

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX030819\
 Data File : VX007935.D
 Acq On : 08 Mar 2019 17:08
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/11/2019 12:02:14 PM

Quant Time: Mar 09 05:12:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 07:33:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	278087	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	390462	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	350966	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	177594	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	137769	46.96	ug/l	0.00
Spiked Amount			Recovery	=	93.92%	
35) Dibromofluoromethane	5.50	113	121912	48.81	ug/l	0.00
Spiked Amount			Recovery	=	97.62%	
50) Toluene-d8	8.71	98	470214	51.26	ug/l	0.00
Spiked Amount			Recovery	=	102.52%	
62) 4-Bromofluorobenzene	11.13	95	168359	52.35	ug/l	0.00
Spiked Amount			Recovery	=	104.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	113436	47.746	ug/l	98
3) Chloromethane	1.33	50	144698	47.260	ug/l	99
4) Vinyl Chloride	1.41	62	145498	47.826	ug/l	99
5) Bromomethane	1.64	94	69398	48.578	ug/l	99
6) Chloroethane	1.72	64	93113	46.072	ug/l	100
7) Trichlorofluoromethane	1.93	101	189629	47.876	ug/l	98
8) Diethyl Ether	2.19	74	82542	48.124	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	119937	48.864	ug/l	100
10) Methyl Iodide	2.51	142	179758	51.623	ug/l	99
11) Tert butyl alcohol	3.07	59	148215	225.923	ug/l	100
12) 1,1-Dichloroethene	2.37	96	112085	47.373	ug/l	99
13) Acrolein	2.29	56	73347	197.886	ug/l	98
14) Allyl chloride	2.73	41	231716	46.607	ug/l	100
15) Acrylonitrile	3.15	53	380128	229.558	ug/l	100
16) Acetone	2.45	43	380185	223.907	ug/l	98
17) Carbon Disulfide	2.57	76	345253	48.035	ug/l	100
18) Methyl Acetate	2.78	43	175148	48.555	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	391964	48.155	ug/l	100
20) Methylene Chloride	2.86	84	127064	47.020	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	119874	46.046	ug/l	98
22) Diisopropyl ether	3.87	45	427450	46.902	ug/l	96
23) Vinyl Acetate	3.82	43	1865187	233.383	ug/l	99
24) 1,1-Dichloroethane	3.70	63	238644	48.658	ug/l	99
25) 2-Butanone	4.70	43	545896	227.091	ug/l	100
26) 2,2-Dichloropropane	4.58	77	156155	48.058	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	138465	46.480	ug/l	99
28) Bromochloromethane	5.01	49	110117	48.160	ug/l	99
29) Tetrahydrofuran	5.15	42	344165	229.527	ug/l	100
30) Chloroform	5.21	83	218025	46.995	ug/l	99
31) Cyclohexane	5.57	56	217519	48.256	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	184052	47.815	ug/l	99
36) 1,1-Dichloropropene	5.80	75	170977	48.359	ug/l	100
37) Ethyl Acetate	4.85	43	193863	46.206	ug/l	99
38) Carbon Tetrachloride	5.78	117	163314	48.655	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 07:33:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	222954	52.042	ug/l	99
40) Benzene	6.14	78	516702	49.090	ug/l	100
41) Methacrylonitrile	5.06	41	111973	48.951	ug/l	100
42) 1,2-Dichloroethane	6.20	62	166726	48.436	ug/l	100
43) Isopropyl Acetate	6.46	43	303837	48.932	ug/l	100
44) Trichloroethene	7.21	130	141991	48.952	ug/l	99
45) 1,2-Dichloropropane	7.51	63	137546	49.477	ug/l	100
46) Dibromomethane	7.66	93	85325	48.499	ug/l	99
47) Bromodichloromethane	7.90	83	163592	49.044	ug/l	100
48) Methyl methacrylate	7.77	41	161558	49.487	ug/l	99
49) 1,4-Dioxane	7.75	88	63235	942.922	ug/l	100
51) 4-Methyl-2-Pentanone	8.65	43	980475	245.532	ug/l	99
52) Toluene	8.78	92	324702	50.529	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	181879	52.242	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	204111	51.917	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	131580	50.581	ug/l	100
56) Ethyl methacrylate	9.18	69	204323	52.313	ug/l	98
57) 1,3-Dichloropropane	9.37	76	218464	50.016	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	526636	260.662	ug/l	100
59) 2-Hexanone	9.49	43	743632	239.859	ug/l	99
60) Dibromochloromethane	9.58	129	137693	50.641	ug/l	99
61) 1,2-Dibromoethane	9.67	107	137984	49.960	ug/l	100
64) Tetrachloroethene	9.34	164	143032	49.178	ug/l	98
65) Chlorobenzene	10.14	112	360148	49.038	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	129641	49.253	ug/l	99
67) Ethyl Benzene	10.25	91	610057	50.462	ug/l	99
68) m/p-Xylenes	10.36	106	471365	101.155	ug/l	99
69) o-Xylene	10.69	106	228145	50.712	ug/l	100
70) Styrene	10.71	104	378617	51.430	ug/l	100
71) Bromoform	10.86	173	108956	48.201	ug/l #	100
73) Isopropylbenzene	11.02	105	616774	51.351	ug/l	100
74) N-amyl acetate	10.90	43	262632	47.897	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	191328	46.181	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	186043m	49.922	ug/l	
77) Bromobenzene	11.26	156	160823	48.838	ug/l	99
78) n-propylbenzene	11.36	91	690154	51.795	ug/l	100
79) 2-Chlorotoluene	11.42	91	407778	50.052	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	514037	51.998	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	57913	49.674	ug/l	98
82) 4-Chlorotoluene	11.51	91	469675	50.305	ug/l	100
83) tert-Butylbenzene	11.77	119	503297	50.543	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	519197	51.233	ug/l	100
85) sec-Butylbenzene	11.94	105	618639	52.750	ug/l	99
86) p-Isopropyltoluene	12.06	119	555204	52.861	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	288225	49.474	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	288018	48.276	ug/l	99
89) n-Butylbenzene	12.38	91	479111	53.843	ug/l	99
90) Hexachloroethane	12.60	117	89921	51.206	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	282989	48.897	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	39216	45.291	ug/l	97

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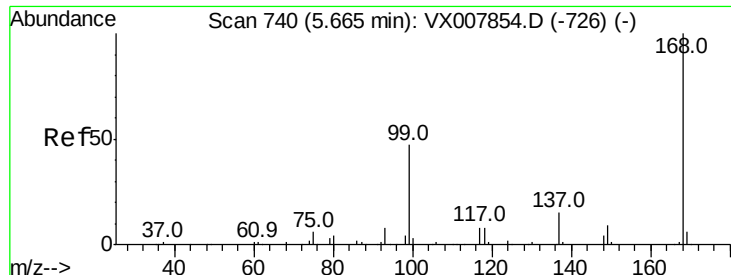
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
Quant Title : SW846 8260
QLast Update : Thu Mar 07 07:33:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	209006	51.408	ug/l	99
94) Hexachlorobutadiene	13.78	225	113003	53.162	ug/l	100
95) Naphthalene	13.83	128	590845	50.437	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	204915	50.595	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX007935.D

Acq: 08 Mar 2019 17:08

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion:168 Resp: 278087

Ion Ratio Lower Upper

168 100

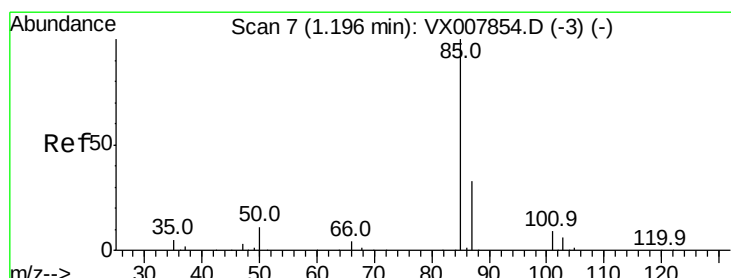
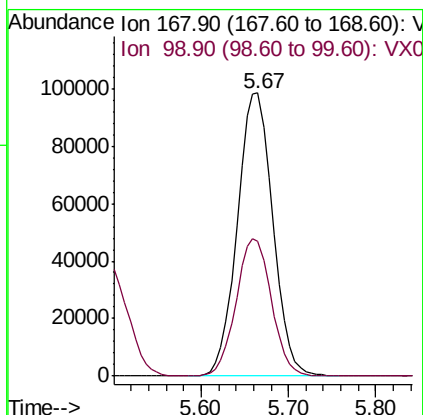
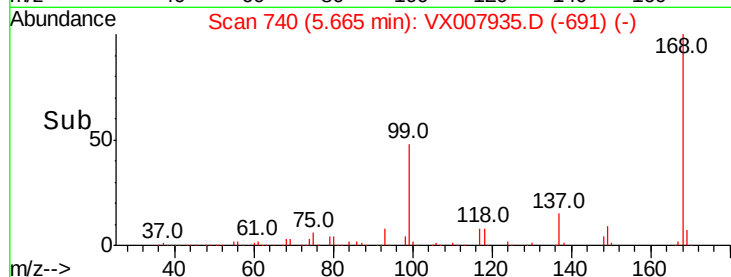
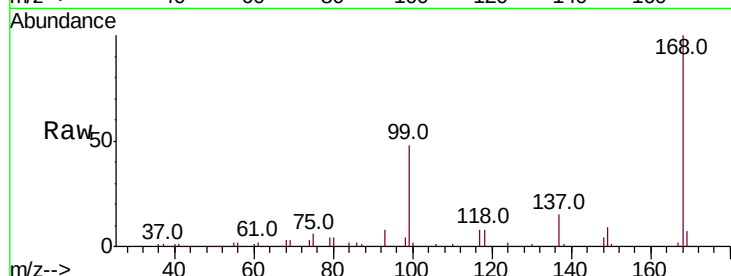
99 47.4 37.6 56.4

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#2

Dichlorodifluoromethane

Concen: 47.746 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX007935.D

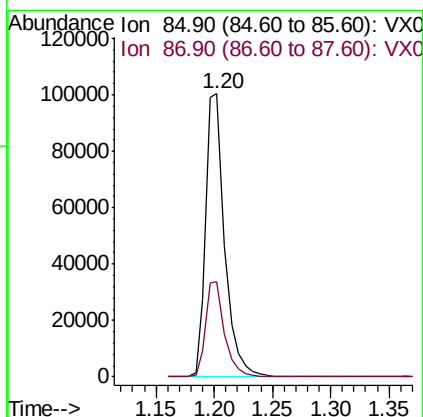
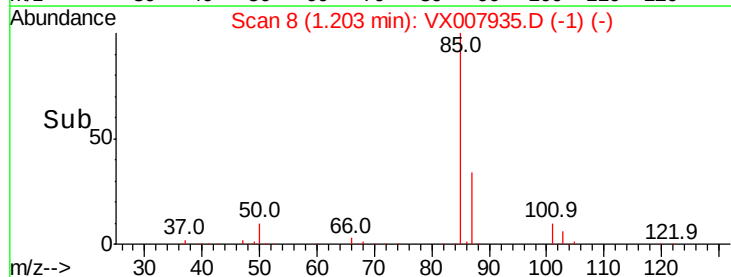
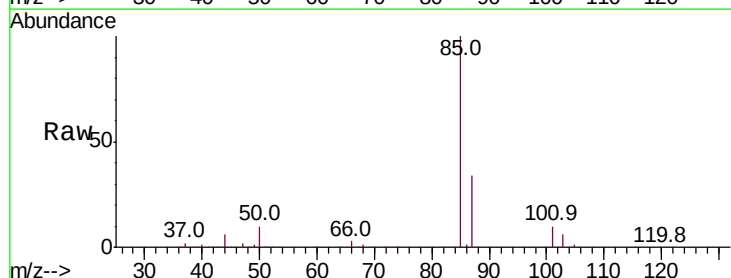
Acq: 08 Mar 2019 17:08

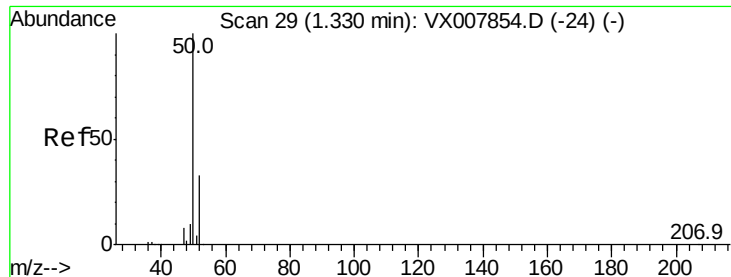
Tgt Ion: 85 Resp: 113436

Ion Ratio Lower Upper

85 100

87 33.7 16.4 49.1





#3

Chloromethane

Concen: 47.260 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007935.D

Acq: 08 Mar 2019 17:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 144698

Ion Ratio Lower Upper

50 100

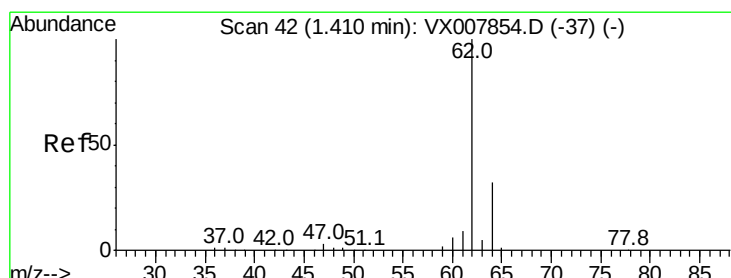
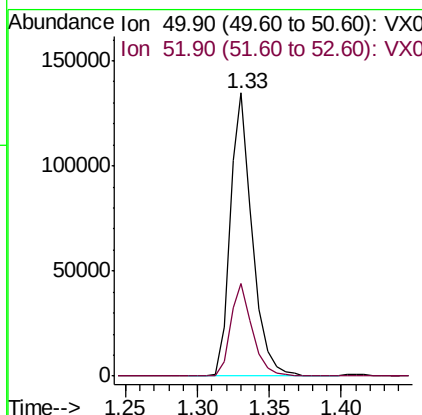
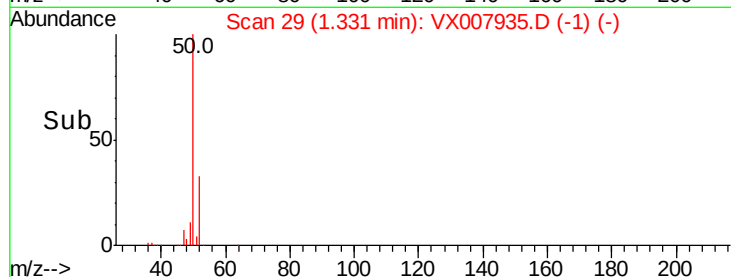
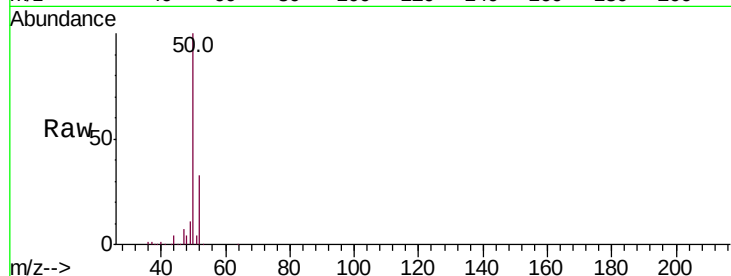
52 32.7 26.5 39.7

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#4

Vinyl Chloride

Concen: 47.826 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX007935.D

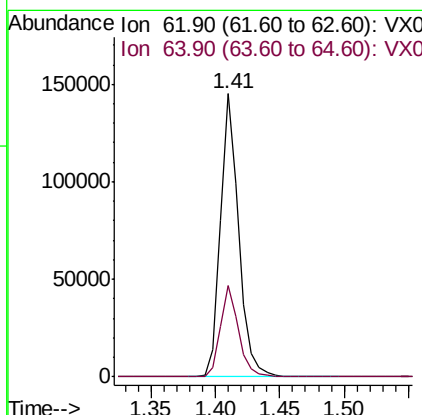
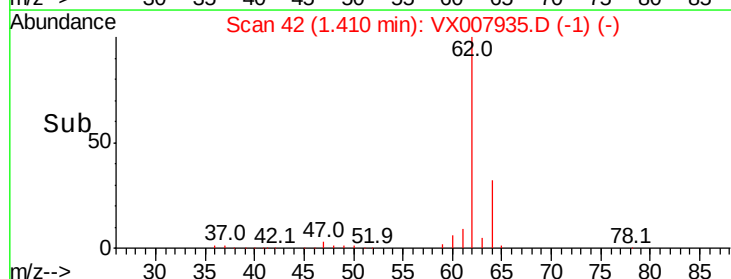
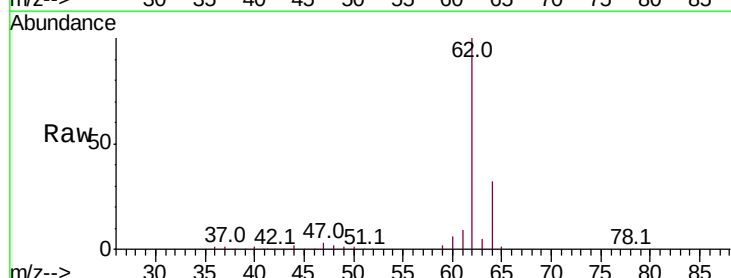
Acq: 08 Mar 2019 17:08

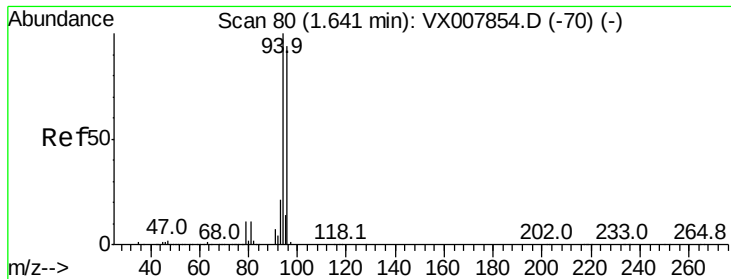
Tgt Ion: 62 Resp: 145498

Ion Ratio Lower Upper

62 100

64 32.3 25.3 37.9





#5

Bromomethane

Concen: 48.578 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007935.D

Acq: 08 Mar 2019 17:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 69398

Ion Ratio Lower Upper

94 100

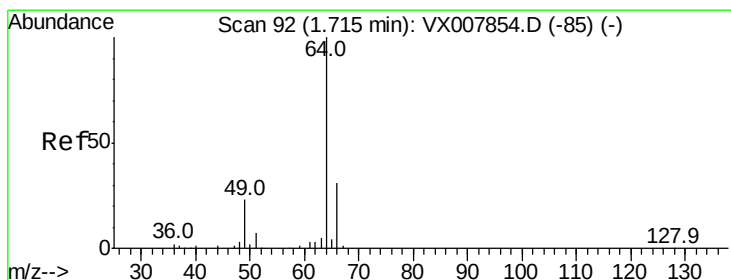
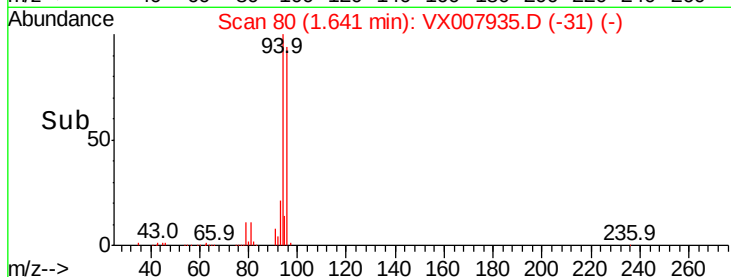
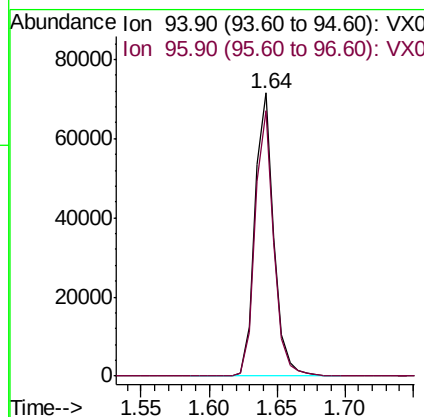
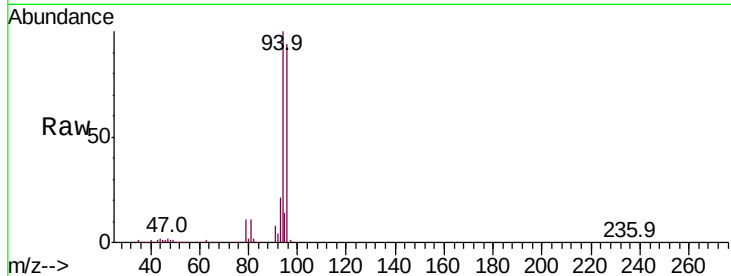
96 93.6 75.5 113.3

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#6

Chloroethane

Concen: 46.072 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX007935.D

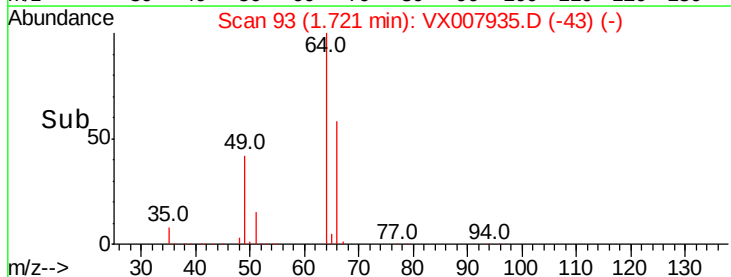
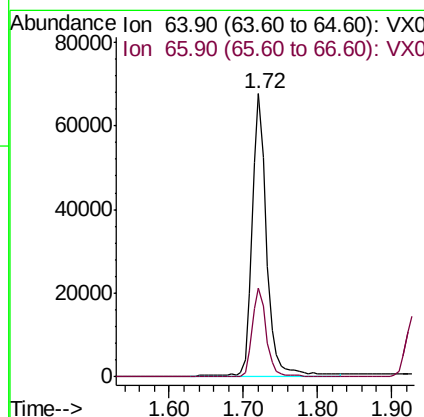
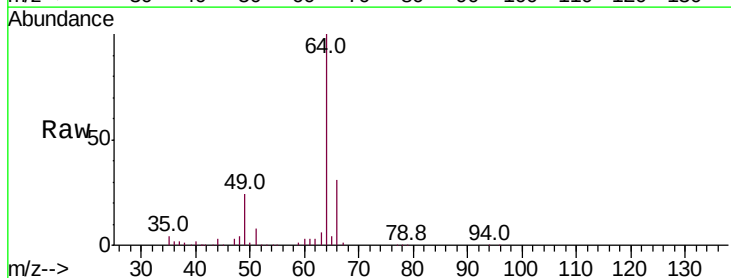
Acq: 08 Mar 2019 17:08

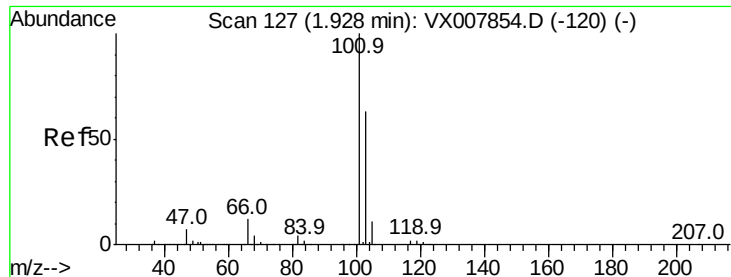
Tgt Ion: 64 Resp: 93113

Ion Ratio Lower Upper

64 100

66 31.4 25.2 37.8





#7

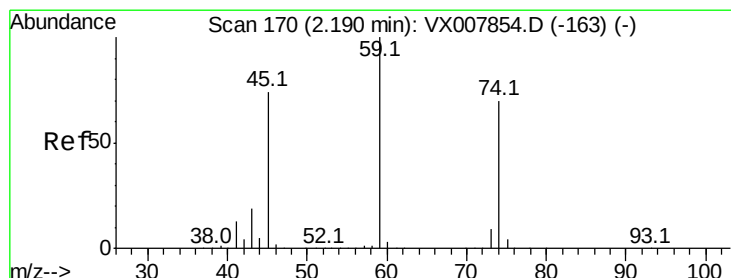
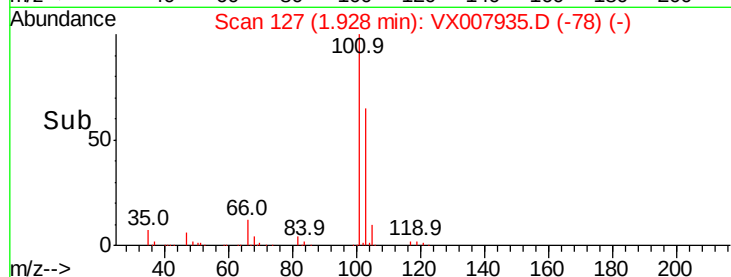
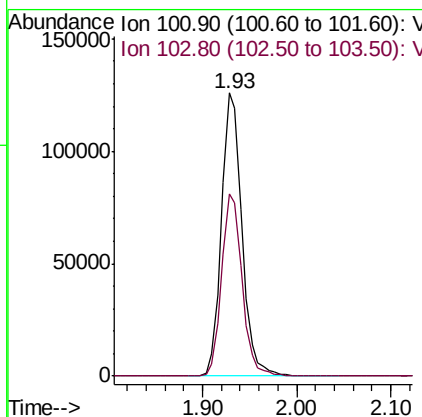
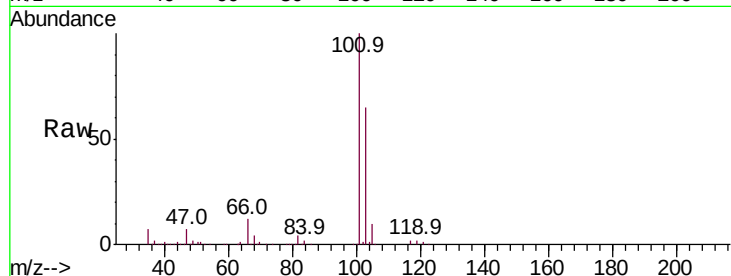
Trichlorofluoromethane
Concen: 47.876 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX007935.D
Acq: 08 Mar 2019 17:08

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	189629		
103	64.6	50.4	75.6	

Manual Integrations
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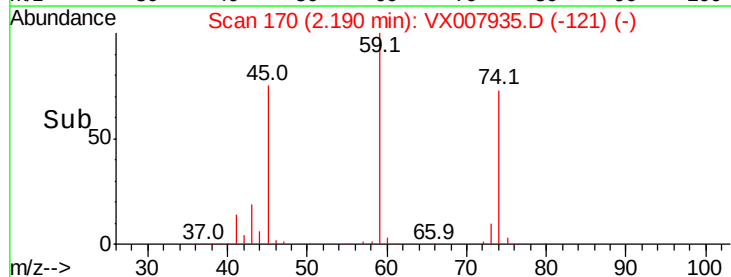
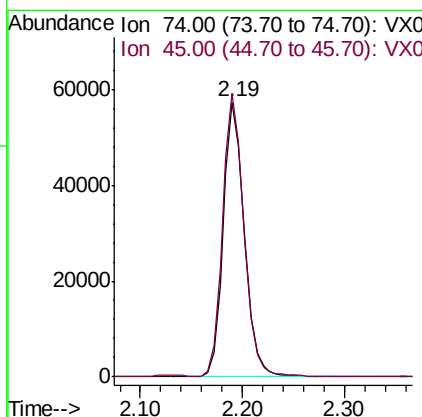
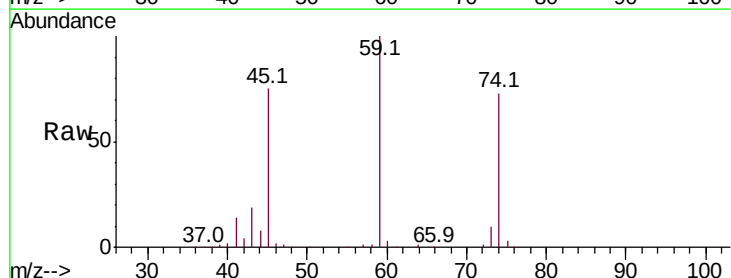
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3/11/2019 12:02:14 PM

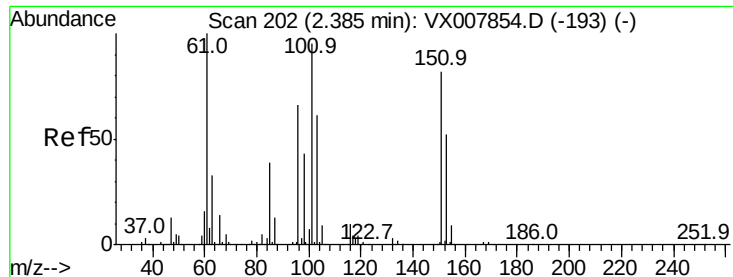


#8

Diethyl Ether
Concen: 48.124 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX007935.D
Acq: 08 Mar 2019 17:08

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	82542		
45	103.3	52.1	156.4	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.864 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX007935.D

Acq: 08 Mar 2019 17:08

Instrument :

MSVOA_X

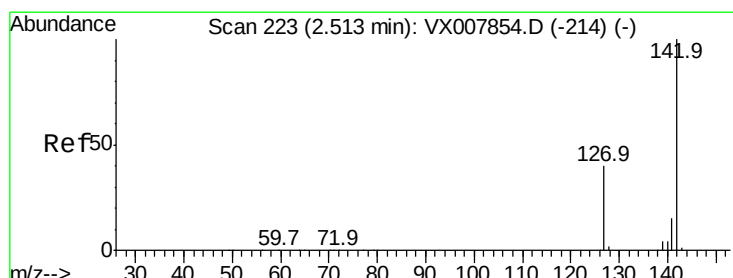
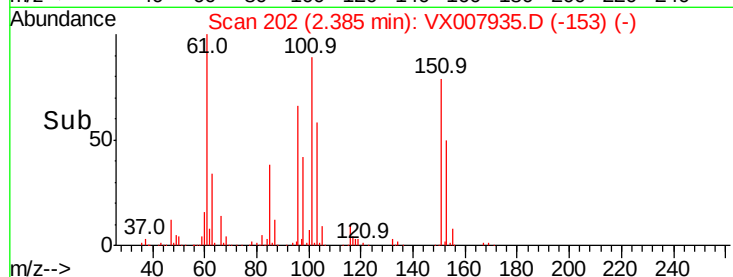
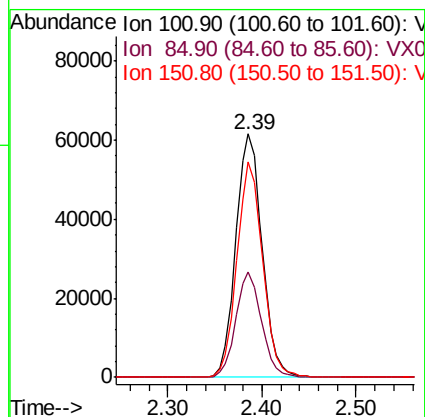
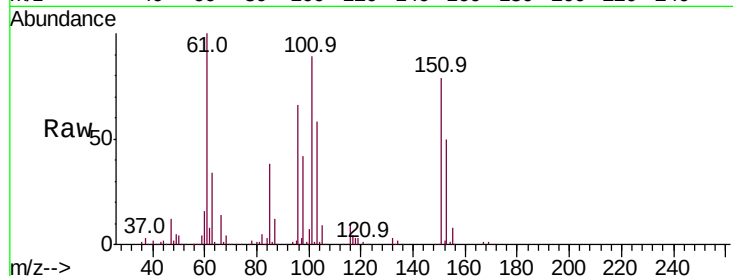
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	119937
Ion Ratio	Lower	Upper	
101	100		
85	42.0	33.8	50.6
151	86.5	69.1	103.7

Manual Integrations
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#10

Methyl Iodide

Concen: 51.623 ug/l

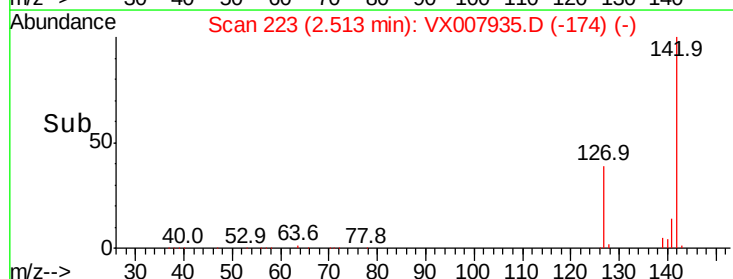
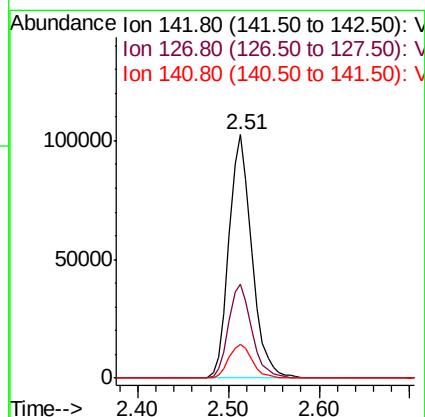
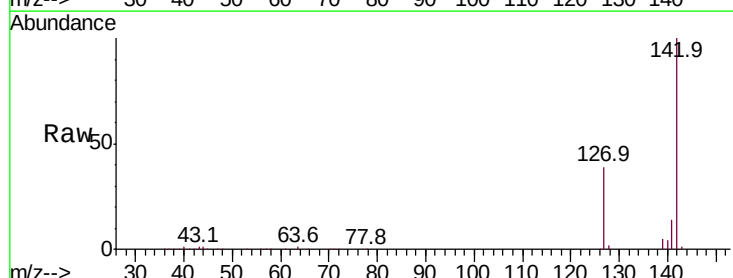
RT: 2.51 min Scan# 223

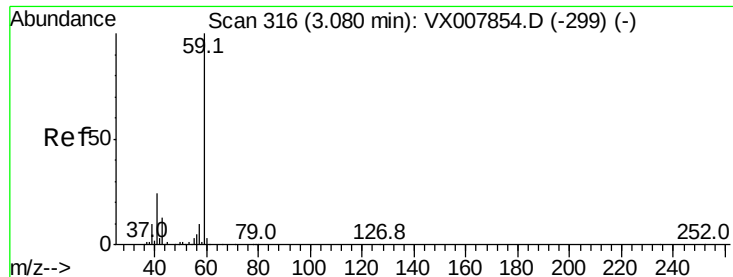
Delta R.T. 0.00 min

Lab File: VX007935.D

Acq: 08 Mar 2019 17:08

Tgt Ion:	142	Resp:	179758
Ion Ratio	Lower	Upper	
142	100		
127	39.4	32.1	48.1
141	14.2	11.4	17.2





#11

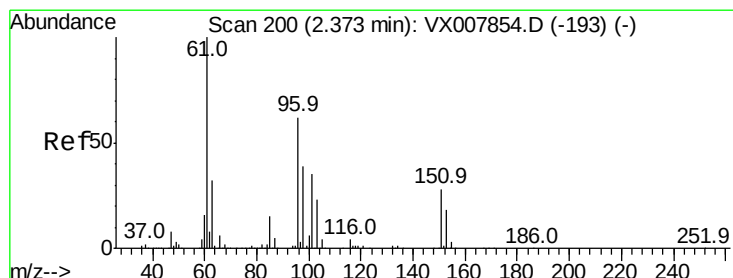
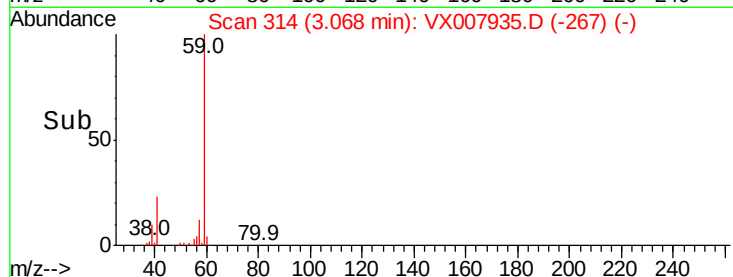
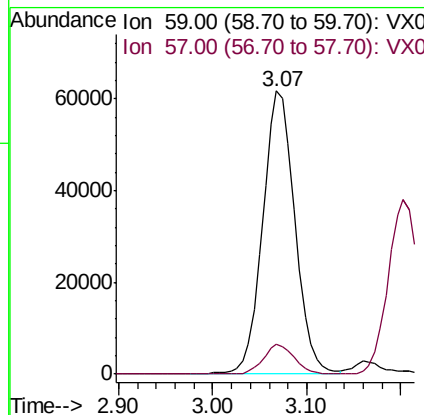
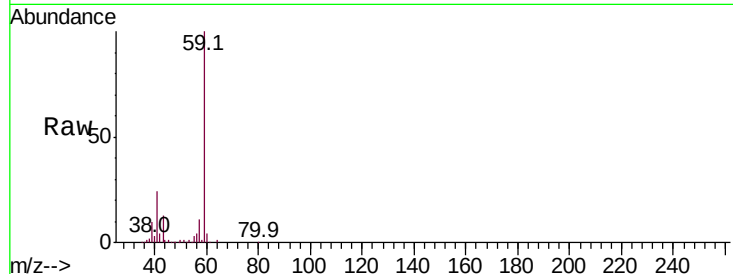
Tert butyl alcohol
Concen: 225.923 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX007935.D
Acq: 08 Mar 2019 17:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.2	12.2

Manual Integrations
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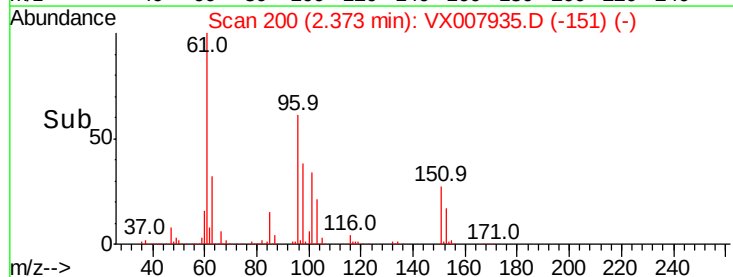
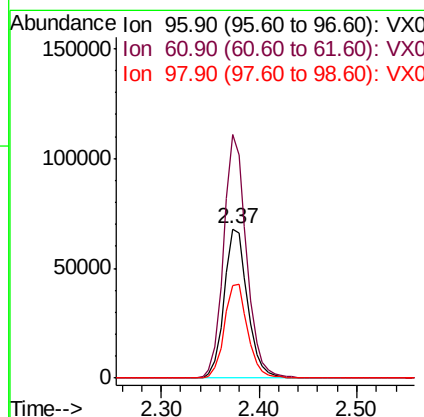
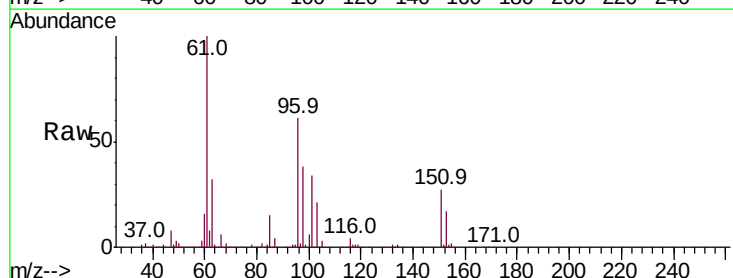
MMDadoda
3/11/2019 12:02:14 PM

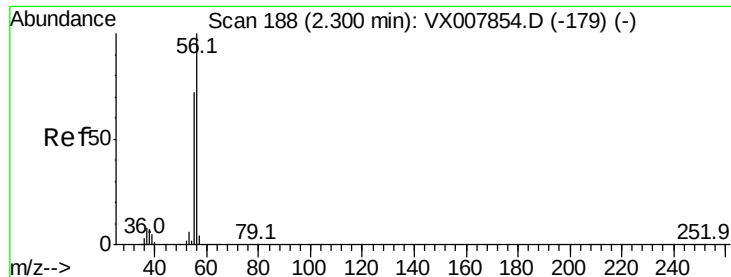


#12

1,1-Dichloroethene
Concen: 47.373 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX007935.D
Acq: 08 Mar 2019 17:08

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.4	129.8	194.6
98	62.5	51.0	76.6





#13

Acrolein

Concen: 197.886 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.01 min

Lab File: VX007935.D

Acq: 08 Mar 2019 17:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 73347

Ion Ratio Lower Upper

56 100

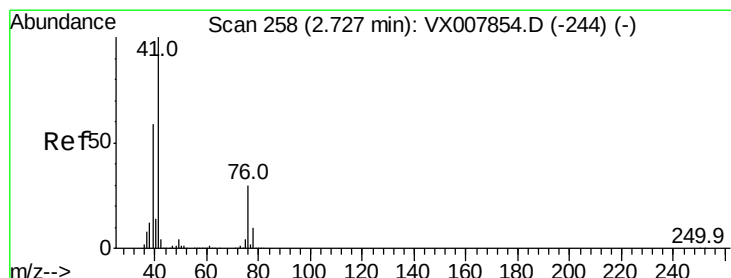
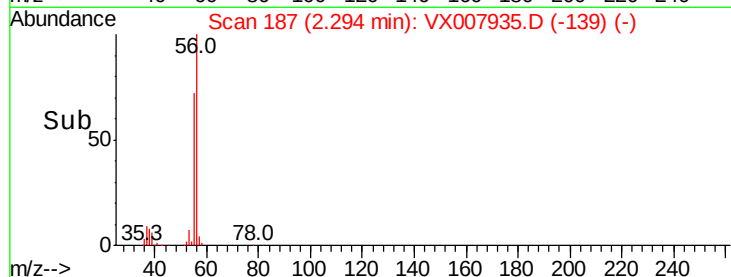
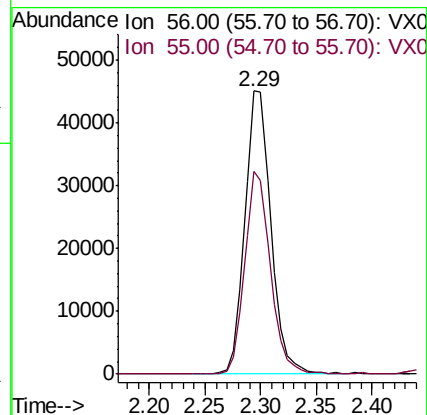
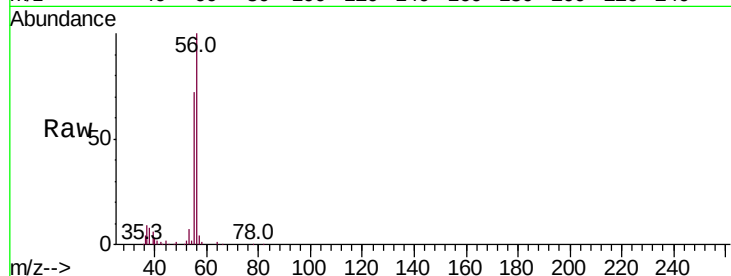
55 70.9 57.8 86.6

Manual Integrations

APPROVED

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3/11/2019 12:02:14 PM



#14

Allyl chloride

Concen: 46.607 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX007935.D

Acq: 08 Mar 2019 17:08

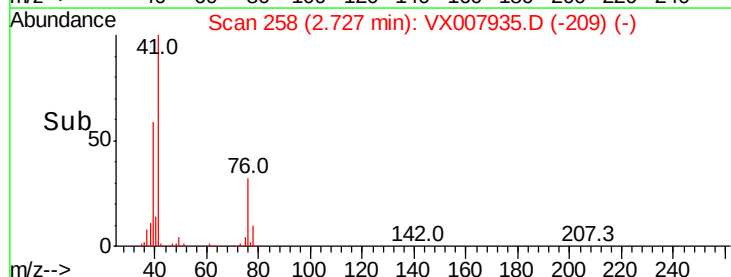
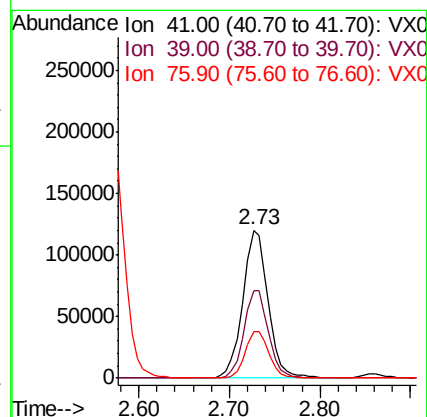
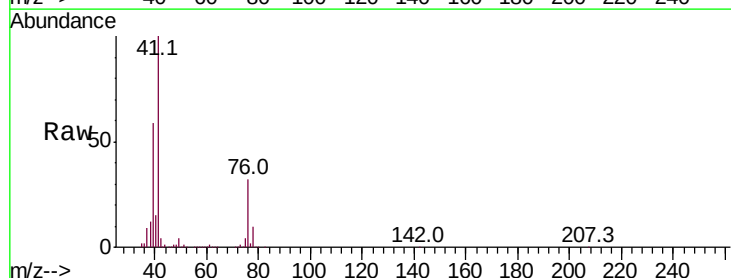
Tgt Ion: 41 Resp: 231716

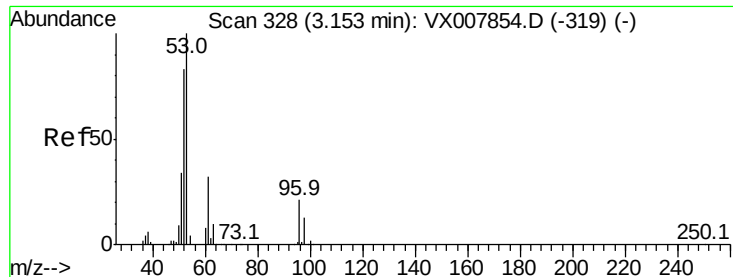
Ion Ratio Lower Upper

41 100

39 57.3 46.1 69.1

76 30.1 24.0 36.0





#15

Acrylonitrile

Concen: 229.558 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX007935.D

Acq: 08 Mar 2019 17:08

Instrument :

MSVOA_X

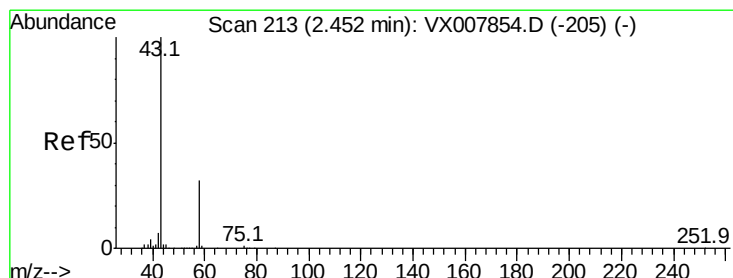
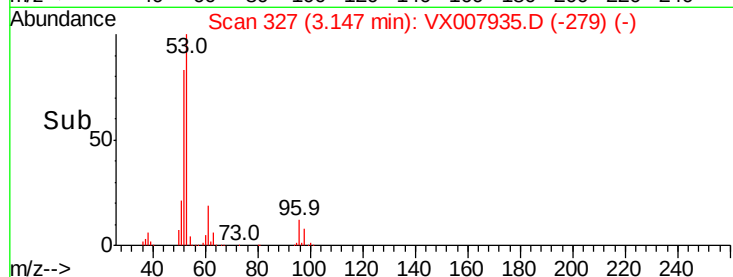
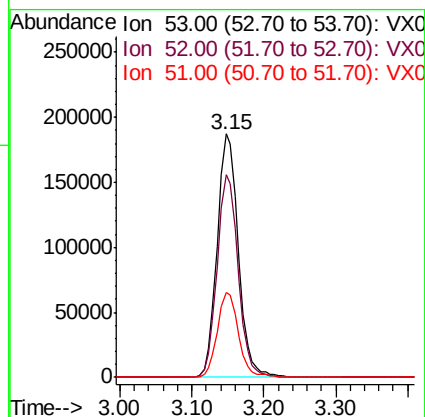
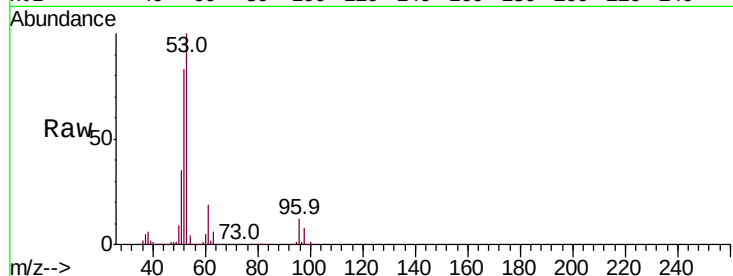
ClientSampleId :

VSTDCCC050

Tot Ion	53	Resp	380128
Ion Ratio	Lower	Upper	
53	100		
52	82.9	66.0	99.0
51	35.2	28.0	42.0

Manual Integrations
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3/11/2019 12:02:14 PM



#16

Acetone

Concen: 223.907 ug/l

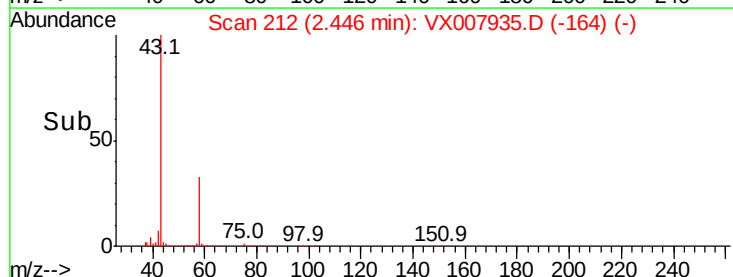
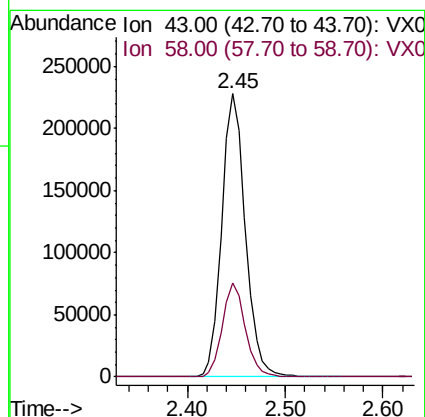
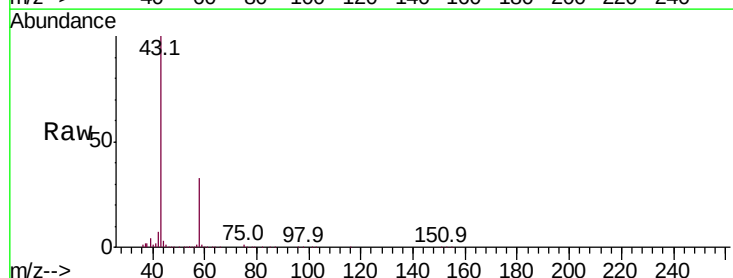
RT: 2.45 min Scan# 212

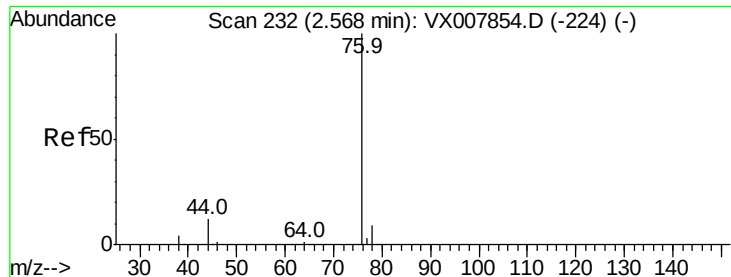
Delta R.T. -0.01 min

Lab File: VX007935.D

Acq: 08 Mar 2019 17:08

Tgt Ion	43	Resp	380185
Ion Ratio	Lower	Upper	
43	100		
58	33.1	25.5	38.3





#17

Carbon Disulfide

Concen: 48.035 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX007935.D

Acq: 08 Mar 2019 17:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 345253

Ion Ratio Lower Upper

76 100

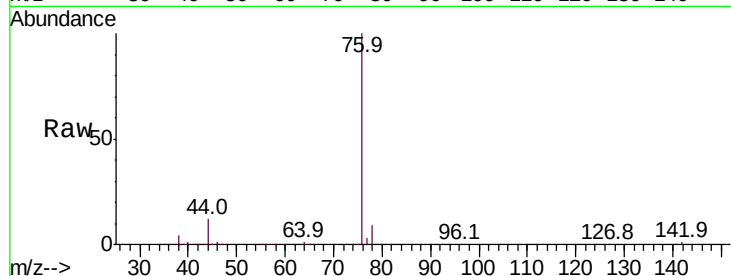
78 8.9 7.2 10.8

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

200000

150000

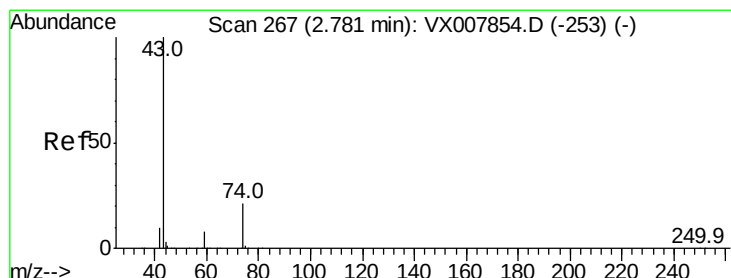
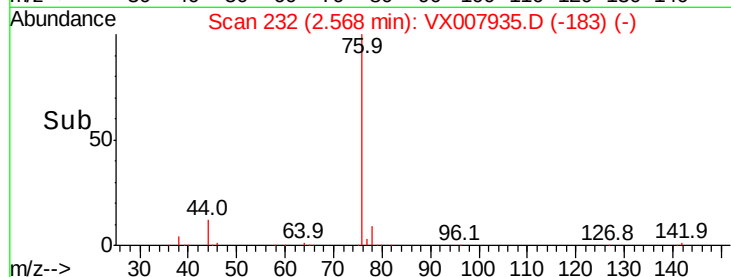
100000

50000

0

2.50 2.60 2.70

Time-->



#18

Methyl Acetate

Concen: 48.555 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX007935.D

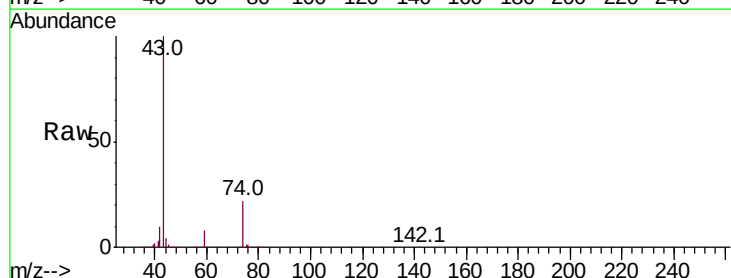
Acq: 08 Mar 2019 17:08

Tgt Ion: 43 Resp: 175148

Ion Ratio Lower Upper

43 100

74 22.0 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

100000

80000

60000

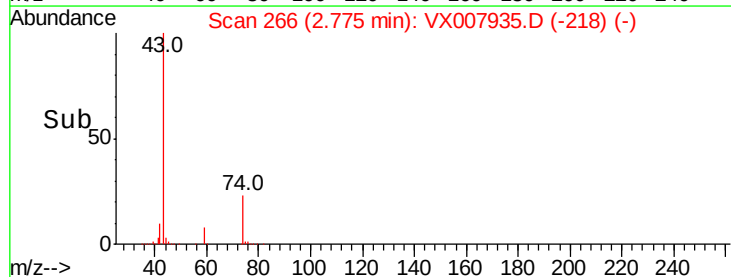
40000

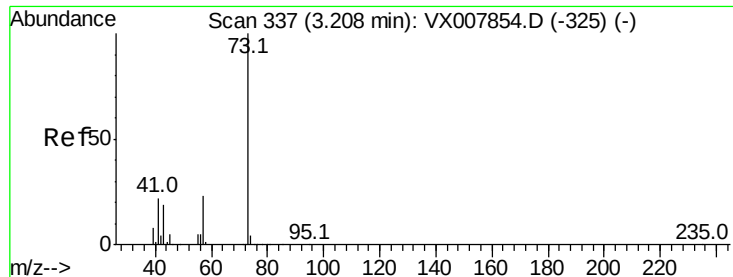
20000

0

2.70 2.80 2.90

Time-->





#19

Methyl tert-butyl Ether

Concen: 48.155 ug/l

RT: 3.20 min Scan# 336

Delta R.T. -0.01 min

Lab File: VX007935.D

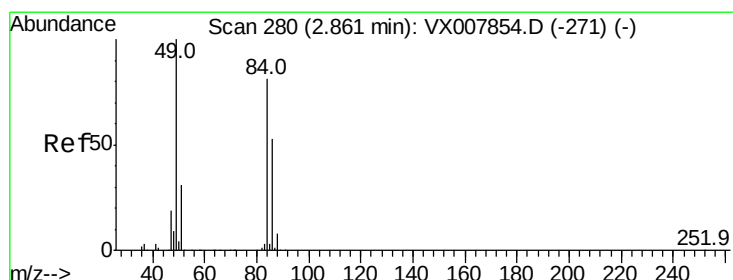
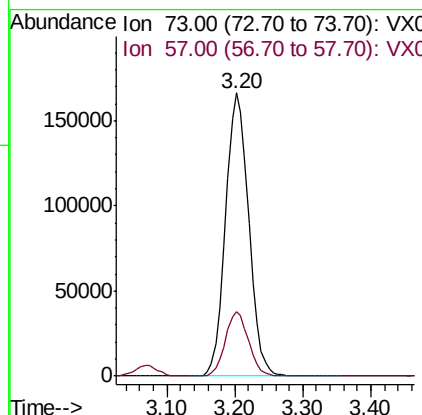
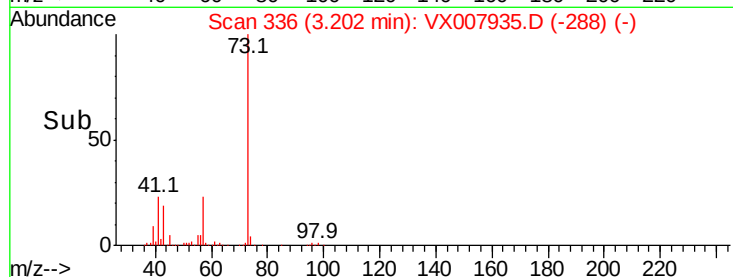
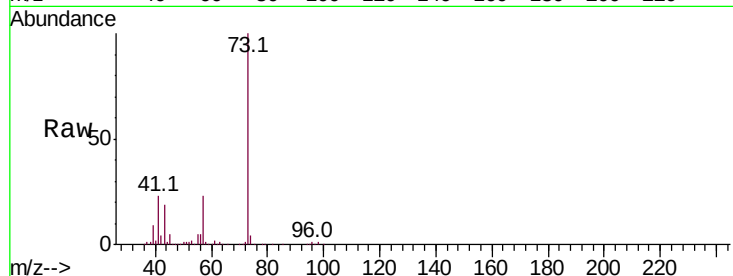
Acq: 08 Mar 2019 17:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.9	18.2	27.4

Manual Integrations
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#20

Methylene Chloride

Concen: 47.020 ug/l

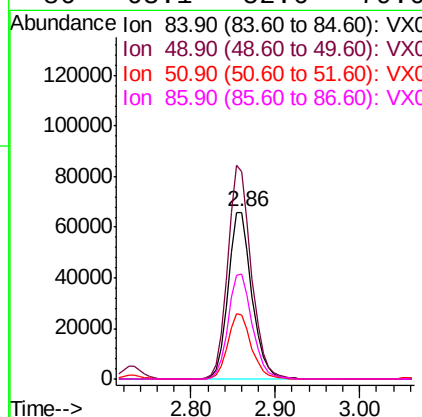
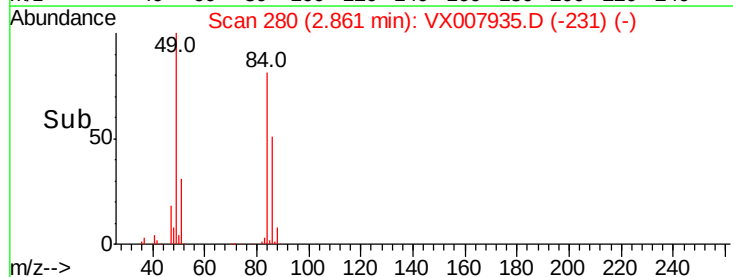
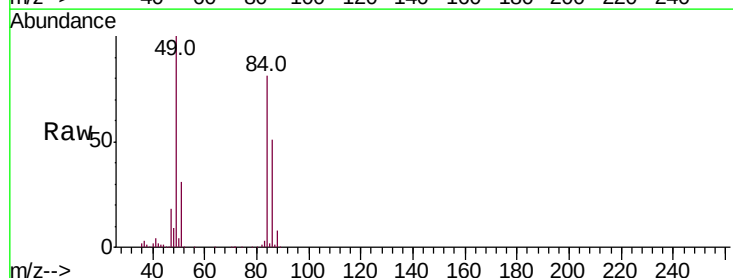
RT: 2.86 min Scan# 280

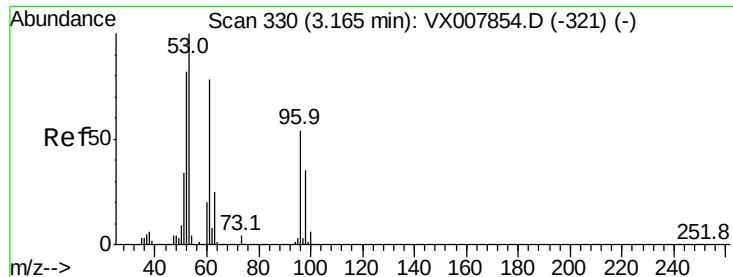
Delta R.T. 0.00 min

Lab File: VX007935.D

Acq: 08 Mar 2019 17:08

Tgt Ion	Ratio	Lower	Upper
84	100		
49	123.9	99.3	148.9
51	38.4	31.3	46.9
86	63.1	52.6	79.0





#21

trans-1,2-Dichloroethene

Concen: 46.046 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX007935.D

Acq: 08 Mar 2019 17:08

Instrument :

MSVOA_X

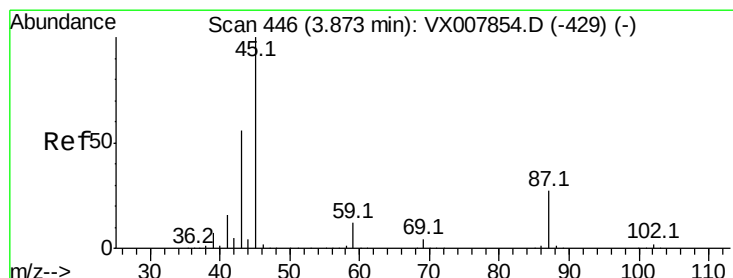
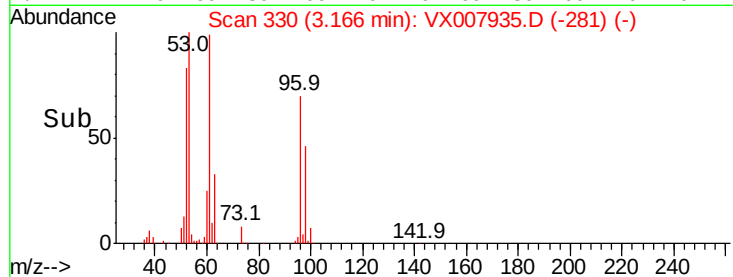
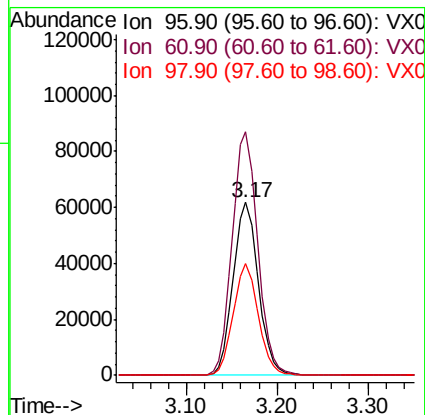
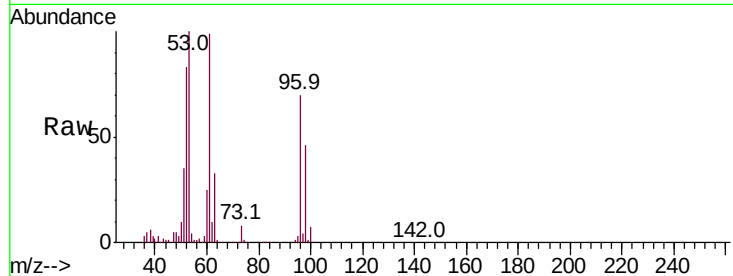
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	119874
Ion	Ratio	Lower	Upper
96	100		
61	140.9	114.4	171.6
98	65.1	51.1	76.7

Manual Integrations
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3/11/2019 12:02:14 PM



#22

Diisopropyl ether

Concen: 46.902 ug/l

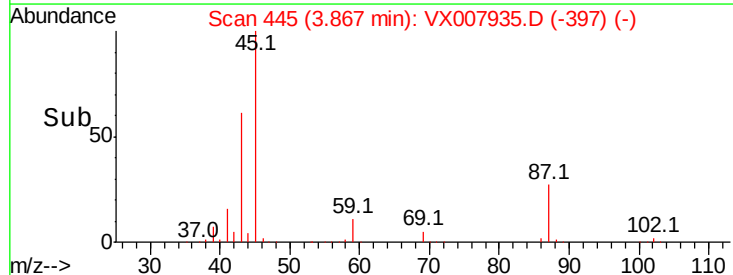
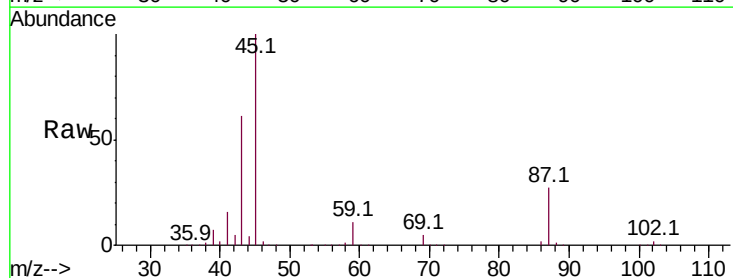
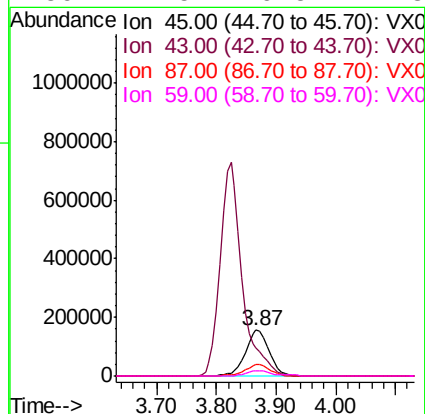
RT: 3.87 min Scan# 445

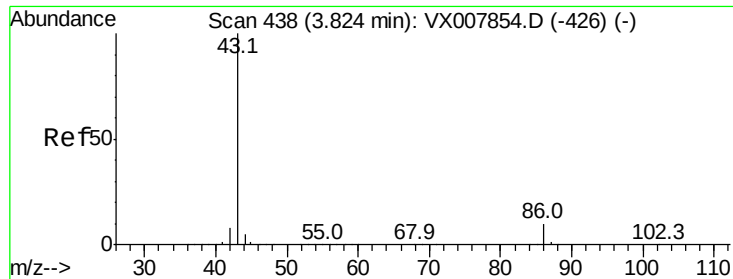
Delta R.T. -0.01 min

Lab File: VX007935.D

Acq: 08 Mar 2019 17:08

Tgt Ion:	45	Resp:	427450
Ion	Ratio	Lower	Upper
45	100		
43	60.7	45.3	67.9
87	26.8	21.4	32.0
59	11.5	9.5	14.3





#23

Vinyl Acetate

Concen: 233.383 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX007935.D

Acq: 08 Mar 2019 17:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1865187

Ion Ratio Lower Upper

43 100

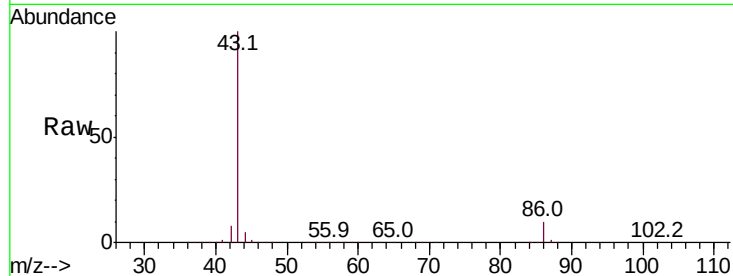
86 10.2 7.9 11.9

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.82

800000

600000

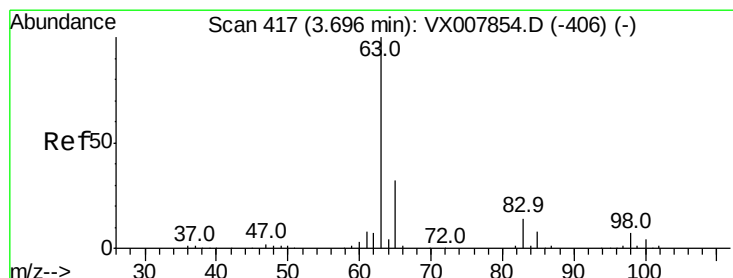
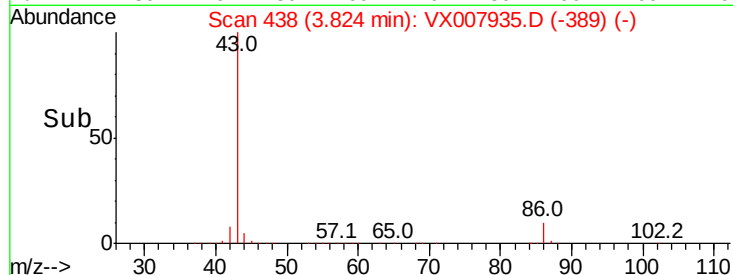
400000

200000

0

3.60 3.80 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 48.658 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX007935.D

Acq: 08 Mar 2019 17:08

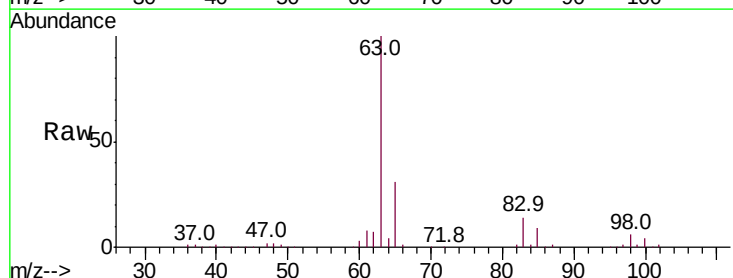
Tgt Ion: 63 Resp: 238644

Ion Ratio Lower Upper

63 100

98 6.4 3.3 9.8

100 4.1 2.3 6.8



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

3.70

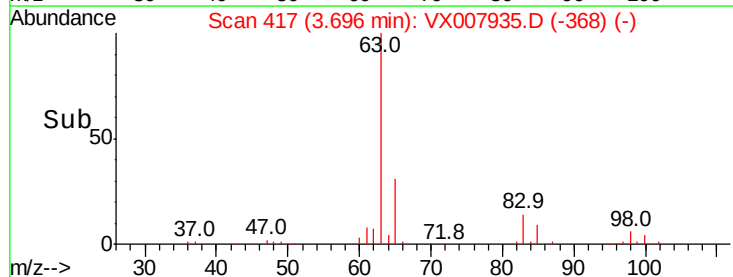
100000

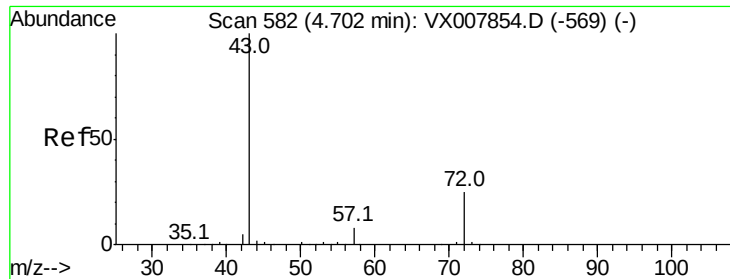
50000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 227.091 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX007935.D

Acq: 08 Mar 2019 17:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 545896

Ion Ratio Lower Upper

43 100

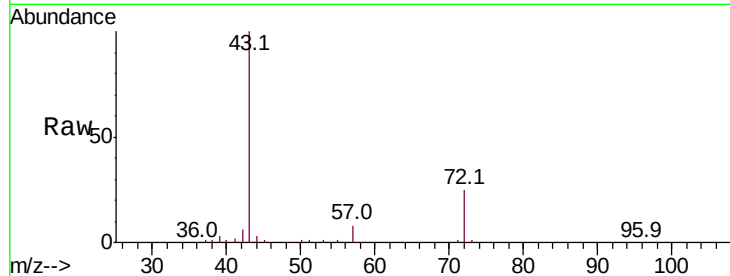
72 25.1 19.9 29.9

Manual Integrations

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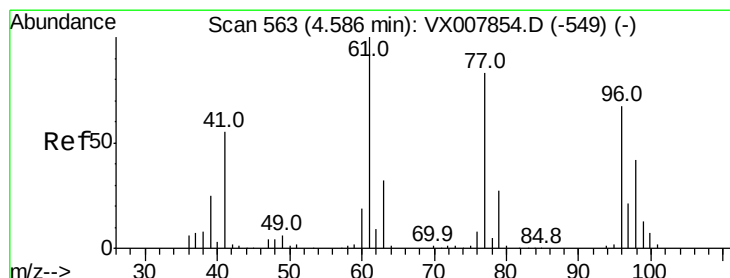
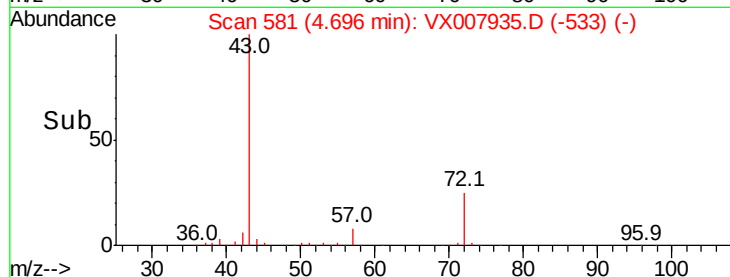
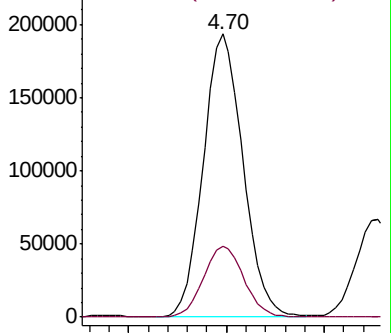
MMDadoda

3/11/2019 12:02:14 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 48.058 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX007935.D

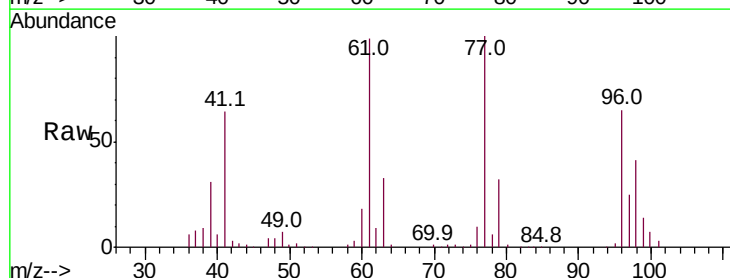
Acq: 08 Mar 2019 17:08

Tgt Ion: 77 Resp: 156155

Ion Ratio Lower Upper

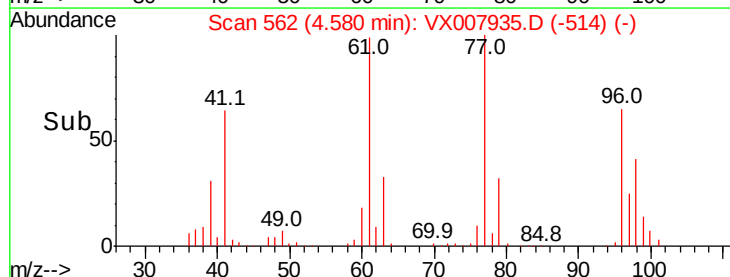
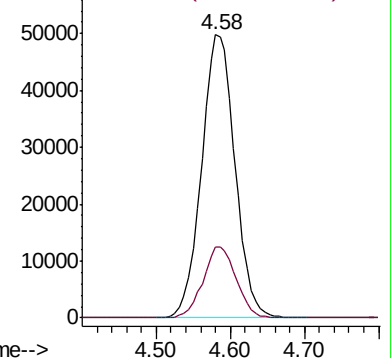
77 100

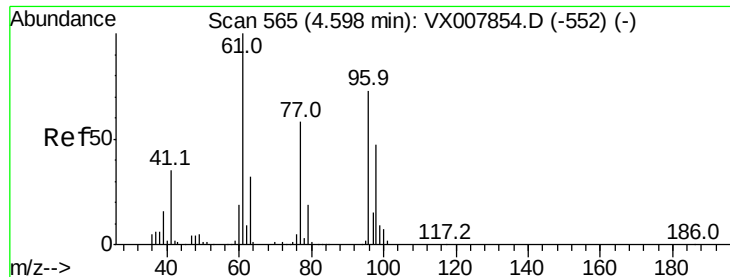
97 24.9 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

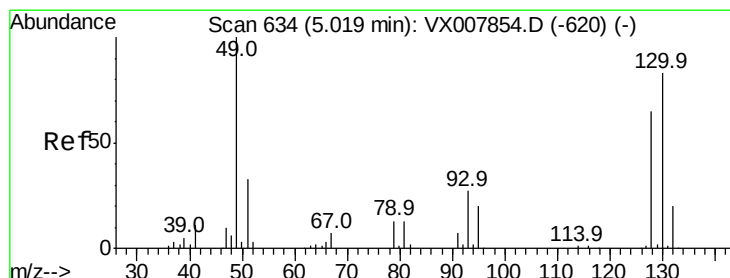
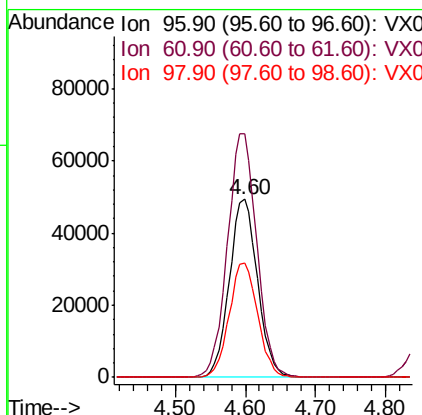
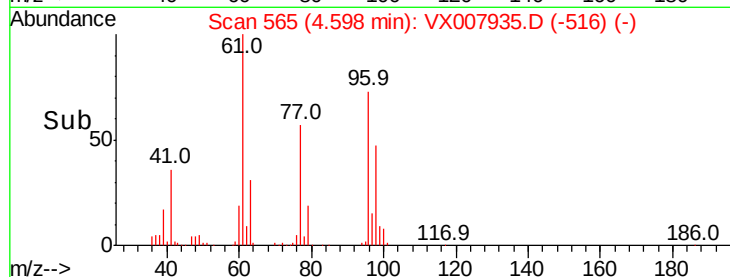
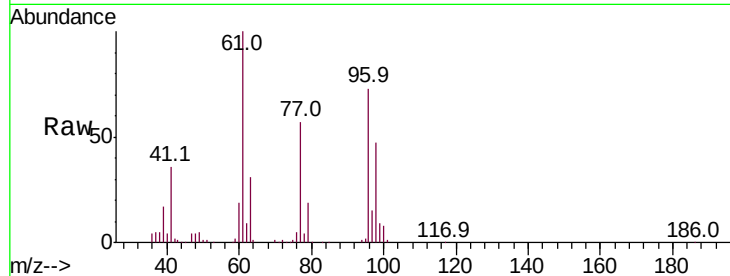
cis-1,2-Dichloroethene
Concen: 46.480 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX007935.D
Acq: 08 Mar 2019 17:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	142.3	0.0	288.0	
98	64.8	0.0	129.0	

Manual Integrations
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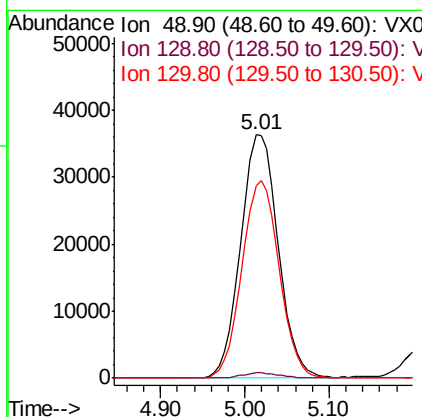
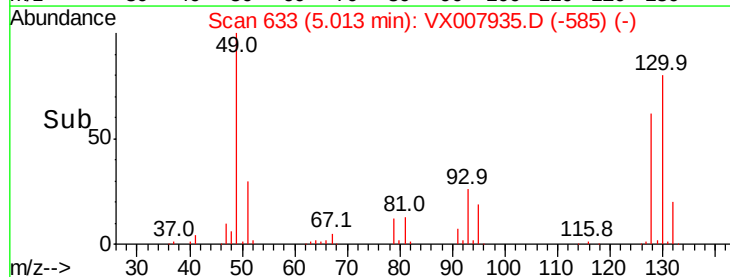
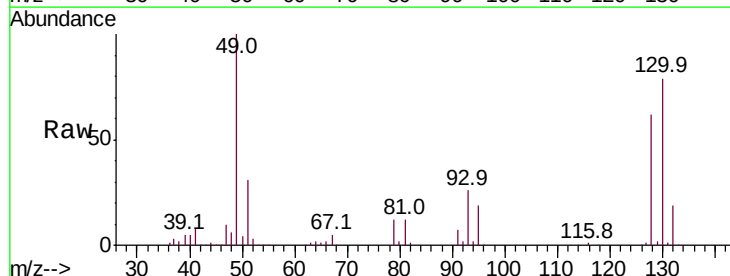
MMDadoda
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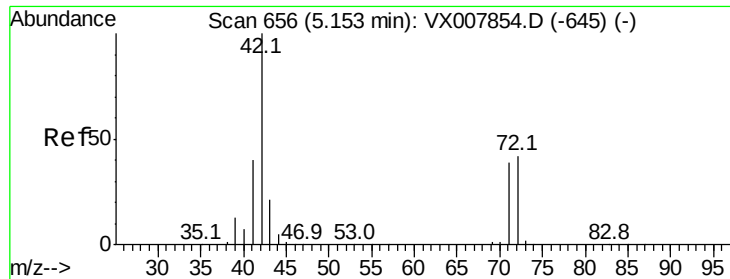


#28

Bromochloromethane
Concen: 48.160 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX007935.D
Acq: 08 Mar 2019 17:08

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.1	0.0	4.0	
130	80.5	65.0	97.4	





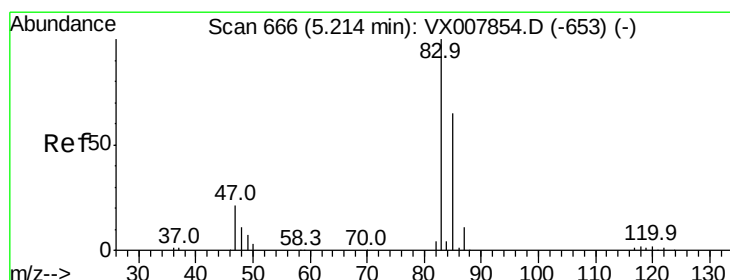
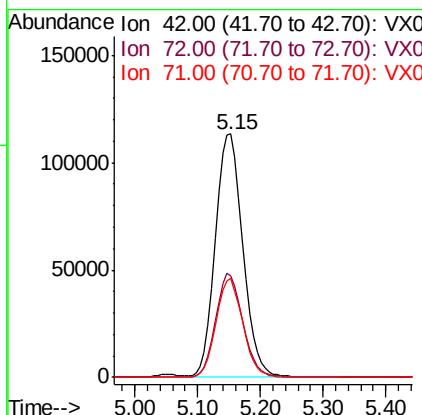
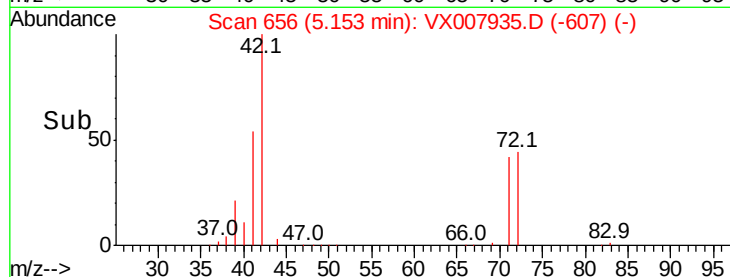
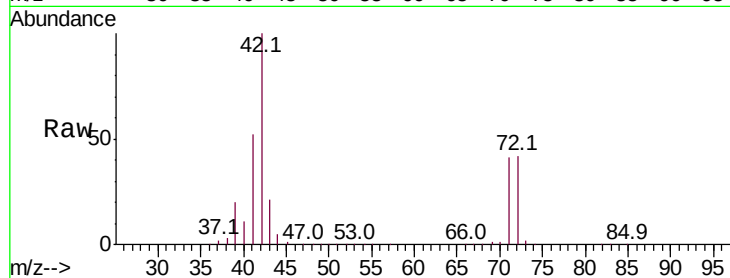
#29
Tetrahydrofuran
Concen: 229.527 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.00 min
Lab File: VX007935.D
Acq: 08 Mar 2019 17:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.3	33.8	50.6
71	39.7	31.5	47.3

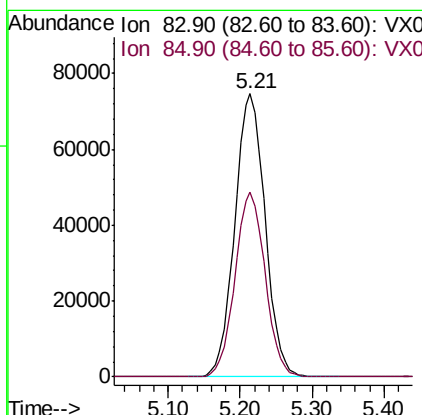
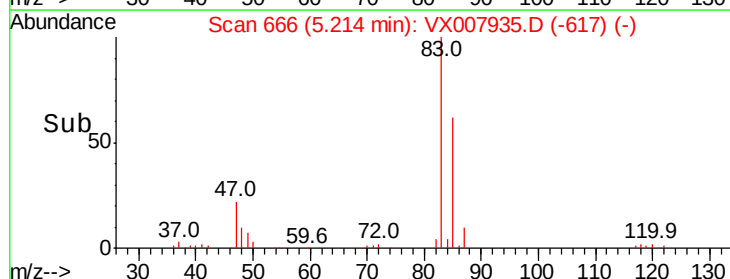
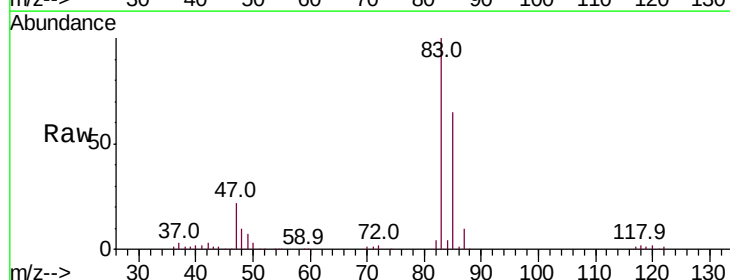
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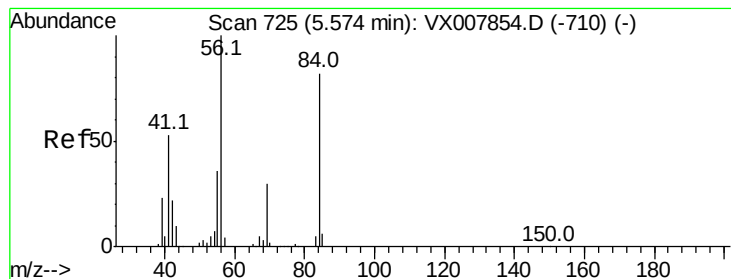
MMDadoda
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#30
Chloroform
Concen: 46.995 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX007935.D
Acq: 08 Mar 2019 17:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.8	77.6





#31

Cyclohexane

Concen: 48.256 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX007935.D

Acq: 08 Mar 2019 17:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 217519

Ion Ratio Lower Upper

56 100

69 30.3 24.0 36.0

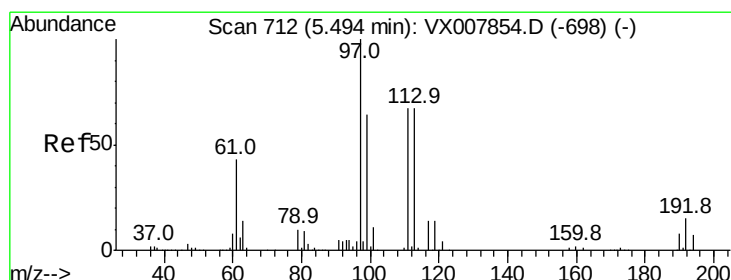
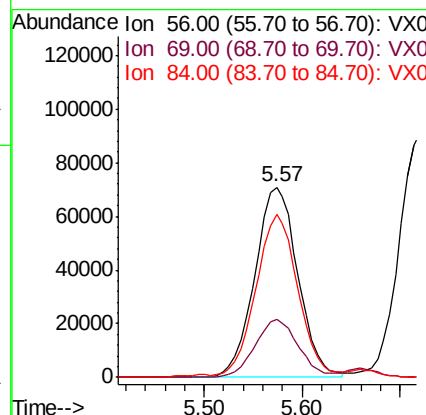
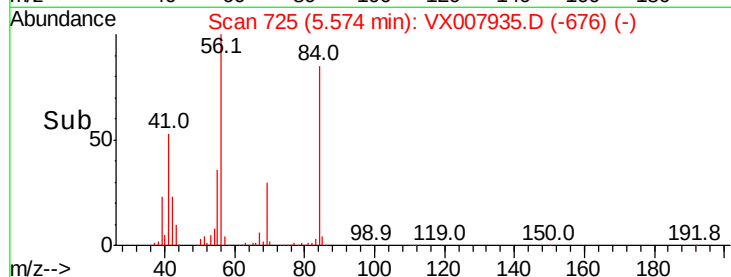
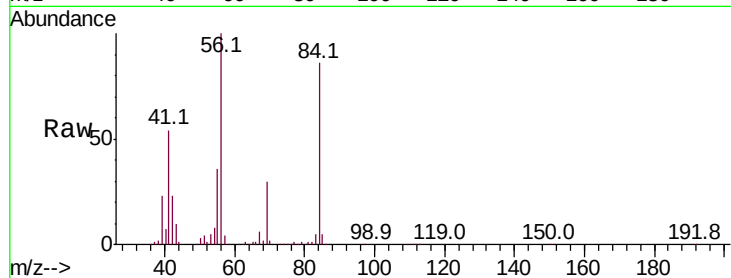
84 84.3 65.3 97.9

Manual Integrations

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3/11/2019 12:02:14 PM



#32

1,1,1-Trichloroethane

Concen: 47.815 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX007935.D

Acq: 08 Mar 2019 17:08

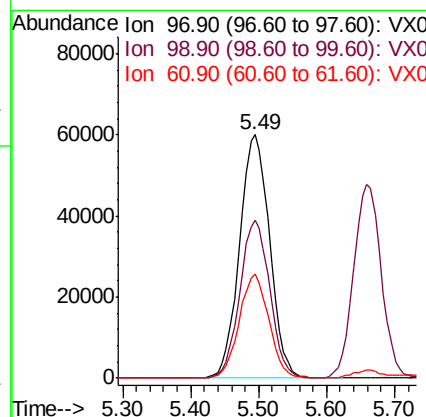
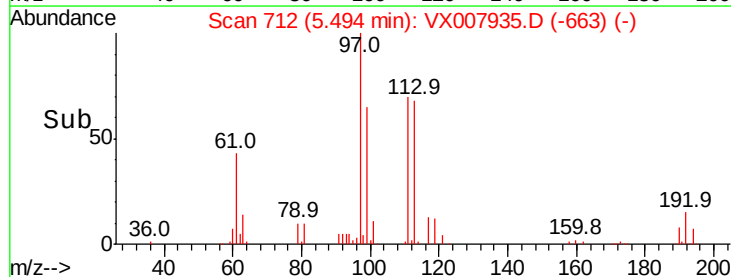
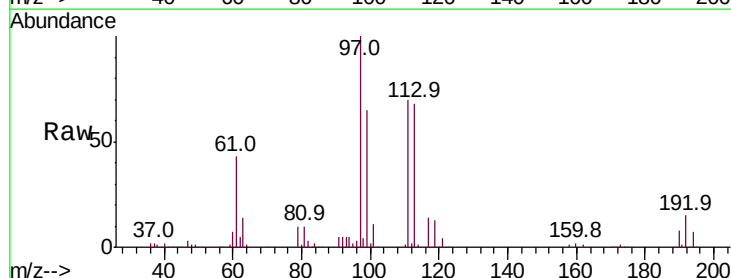
Tgt Ion: 97 Resp: 184052

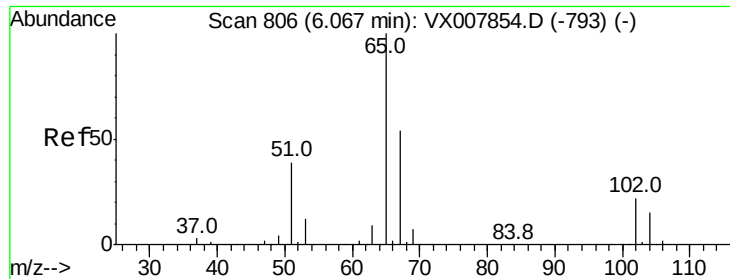
Ion Ratio Lower Upper

97 100

99 64.7 52.2 78.2

61 42.4 34.9 52.3





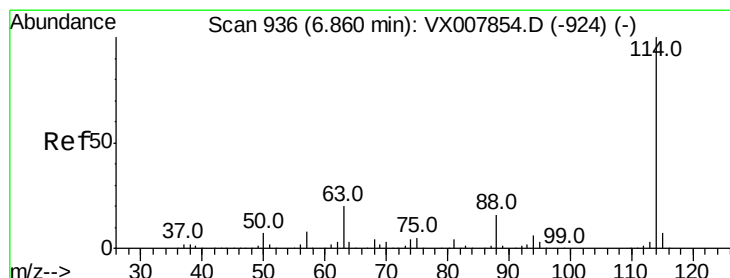
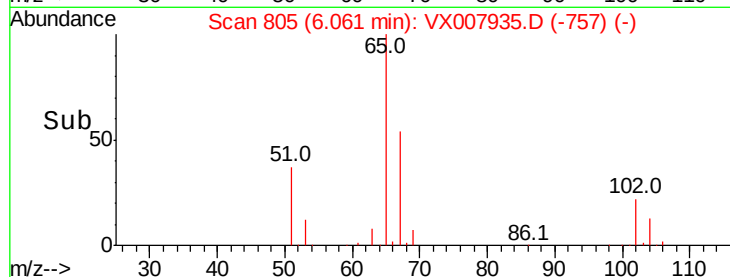
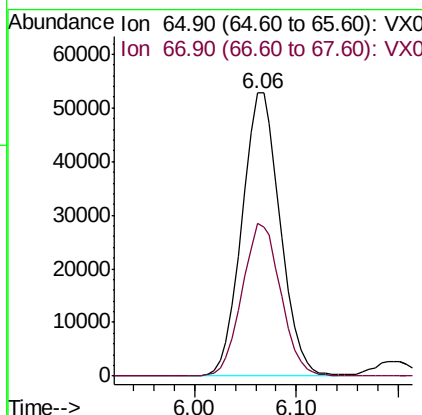
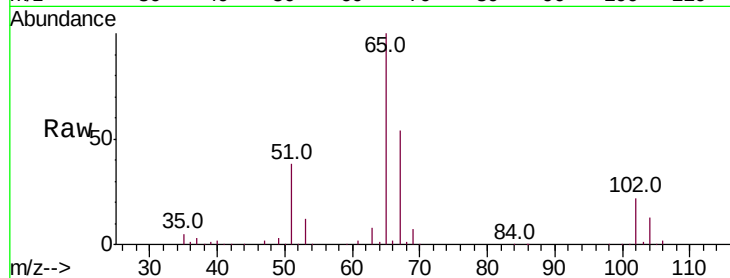
#33
 1,2-Dichloroethane-d4
 Concen: 46.963 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX007935.D
 Acq: 08 Mar 2019 17:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.4	0.0	110.0

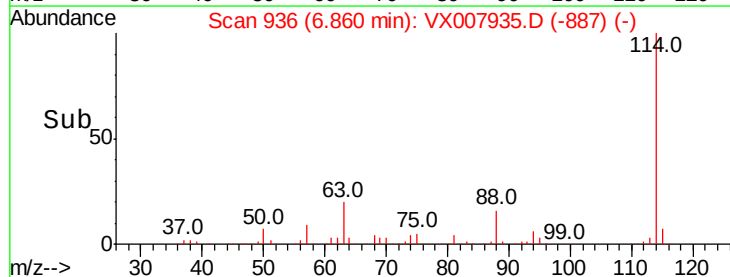
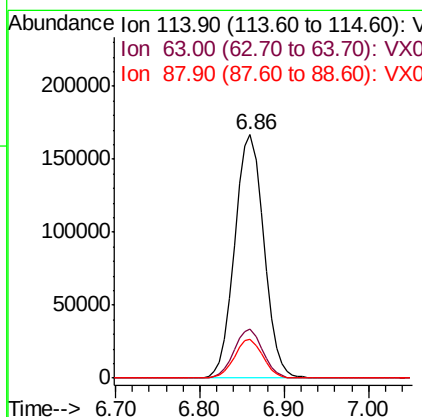
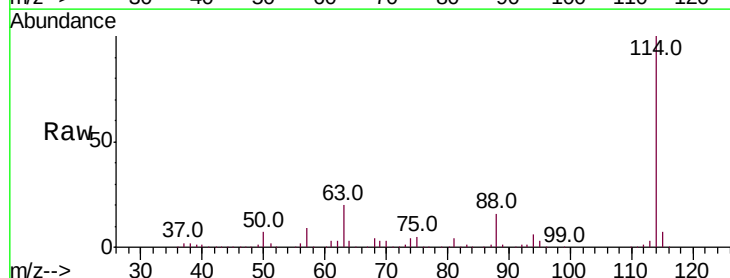
Manual Integrations
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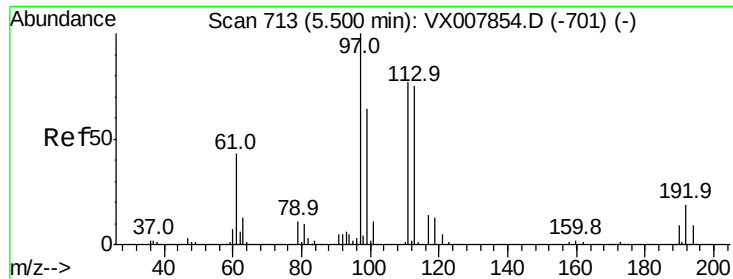
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX007935.D
 Acq: 08 Mar 2019 17:08

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	39.8
88	15.7	0.0	31.4





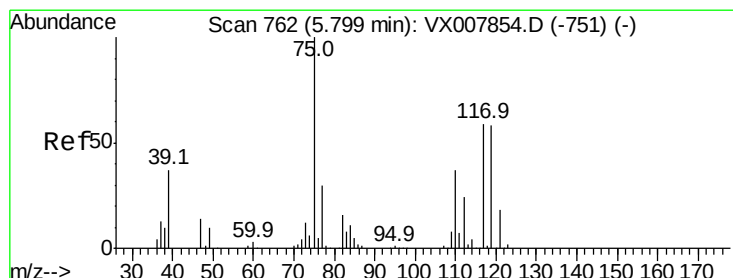
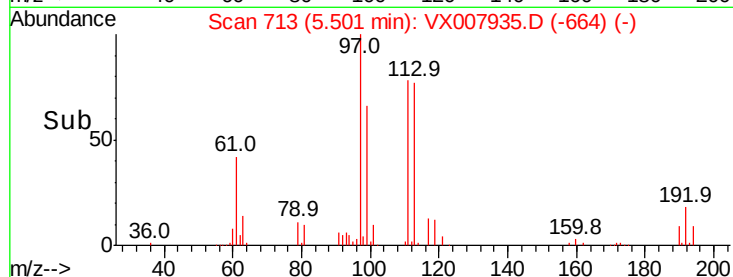
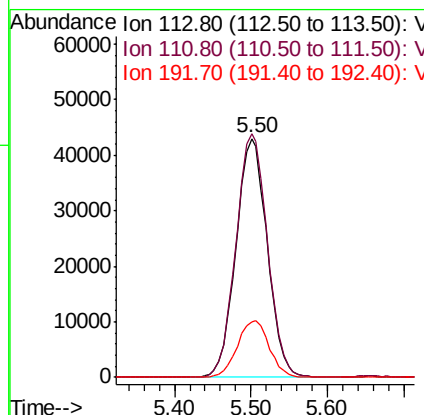
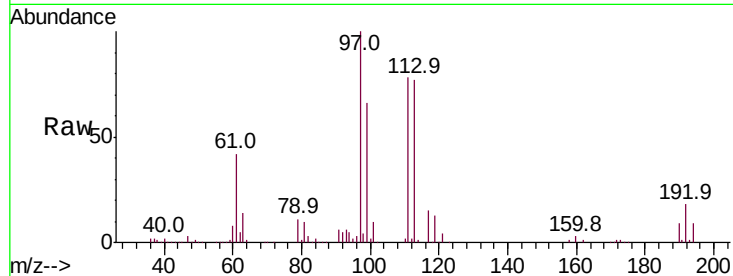
#35
 Dibromofluoromethane
 Concen: 48.811 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX007935.D
 Acq: 08 Mar 2019 17:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	121912		
111	102.9	81.4	122.0	
192	24.2	19.4	29.0	

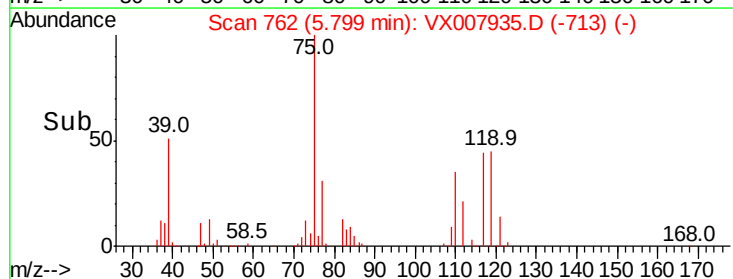
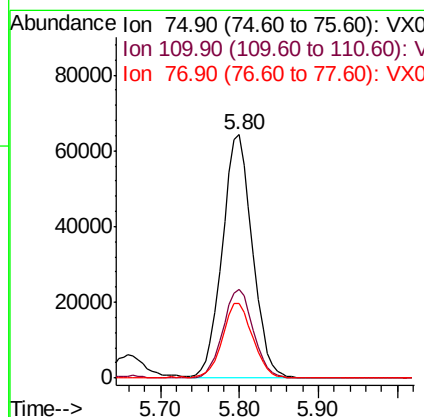
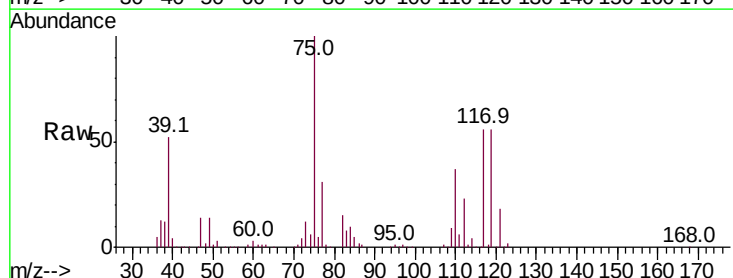
Manual Integrations
 APPROVED

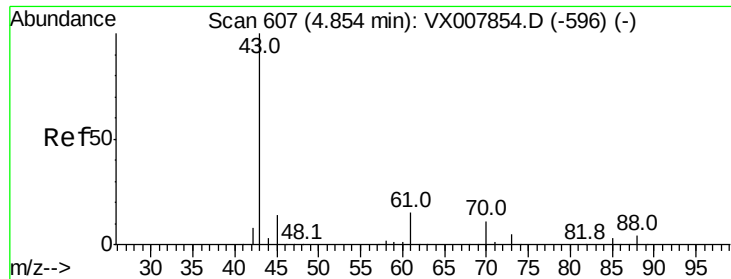
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#36
 1,1-Dichloropropene
 Concen: 48.359 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX007935.D
 Acq: 08 Mar 2019 17:08

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	170977		
110	36.7	18.4	55.0	
77	31.0	25.0	37.4	





#37

Ethyl Acetate

Concen: 46.206 ug/l

RT: 4.85 min Scan# 607

Delta R.T. 0.00 min

Lab File: VX007935.D

Acq: 08 Mar 2019 17:08

Instrument :

MSVOA_X

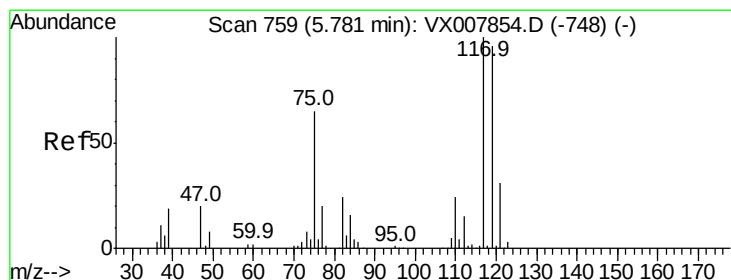
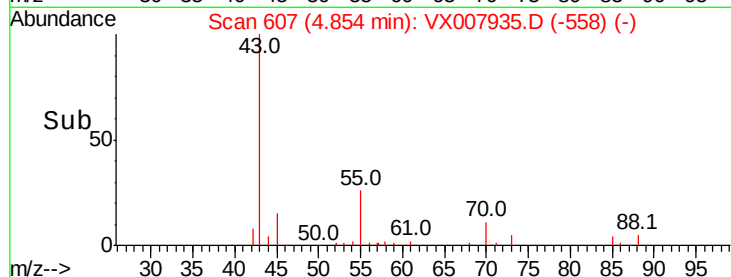
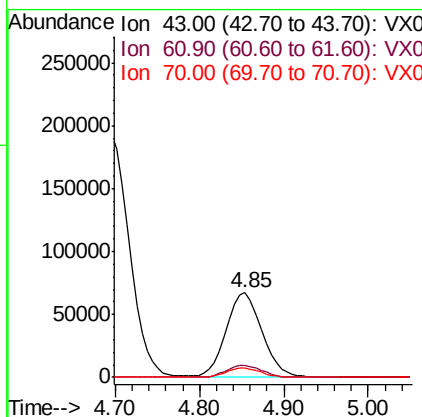
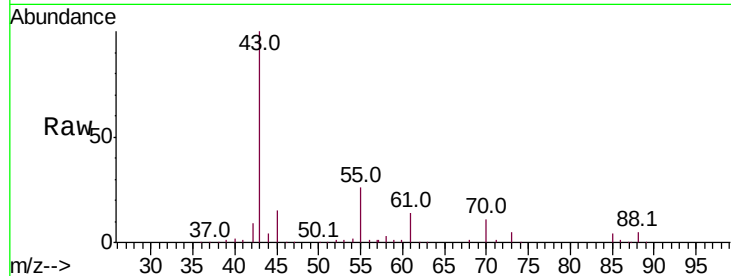
ClientSampled :

VSTDCCC050

Tot Ion:	43	Resp:	193863
Ion Ratio	Lower	Upper	
43	100		
61	14.6	11.3	16.9
70	11.0	8.5	12.7

Manual Integrations
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3/11/2019 12:02:14 PM



#38

Carbon Tetrachloride

Concen: 48.655 ug/l

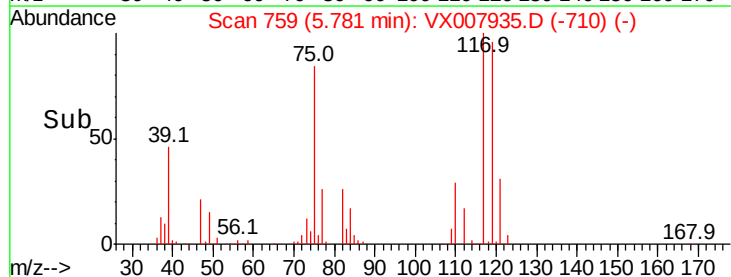
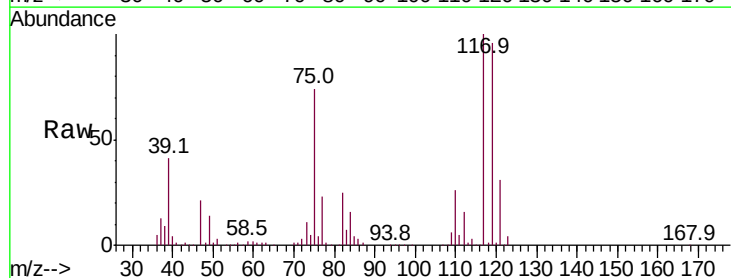
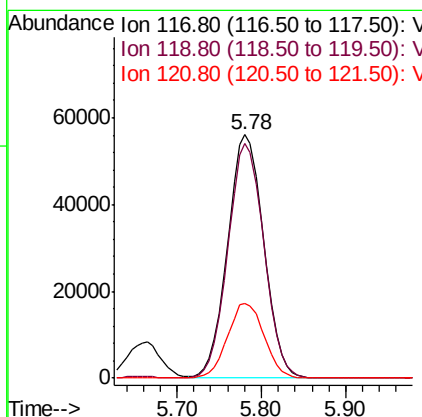
RT: 5.78 min Scan# 759

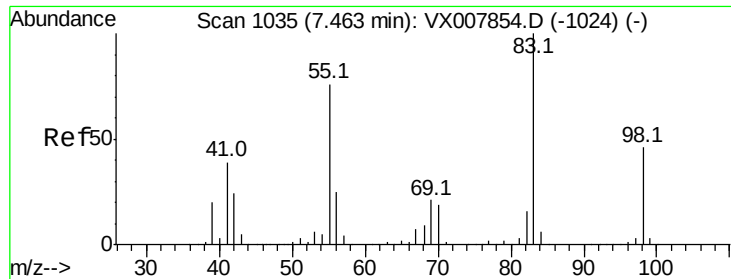
Delta R.T. 0.00 min

Lab File: VX007935.D

Acq: 08 Mar 2019 17:08

Tgt Ion:	117	Resp:	163314
Ion Ratio	Lower	Upper	
117	100		
119	96.2	76.2	114.2
121	30.8	24.6	36.8





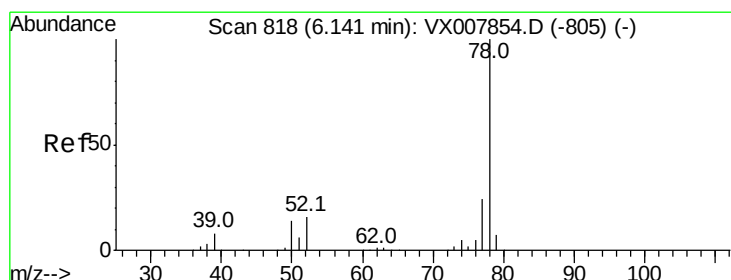
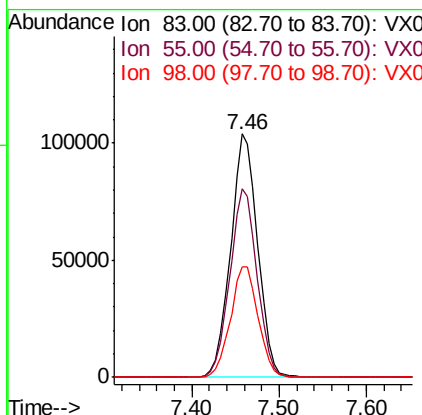
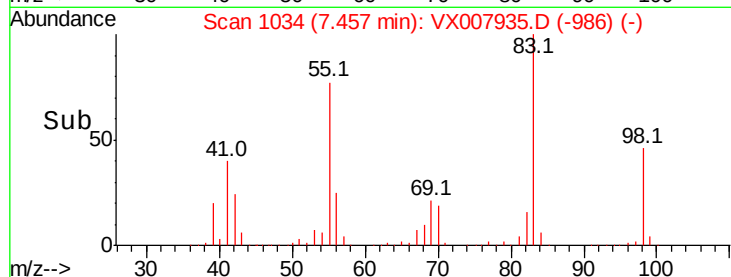
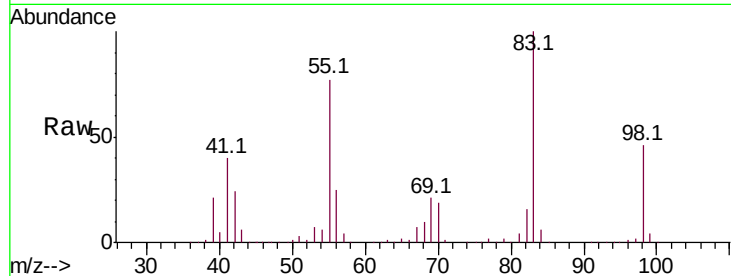
#39
Methylvlcyclohexane
Concen: 52.042 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX007935.D
Acq: 08 Mar 2019 17:08

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	77.3	60.4	90.6	
98	45.6	36.5	54.7	

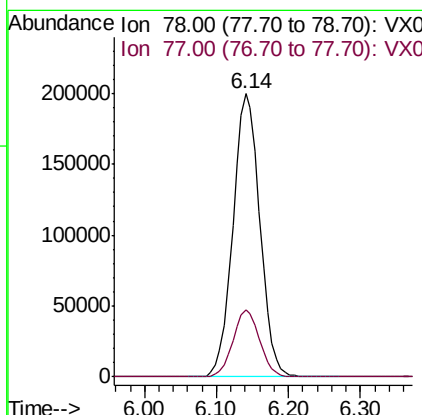
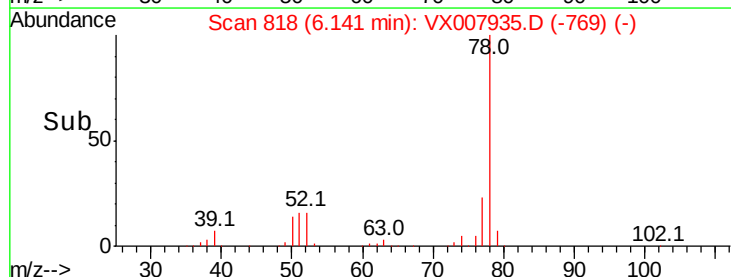
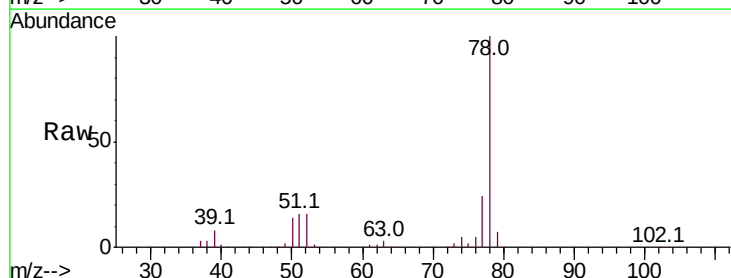
Manual Integrations
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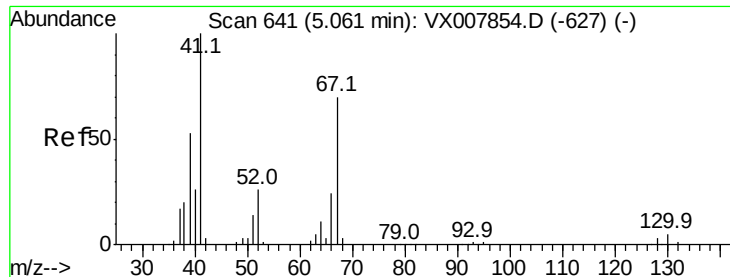
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#40
Benzene
Concen: 49.090 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX007935.D
Acq: 08 Mar 2019 17:08

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.6	19.0	28.4	





#41

Methacrylonitrile

Concen: 48.951 ug/l

RT: 5.06 min Scan# 640

Delta R.T. -0.01 min

Lab File: VX007935.D

Acq: 08 Mar 2019 17:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 111973

Ion Ratio Lower Upper

41 100

39 51.9 41.6 62.4

67 69.3 55.8 83.6

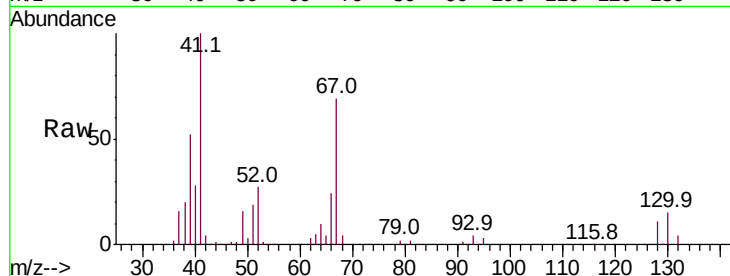
52 27.3 21.7 32.5

Manual Integrations

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3/11/2019 12:02:14 PM

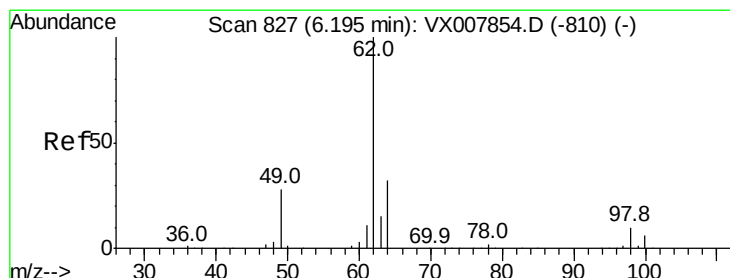
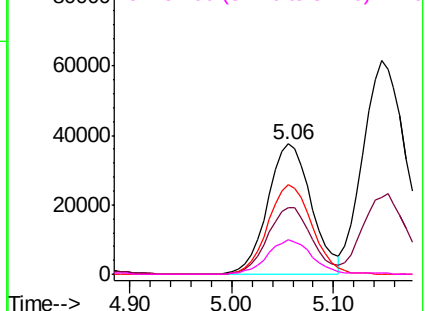
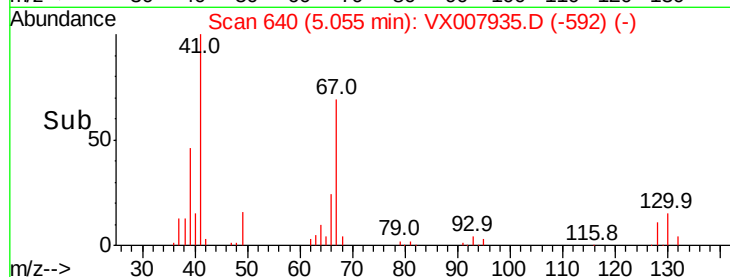


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 48.436 ug/l

RT: 6.20 min Scan# 827

Delta R.T. 0.00 min

Lab File: VX007935.D

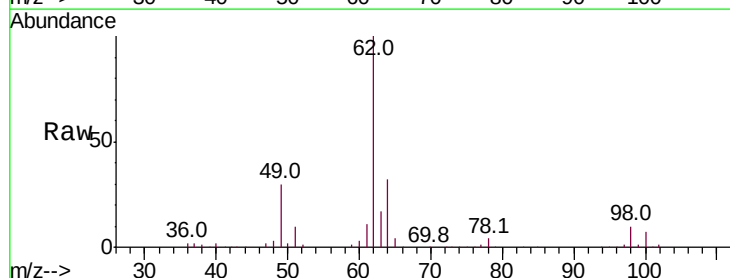
Acq: 08 Mar 2019 17:08

Tgt Ion: 62 Resp: 166726

Ion Ratio Lower Upper

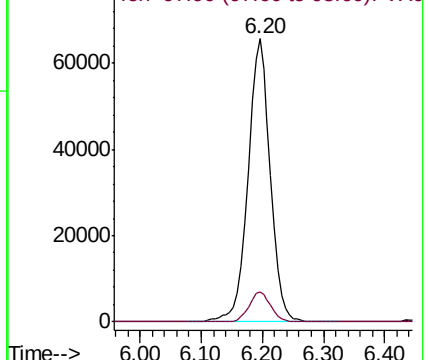
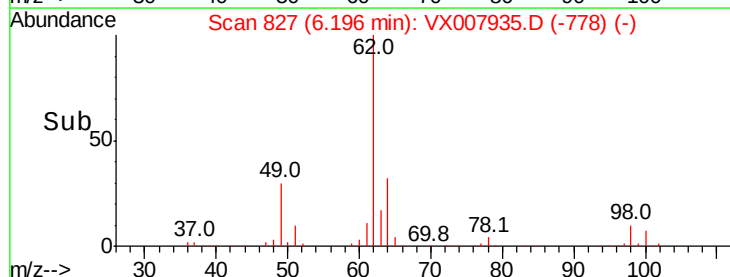
62 100

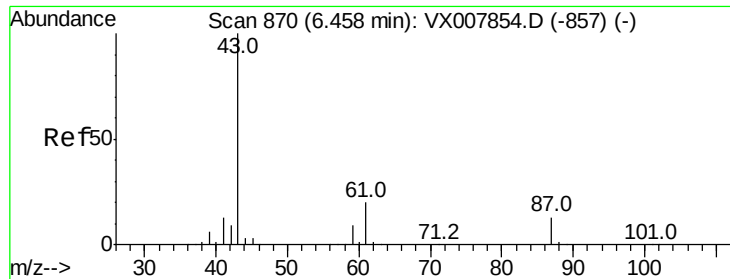
98 10.4 0.0 20.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 48.932 ug/l

RT: 6.46 min Scan# 870

Delta R.T. 0.00 min

Lab File: VX007935.D

Acq: 08 Mar 2019 17:08

Instrument :

MSVOA_X

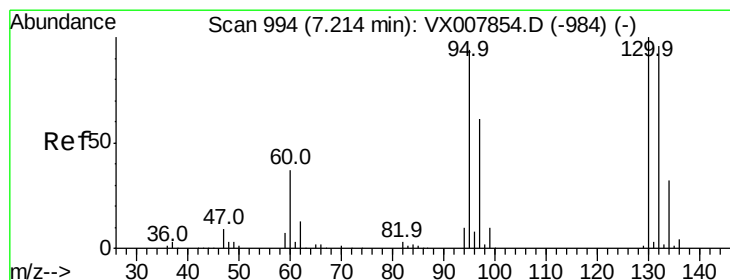
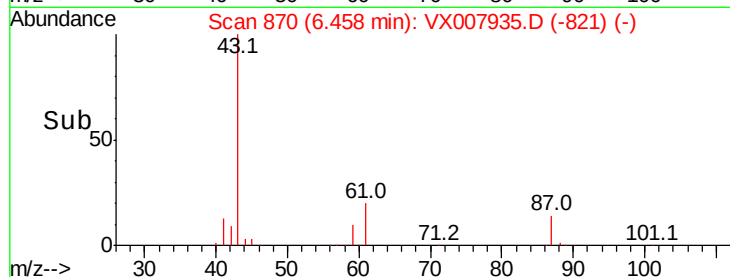
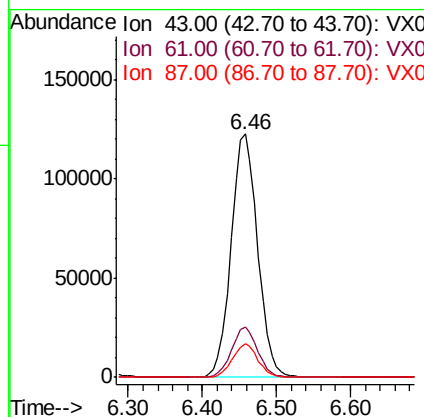
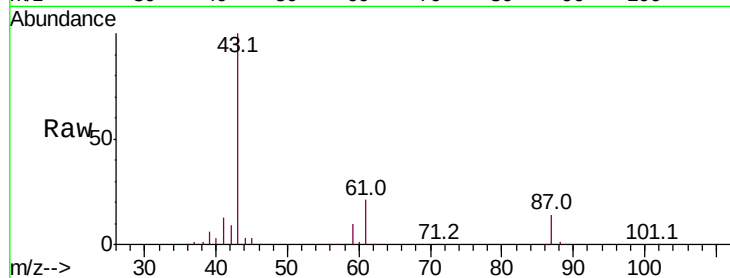
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	303837
Ion	Ratio	Lower	Upper
43	100		
61	20.4	16.3	24.5
87	13.3	10.5	15.7

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#44

Trichloroethene

Concen: 48.952 ug/l

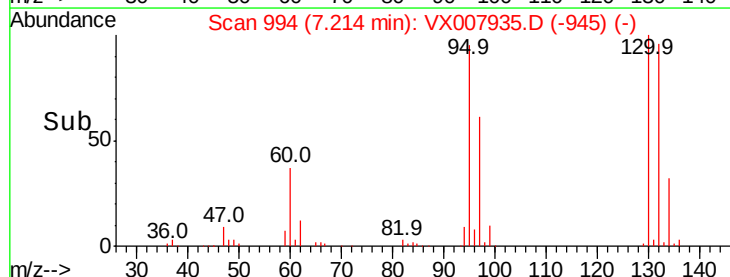
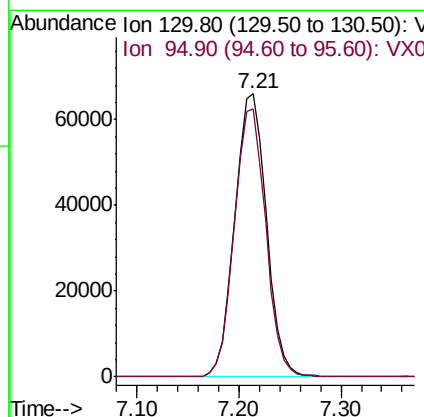
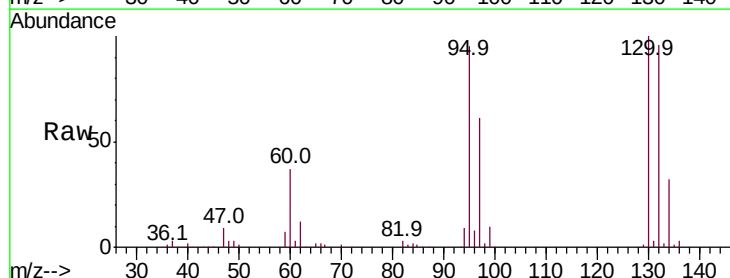
RT: 7.21 min Scan# 994

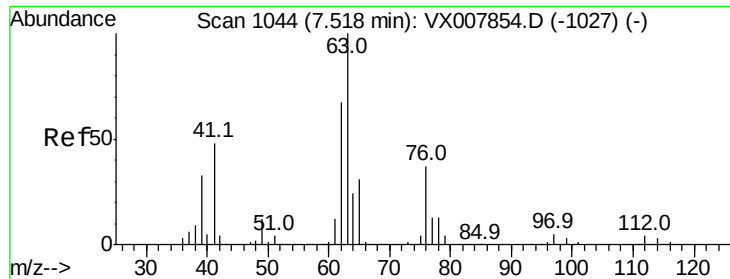
Delta R.T. 0.00 min

Lab File: VX007935.D

Acq: 08 Mar 2019 17:08

Tgt Ion:	130	Resp:	141991
Ion	Ratio	Lower	Upper
130	100		
95	94.6	0.0	188.0





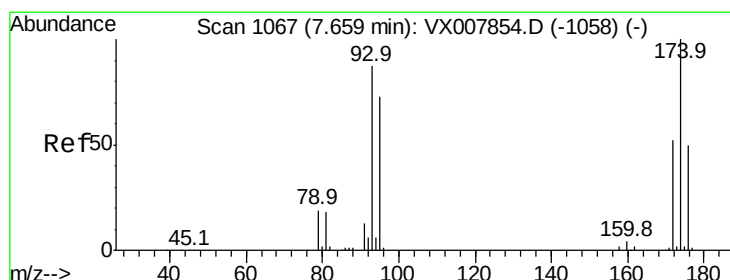
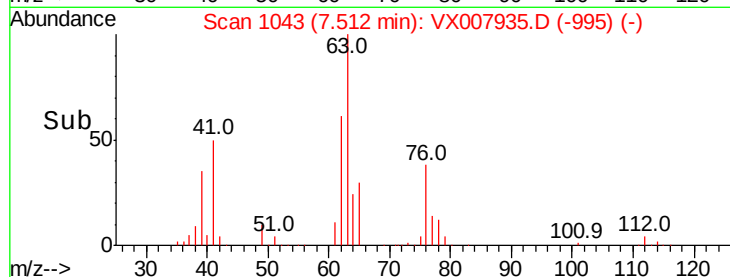
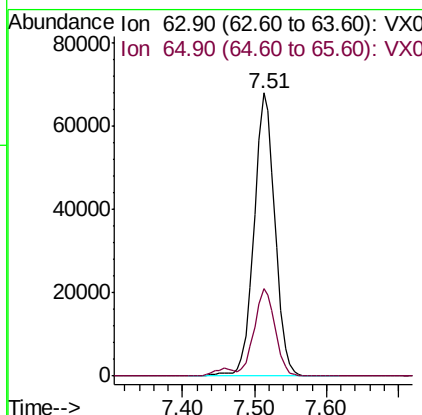
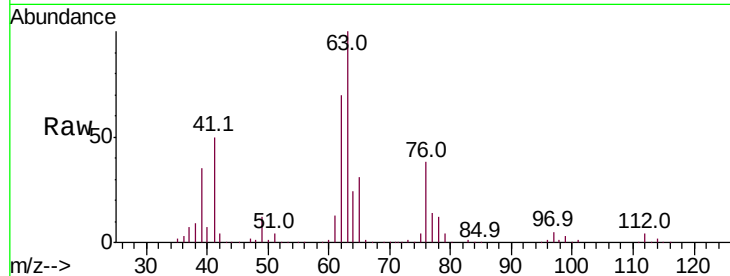
#45
 1,2-Dichloropropane
 Concen: 49.477 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.01 min
 Lab File: VX007935.D
 Acq: 08 Mar 2019 17:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 137546
 Ion Ratio Lower Upper
 63 100
 65 31.1 24.7 37.1

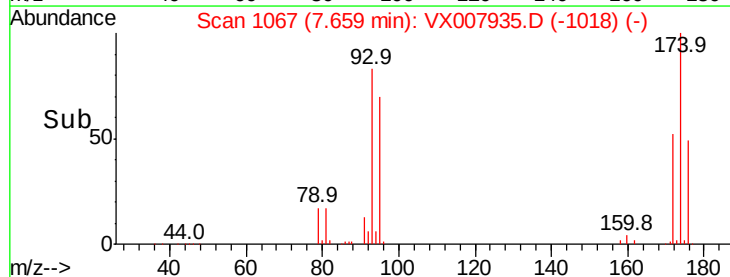
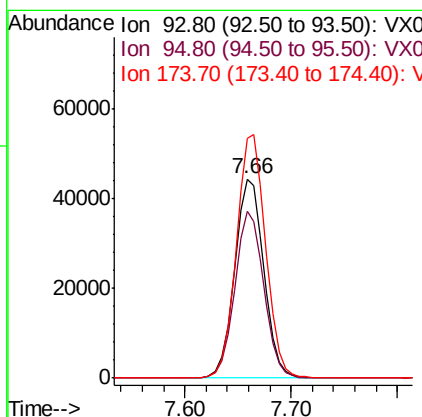
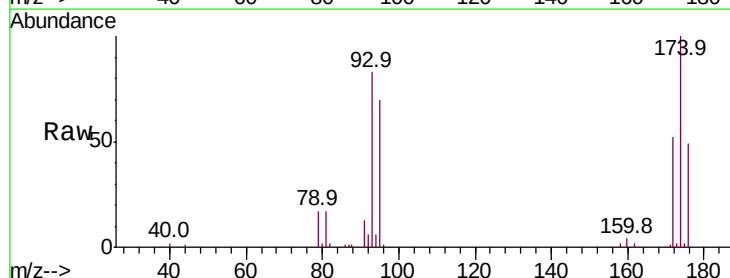
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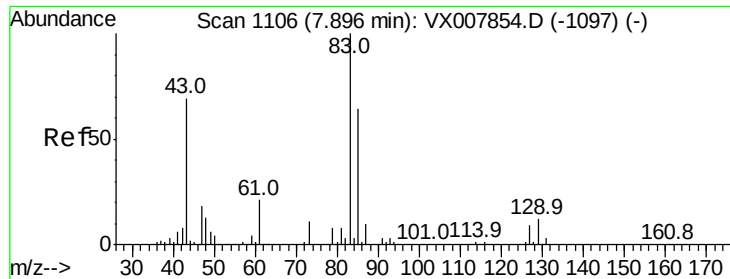
MMDadoda
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#46
 Dibromomethane
 Concen: 48.499 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX007935.D
 Acq: 08 Mar 2019 17:08

Tgt Ion: 93 Resp: 85325
 Ion Ratio Lower Upper
 93 100
 95 83.6 66.8 100.2
 174 122.9 97.3 145.9





#47

Bromodichloromethane

Concen: 49.044 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX007935.D

Acq: 08 Mar 2019 17:08

Instrument :

MSVOA_X

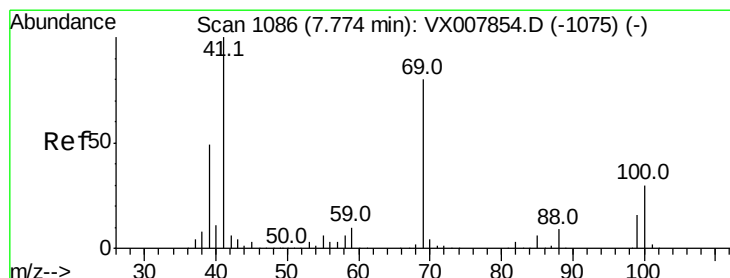
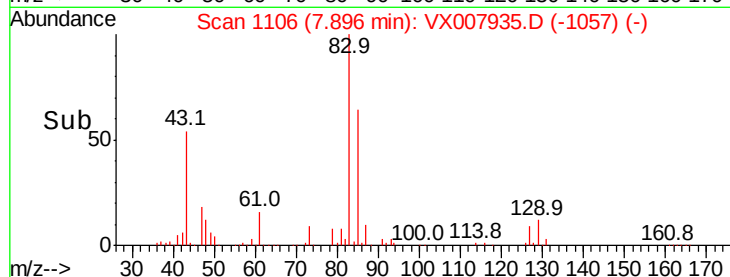
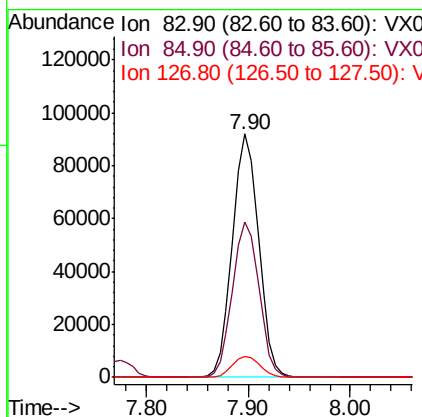
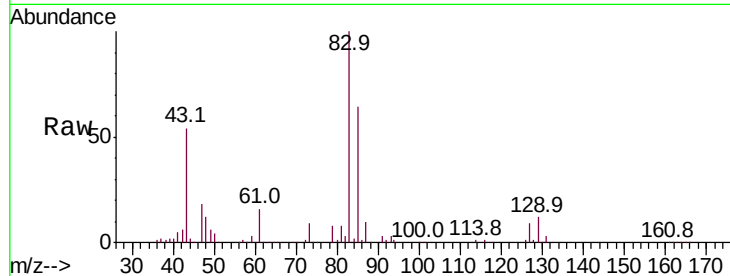
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	163592
Ion	Ratio	Lower	Upper
83	100		
85	63.9	50.9	76.3
127	8.8	7.4	11.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 49.487 ug/l

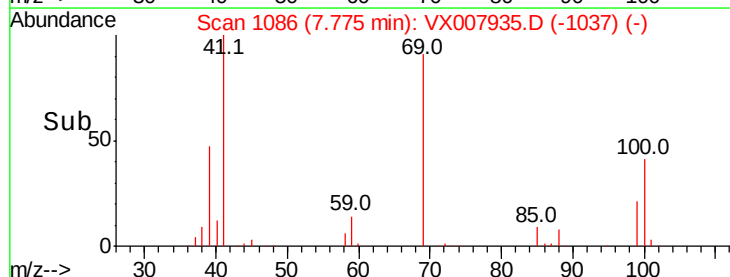
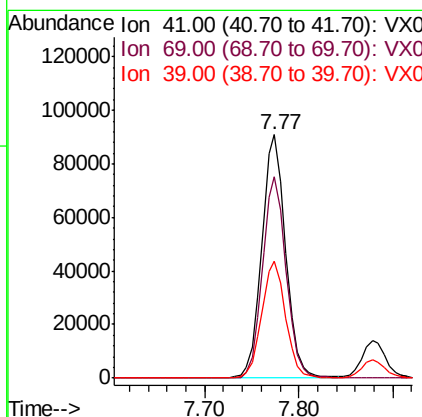
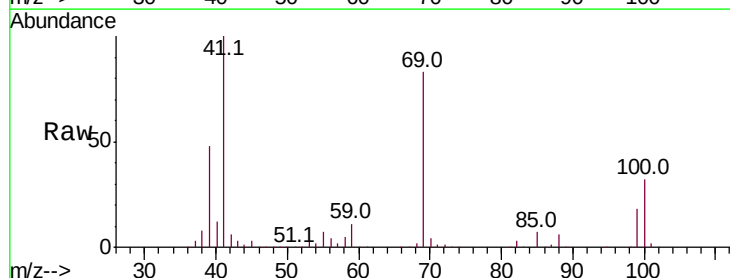
RT: 7.77 min Scan# 1086

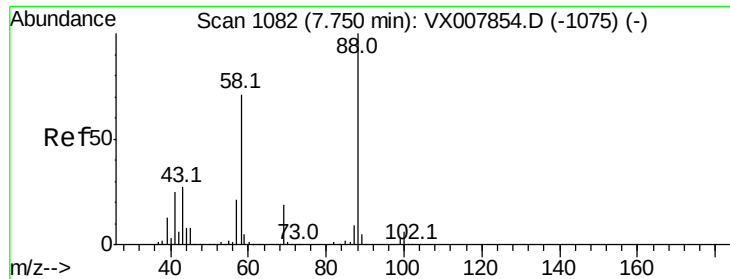
Delta R.T. 0.00 min

Lab File: VX007935.D

Acq: 08 Mar 2019 17:08

Tgt Ion:	41	Resp:	161558
Ion	Ratio	Lower	Upper
41	100		
69	82.6	65.2	97.8
39	48.5	39.4	59.2





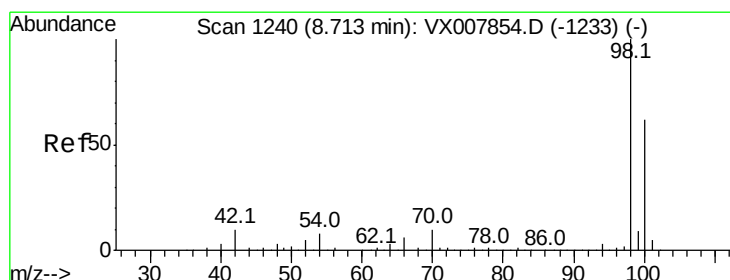
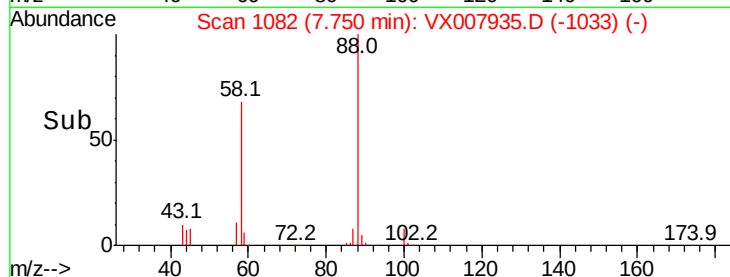
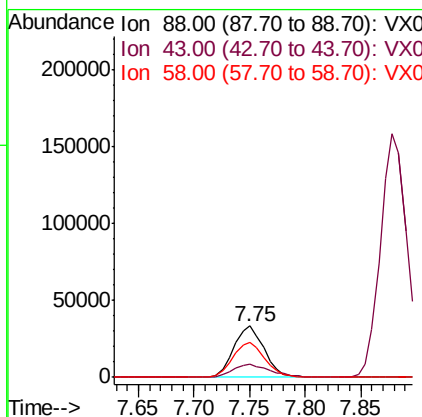
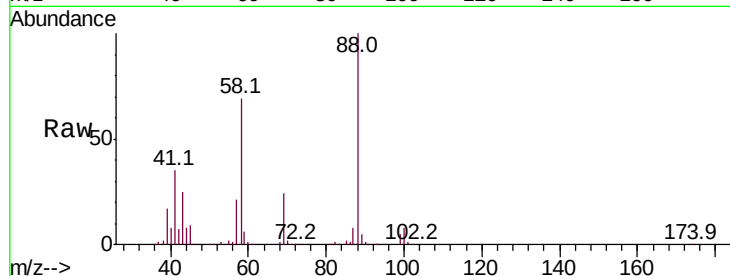
#49
1,4-Dioxane
Concen: 942.922 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX007935.D
Acq: 08 Mar 2019 17:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.0	25.1	37.7
58	72.1	57.8	86.6

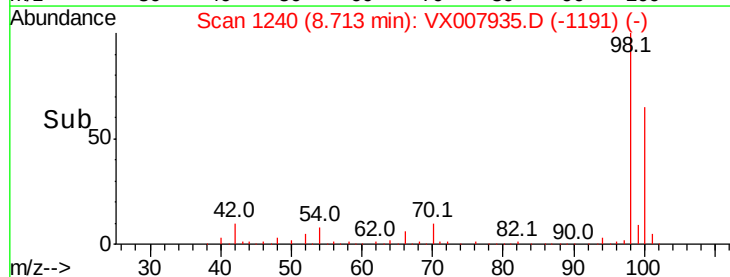
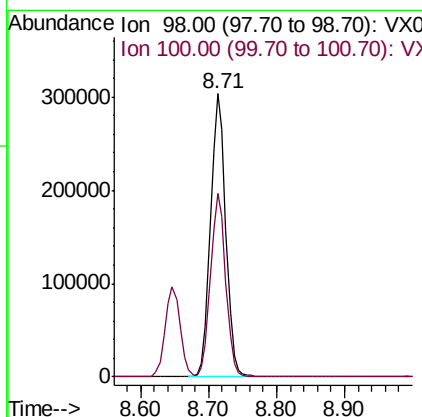
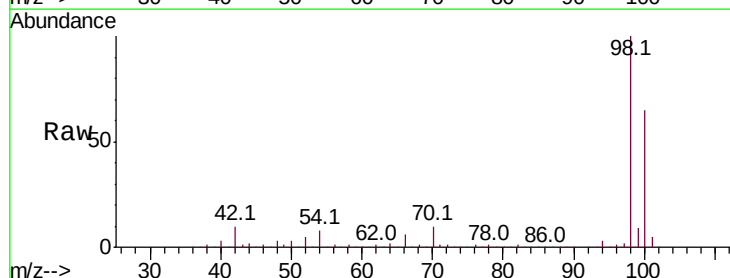
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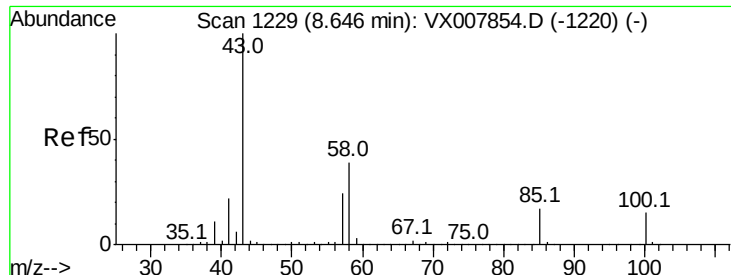
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3/11/2019 12:02:14 PM



#50
Toluene-d8
Concen: 51.262 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX007935.D
Acq: 08 Mar 2019 17:08

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 245.532 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX007935.D

Acq: 08 Mar 2019 17:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 980475

Ion Ratio Lower Upper

43 100

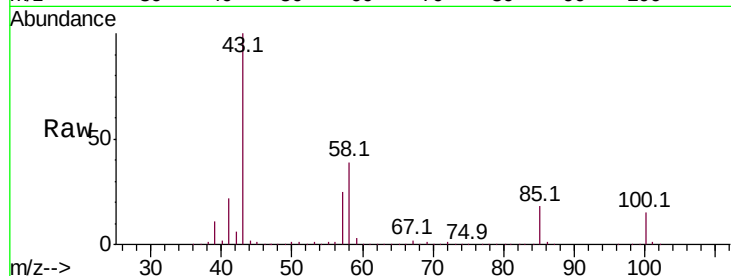
58 39.4 31.3 46.9

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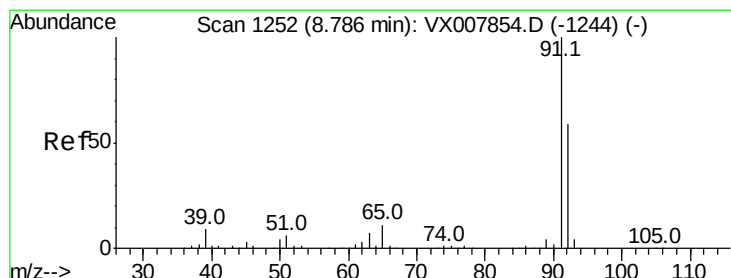
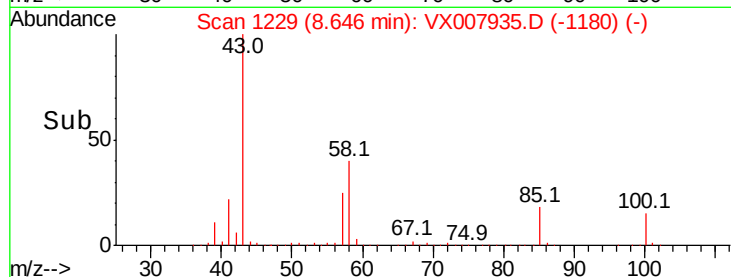
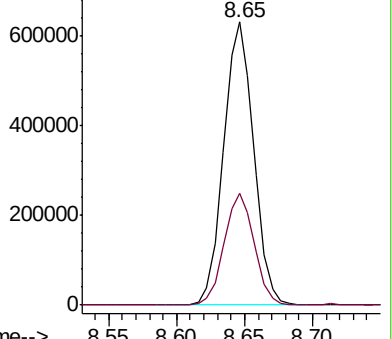
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3/11/2019 12:02:14 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 50.529 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX007935.D

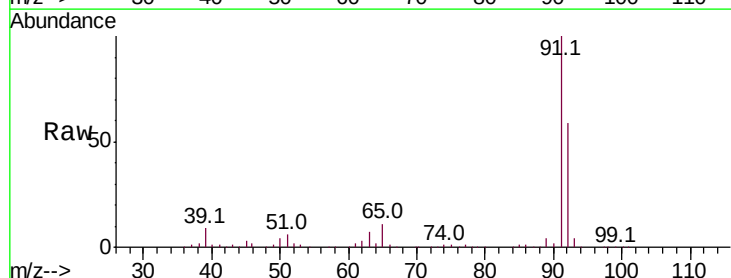
Acq: 08 Mar 2019 17:08

Tgt Ion: 92 Resp: 324702

Ion Ratio Lower Upper

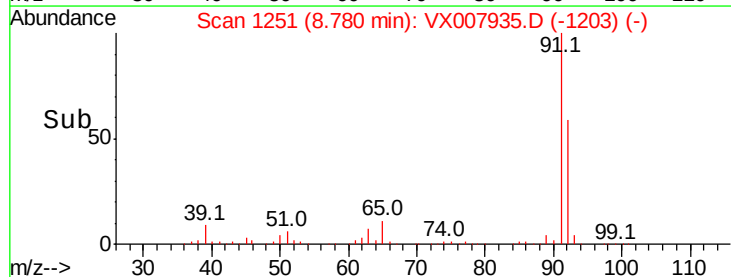
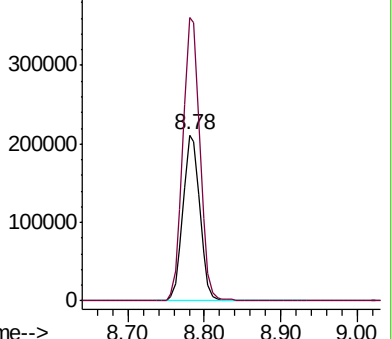
92 100

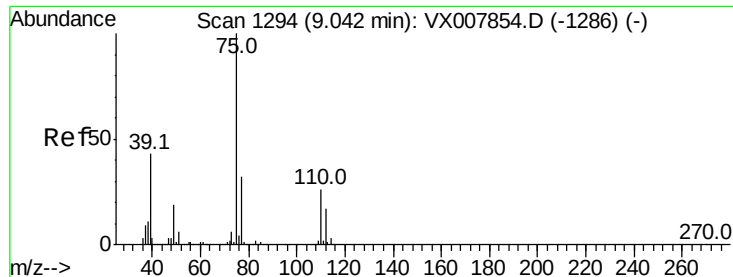
91 172.1 137.4 206.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 52.242 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX007935.D

Acq: 08 Mar 2019 17:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 181879

Ion Ratio Lower Upper

75 100

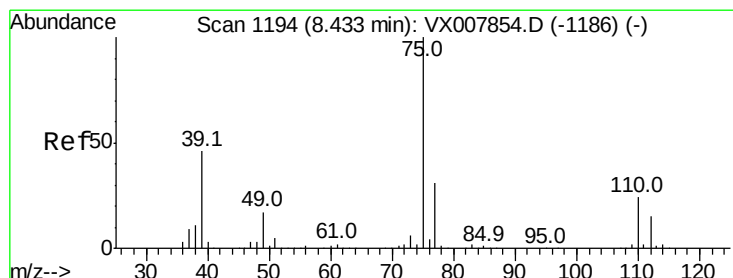
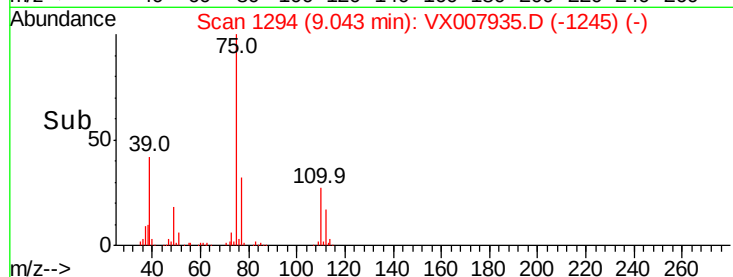
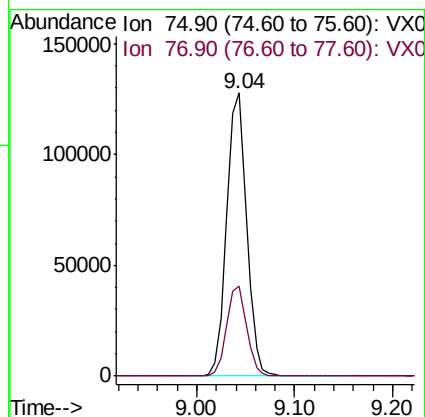
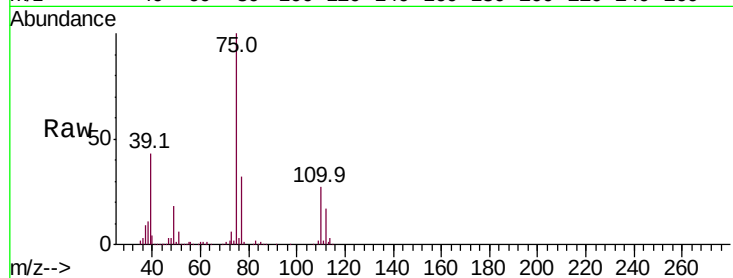
77 31.8 25.4 38.0

Manual Integrations

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3/11/2019 12:02:14 PM



#54

cis-1,3-Dichloropropene

Concen: 51.917 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX007935.D

Acq: 08 Mar 2019 17:08

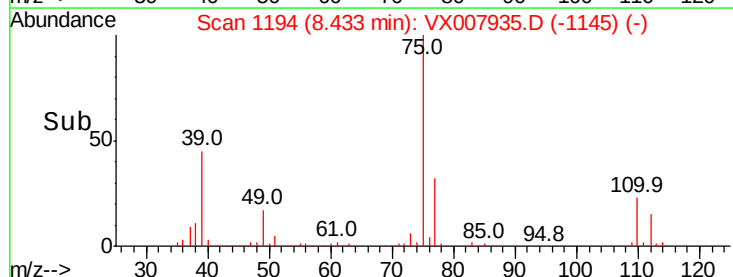
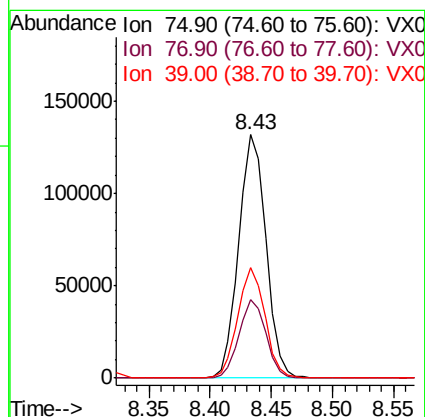
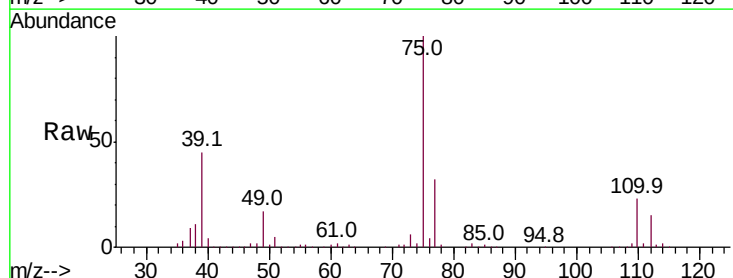
Tgt Ion: 75 Resp: 204111

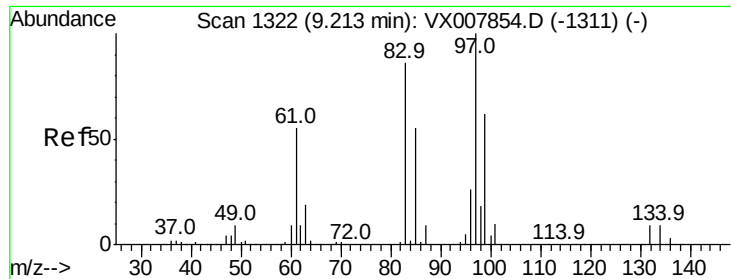
Ion Ratio Lower Upper

75 100

77 32.2 25.0 37.6

39 45.1 36.6 54.8





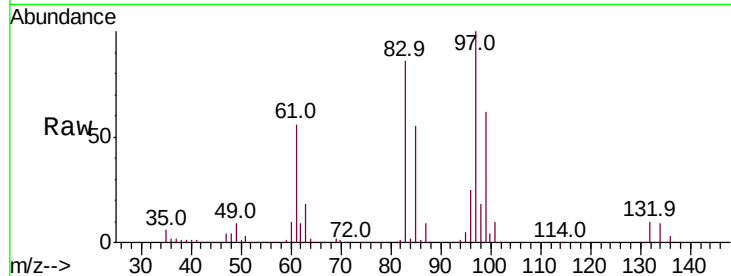
#55
1,1,2-Trichloroethane
Concen: 50.581 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VX007935.D
Acq: 08 Mar 2019 17:08

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

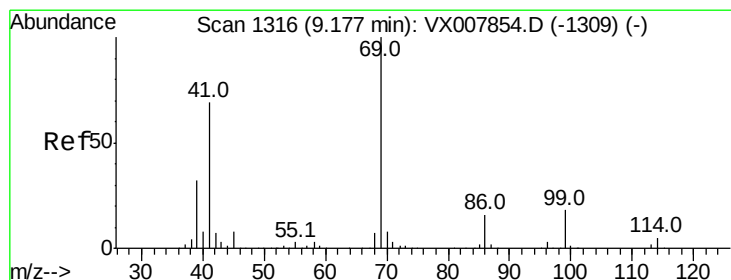
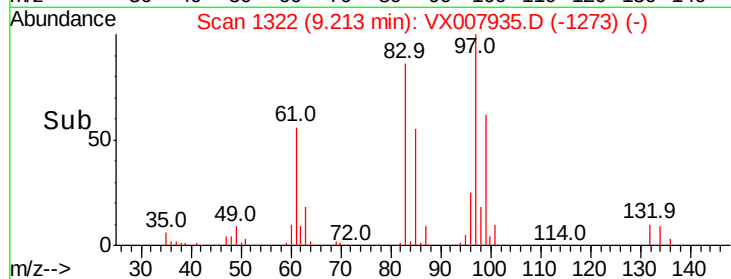
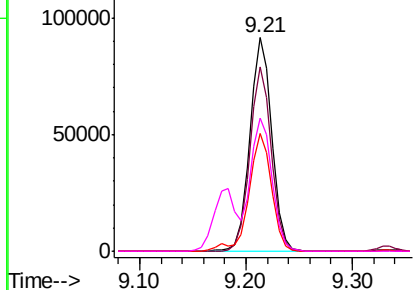
Tot Ion	Ratio	Resp	Lower	Upper
97	100	131580		
83	86.3	69.1	103.7	
85	55.1	44.3	66.5	
99	62.2	49.8	74.8	

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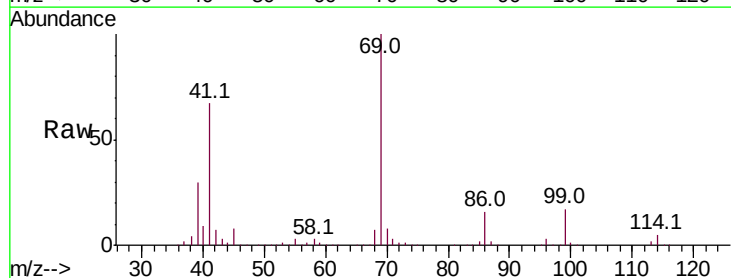


Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 98.90 (98.60 to 99.60): VX0

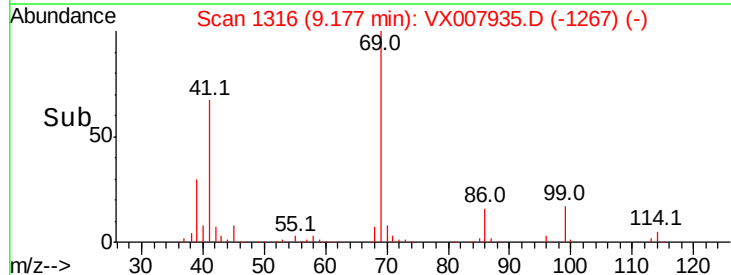
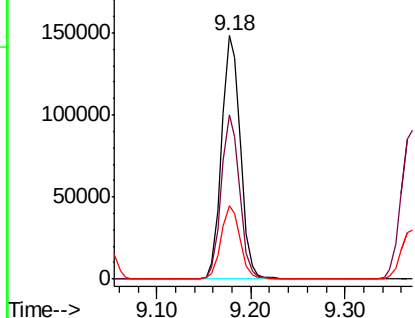


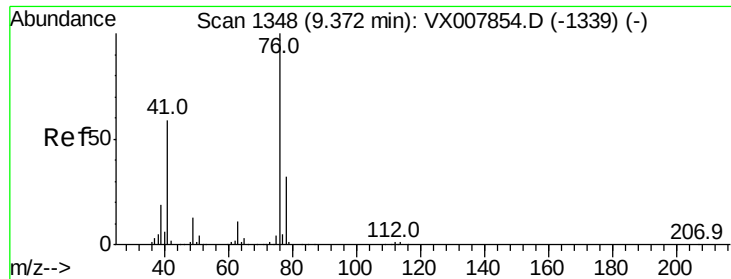
#56
Ethyl methacrylate
Concen: 52.313 ug/l
RT: 9.18 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VX007935.D
Acq: 08 Mar 2019 17:08

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	204323		
41	66.4	54.2	81.4	
39	30.6	25.0	37.4	



Abundance Ion 69.00 (68.70 to 69.70): VX0
Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 50.016 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX007935.D

Acq: 08 Mar 2019 17:08

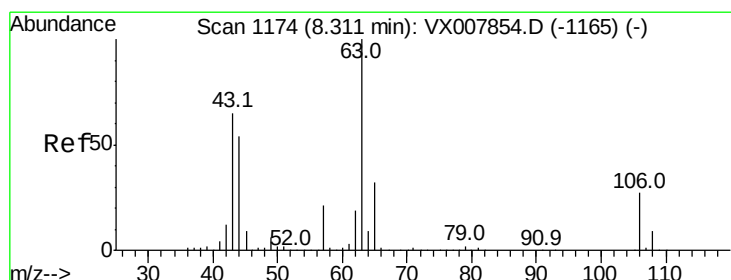
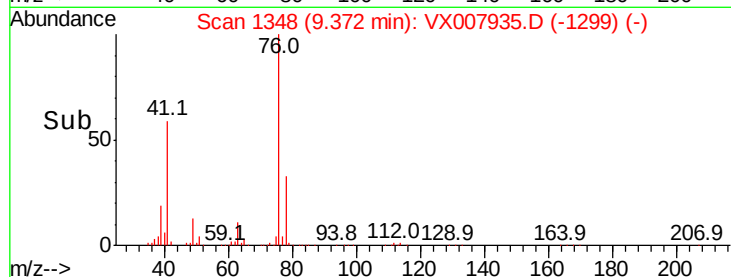
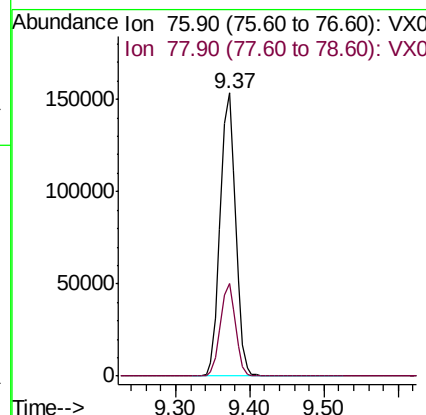
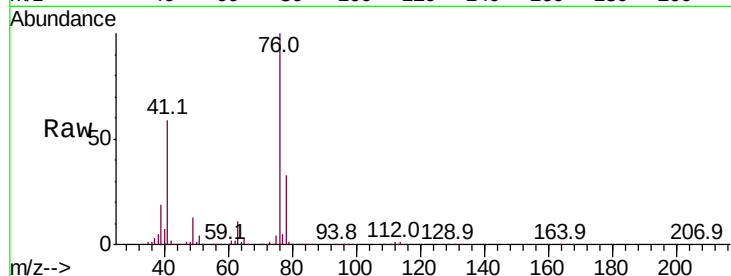
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 218464

Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.5	38.3

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#58

2-Chloroethyl Vinyl ether

Concen: 260.662 ug/l

RT: 8.31 min Scan# 1174

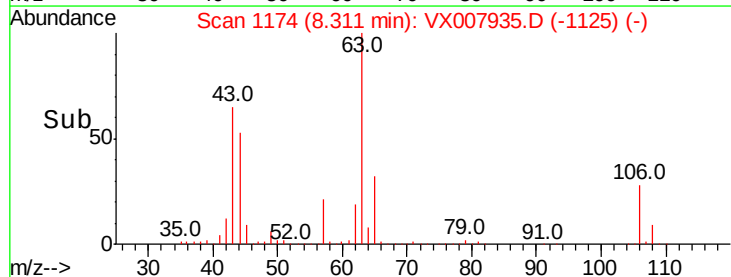
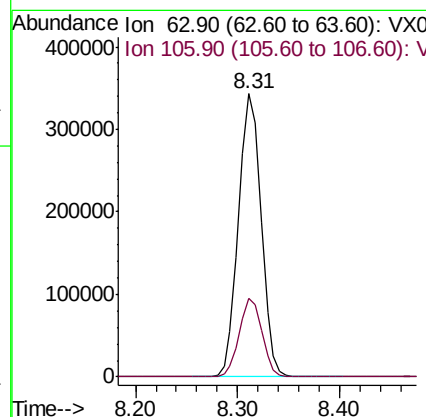
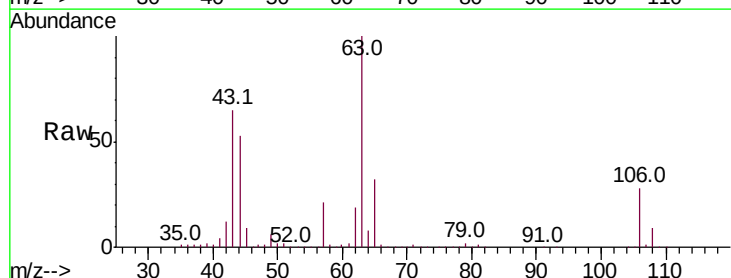
Delta R.T. 0.00 min

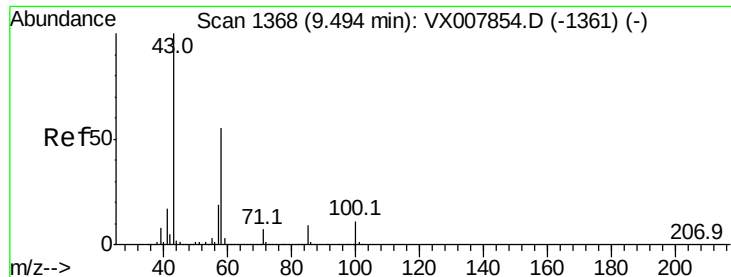
Lab File: VX007935.D

Acq: 08 Mar 2019 17:08

Tgt Ion: 63 Resp: 526636

Ion	Ratio	Lower	Upper
63	100		
106	27.9	22.2	33.2





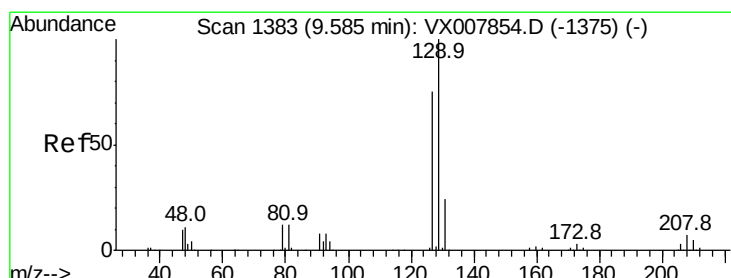
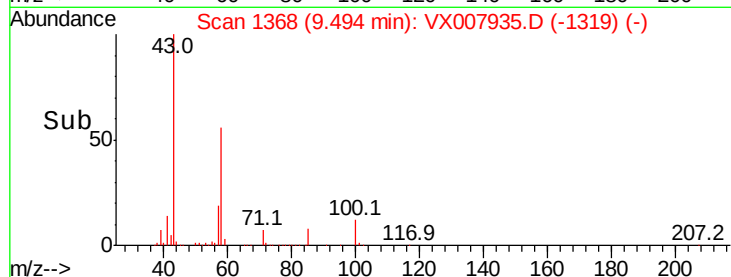
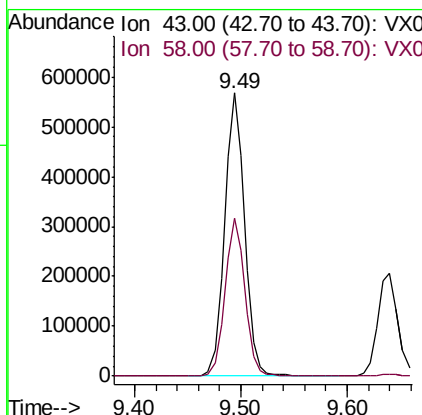
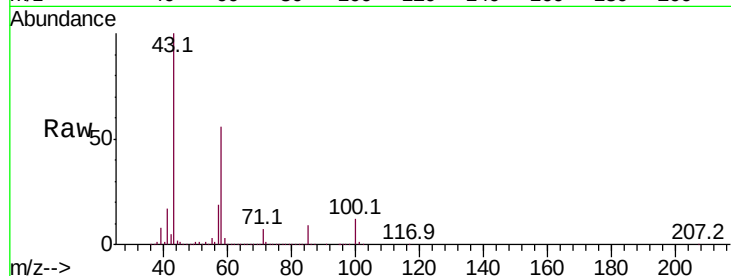
#59
2-Hexanone
Concen: 239.859 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX007935.D
Acq: 08 Mar 2019 17:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 743632
Ion Ratio Lower Upper
43 100
58 55.6 27.6 82.7

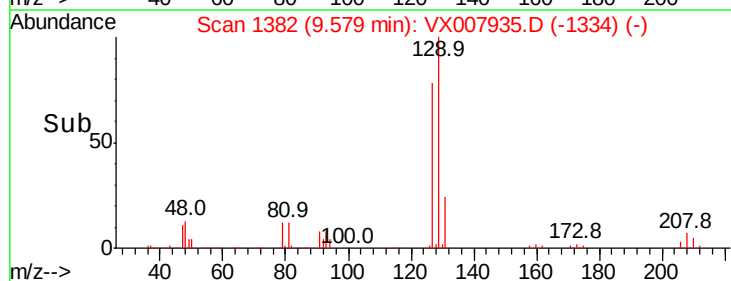
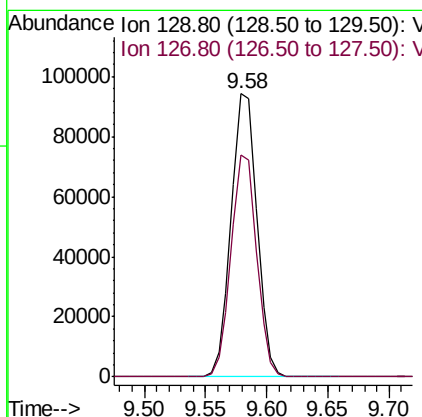
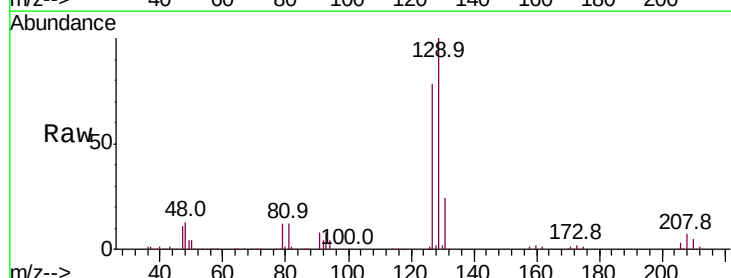
Manual Integrations
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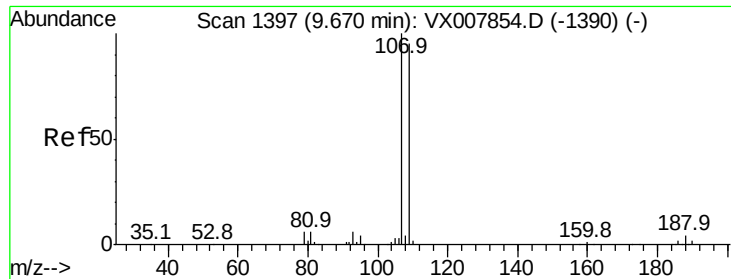
MMDadoda
3/11/2019 12:02:14 PM



#60
Dibromochloromethane
Concen: 50.641 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.01 min
Lab File: VX007935.D
Acq: 08 Mar 2019 17:08

Tgt Ion: 129 Resp: 137693
Ion Ratio Lower Upper
129 100
127 77.6 38.3 114.8





#61

1,2-Dibromoethane

Concen: 49.960 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX007935.D

Acq: 08 Mar 2019 17:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 137984

Ion Ratio Lower Upper

107 100

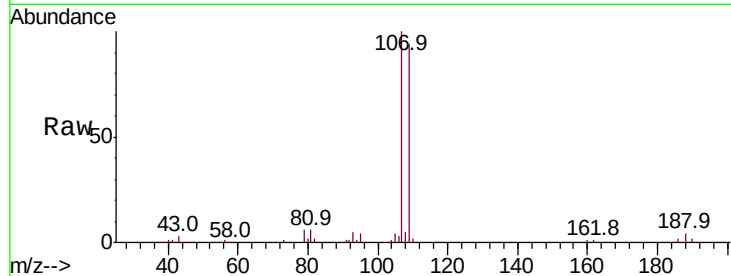
109 94.5 75.8 113.8

Manual Integrations

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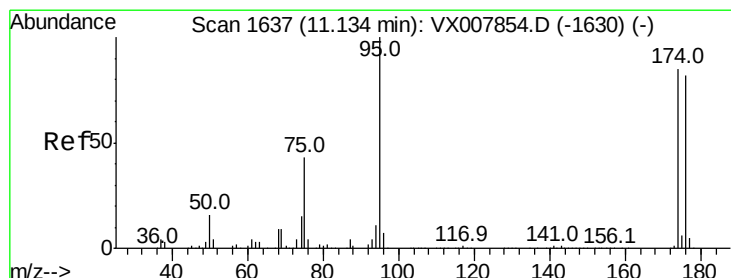
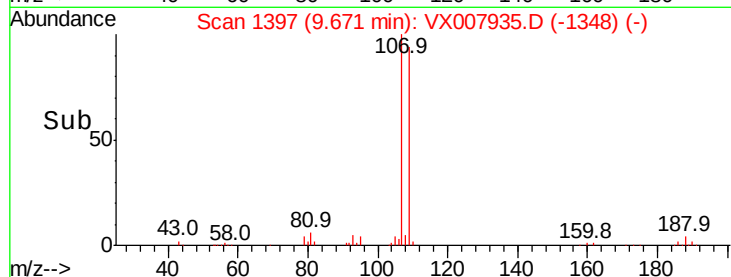
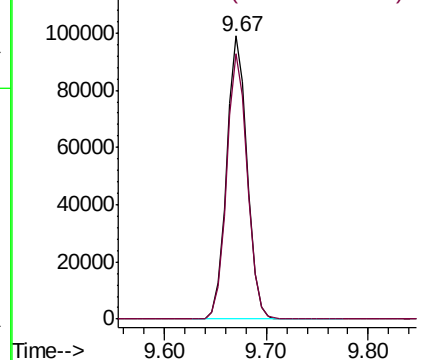
MMDadoda

3/11/2019 12:02:14 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 52.350 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007935.D

Acq: 08 Mar 2019 17:08

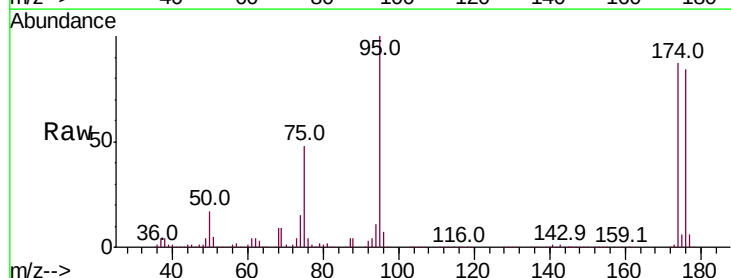
Tgt Ion: 95 Resp: 168359

Ion Ratio Lower Upper

95 100

174 91.7 0.0 182.8

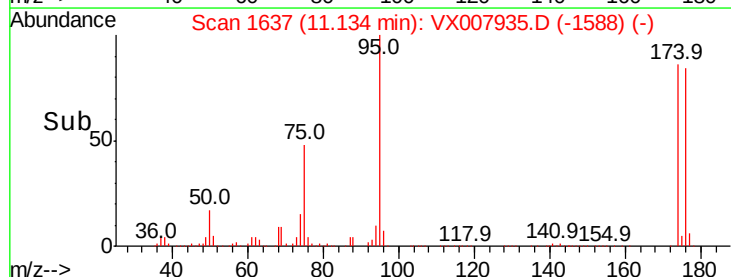
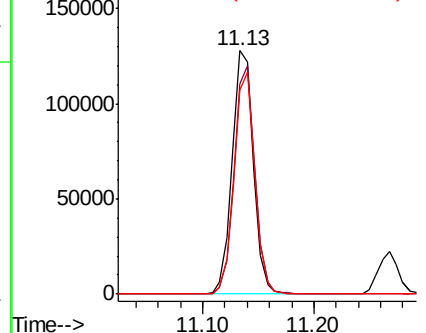
176 89.0 0.0 178.0

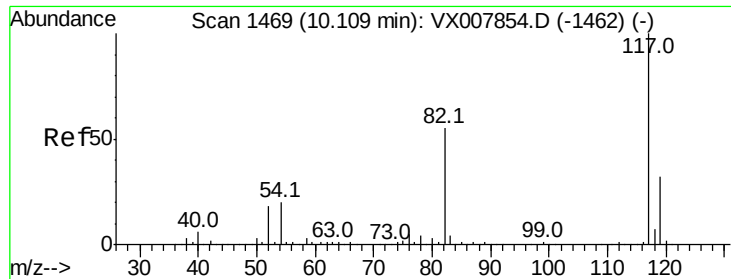


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





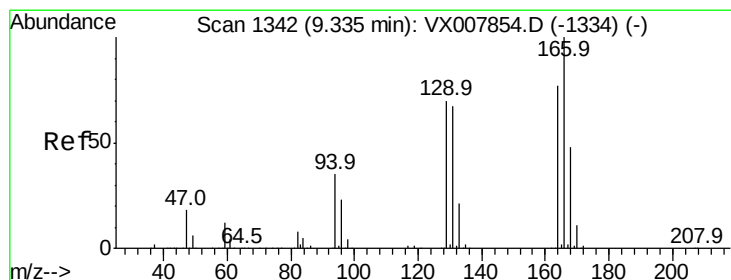
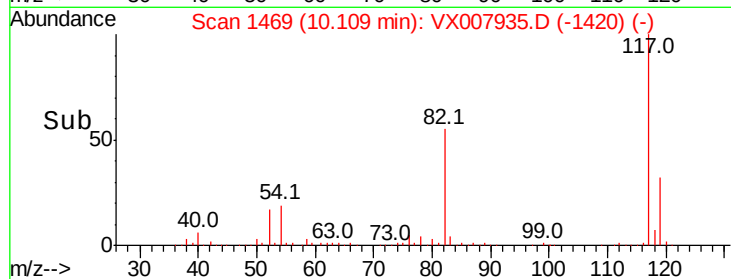
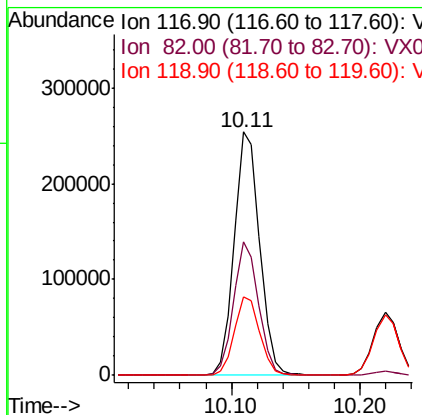
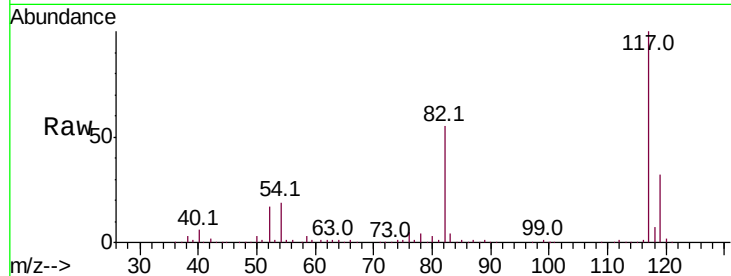
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007935.D
Acq: 08 Mar 2019 17:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100			
82	54.6	44.3	66.5	
119	32.5	25.3	37.9	

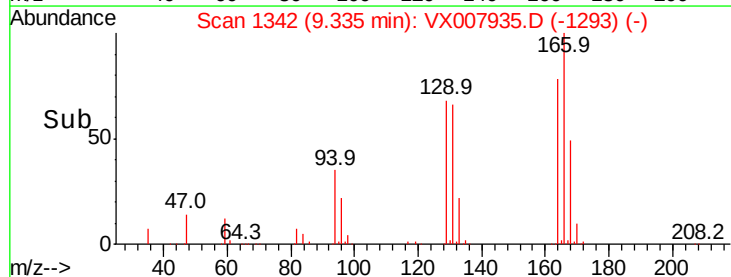
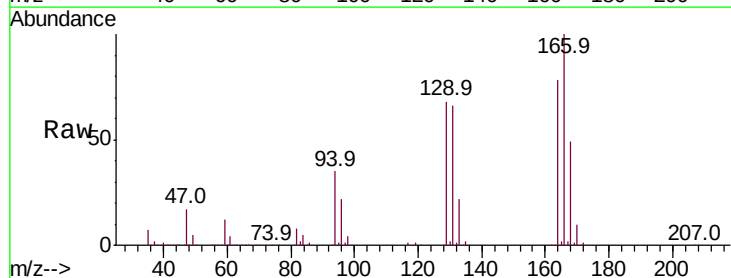
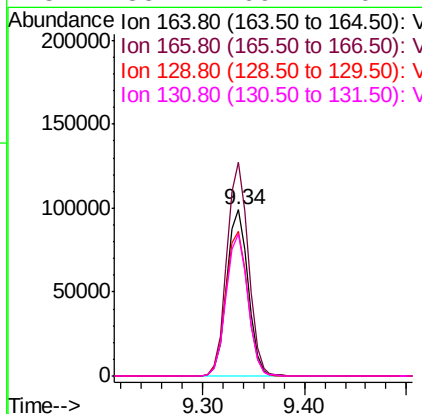
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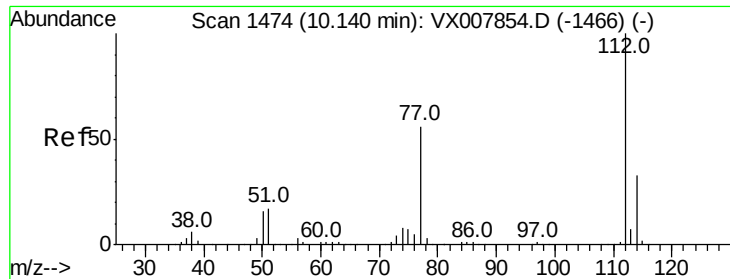
MMDadoda
3/11/2019 12:02:14 PM



#64
Tetrachloroethene
Concen: 49.178 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX007935.D
Acq: 08 Mar 2019 17:08

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
166	128.8	103.4	155.0	
129	87.2	72.2	108.4	
131	85.4	69.4	104.2	





#65

Chlorobenzene

Concen: 49.038 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VX007935.D

Acq: 08 Mar 2019 17:08

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion:112 Resp: 360148

Ion Ratio Lower Upper

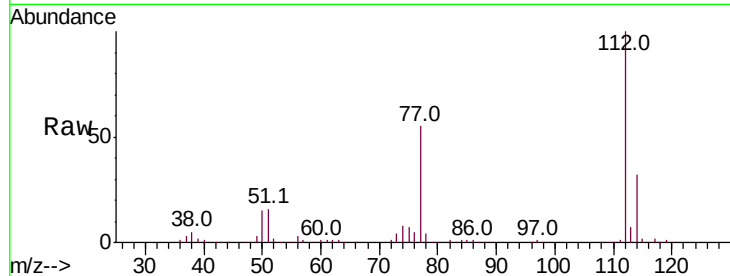
112 100

114 31.8 26.0 39.0

Manual Integrations
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MMDadoda

3/11/2019 12:02:14 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

300000

250000

200000

150000

100000

50000

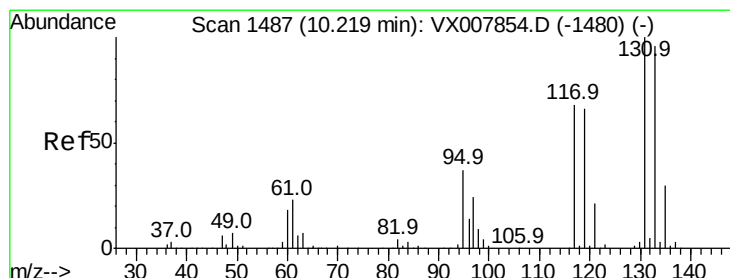
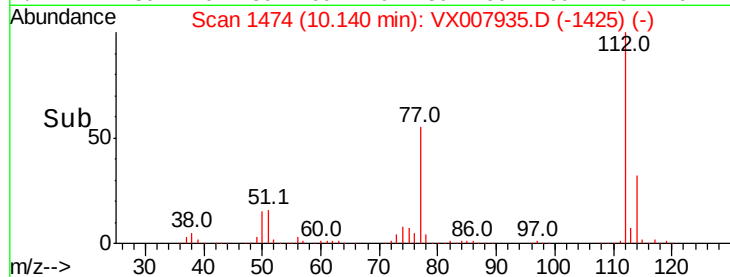
0

10.14

10.20

10.30

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 49.253 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX007935.D

Acq: 08 Mar 2019 17:08

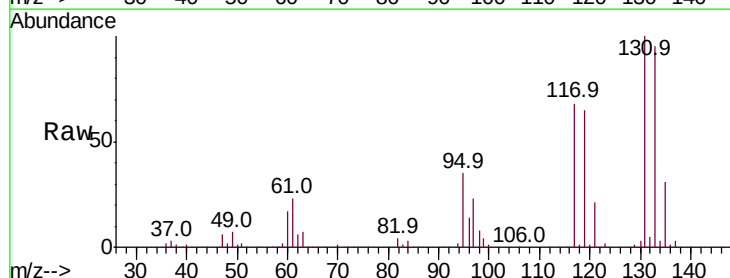
Tgt Ion:131 Resp: 129641

Ion Ratio Lower Upper

131 100

133 95.9 47.8 143.3

119 65.5 32.5 97.5



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

120000

100000

80000

60000

40000

20000

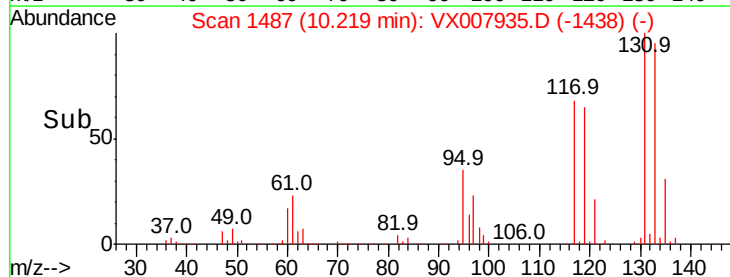
0

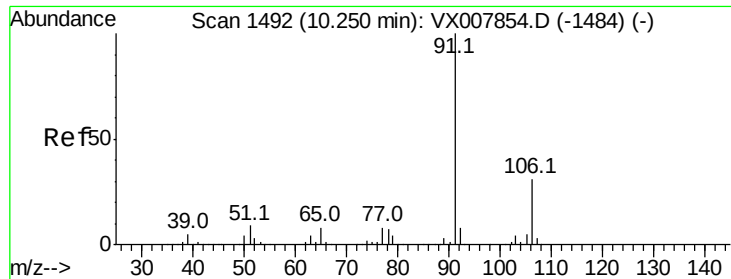
10.22

10.25

10.30

Time-->





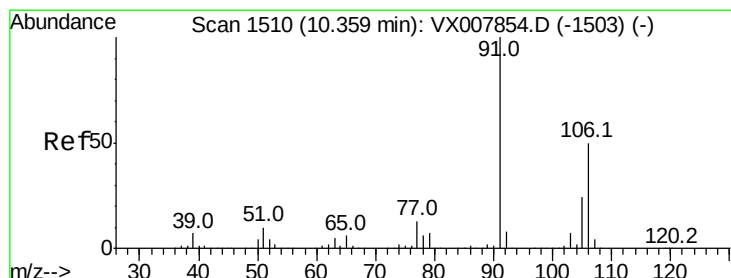
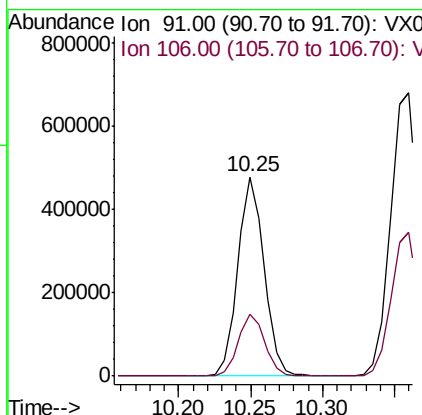
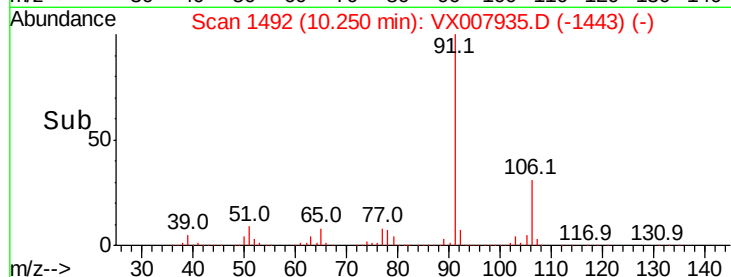
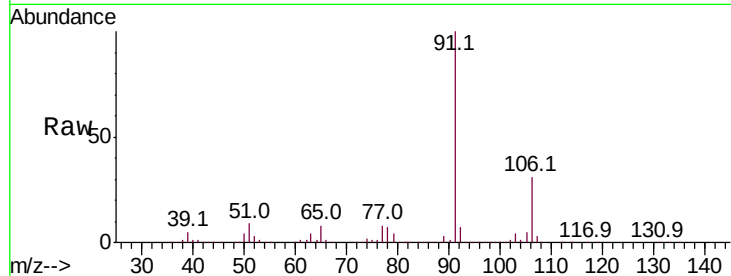
#67
Ethyl Benzene
Concen: 50.462 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX007935.D
Acq: 08 Mar 2019 17:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 610057
Ion Ratio Lower Upper
91 100
106 31.0 25.2 37.8

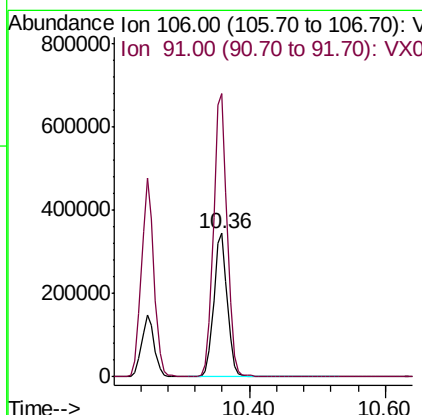
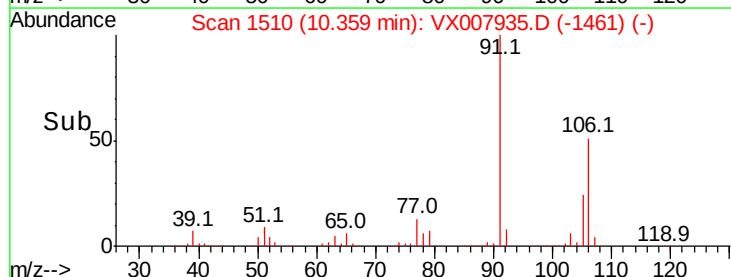
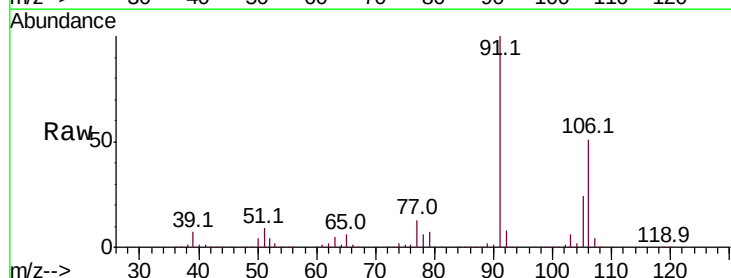
Manual Integrations
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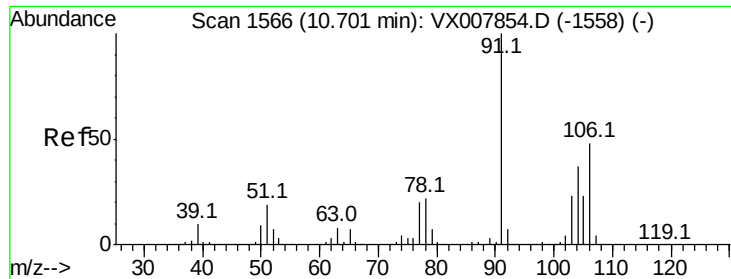
MMDadoda
3/11/2019 12:02:14 PM



#68
m/p-Xylenes
Concen: 101.155 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX007935.D
Acq: 08 Mar 2019 17:08

Tgt Ion: 106 Resp: 471365
Ion Ratio Lower Upper
106 100
91 200.7 159.8 239.6





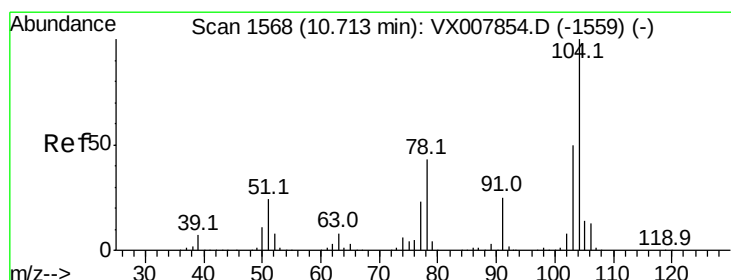
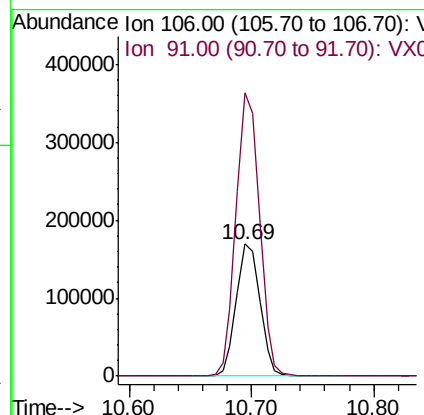
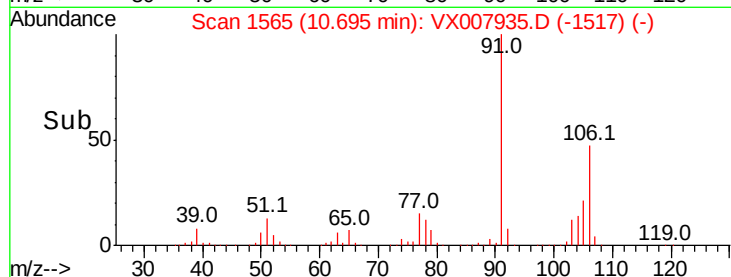
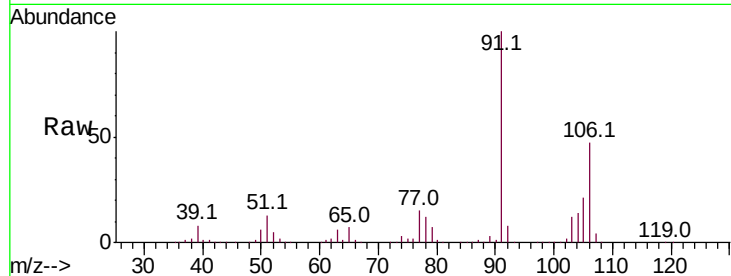
#69
o-Xylene
Concen: 50.712 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX007935.D
Acq: 08 Mar 2019 17:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 228145
Ion Ratio Lower Upper
106 100
91 212.0 106.3 318.9

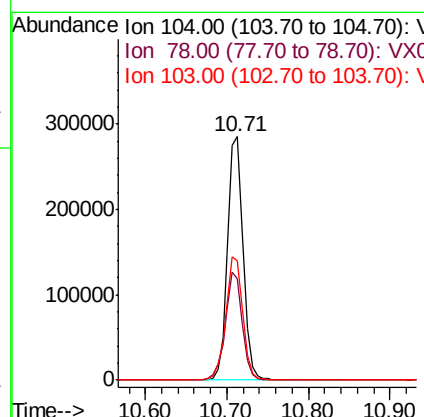
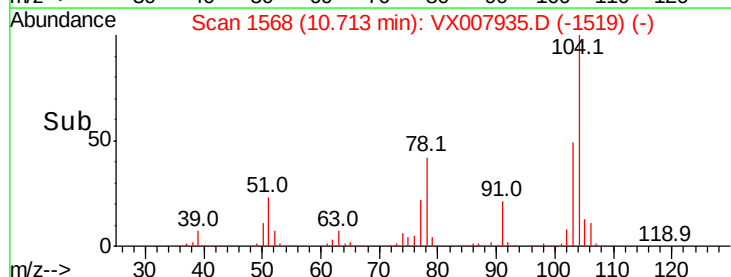
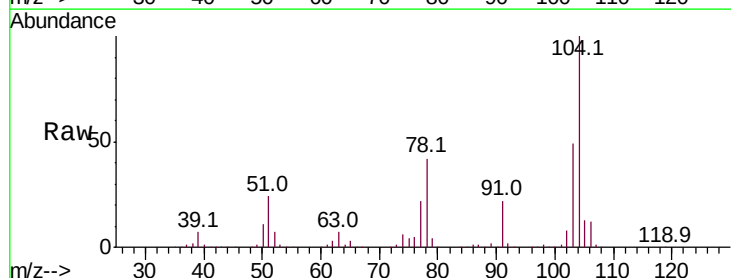
Manual Integrations
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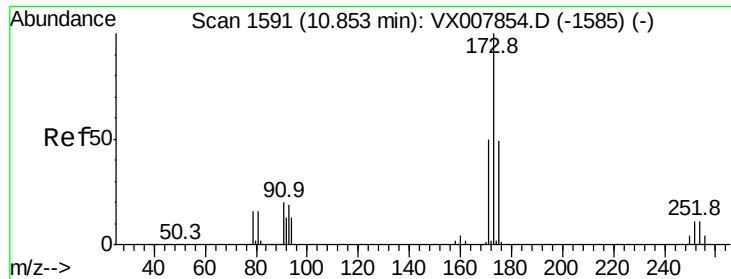
MMDadoda
3/11/2019 12:02:14 PM



#70
Styrene
Concen: 51.430 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX007935.D
Acq: 08 Mar 2019 17:08

Tgt Ion:104 Resp: 378617
Ion Ratio Lower Upper
104 100
78 48.1 38.5 57.7
103 55.1 44.1 66.1





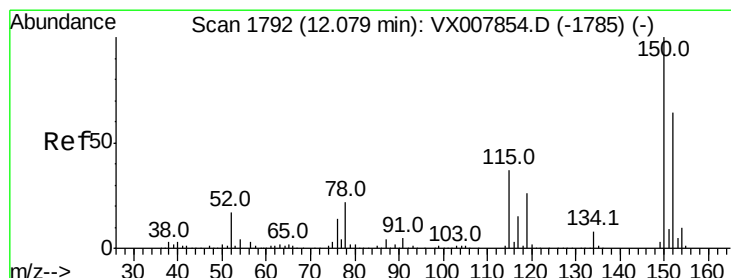
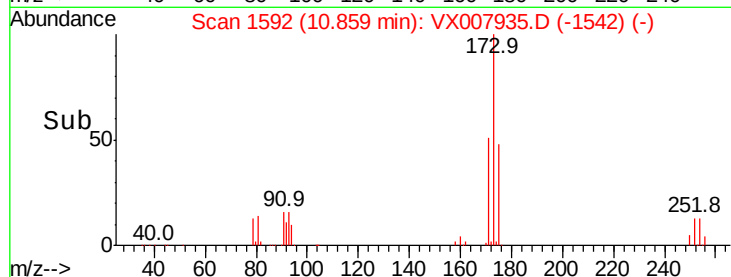
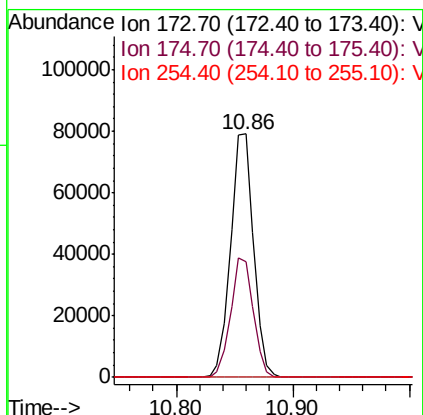
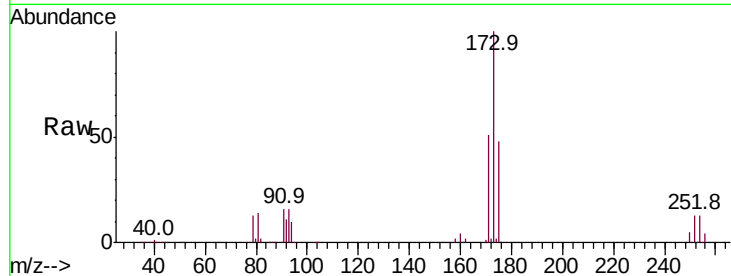
#71
Bromoform
Concen: 48.201 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. 0.01 min
Lab File: VX007935.D
Acq: 08 Mar 2019 17:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:173 Resp: 108956
Ion Ratio Lower Upper
173 100
175 48.5 24.3 72.9
254 0.2 0.1 0.1#

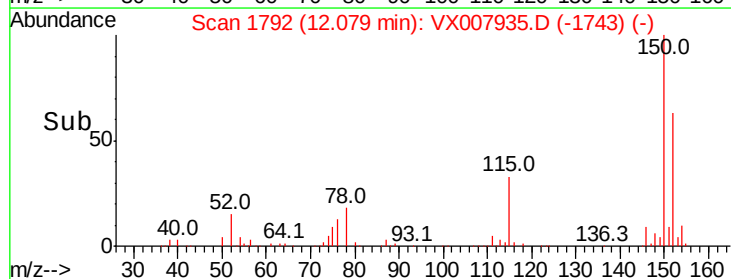
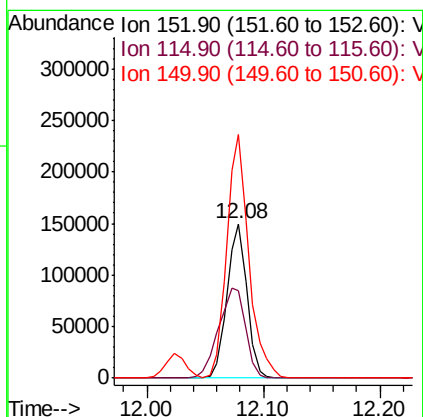
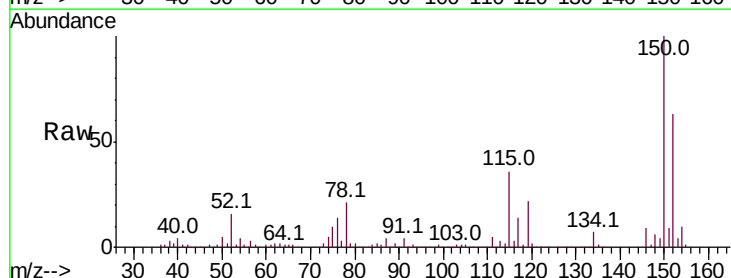
Manual Integrations
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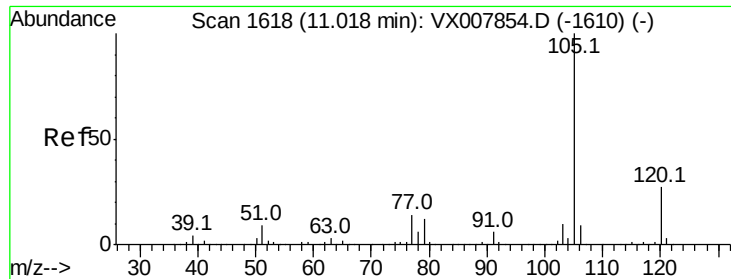
MMDadoda
3/11/2019 12:02:14 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX007935.D
Acq: 08 Mar 2019 17:08

Tgt Ion:152 Resp: 177594
Ion Ratio Lower Upper
152 100
115 77.6 38.6 115.7
150 174.2 0.0 348.4





#73

Isopropylbenzene

Concen: 51.351 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX007935.D

Acq: 08 Mar 2019 17:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 616774

Ion Ratio Lower Upper

105 100

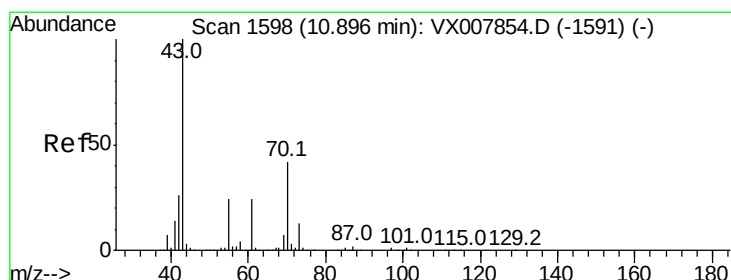
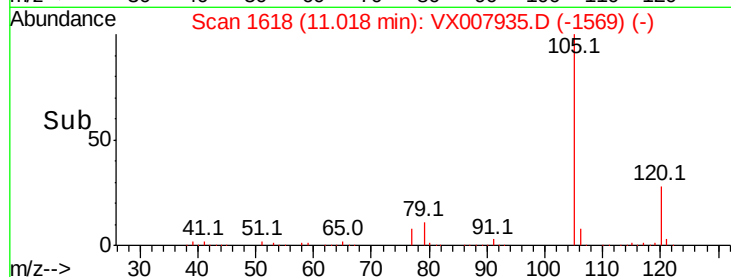
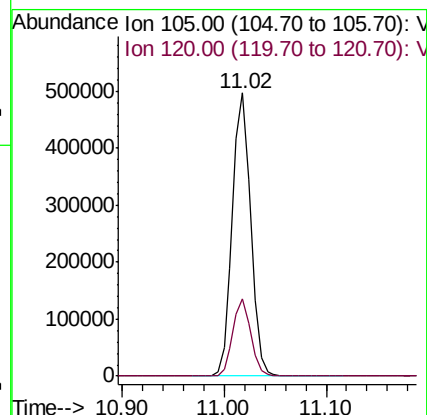
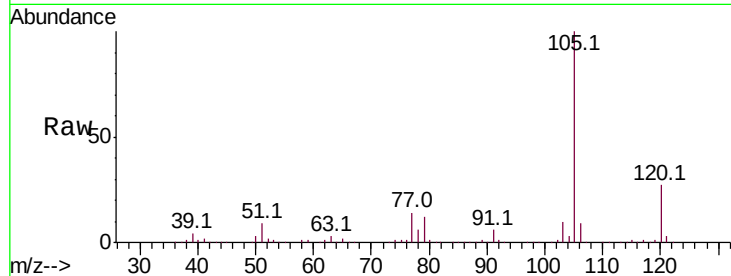
120 26.7 13.4 40.1

Manual Integrations

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MMDadoda

3/11/2019 12:02:14 PM



#74

N-ethyl acetate

Concen: 47.897 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX007935.D

Acq: 08 Mar 2019 17:08

Tgt Ion: 43 Resp: 262632

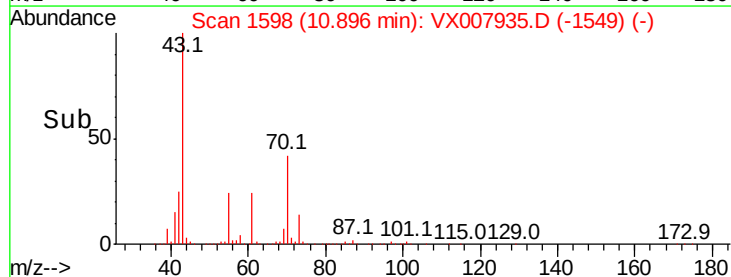
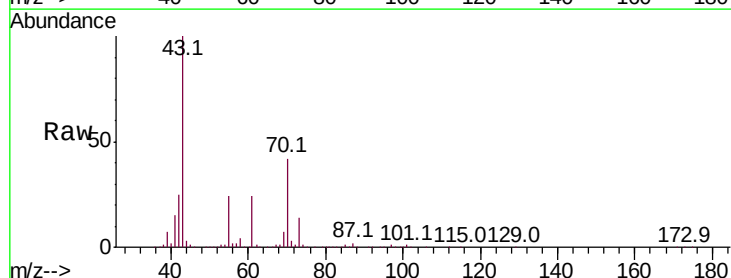
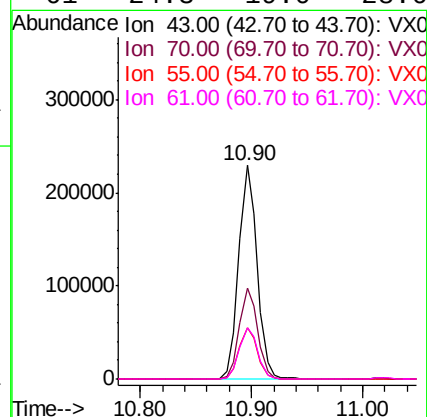
Ion Ratio Lower Upper

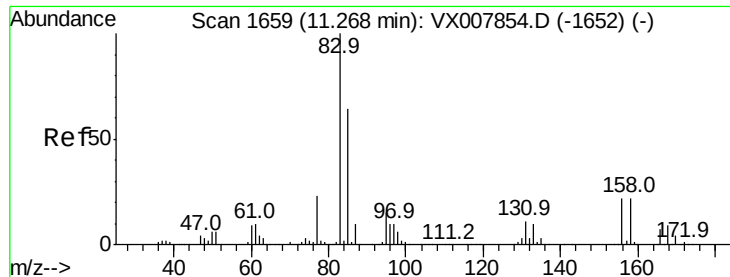
43 100

70 42.4 33.5 50.3

55 24.4 19.2 28.8

61 24.3 19.0 28.6





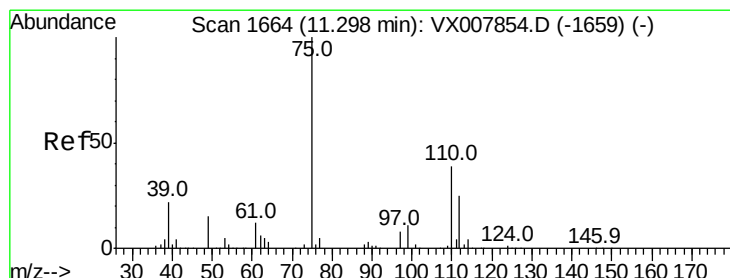
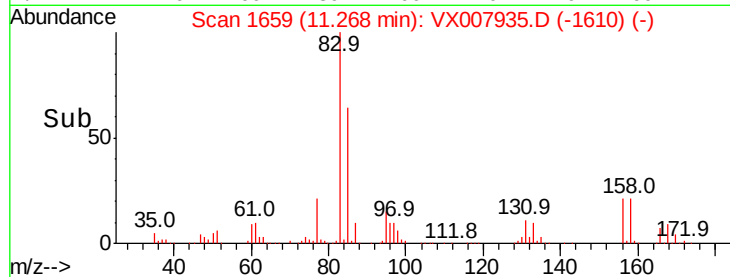
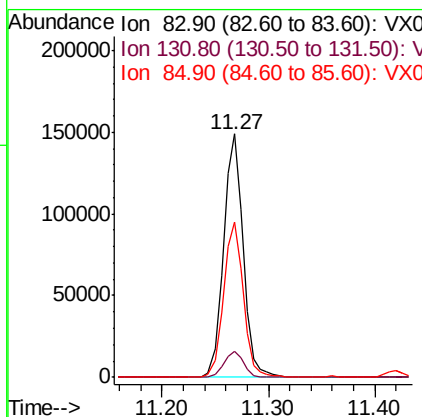
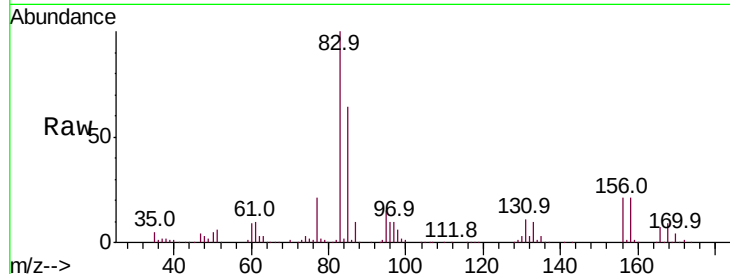
#75
 1,1,2,2-Tetrachloroethane
 Concen: 46.181 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. 0.00 min
 Lab File: VX007935.D
 Acq: 08 Mar 2019 17:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	10.7	5.4	16.2	
85	64.1	32.3	96.8	

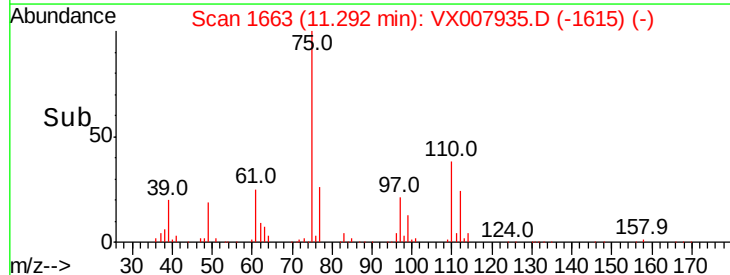
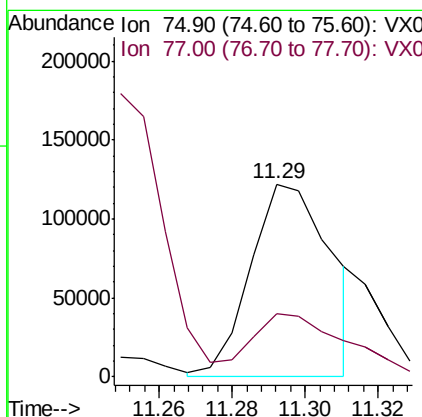
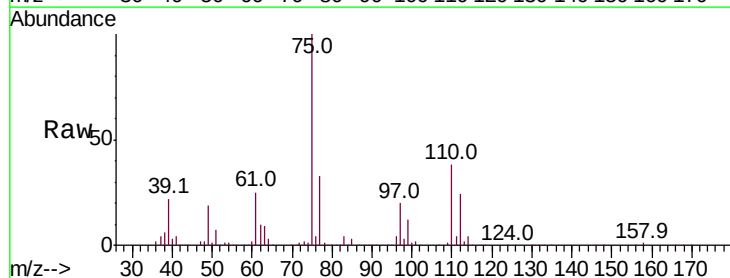
Manual Integrations
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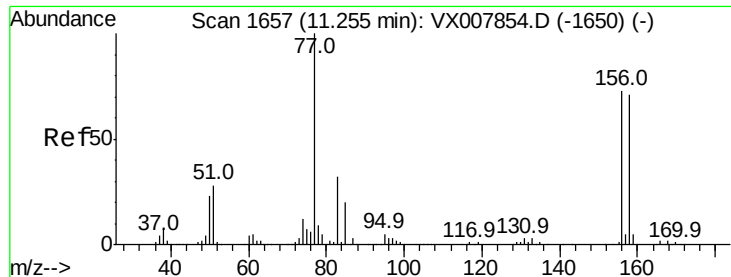
MMDadoda
 3/11/2019 12:02:14 PM



#76
 1,2,3-Trichloropropane
 Concen: 49.922 ug/l m
 RT: 11.29 min Scan# 1663
 Delta R.T. -0.01 min
 Lab File: VX007935.D
 Acq: 08 Mar 2019 17:08

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
77	39.3	18.9	56.7	





#77

Bromobenzene

Concen: 48.838 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX007935.D

Acq: 08 Mar 2019 17:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 160823

Ion Ratio Lower Upper

156 100

77 142.9

158 97.9

72.0 215.9

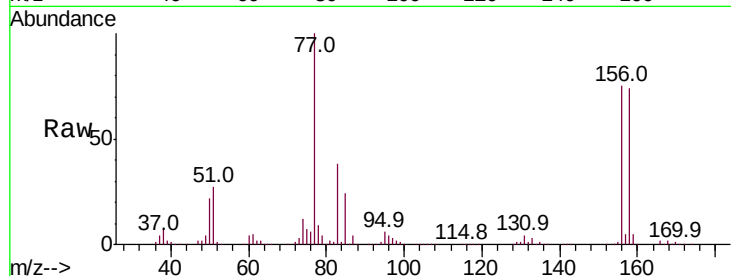
48.6 145.9

Manual Integrations

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MMDadoda

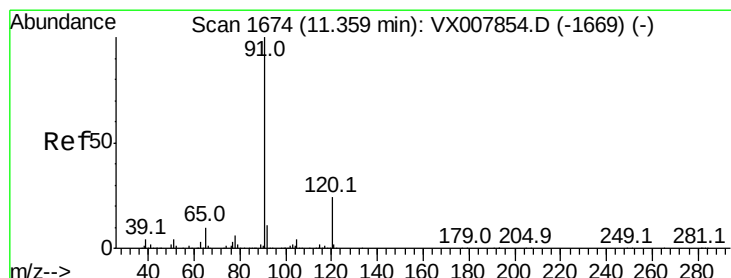
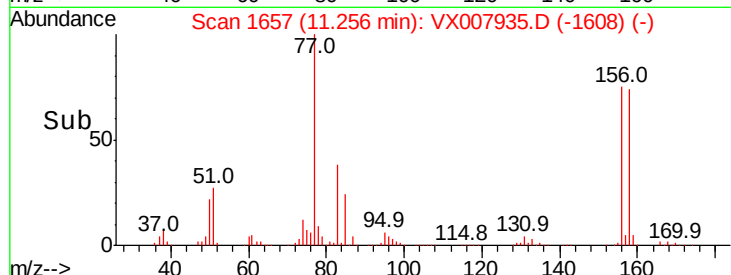
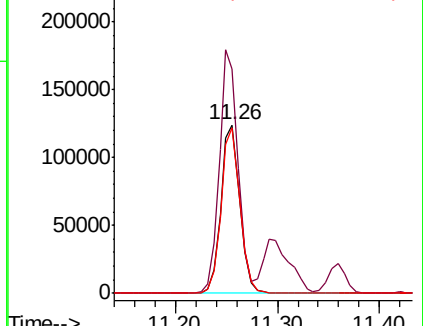
3/11/2019 12:02:14 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.795 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX007935.D

Acq: 08 Mar 2019 17:08

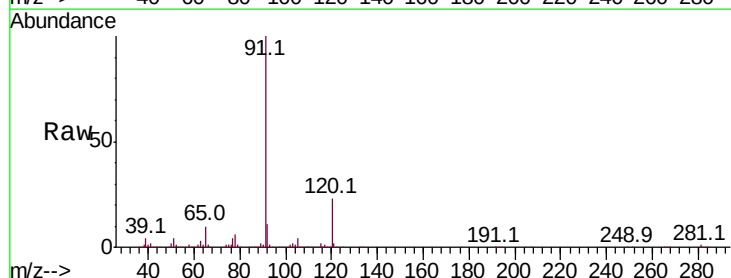
Tgt Ion: 91 Resp: 690154

Ion Ratio Lower Upper

91 100

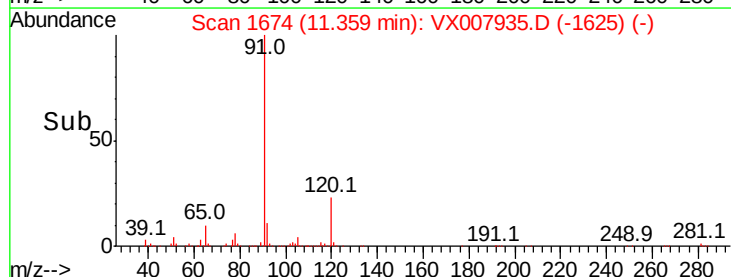
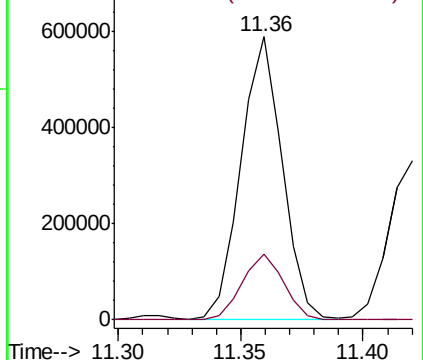
120 23.9

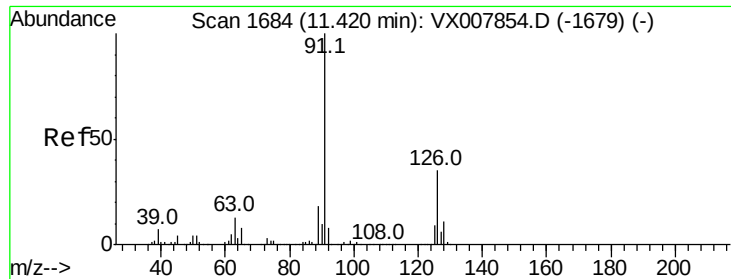
12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.052 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX007935.D

Acq: 08 Mar 2019 17:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 407778

Ion Ratio Lower Upper

91 100

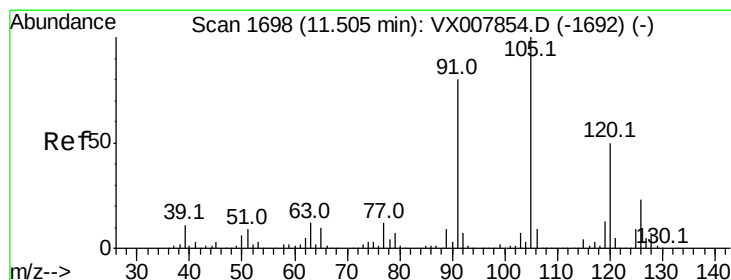
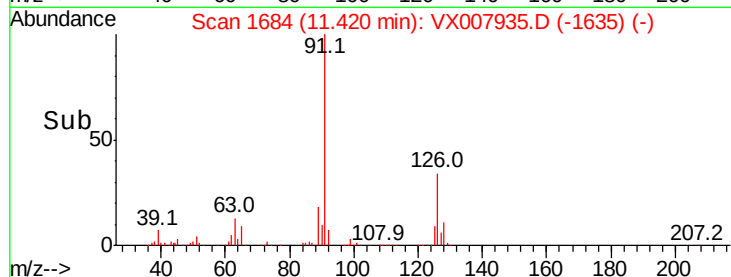
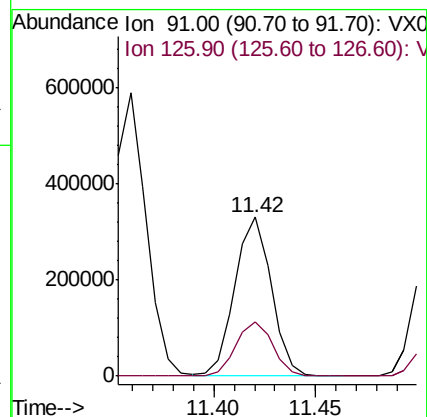
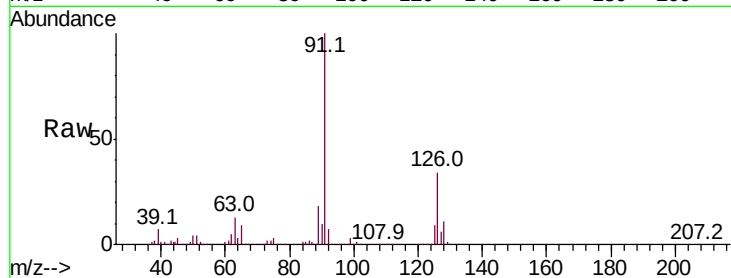
126 35.0 17.5 52.6

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 51.998 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX007935.D

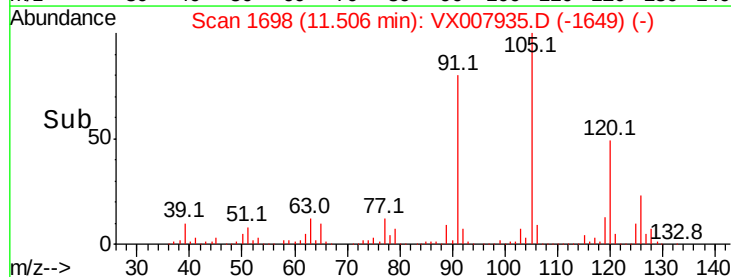
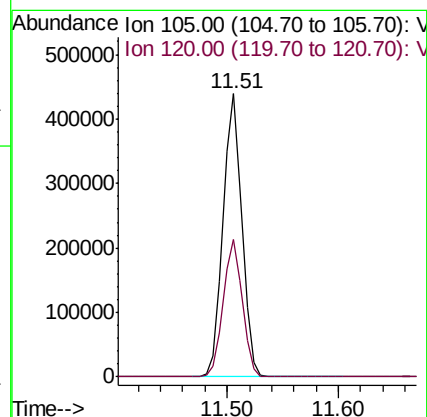
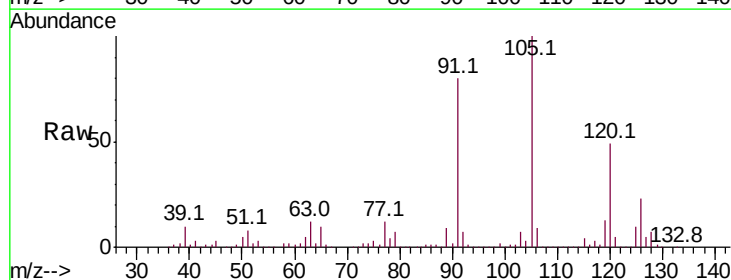
Acq: 08 Mar 2019 17:08

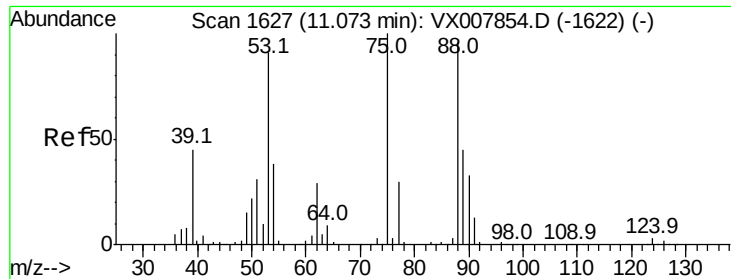
Tgt Ion: 105 Resp: 514037

Ion Ratio Lower Upper

105 100

120 49.2 24.9 74.6





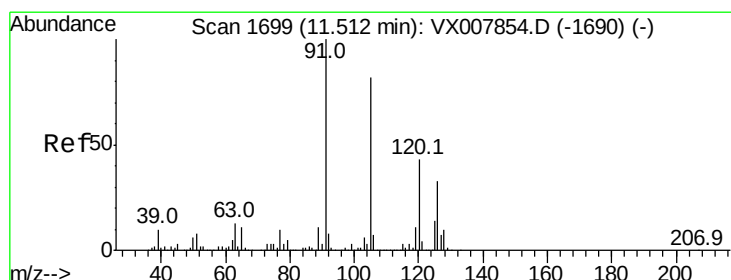
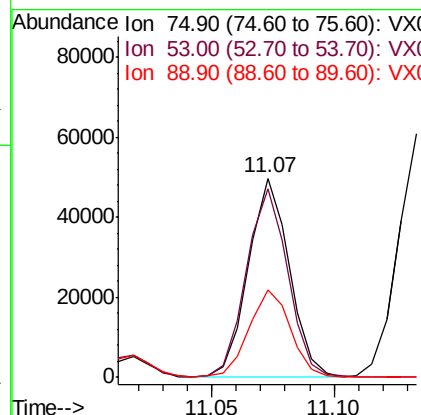
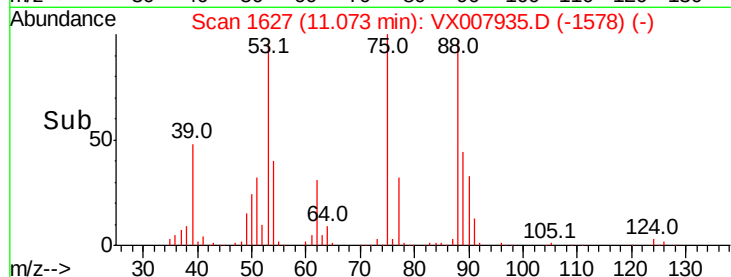
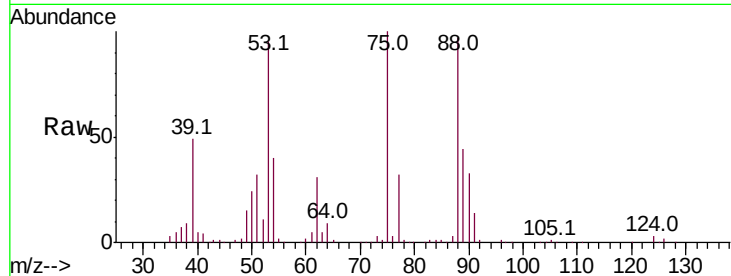
#81
trans-1,4-Dichloro-2-butene
Concen: 49.674 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX007935.D
Acq: 08 Mar 2019 17:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 57913
Ion Ratio Lower Upper
75 100
53 97.1 76.1 114.1
89 44.9 36.3 54.5

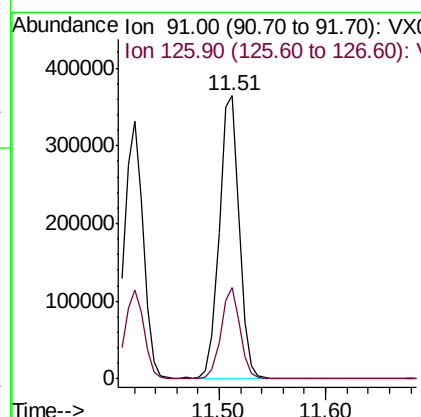
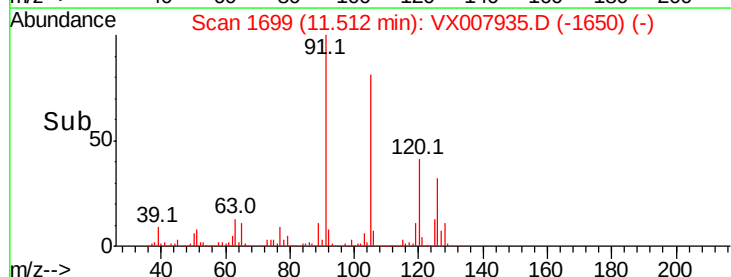
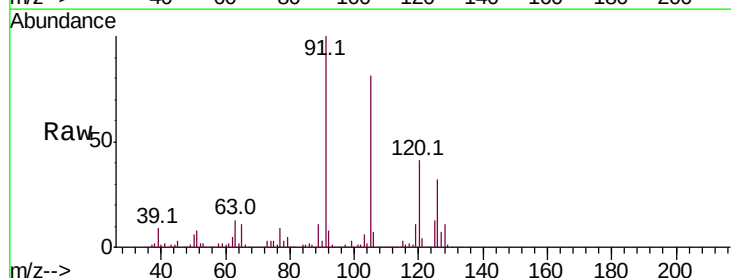
Manual Integrations
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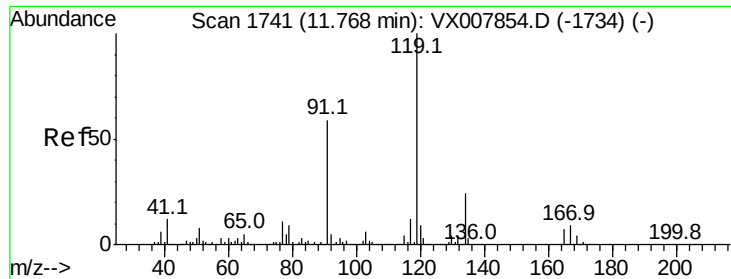
MMDadoda
3/11/2019 12:02:14 PM



#82
4-Chlorotoluene
Concen: 50.305 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX007935.D
Acq: 08 Mar 2019 17:08

Tgt Ion: 91 Resp: 469675
Ion Ratio Lower Upper
91 100
126 31.0 15.6 46.8





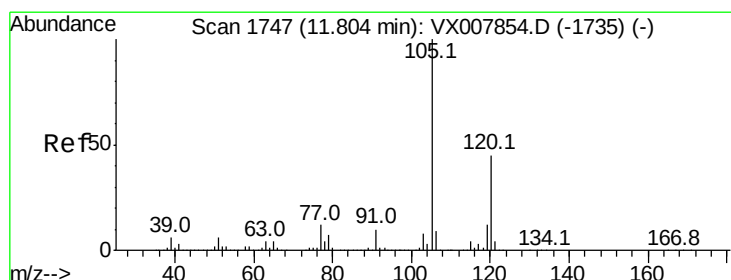
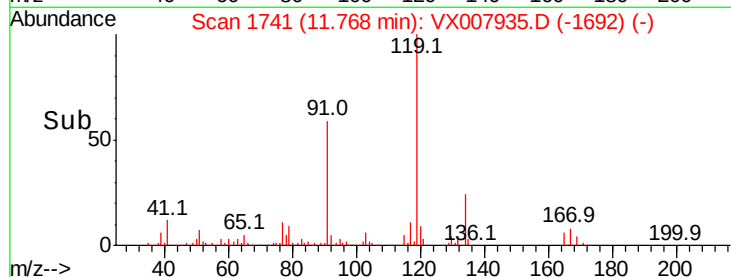
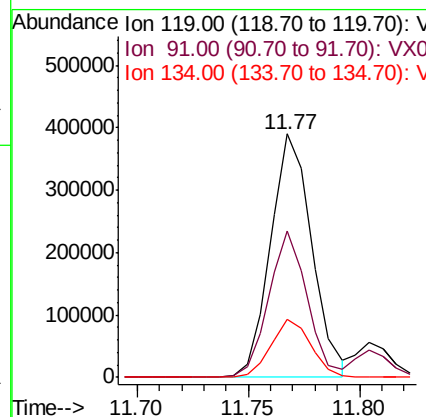
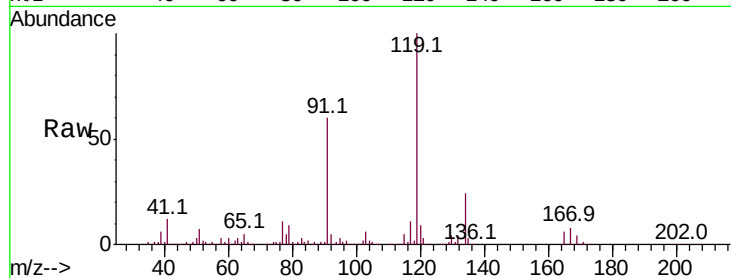
#83
tert-Butylbenzene
Concen: 50.543 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX007935.D
Acq: 08 Mar 2019 17:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	503297		
91	55.9		27.1	81.3
134	23.1		11.4	34.1

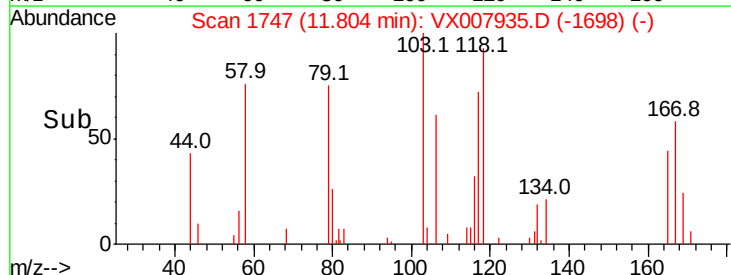
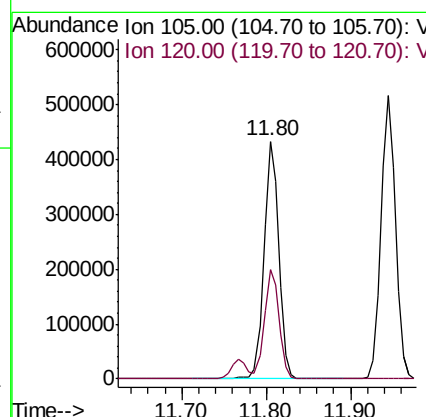
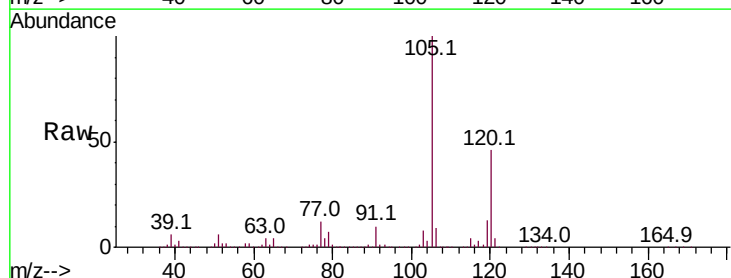
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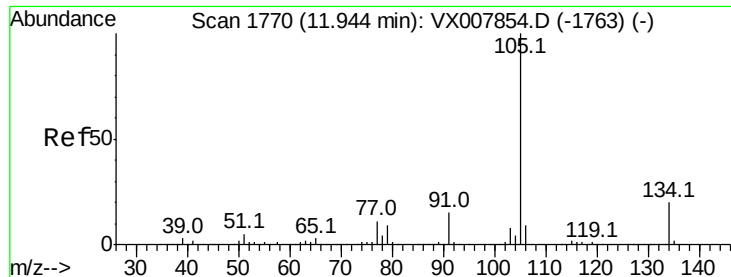
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3/11/2019 12:02:14 PM



#84
1,2,4-Trimethylbenzene
Concen: 51.233 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX007935.D
Acq: 08 Mar 2019 17:08

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	519197		
120	45.3		22.6	67.7





#85

sec-Butylbenzene

Concen: 52.750 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX007935.D

Acq: 08 Mar 2019 17:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 618639

Ion Ratio Lower Upper

105 100

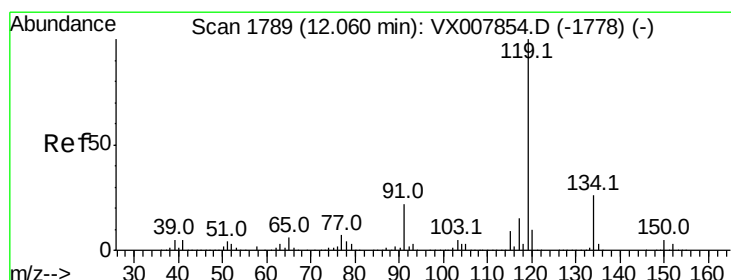
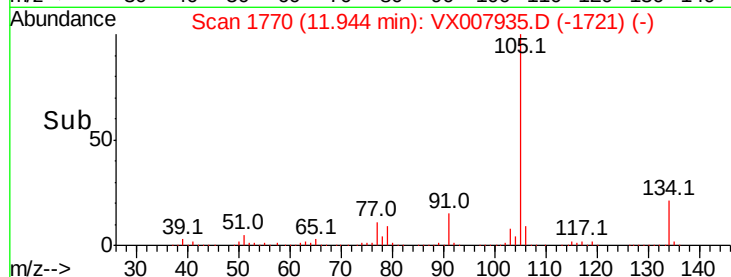
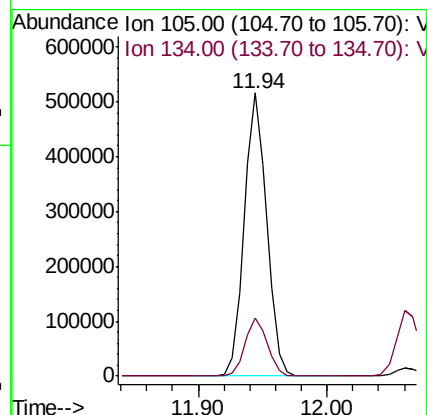
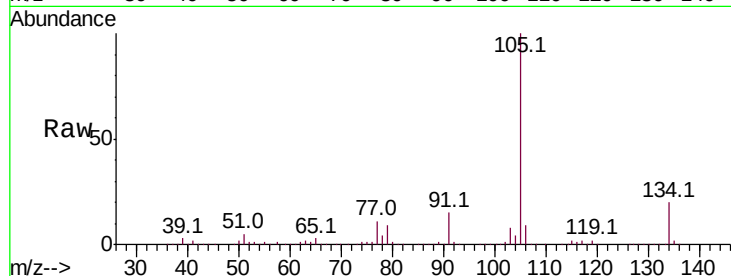
134 20.4 10.4 31.2

Manual Integrations

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3/11/2019 12:02:14 PM



#86

p-Isopropyltoluene

Concen: 52.861 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX007935.D

Acq: 08 Mar 2019 17:08

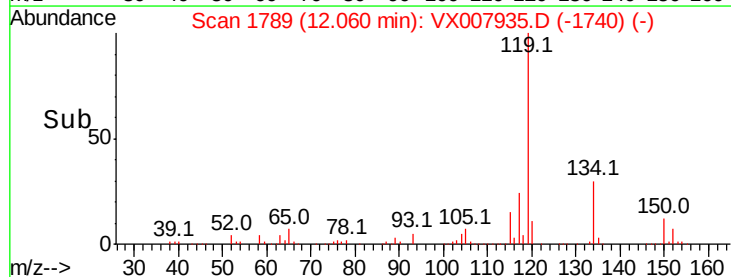
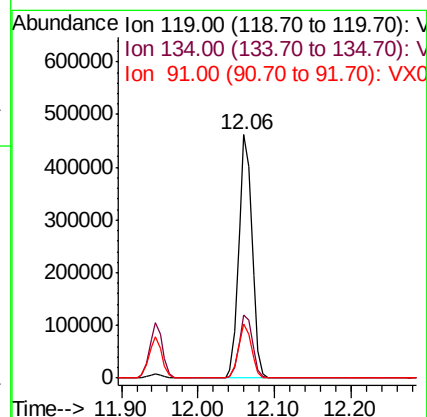
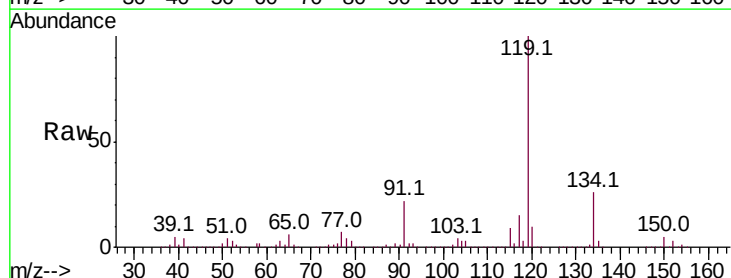
Tgt Ion:119 Resp: 555204

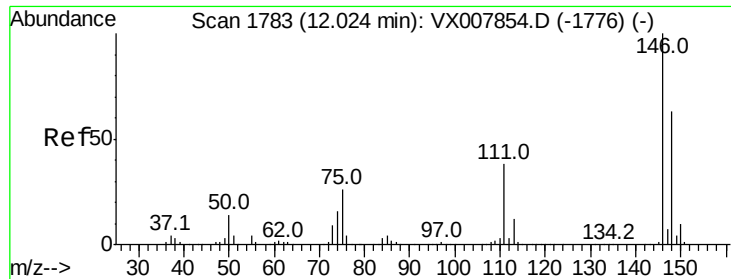
Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.9

91 21.8 10.9 32.7





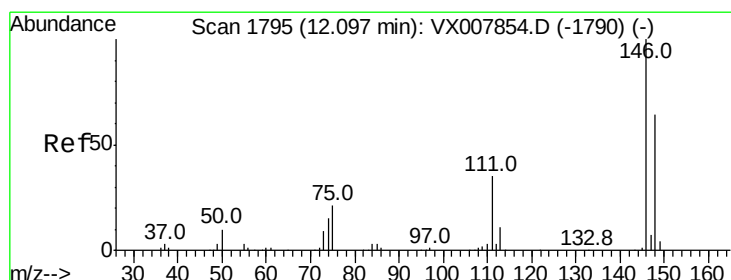
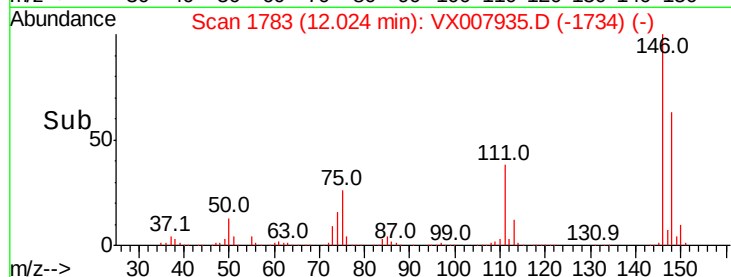
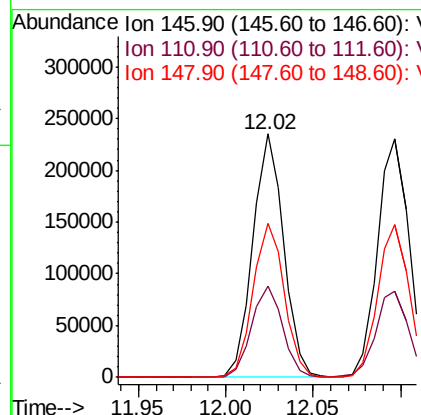
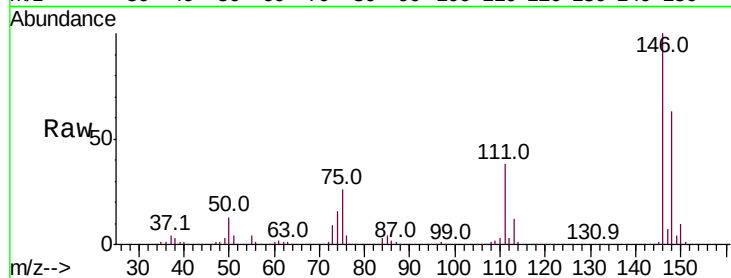
#87
 1,3-Dichlorobenzene
 Concen: 49.474 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX007935.D
 Acq: 08 Mar 2019 17:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.9	56.7
148	64.3	31.7	95.1

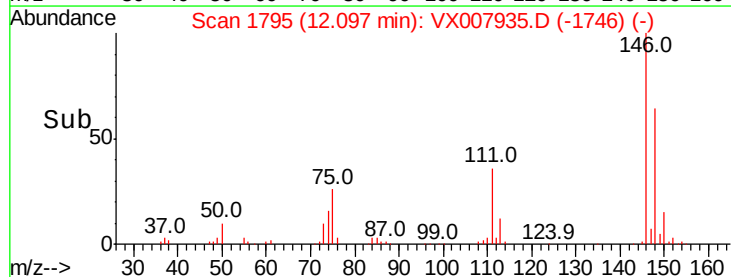
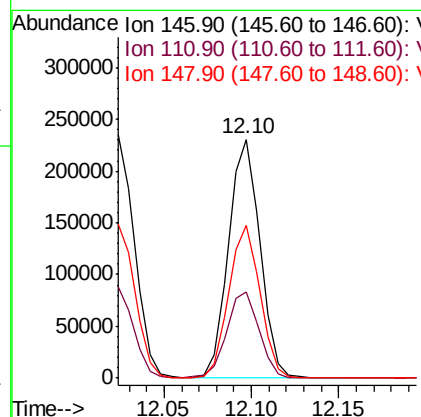
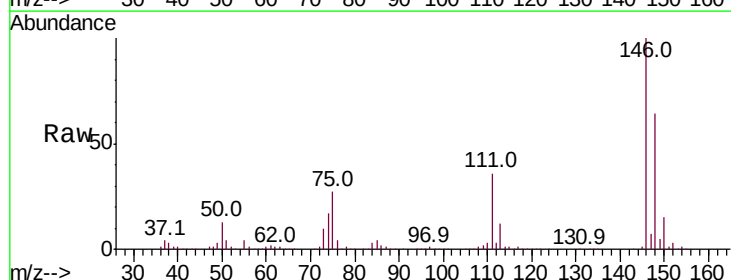
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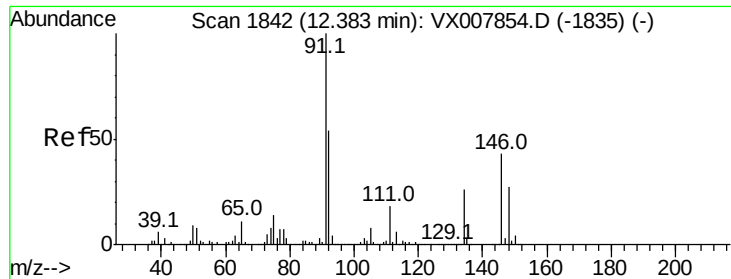
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 3/11/2019 12:02:14 PM



#88
 1,4-Dichlorobenzene
 Concen: 48.276 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX007935.D
 Acq: 08 Mar 2019 17:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.4	55.0
148	64.0	32.2	96.6





#89

n-Butylbenzene

Concen: 53.843 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VX007935.D

Acq: 08 Mar 2019 17:08

Instrument :

MSVOA_X

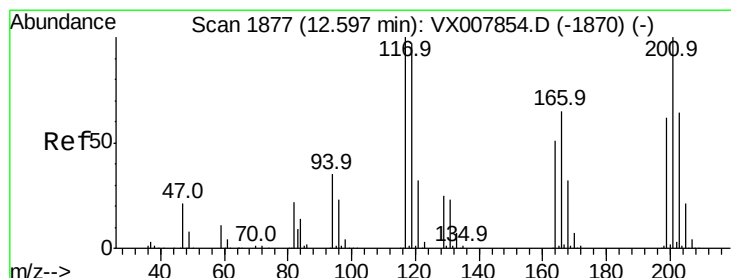
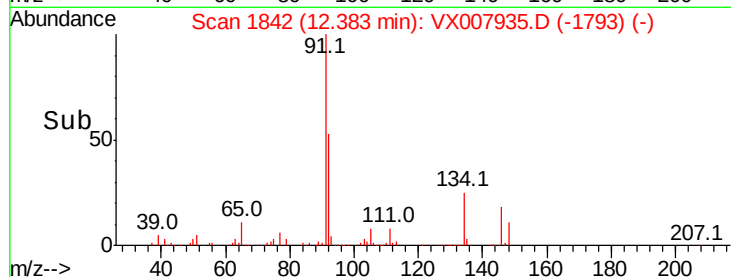
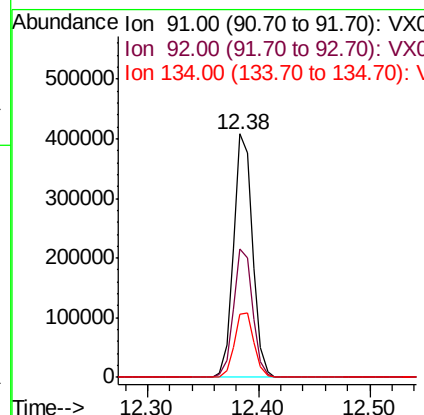
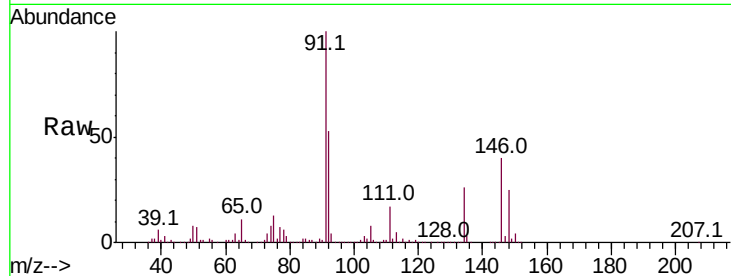
ClientSampled :

VSTDCCC050

Tot Ion:	91	Resp:	479111
Ion Ratio	Lower	Upper	
91	100		
92	52.9	27.0	80.8
134	27.3	13.7	41.0

Manual Integrations
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#90

Hexachloroethane

Concen: 51.206 ug/l

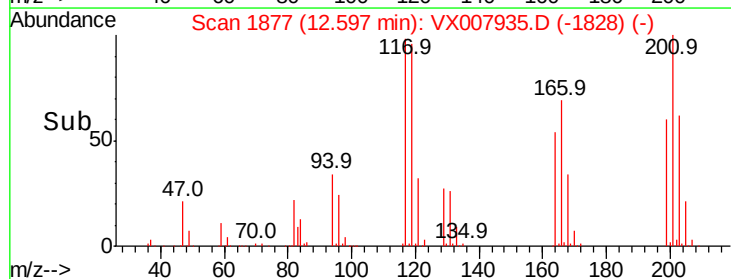
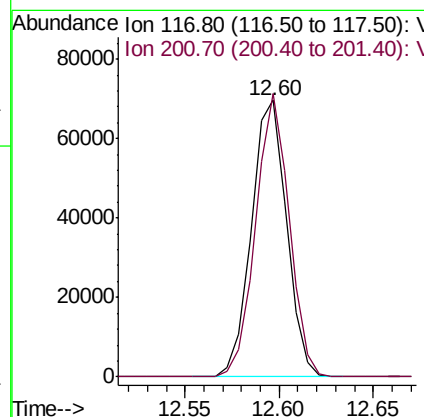
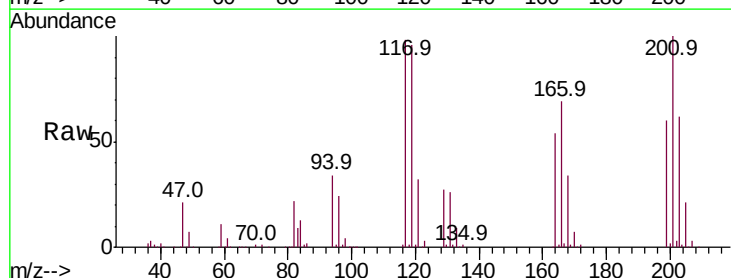
RT: 12.60 min Scan# 1877

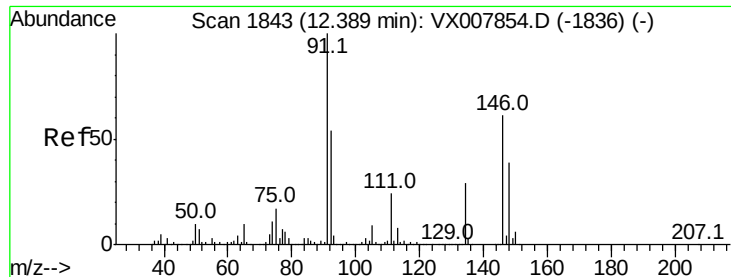
Delta R.T. 0.00 min

Lab File: VX007935.D

Acq: 08 Mar 2019 17:08

Tgt Ion:	117	Resp:	89921
Ion Ratio	Lower	Upper	
117	100		
201	97.6	48.9	146.7





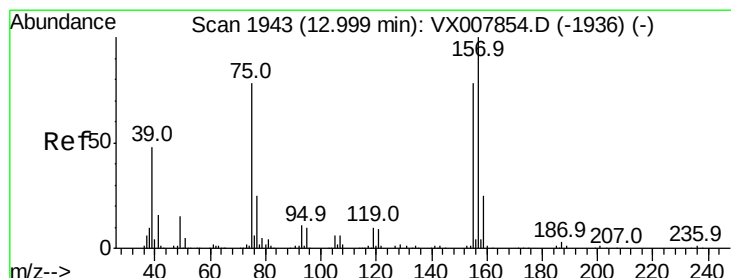
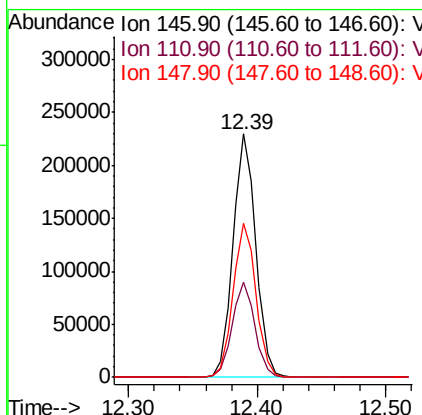
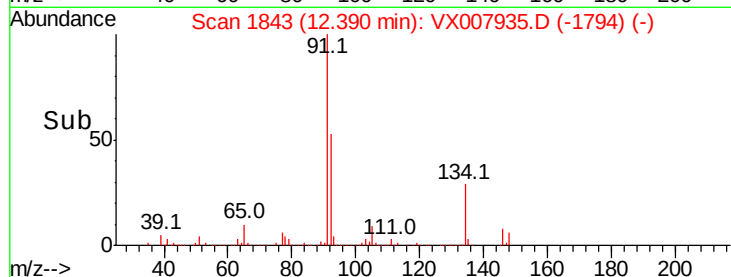
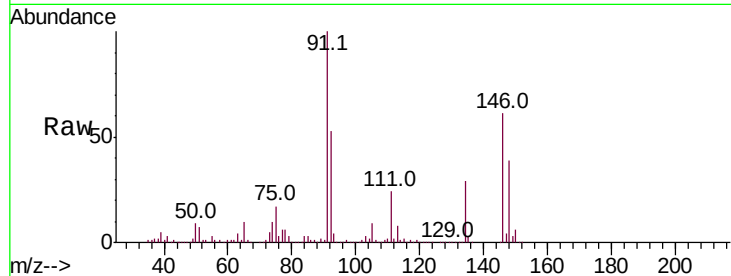
#91
 1,2-Dichlorobenzene
 Concen: 48.897 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX007935.D
 Acq: 08 Mar 2019 17:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.6	58.8
148	63.6	31.9	95.5

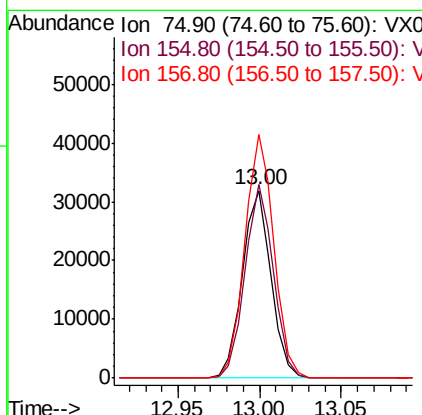
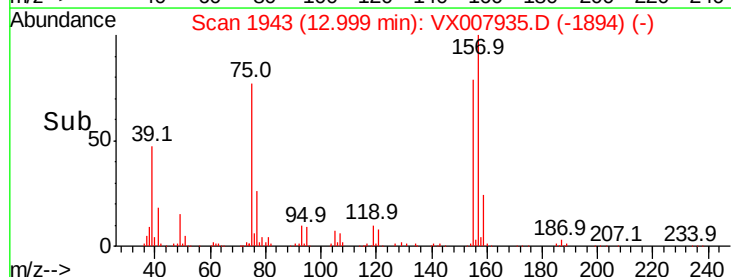
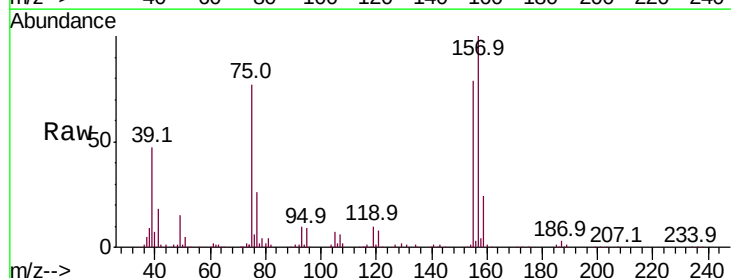
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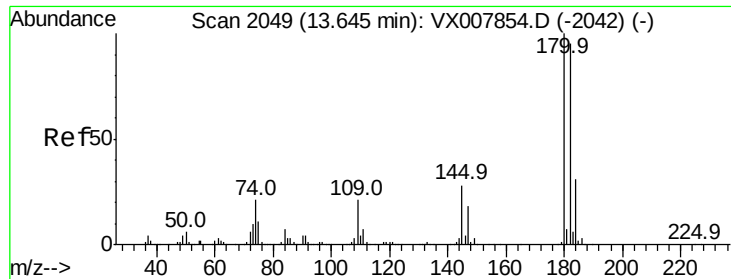
MMDadoda
 3/11/2019 12:02:14 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.291 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX007935.D
 Acq: 08 Mar 2019 17:08

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.7	49.7	149.1
157	130.8	63.8	191.4





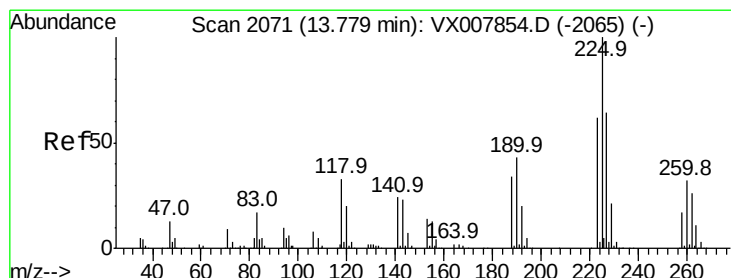
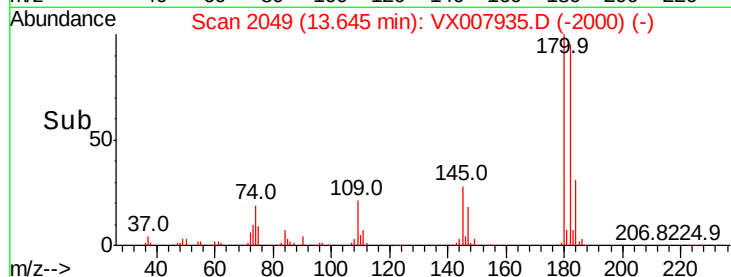
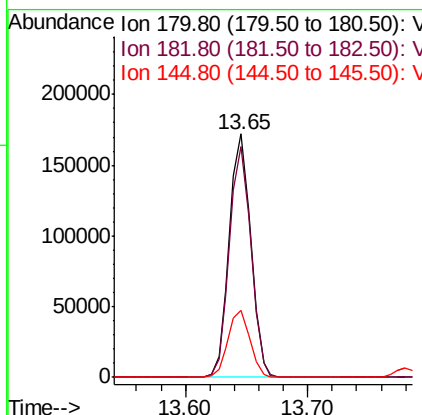
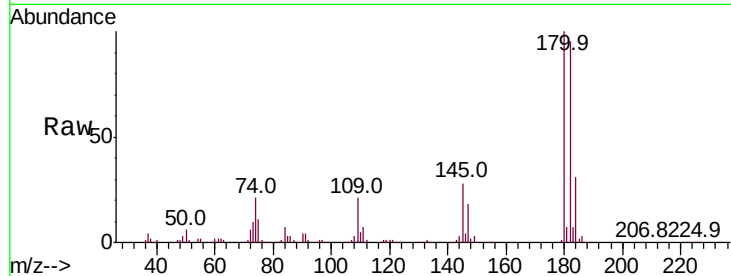
#93
1,2,4-Trichlorobenzene
Concen: 51.408 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. 0.00 min
Lab File: VX007935.D
Acq: 08 Mar 2019 17:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	209006		
182	94.8	47.9	143.7	
145	28.1	14.1	42.4	

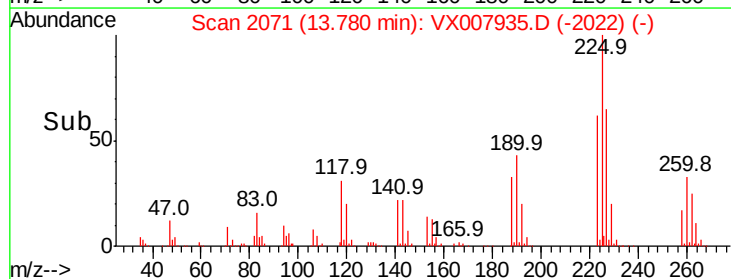
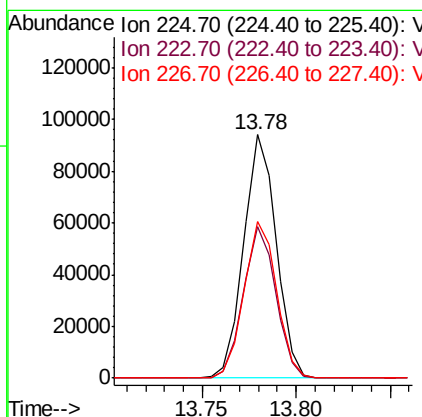
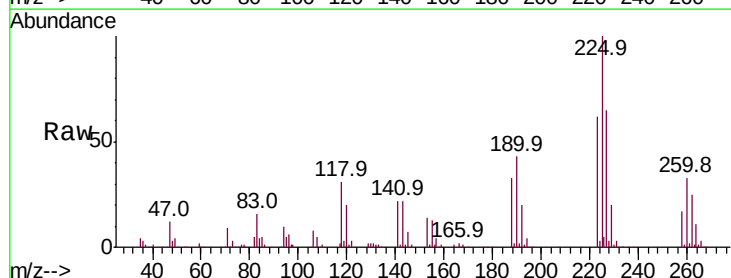
Manual Integrations
APPROVED

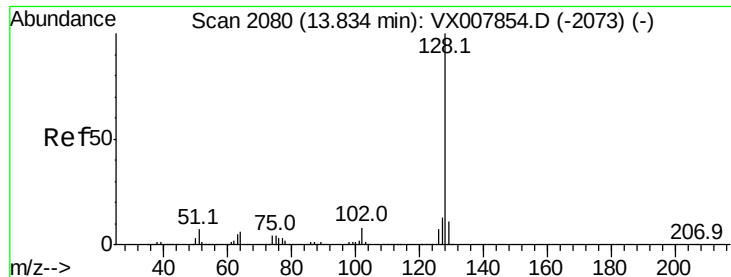
MMDadoda
3/11/2019 12:02:14 PM



#94
Hexachlorobutadiene
Concen: 53.162 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. 0.00 min
Lab File: VX007935.D
Acq: 08 Mar 2019 17:08

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	113003		
223	62.0	31.1	93.2	
227	64.3	32.0	96.0	





#95

Naphthalene

Concen: 50.437 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX007935.D

Acq: 08 Mar 2019 17:08

Instrument :

MSVOA_X

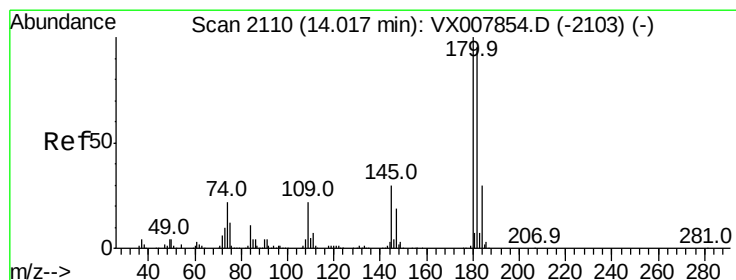
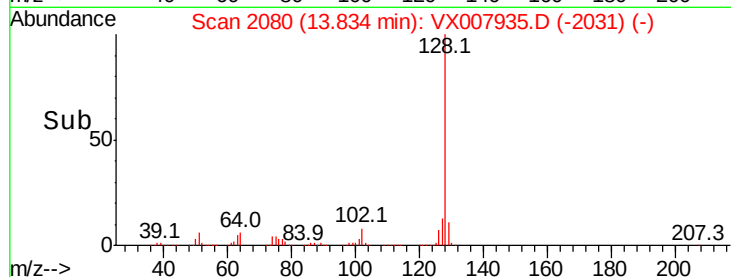
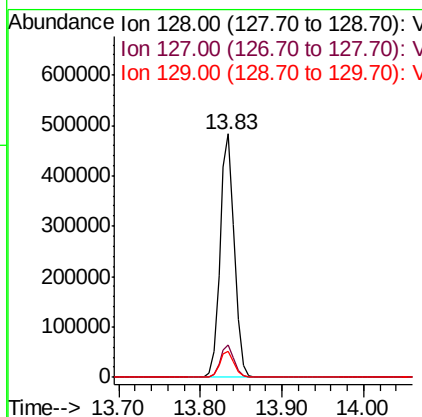
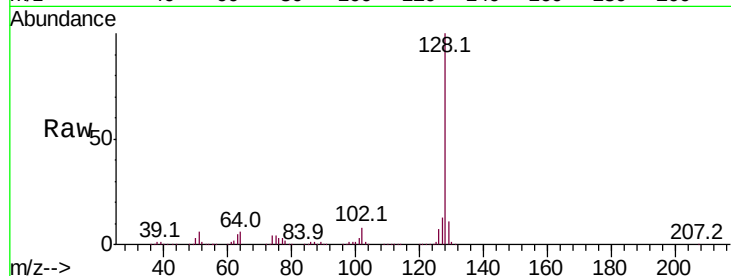
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	590845
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.3	15.5
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/11/2019 12:02:14 PM



#96

1,2,3-Trichlorobenzene

Concen: 50.595 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX007935.D

Acq: 08 Mar 2019 17:08

Tgt Ion:	180	Resp:	204915
Ion Ratio	Lower	Upper	
180	100		
182	96.1	47.5	142.5
145	30.4	14.8	44.3

