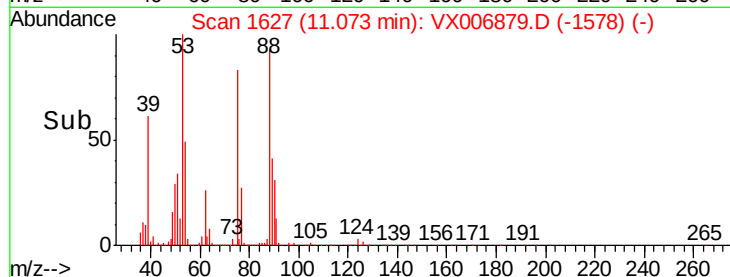
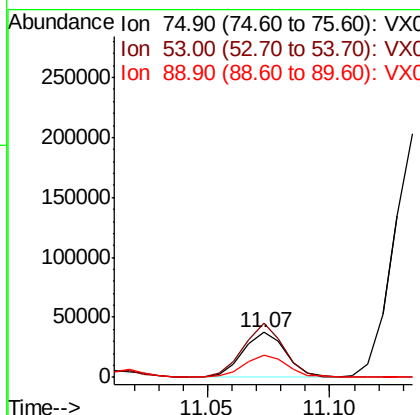
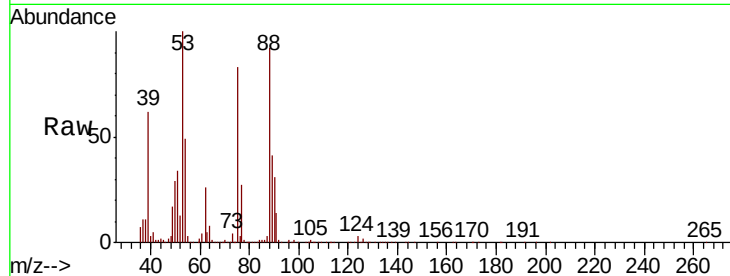
#81
trans-1,4-Dichloro-2-butene
Concen: 18.178 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX006879.D
Acq: 02 Jan 2019 14:18

Instrument :
MSVOA_X
ClientSampleId :
VX0102MBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	114.5	79.7	119.5
89	49.1	38.0	57.0

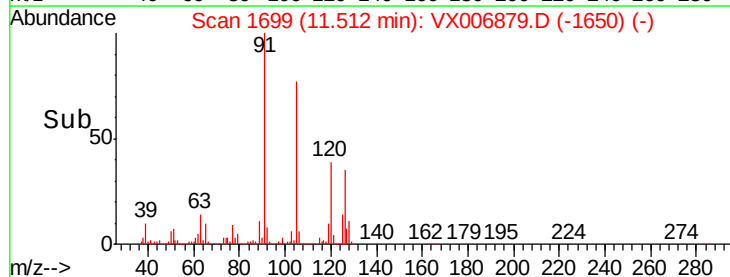
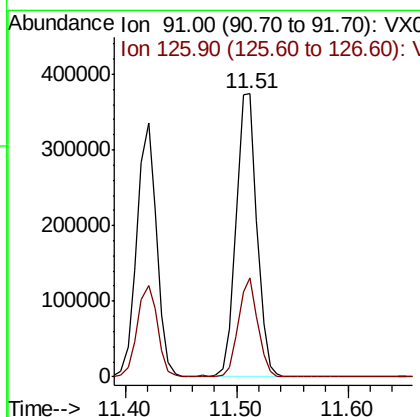
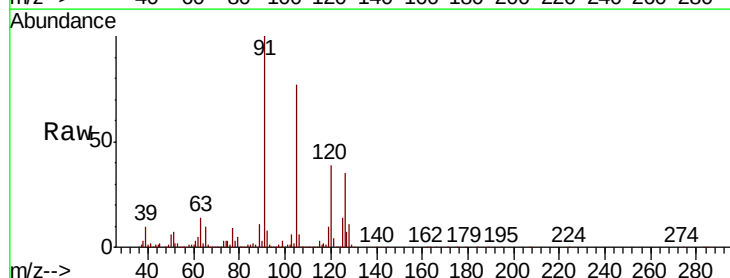
Manual Integrations
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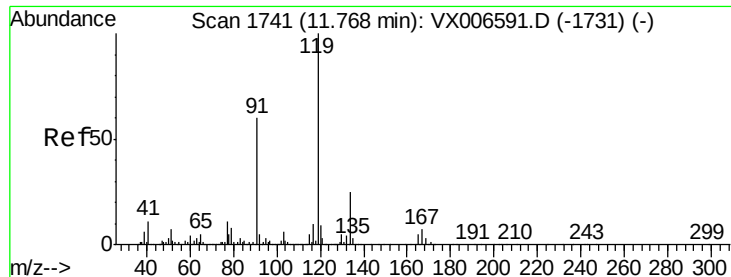
MMDadoda
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#82
4-Chlorotoluene
Concen: 18.838 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX006879.D
Acq: 02 Jan 2019 14:18

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.3	48.9





#83

tert-Butylbenzene

Concen: 18.647 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX006879.D

Acq: 02 Jan 2019 14:18

Instrument :

MSVOA_X

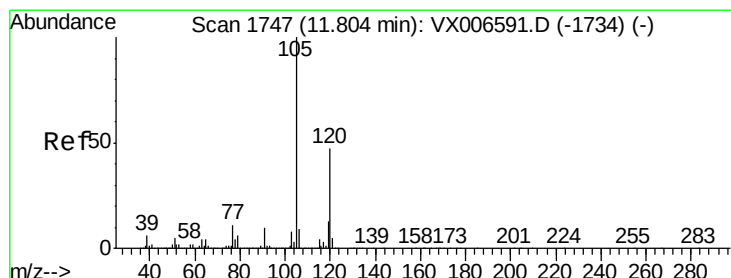
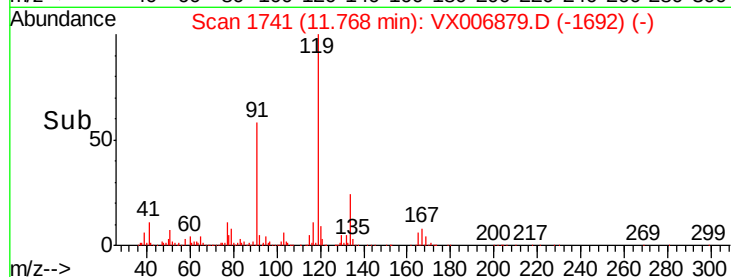
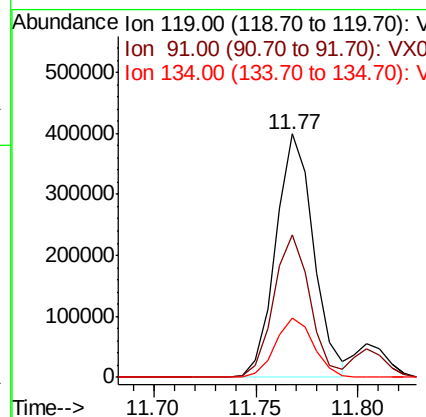
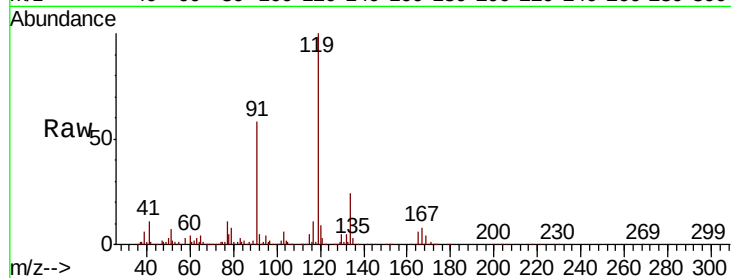
ClientSampleId :

VX0102MBSD01

Tot Ion:	119	Resp:	516293
Ion Ratio	Lower	Upper	
119	100		
91	56.6	27.7	83.1
134	24.7	11.9	35.5

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 18.435 ug/l

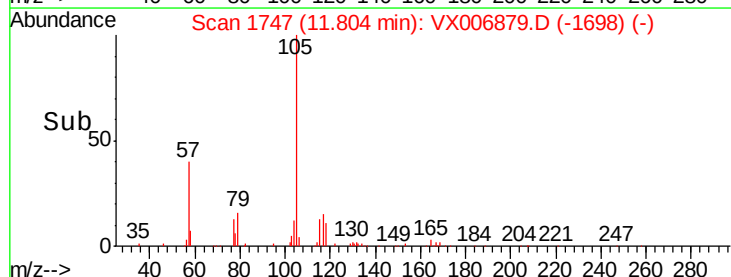
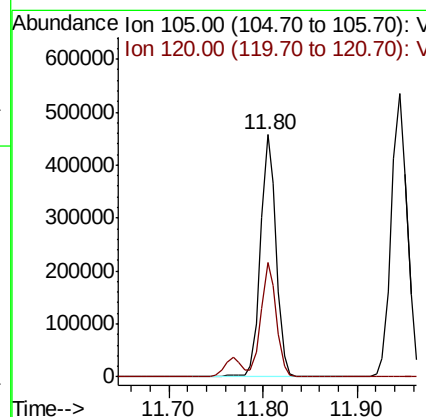
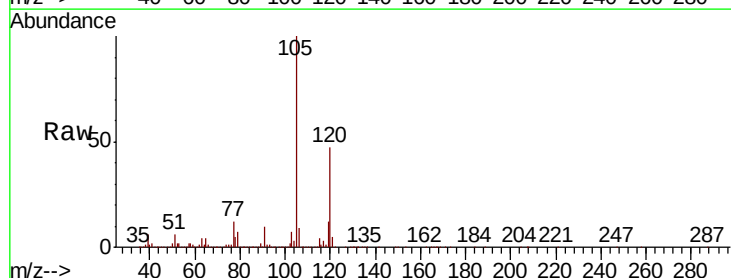
RT: 11.80 min Scan# 1747

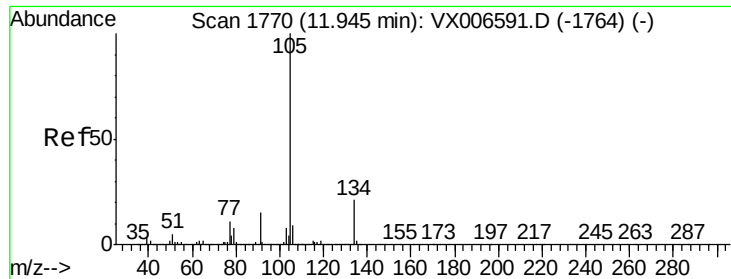
Delta R.T. 0.00 min

Lab File: VX006879.D

Acq: 02 Jan 2019 14:18

Tgt Ion:	105	Resp:	536423
Ion Ratio	Lower	Upper	
105	100		
120	46.7	23.2	69.6





#85

sec-Butylbenzene

Concen: 18.574 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX006879.D

Acq: 02 Jan 2019 14:18

Instrument :

MSVOA_X

ClientSampleId :

VX0102MBSD01

Tot Ion:105 Resp: 630523

Ion Ratio Lower Upper

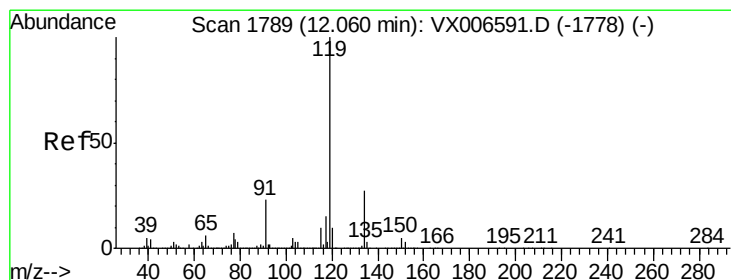
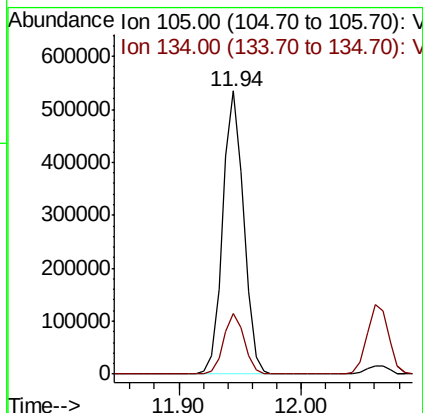
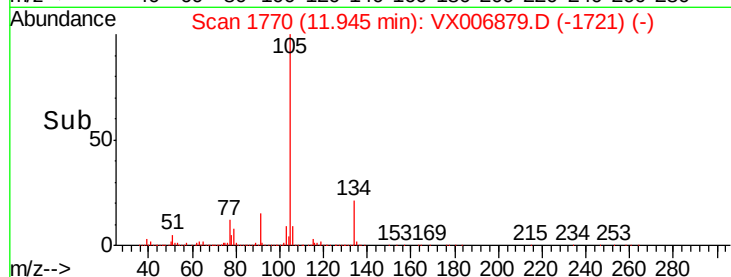
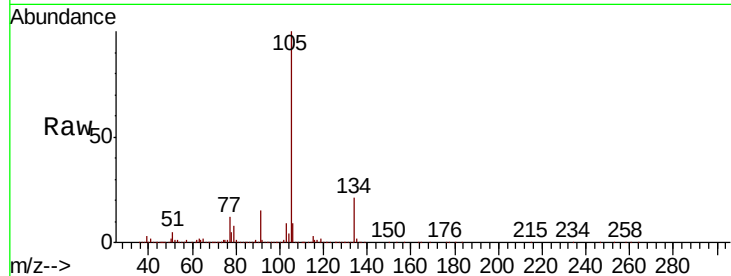
105 100

134 21.3 10.7 31.9

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#86

p-Isopropyltoluene

Concen: 19.160 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX006879.D

Acq: 02 Jan 2019 14:18

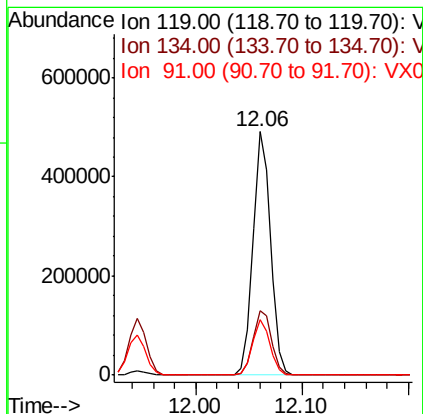
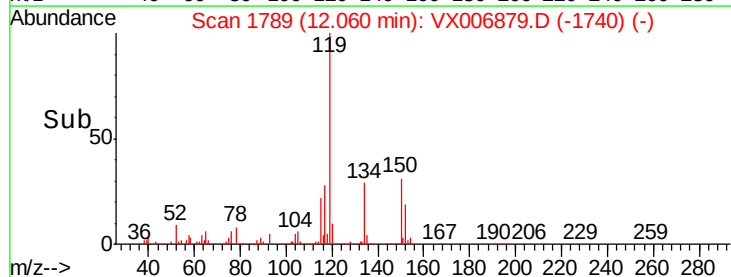
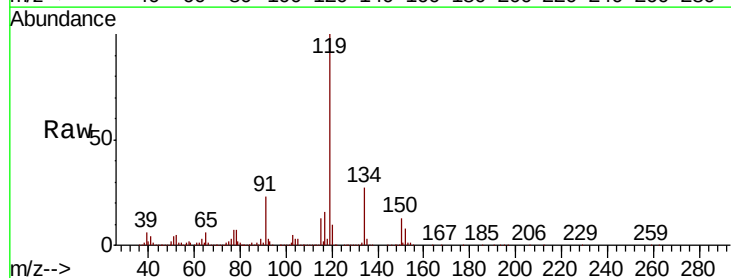
Tgt Ion:119 Resp: 571749

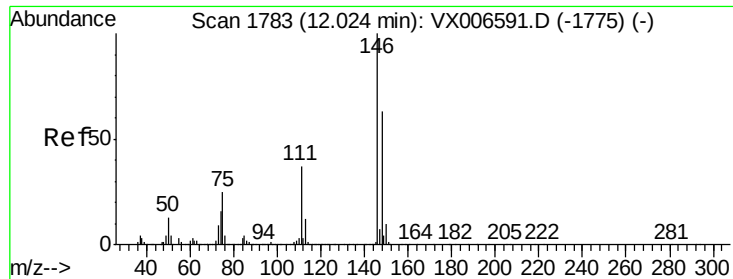
Ion Ratio Lower Upper

119 100

134 27.7 14.0 41.9

91 22.7 11.3 33.9





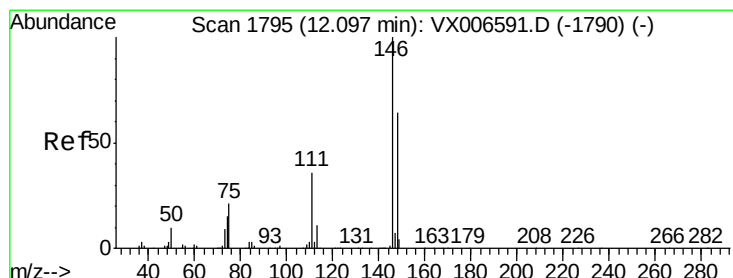
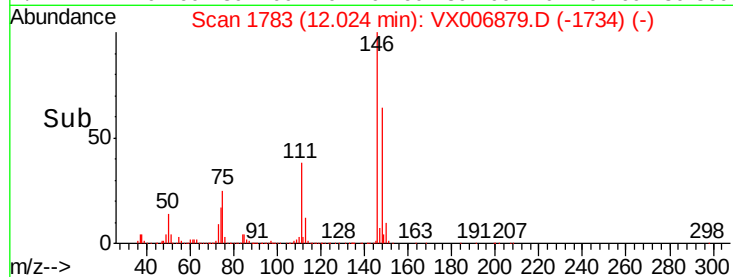
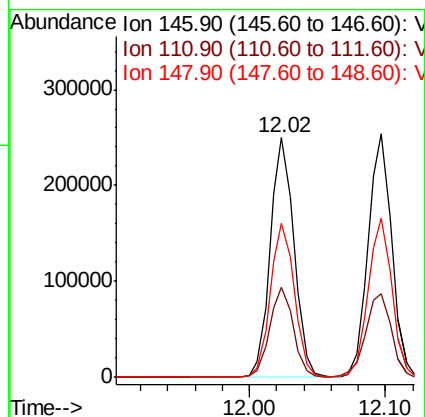
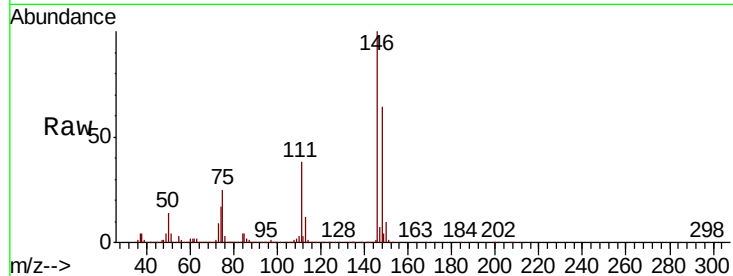
#87
 1,3-Dichlorobenzene
 Concen: 18.717 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX006879.D
 Acq: 02 Jan 2019 14:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0102MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.6	55.8
148	65.0	31.8	95.3

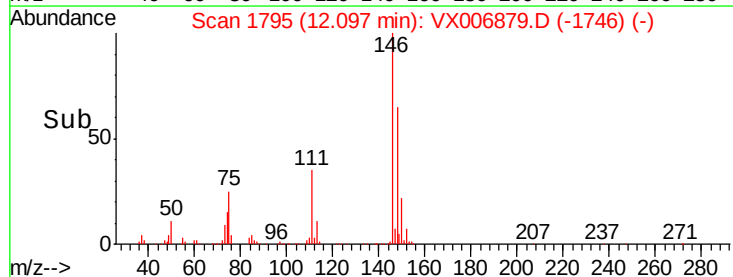
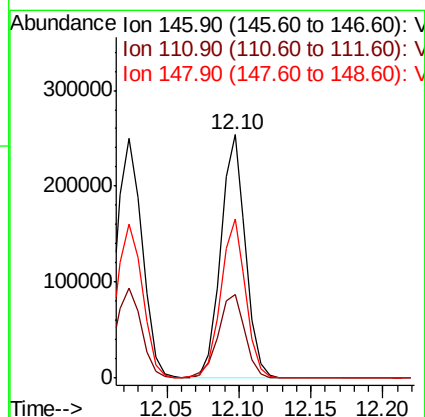
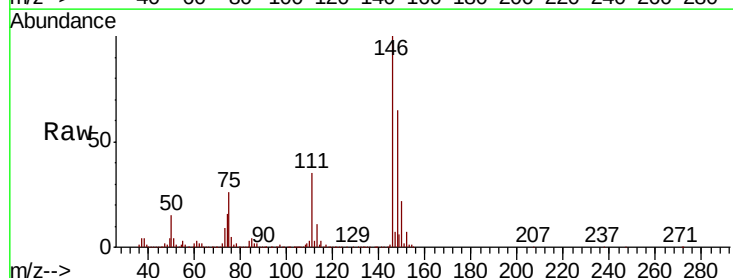
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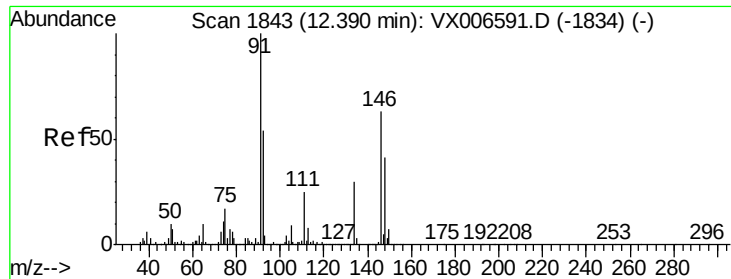
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#88
 1,4-Dichlorobenzene
 Concen: 18.182 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX006879.D
 Acq: 02 Jan 2019 14:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.1	54.1
148	65.7	31.9	95.9





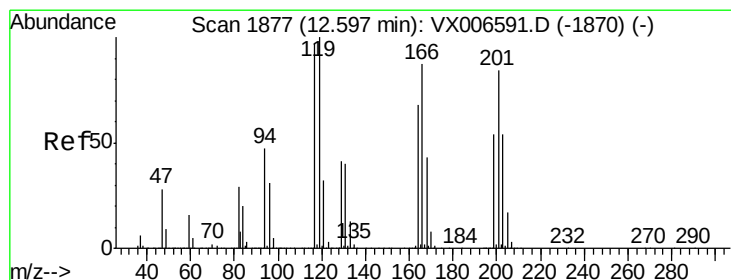
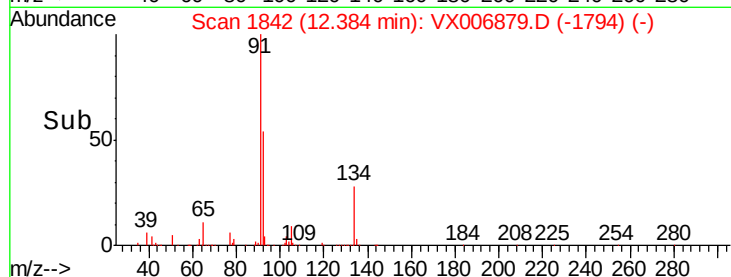
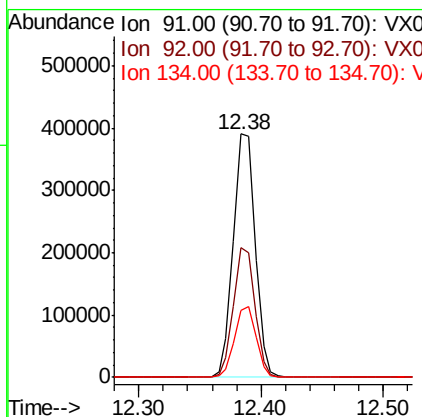
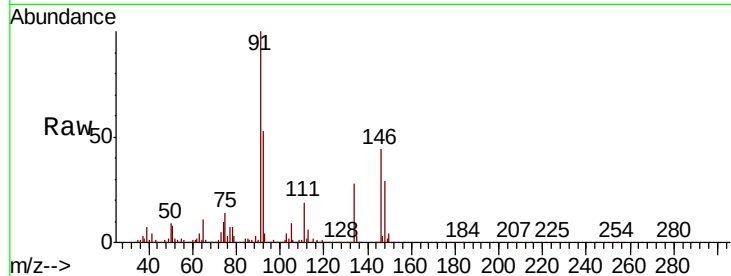
#89
n-Butylbenzene
Concen: 19.001 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.01 min
Lab File: VX006879.D
Acq: 02 Jan 2019 14:18

Instrument :
MSVOA_X
ClientSampleID :
VX0102MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.8	80.4
134	28.5	14.4	43.2

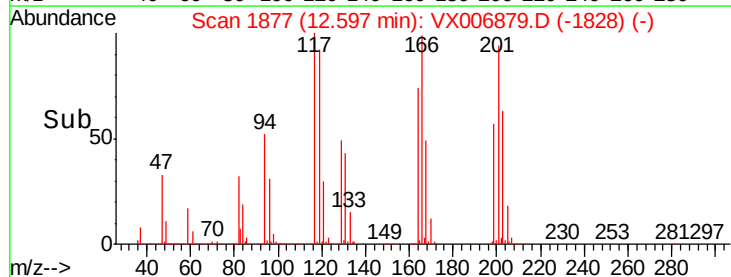
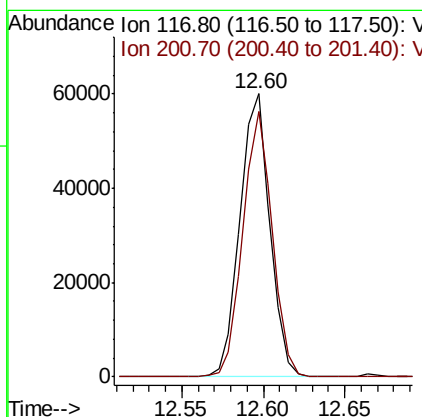
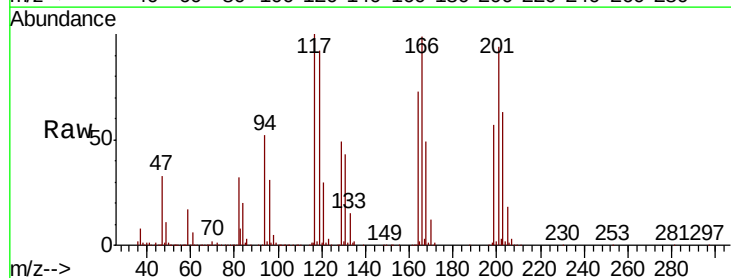
Manual Integrations
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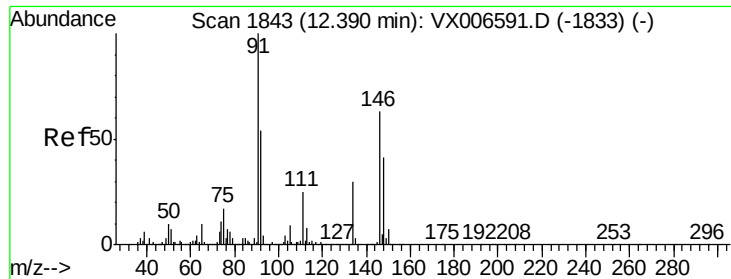
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#90
Hexachloroethane
Concen: 18.739 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX006879.D
Acq: 02 Jan 2019 14:18

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.5	42.9	128.7





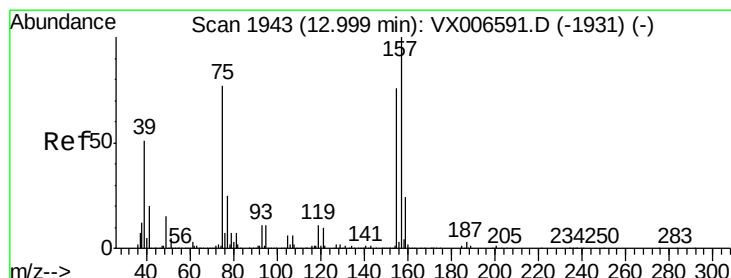
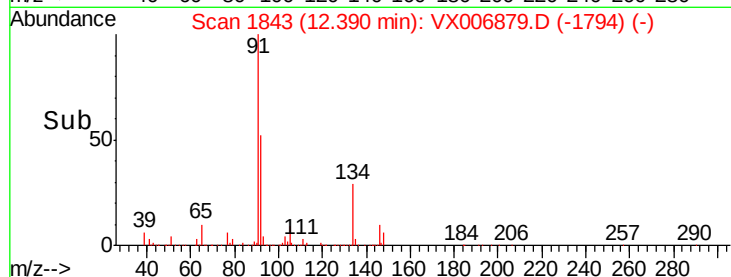
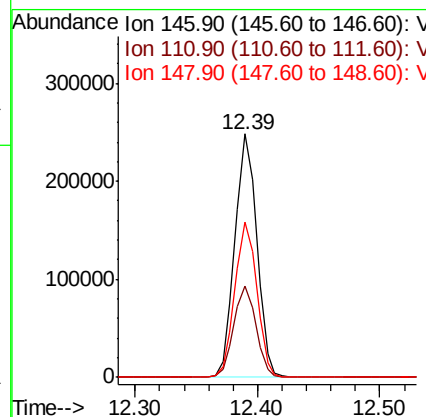
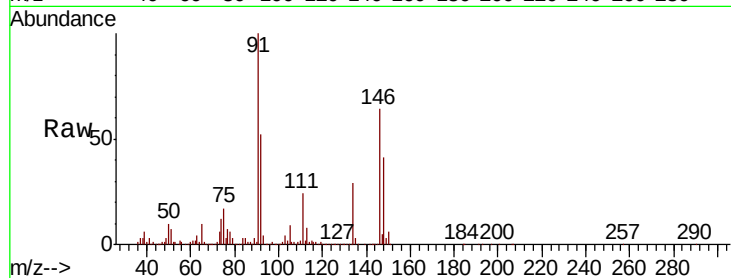
#91
 1,2-Dichlorobenzene
 Concen: 18.759 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX006879.D
 Acq: 02 Jan 2019 14:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0102MBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.4	58.2
148	64.2	32.3	96.9

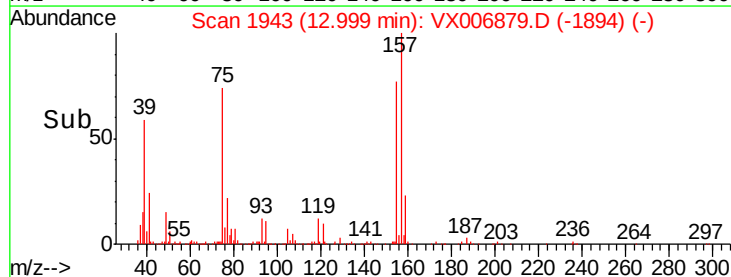
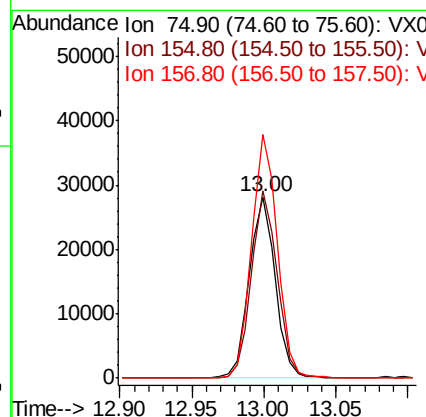
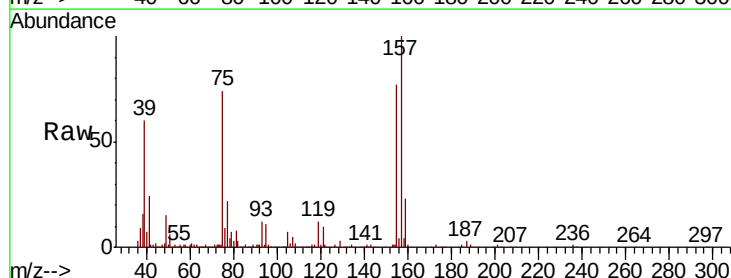
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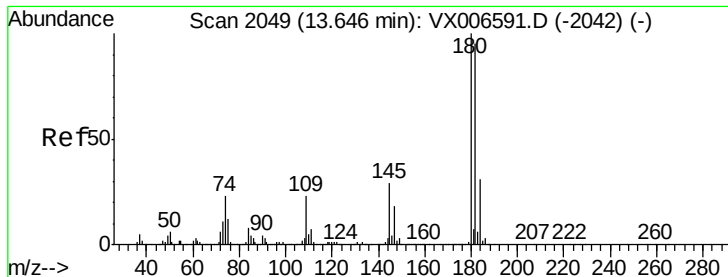
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.063 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX006879.D
 Acq: 02 Jan 2019 14:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.4	50.6	151.8
157	131.6	64.6	193.8





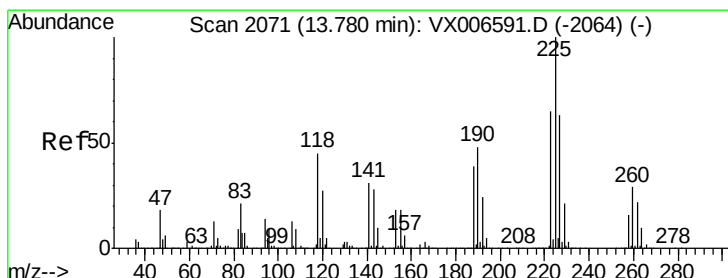
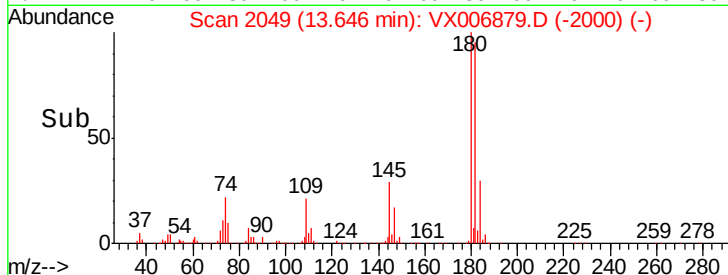
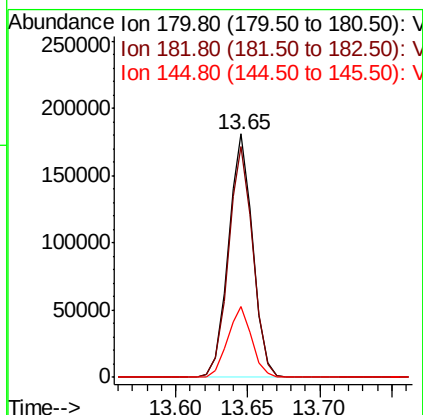
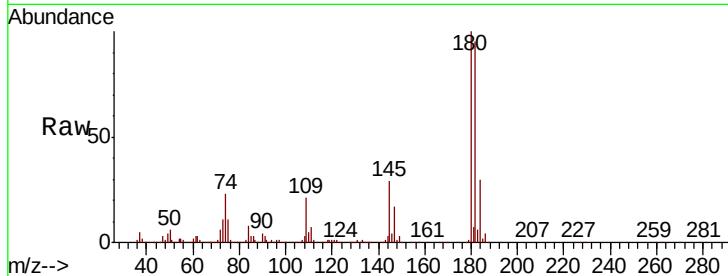
#93
1,2,4-Trichlorobenzene
Concen: 19.029 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. 0.00 min
Lab File: VX006879.D
Acq: 02 Jan 2019 14:18

Instrument :
MSVOA_X
ClientSampleId :
VX0102MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	214886		
182	95.7	47.3	142.0	
145	28.8	14.8	44.3	

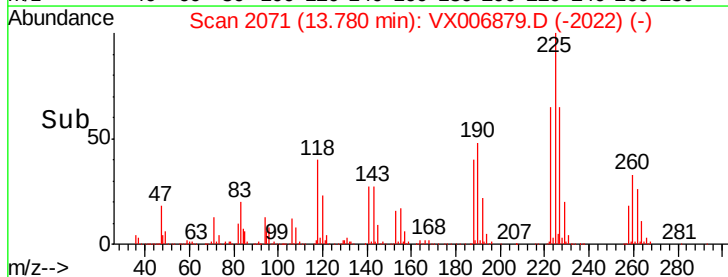
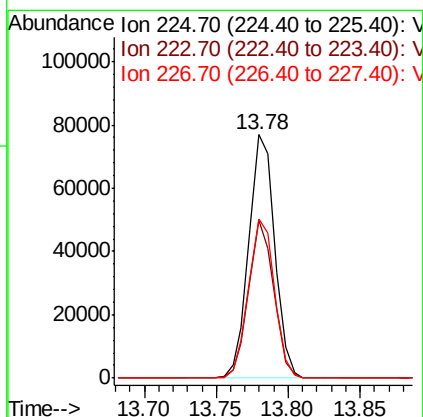
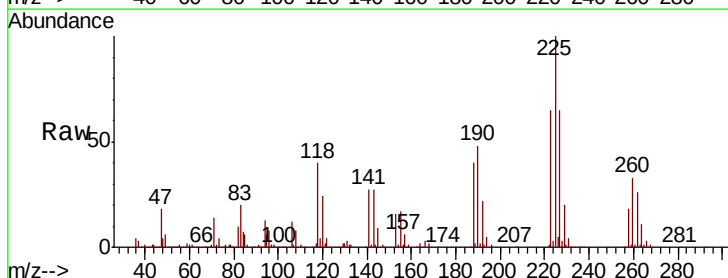
Manual Integrations
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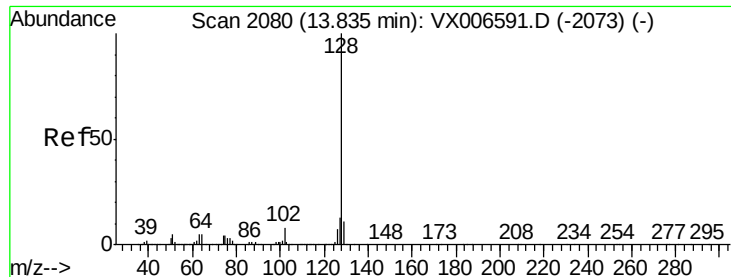
MMDadoda
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#94
Hexachlorobutadiene
Concen: 17.992 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. 0.00 min
Lab File: VX006879.D
Acq: 02 Jan 2019 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	95768		
223	62.7	32.1	96.3	
227	65.6	32.3	96.8	





#95

Naphthalene

Concen: 17.211 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX006879.D

Acq: 02 Jan 2019 14:18

Instrument :

MSVOA_X

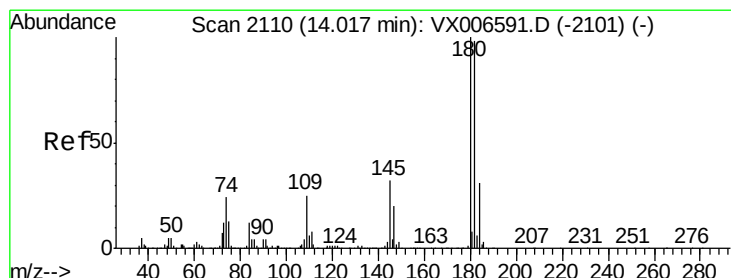
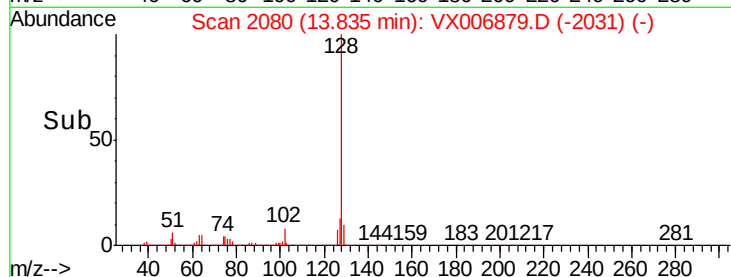
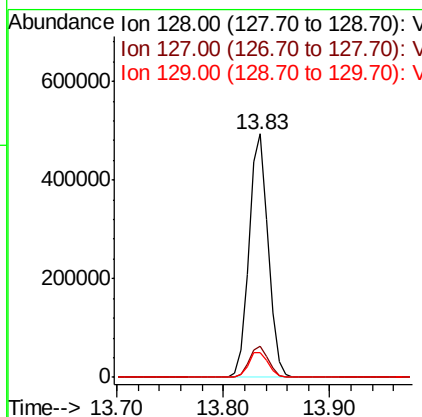
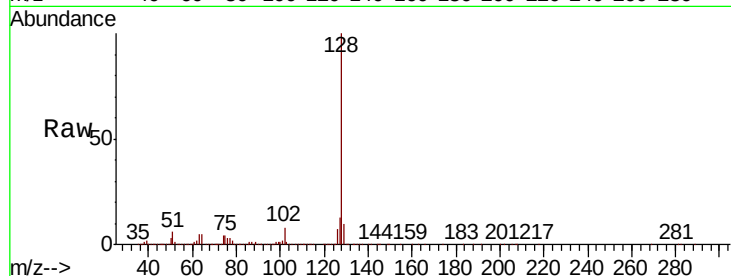
ClientSampleId :

VX0102MBSD01

Tot Ion:	128	Resp:	620330
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.1	15.1
129	10.7	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
1/3/2019 9:43:21 AM



#96

1,2,3-Trichlorobenzene

Concen: 18.031 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX006879.D

Acq: 02 Jan 2019 14:18

Tgt Ion:	180	Resp:	210228
Ion Ratio	Lower	Upper	
180	100		
182	96.0	48.5	145.5
145	30.9	16.0	47.9

