

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX091619\
 Data File : VX012425.D
 Acq On : 16 Sep 2019 22:59
 Operator : JC/SP
 Sample : K4830-14MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0281MSD

Manual Integrations
 APPROVED

MMDadoda
 9/18/2019 12:14:35 PM

Quant Time: Sep 17 05:47:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 04:36:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	112435	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	187114	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	176021	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	102130	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	114575	49.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.46%	
35) Dibromofluoromethane	5.49	113	82795	45.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.36%	
50) Toluene-d8	8.71	98	309822	48.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.34%	
62) 4-Bromofluorobenzene	11.14	95	125525	46.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	53497	49.289	ug/l	96
3) Chloromethane	1.32	50	47028	54.474	ug/l	99
4) Vinyl Chloride	1.40	62	49930	52.957	ug/l	100
5) Bromomethane	1.63	94	16240	40.426	ug/l	99
6) Chloroethane	1.71	64	41597	66.591	ug/l	98
7) Trichlorofluoromethane	1.92	101	92509	53.434	ug/l	100
8) Diethyl Ether	2.18	74	39535	52.425	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	63112	50.619	ug/l	99
10) Methyl Iodide	2.50	142	45197	37.925	ug/l	99
11) Tert butyl alcohol	3.03	59	137979	237.357	ug/l	99
12) 1,1-Dichloroethene	2.36	96	52519	53.526	ug/l	95
13) Acrolein	2.28	56	54440	217.336	ug/l	99
14) Allyl chloride	2.72	41	123384	54.529	ug/l	99
15) Acrylonitrile	3.13	53	254385	264.578	ug/l	99
16) Acetone	2.44	43	239637	231.589	ug/l	97
17) Carbon Disulfide	2.56	76	76325	52.193	ug/l	97
18) Methyl Acetate	2.76	43	110448	47.937	ug/l	100
19) Methyl tert-butyl Ether	3.19	73	286357	54.001	ug/l	99
20) Methylene Chloride	2.84	84	70217	49.737	ug/l	94
21) trans-1,2-Dichloroethene	3.15	96	55468	52.584	ug/l	89
22) Diisopropyl ether	3.84	45	286505	55.145	ug/l	98
23) Vinyl Acetate	3.80	43	1123899	262.072	ug/l	99
24) 1,1-Dichloroethane	3.69	63	139289	53.579	ug/l	99
25) 2-Butanone	4.66	43	378863	256.999	ug/l	99
26) 2,2-Dichloropropane	4.58	77	113669	45.839	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	79937	51.709	ug/l	97
28) Bromochloromethane	5.00	49	66972	50.304	ug/l	95
29) Tetrahydrofuran	5.11	42	230938	270.097	ug/l	98
30) Chloroform	5.20	83	152055	50.617	ug/l	99
31) Cyclohexane	5.57	56	85450	53.987	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	132669	53.165	ug/l	99
36) 1,1-Dichloropropene	5.79	75	84749	49.014	ug/l	99
37) Ethyl Acetate	4.82	43	127936	48.056	ug/l	99
38) Carbon Tetrachloride	5.78	117	107945	51.155	ug/l	97

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 9/18/2019 12:14:35 PM

Quant Time: Sep 17 05:47:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 04:36:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	92402	55.635	ug/l	96
40) Benzene	6.13	78	278085	52.193	ug/l	99
41) Methacrylonitrile	5.03	41	81400	53.552	ug/l	99
42) 1,2-Dichloroethane	6.18	62	125723	51.825	ug/l	99
43) Isopropyl Acetate	6.43	43	229216	50.181	ug/l	99
44) Trichloroethene	7.20	130	71551	50.000	ug/l	99
45) 1,2-Dichloropropane	7.51	63	82213	50.490	ug/l	97
46) Dibromomethane	7.65	93	55396	50.996	ug/l	95
47) Bromodichloromethane	7.89	83	124743	51.437	ug/l	97
48) Methyl methacrylate	7.76	41	112569	49.696	ug/l	99
49) 1,4-Dioxane	7.73	88	45896	880.634	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	771460	260.648	ug/l	99
52) Toluene	8.78	92	180669	52.091	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	129552	51.511	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	133587	51.385	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	88109	48.347	ug/l	96
56) Ethyl methacrylate	9.17	69	147828	53.915	ug/l	97
57) 1,3-Dichloropropane	9.37	76	144933	50.066	ug/l	99
59) 2-Hexanone	9.49	43	589539	258.366	ug/l	98
60) Dibromochloromethane	9.58	129	98909	47.362	ug/l	100
61) 1,2-Dibromoethane	9.67	107	85910	51.246	ug/l	98
64) Tetrachloroethene	9.33	164	53663	45.976	ug/l	97
65) Chlorobenzene	10.14	112	209867	51.066	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	88493	50.753	ug/l	99
67) Ethyl Benzene	10.25	91	367017	52.329	ug/l	100
68) m/p-Xylenes	10.35	106	266794	103.053	ug/l	100
69) o-Xylene	10.70	106	137288	51.137	ug/l	96
70) Styrene	10.71	104	248521	53.351	ug/l	99
71) Bromoform	10.85	173	69040	45.480	ug/l	100
73) Isopropylbenzene	11.01	105	386932	54.532	ug/l	98
74) N-amyl acetate	10.89	43	201658	53.616	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	151468	53.236	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	144226m	54.629	ug/l	
77) Bromobenzene	11.25	156	92203	50.468	ug/l	94
78) n-propylbenzene	11.35	91	436035	54.376	ug/l	100
79) 2-Chlorotoluene	11.42	91	276606	53.732	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	334424	54.126	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	46071	49.262	ug/l	99
82) 4-Chlorotoluene	11.51	91	325944	54.295	ug/l	99
83) tert-Butylbenzene	11.76	119	354130	54.035	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	351630	56.087	ug/l	100
85) sec-Butylbenzene	11.94	105	399492	55.137	ug/l	100
86) p-Isopropyltoluene	12.06	119	367504	55.363	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	176434	51.589	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	174550	50.463	ug/l	99
89) n-Butylbenzene	12.39	91	322355	54.990	ug/l	99
90) Hexachloroethane	12.59	117	70209	54.710	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	181507	51.846	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	41667	55.441	ug/l	96
93) 1,2,4-Trichlorobenzene	13.64	180	121127	51.708	ug/l	97

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ClientSampleId :
S13-0281MSD

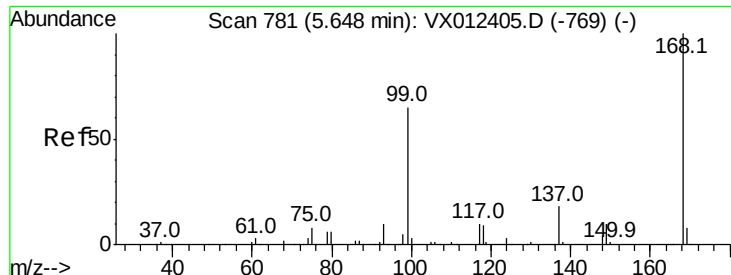
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Quant Title : SW846 8260
QLast Update : Tue Sep 17 04:36:38 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	52176	46.253	ug/l	99
95) Naphthalene	13.83	128	452466	52.303	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	123376	52.806	ug/l	97

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



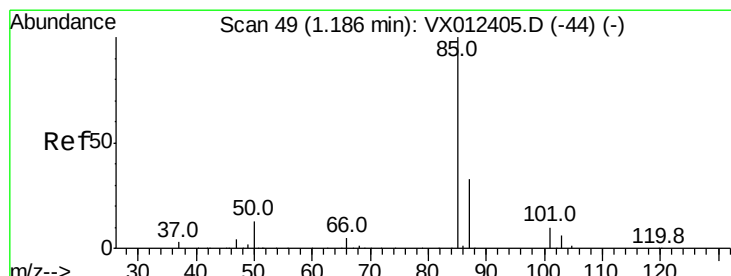
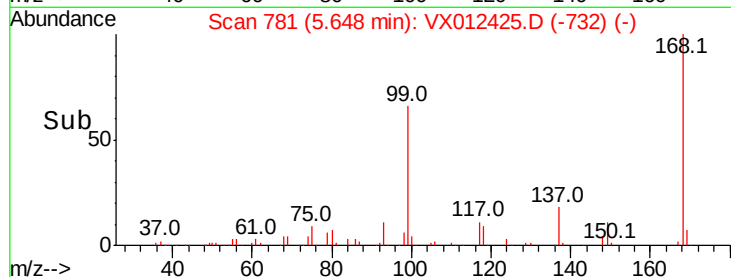
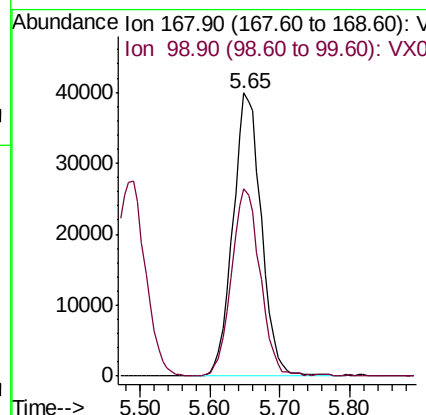
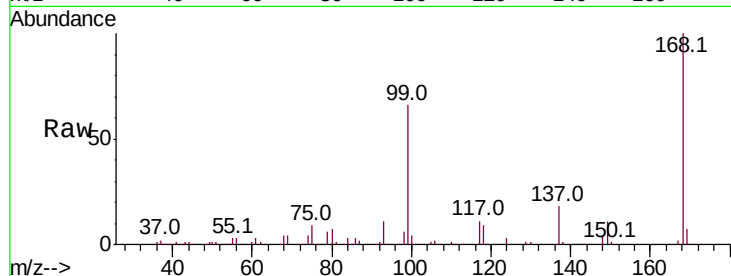
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.00 min
Lab File: VX012425.D
Acq: 16 Sep 2019 22:59

Instrument :
MSVOA_X
ClientSampleId :
S13-0281MSD

Tot Ion	Ratio	Resp	Lower	Upper
168	100	112435		
99	66.1	51.8	77.6	

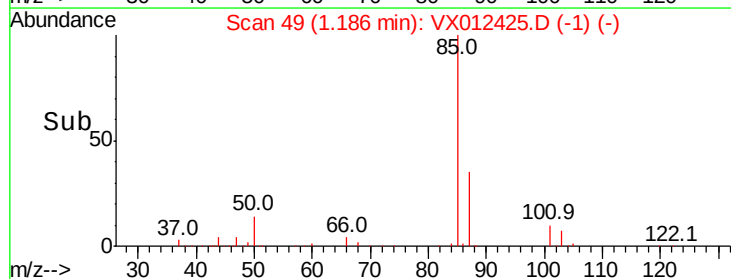
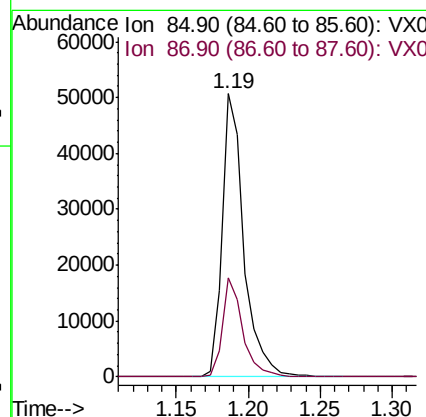
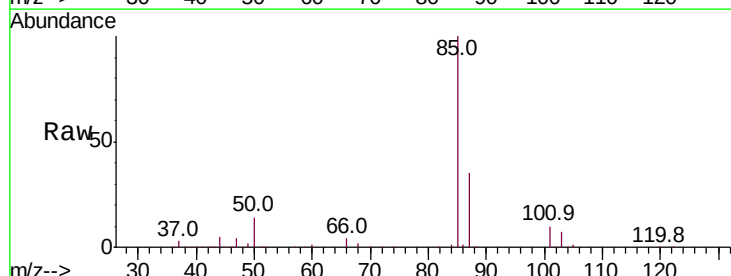
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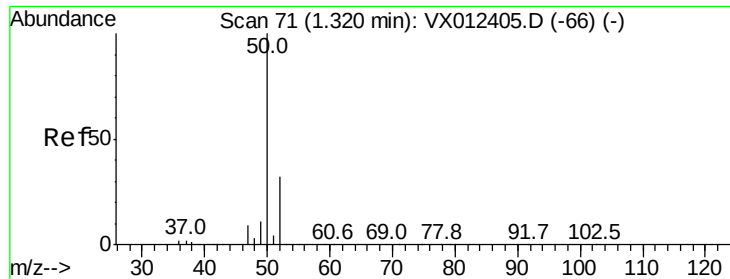
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#2
Dichlorodifluoromethane
Concen: 49.289 ug/l
RT: 1.19 min Scan# 49
Delta R.T. 0.00 min
Lab File: VX012425.D
Acq: 16 Sep 2019 22:59

Tgt Ion	Ratio	Resp	Lower	Upper
85	100	53497		
87	34.8	16.4	49.2	





#3

Chloromethane

Concen: 54.474 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012425.D

Acq: 16 Sep 2019 22:59

Instrument :

MSVOA_X

ClientSampleId :

S13-0281MSD

Tot Ion: 50 Resp: 47028

Ion Ratio Lower Upper

50 100

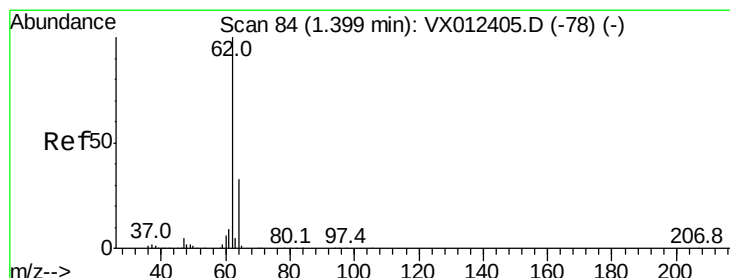
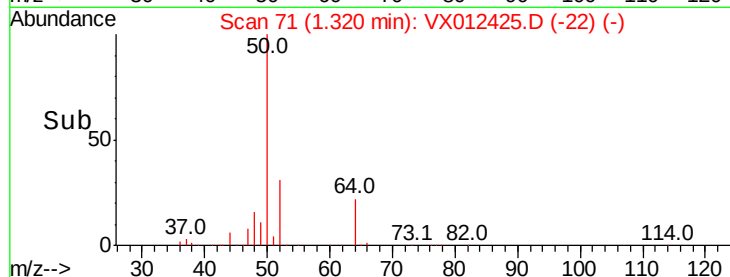
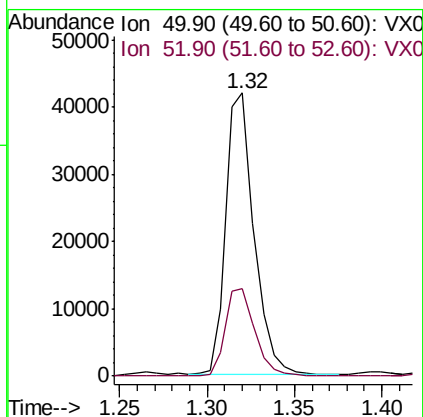
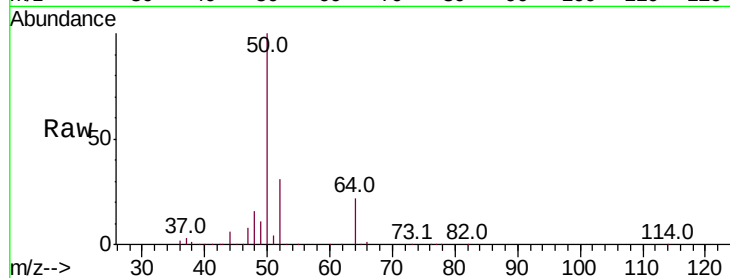
52 31.1 25.4 38.2

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#4

Vinyl Chloride

Concen: 52.957 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX012425.D

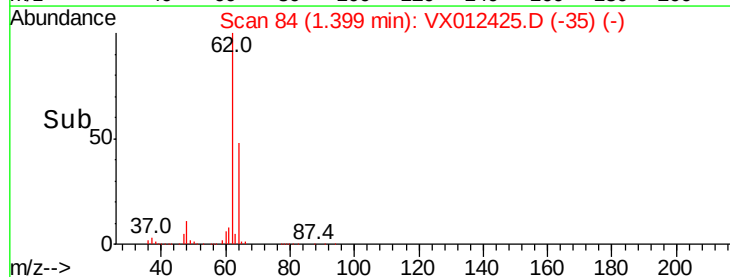
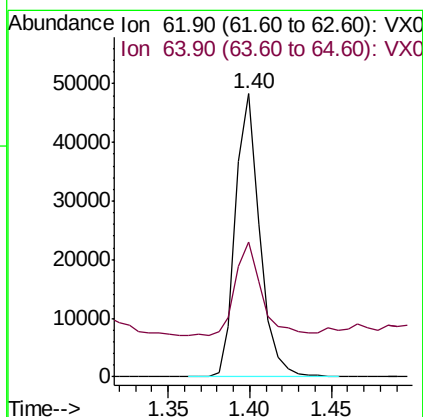
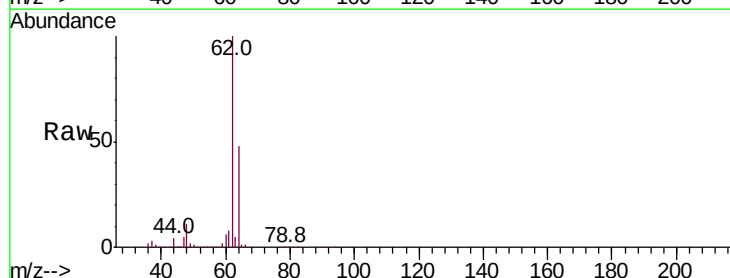
Acq: 16 Sep 2019 22:59

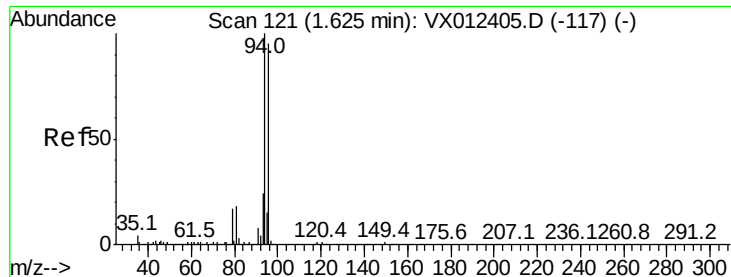
Tgt Ion: 62 Resp: 49930

Ion Ratio Lower Upper

62 100

64 32.8 26.2 39.2





#5

Bromomethane

Concen: 40.426 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX012425.D

Acq: 16 Sep 2019 22:59

Instrument :

MSVOA_X

ClientSampleId :

S13-0281MSD

Tot Ion: 94 Resp: 16240

Ion Ratio Lower Upper

94 100

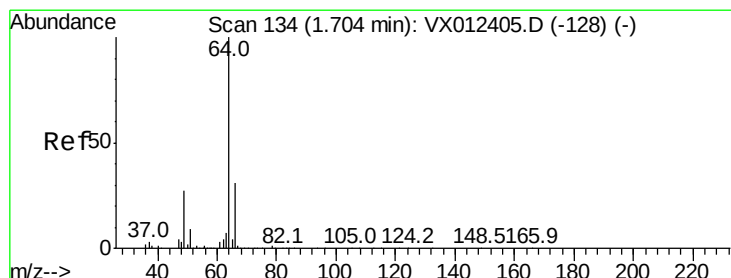
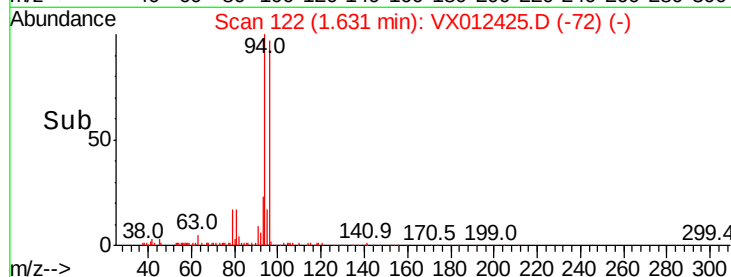
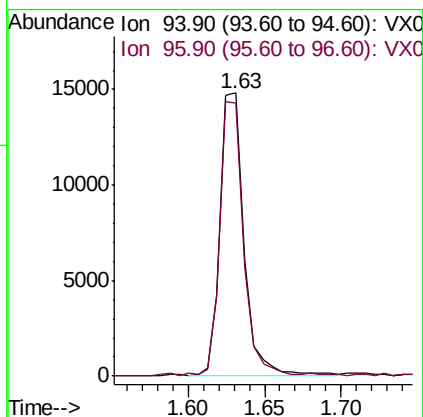
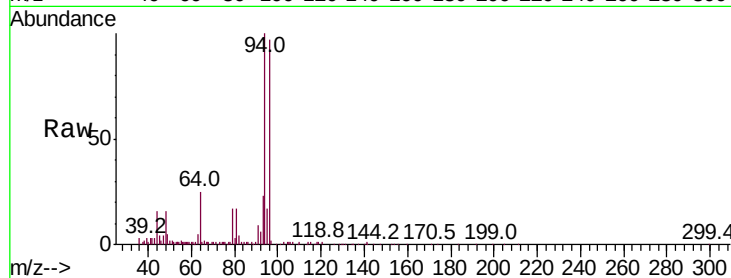
96 95.8 75.7 113.5

Manual Integrations

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#6

Chloroethane

Concen: 66.591 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX012425.D

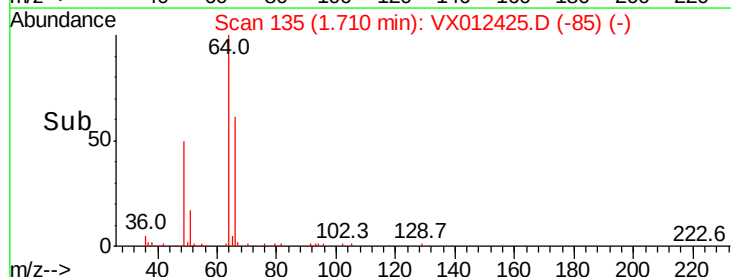
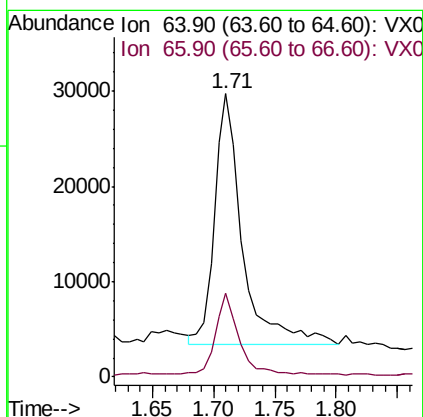
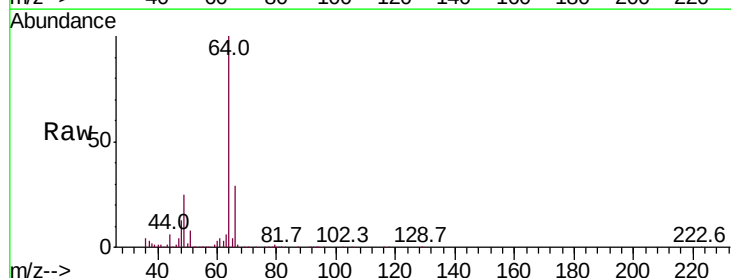
Acq: 16 Sep 2019 22:59

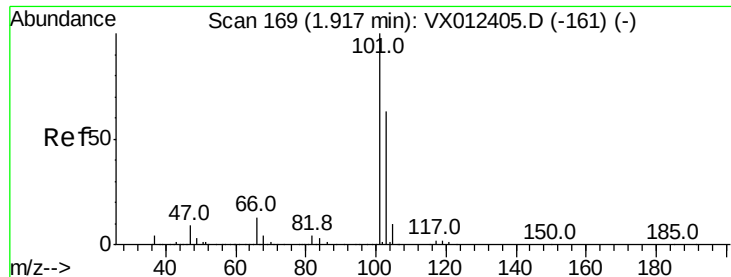
Tgt Ion: 64 Resp: 41597

Ion Ratio Lower Upper

64 100

66 32.2 24.7 37.1





#7

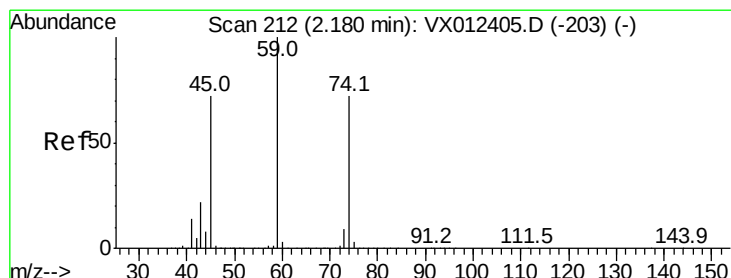
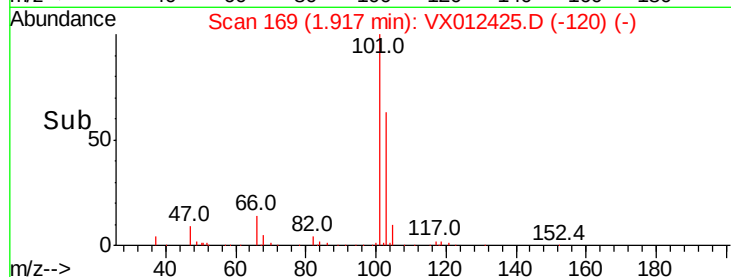
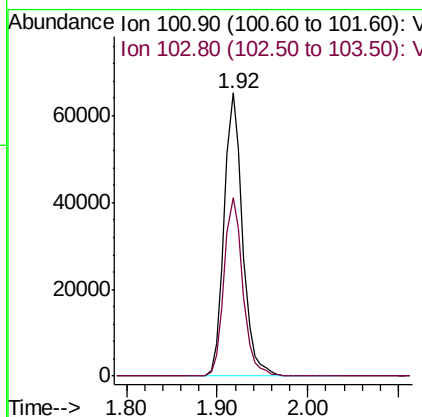
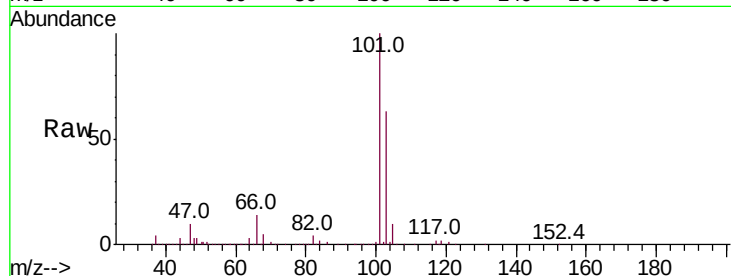
Trichlorofluoromethane
 Concen: 53.434 ug/l
 RT: 1.92 min Scan# 169
 Delta R.T. -0.00 min
 Lab File: VX012425.D
 Acq: 16 Sep 2019 22:59

Instrument :
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 ClientSampleId :
 S13-0281MSD

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.9	50.5	75.7

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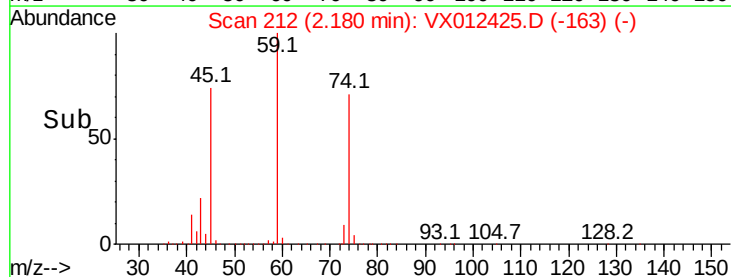
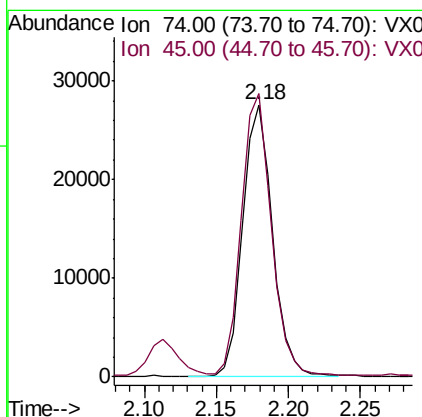
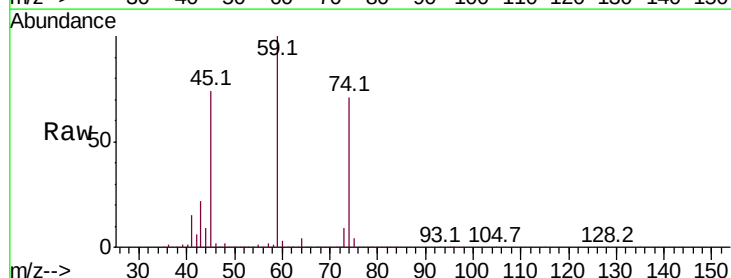
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 9/18/2019 12:14:35 PM

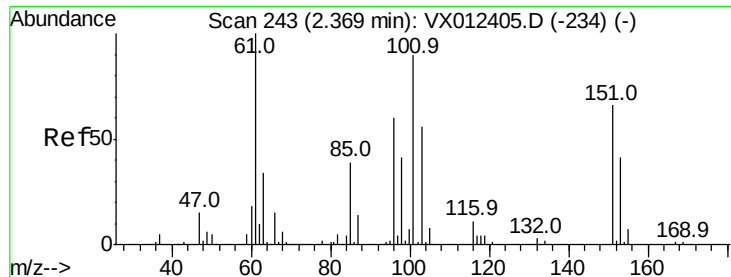


#8

Diethyl Ether
 Concen: 52.425 ug/l
 RT: 2.18 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VX012425.D
 Acq: 16 Sep 2019 22:59

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.1	50.6	151.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.619 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.00 min

Lab File: VX012425.D

Acq: 16 Sep 2019 22:59

Instrument :

MSVOA_X

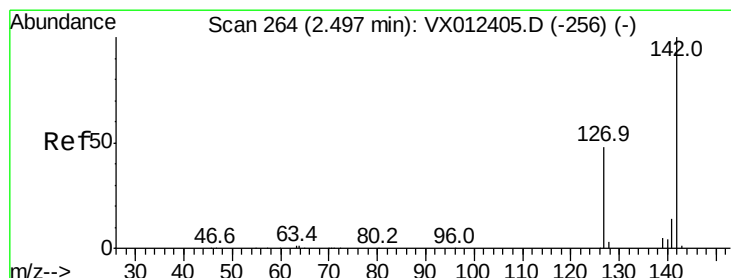
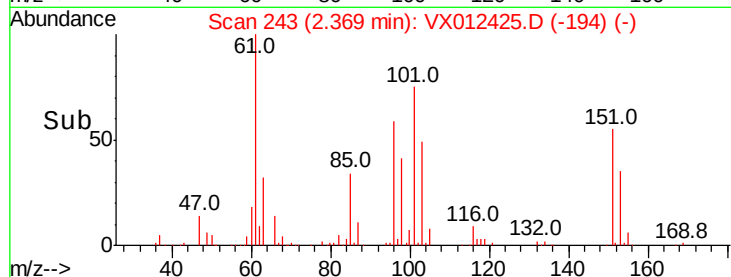
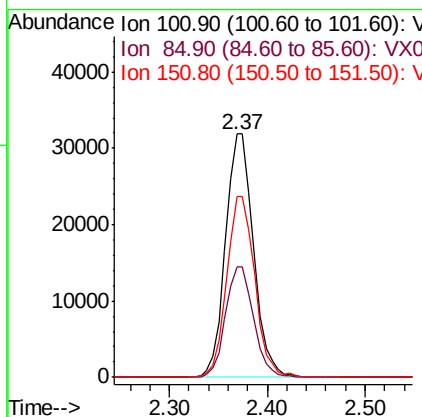
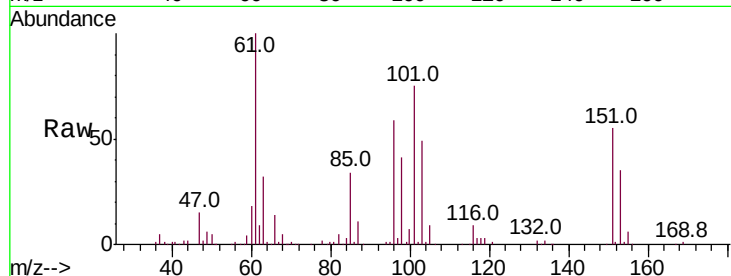
ClientSampleId :

S13-0281MSD

Tot Ion:	101	Resp:	63112
Ion Ratio	Lower	Upper	
101	100		
85	45.7	36.3	54.5
151	74.6	61.1	91.7

Manual Integrations
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#10

Methyl Iodide

Concen: 37.925 ug/l

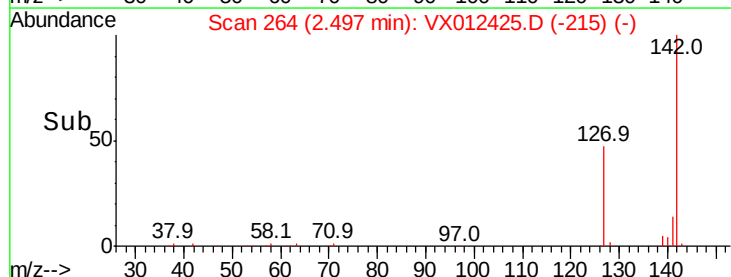
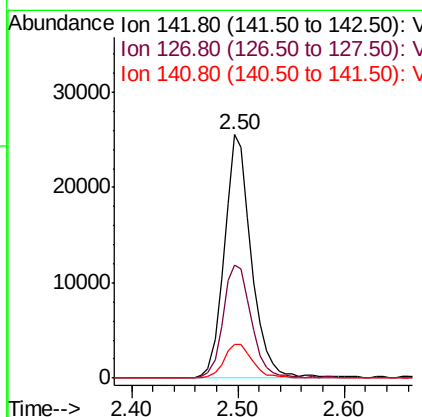
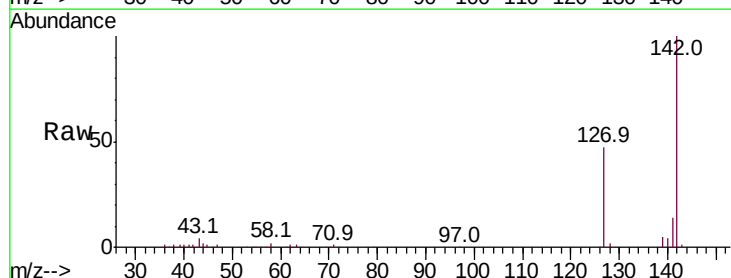
RT: 2.50 min Scan# 264

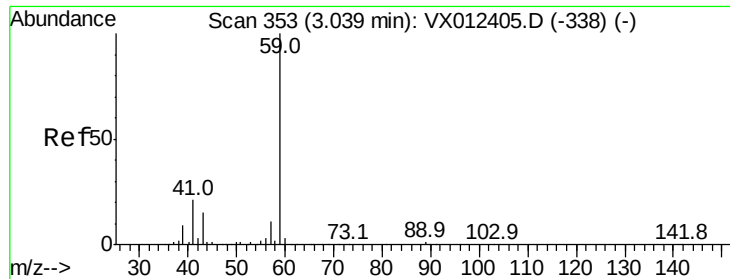
Delta R.T. 0.00 min

Lab File: VX012425.D

Acq: 16 Sep 2019 22:59

Tgt Ion:	142	Resp:	45197
Ion Ratio	Lower	Upper	
142	100		
127	48.8	39.6	59.4
141	14.8	11.6	17.4





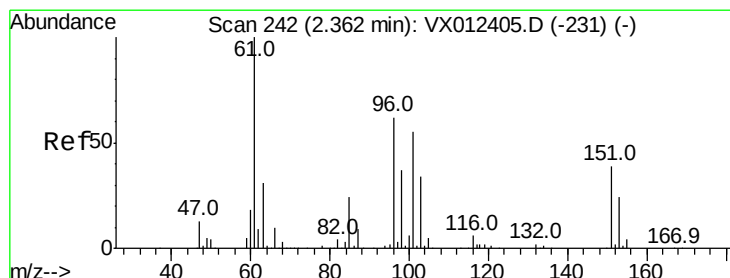
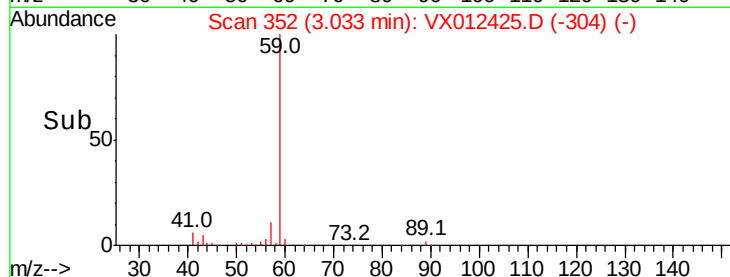
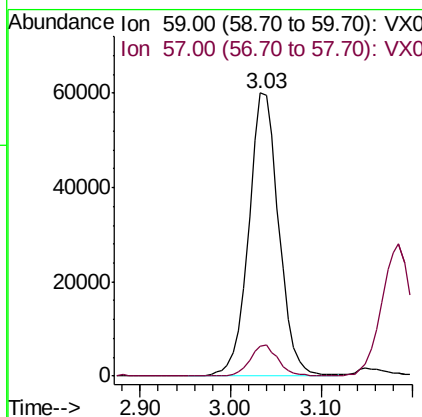
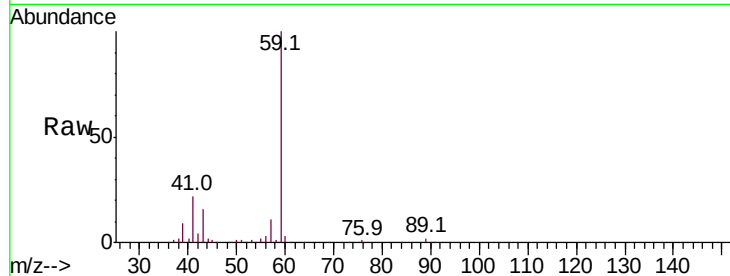
#11
Tert butyl alcohol
Concen: 237.357 ug/l
RT: 3.03 min Scan# 352
Delta R.T. -0.01 min
Lab File: VX012425.D
Acq: 16 Sep 2019 22:59

Instrument :
MSVOA_X
ClientSampleId :
S13-0281MSD

Tot Ion: 59 Resp: 137979
Ion Ratio Lower Upper
59 100
57 10.3 8.6 12.8

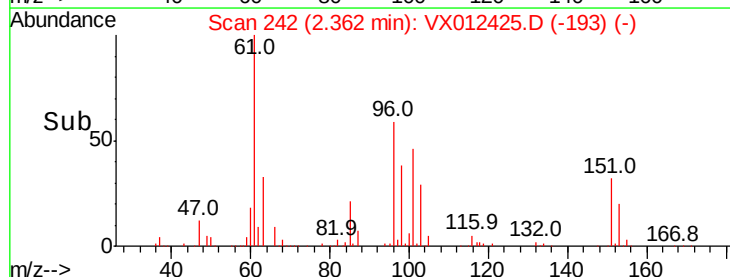
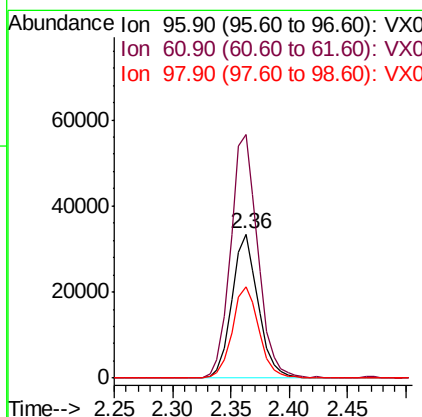
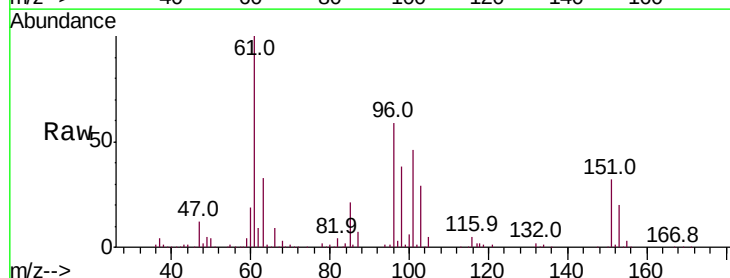
Manual Integrations
APPROVED

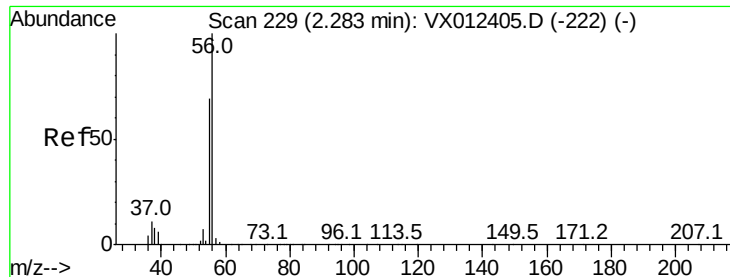
MMDadoda
9/18/2019 12:14:35 PM



#12
1,1-Dichloroethene
Concen: 53.526 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.00 min
Lab File: VX012425.D
Acq: 16 Sep 2019 22:59

Tgt Ion: 96 Resp: 52519
Ion Ratio Lower Upper
96 100
61 168.7 129.8 194.6
98 63.3 48.5 72.7





#13

Acrolein

Concen: 217.336 ug/l

RT: 2.28 min Scan# 229

Delta R.T. -0.00 min

Lab File: VX012425.D

Acq: 16 Sep 2019 22:59

Instrument :

MSVOA_X

ClientSampleId :

S13-0281MSD

Tot Ion: 56 Resp: 54440

Ion Ratio Lower Upper

56 100

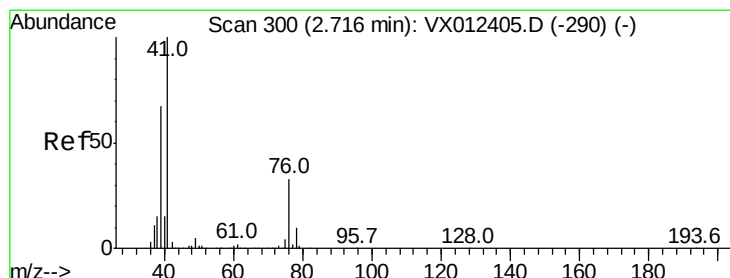
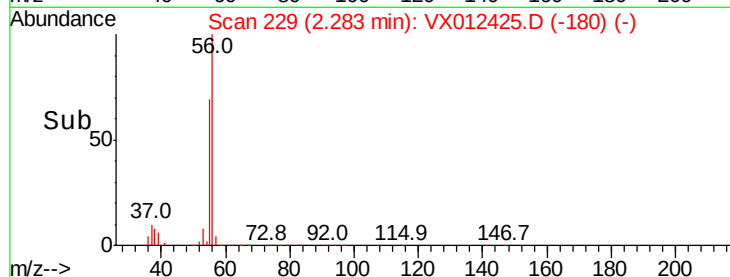
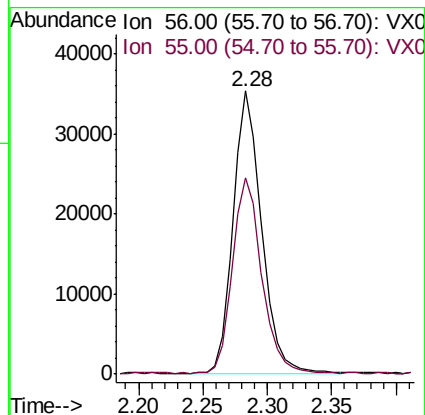
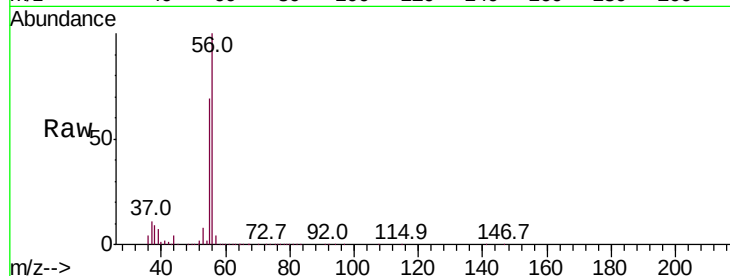
55 70.6 56.1 84.1

Manual Integrations

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#14

Allyl chloride

Concen: 54.529 ug/l

RT: 2.72 min Scan# 300

Delta R.T. -0.00 min

Lab File: VX012425.D

Acq: 16 Sep 2019 22:59

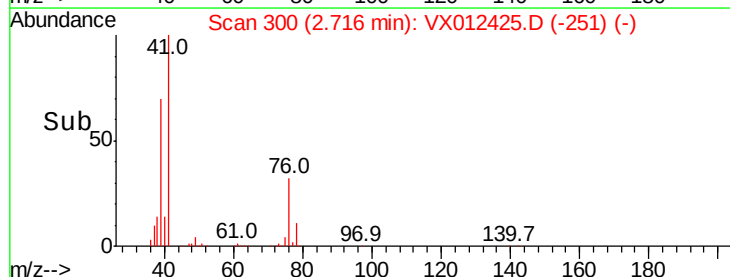
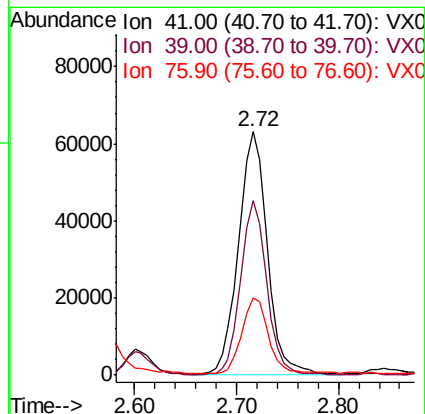
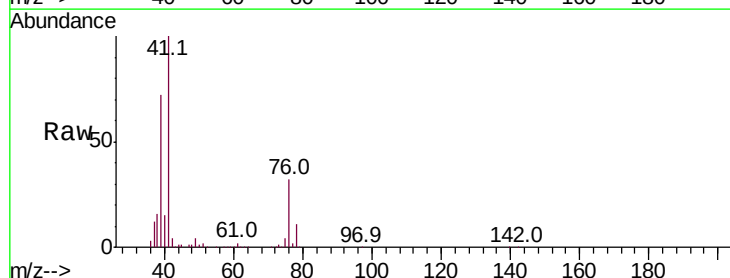
Tgt Ion: 41 Resp: 123384

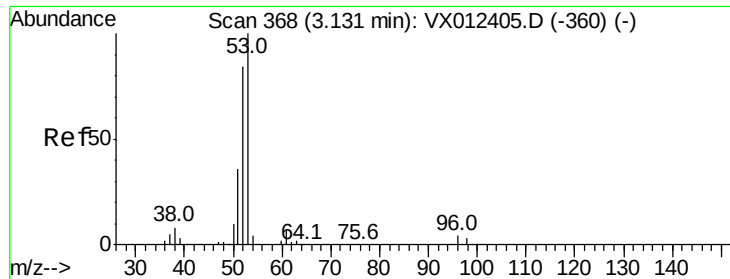
Ion Ratio Lower Upper

41 100

39 64.7 51.1 76.7

76 28.7 23.4 35.2





#15

Acrylonitrile

Concen: 264.578 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX012425.D

Acq: 16 Sep 2019 22:59

Instrument :

MSVOA_X

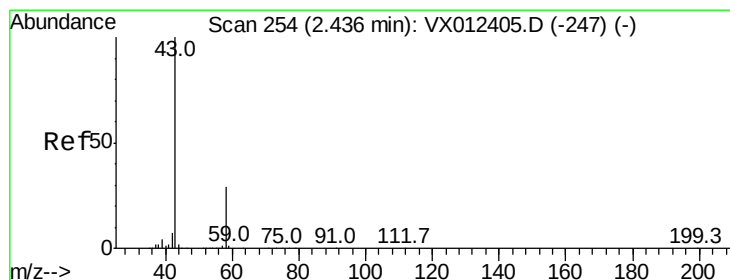
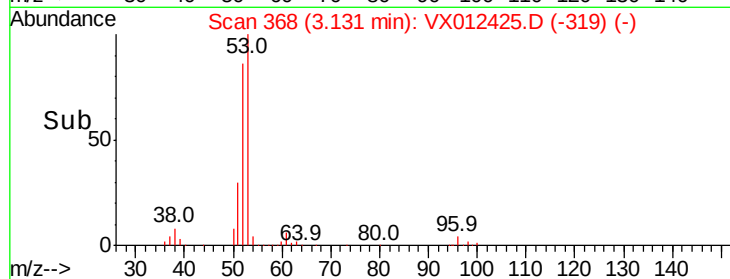
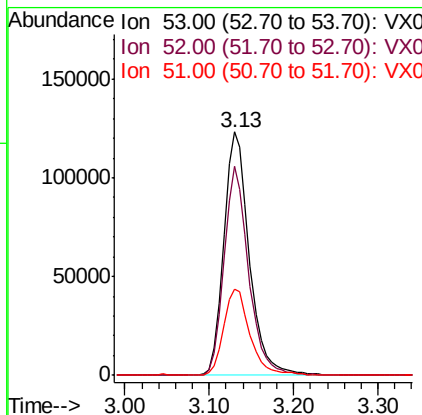
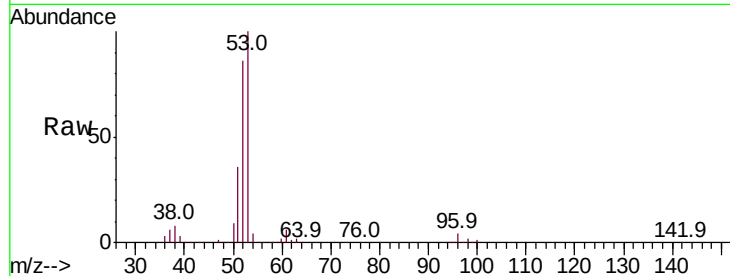
ClientSampleId :

S13-0281MSD

Tot Ion:	53	Resp:	254385
Ion Ratio	Lower	Upper	
53	100		
52	83.1	67.4	101.2
51	36.9	29.8	44.6

Manual Integrations
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#16

Acetone

Concen: 231.589 ug/l

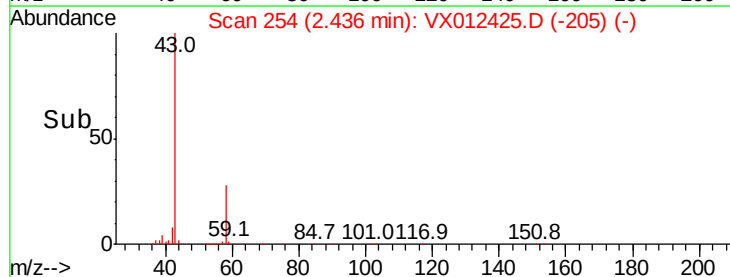
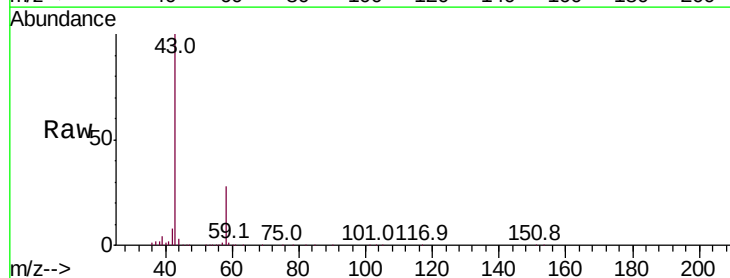
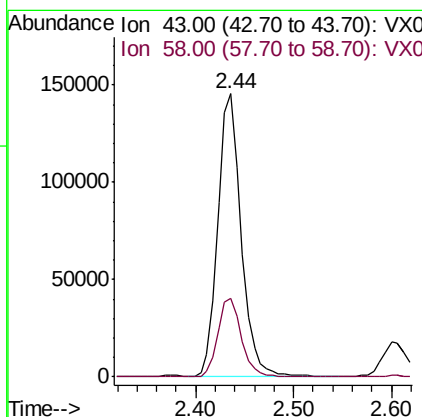
RT: 2.44 min Scan# 254

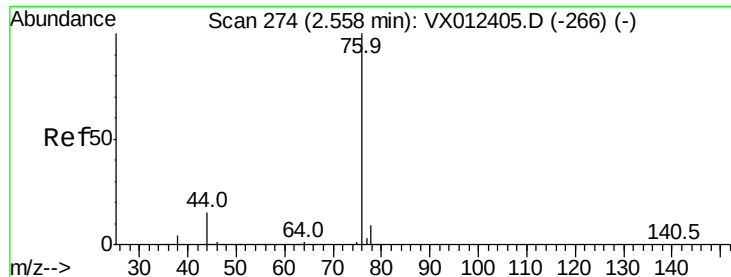
Delta R.T. -0.00 min

Lab File: VX012425.D

Acq: 16 Sep 2019 22:59

Tgt Ion:	43	Resp:	239637
Ion Ratio	Lower	Upper	
43	100		
58	28.0	23.5	35.3





#17

Carbon Disulfide

Concen: 52.193 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX012425.D

Acq: 16 Sep 2019 22:59

Instrument :

MSVOA_X

ClientSampleId :

S13-0281MSD

Tot Ion: 76 Resp: 76325

Ion Ratio Lower Upper

76 100

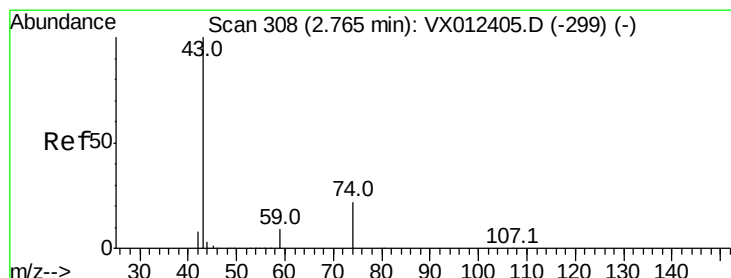
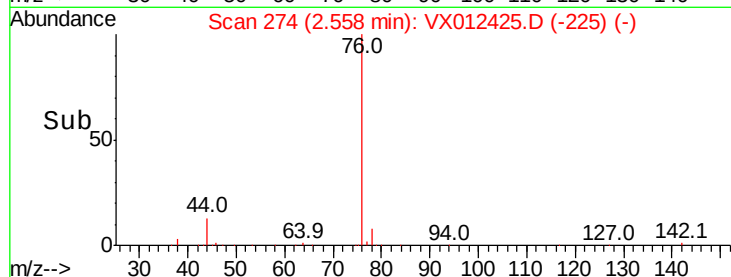
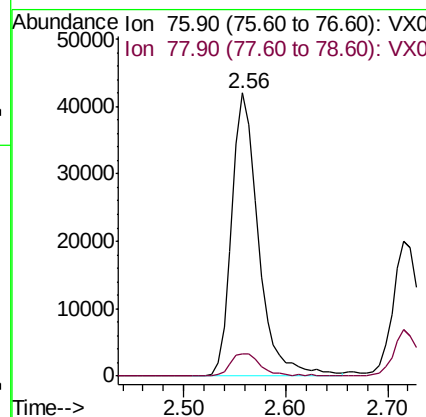
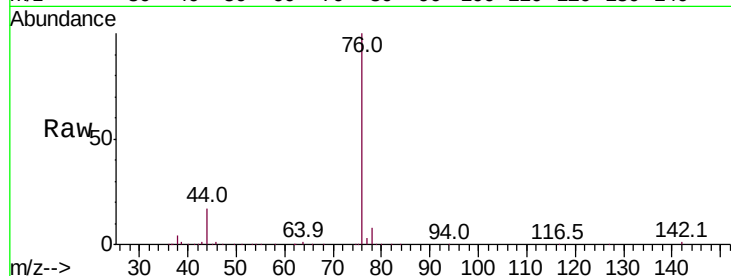
78 7.9 7.1 10.7

Manual Integrations

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#18

Methyl Acetate

Concen: 47.937 ug/l

RT: 2.76 min Scan# 308

Delta R.T. 0.00 min

Lab File: VX012425.D

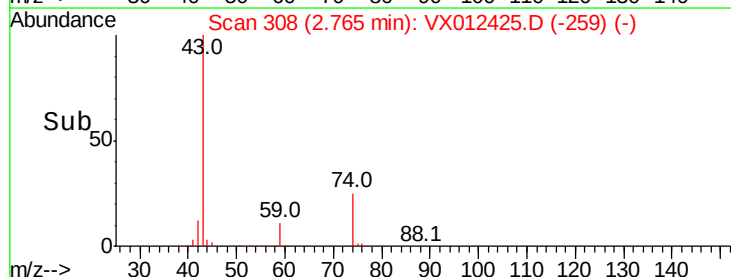
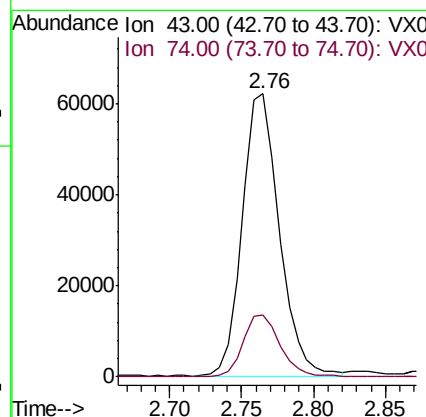
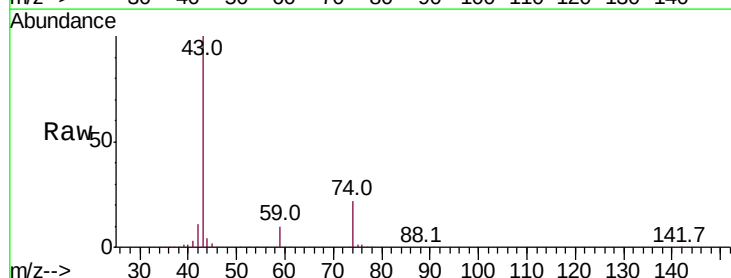
Acq: 16 Sep 2019 22:59

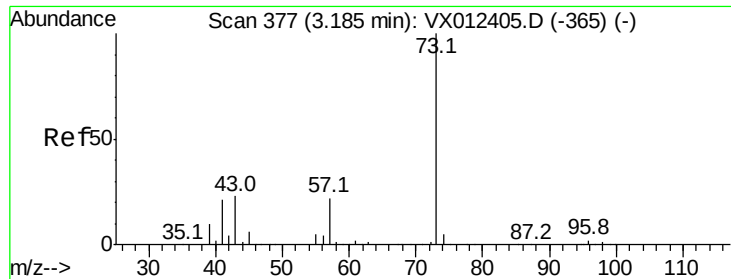
Tgt Ion: 43 Resp: 110448

Ion Ratio Lower Upper

43 100

74 22.6 18.2 27.2





#19

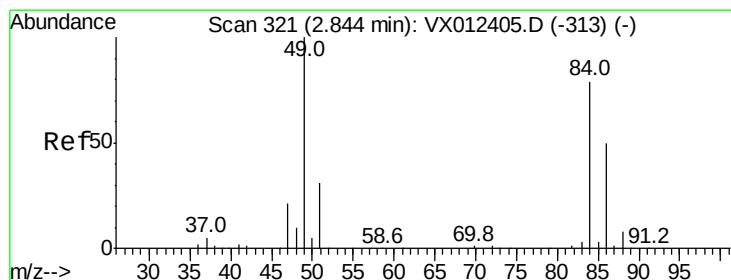
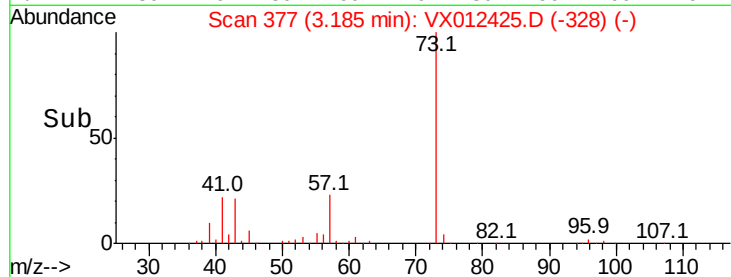
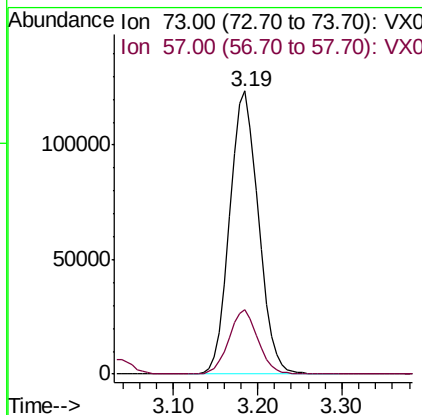
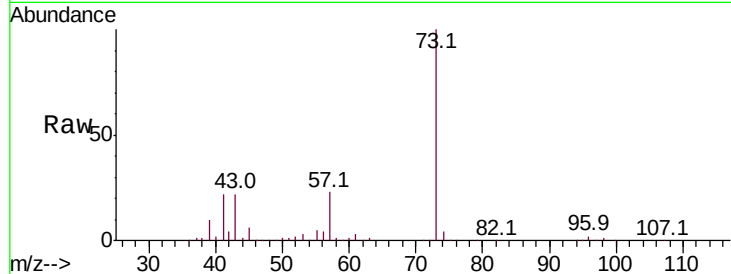
Methyl tert-butyl Ether
 Concen: 54.001 ug/l
 RT: 3.19 min Scan# 377
 Delta R.T. 0.00 min
 Lab File: VX012425.D
 Acq: 16 Sep 2019 22:59

Instrument :
 MSVOA_X
 ClientSampled :
 S13-0281MSD

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.6	17.8	26.6

Manual Integrations
 APPROVED

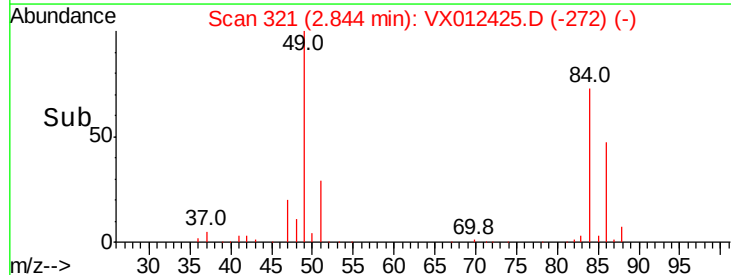
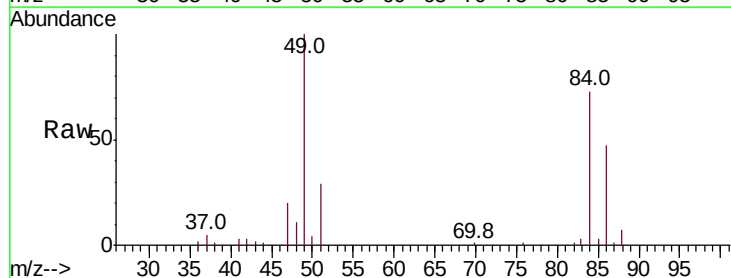
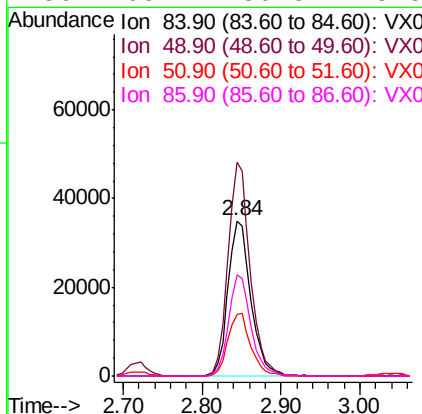
MMDadoda
 9/18/2019 12:14:35 PM

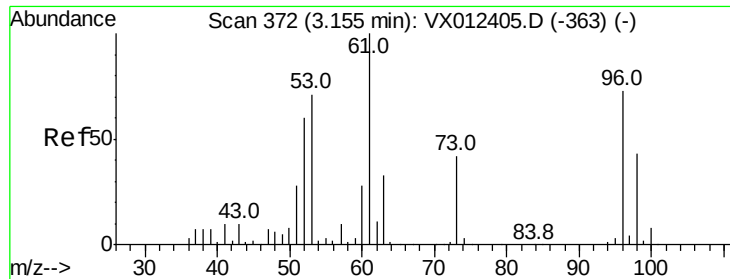


#20

Methylene Chloride
 Concen: 49.737 ug/l
 RT: 2.84 min Scan# 321
 Delta R.T. 0.00 min
 Lab File: VX012425.D
 Acq: 16 Sep 2019 22:59

Tgt Ion	Ratio	Lower	Upper
84	100		
49	137.8	101.7	152.5
51	39.9	31.2	46.8
86	65.2	50.3	75.5





#21

trans-1,2-Dichloroethene

Concen: 52.584 ug/l

RT: 3.15 min Scan# 372

Delta R.T. -0.00 min

Lab File: VX012425.D

Acq: 16 Sep 2019 22:59

Instrument :

MSVOA_X

ClientSampled :

S13-0281MSD

Tot Ion: 96 Resp: 55468

Ion Ratio Lower Upper

96 100

61 149.9 109.7 164.5

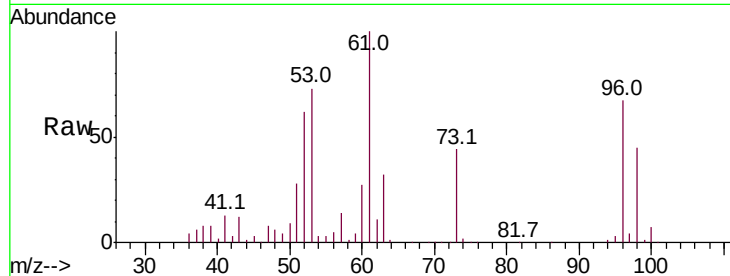
98 67.3 47.0 70.6

Manual Integrations

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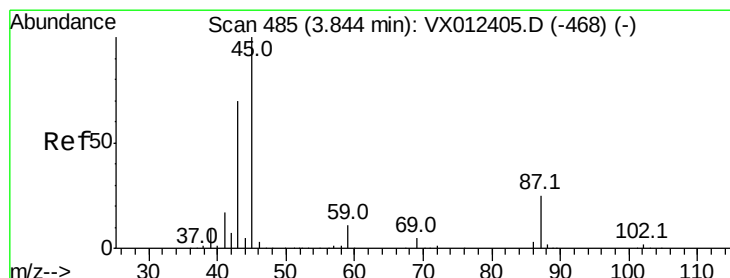
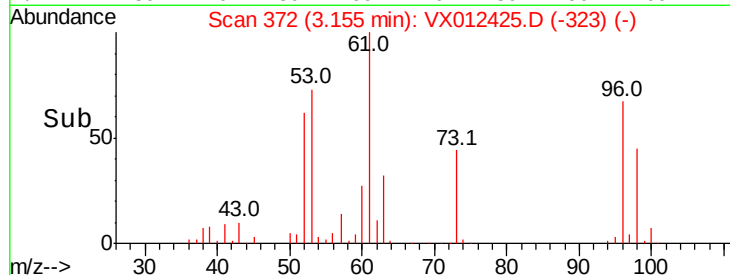
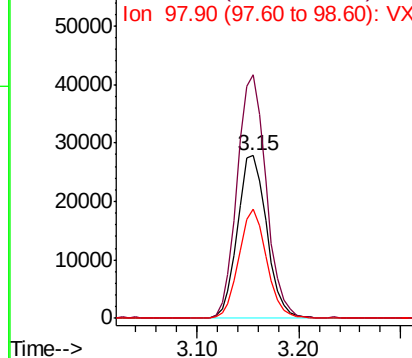


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 55.145 ug/l

RT: 3.84 min Scan# 485

Delta R.T. -0.00 min

Lab File: VX012425.D

Acq: 16 Sep 2019 22:59

Tgt Ion: 45 Resp: 286505

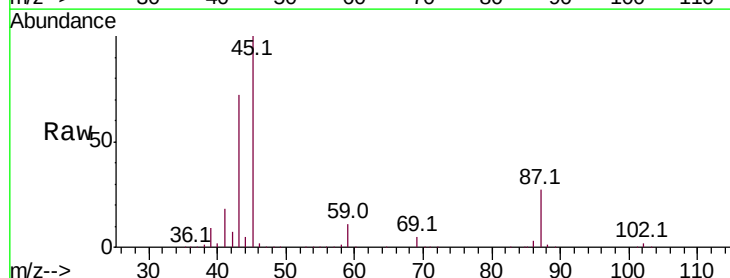
Ion Ratio Lower Upper

45 100

43 71.3 55.8 83.8

87 26.6 20.0 30.0

59 11.4 8.4 12.6



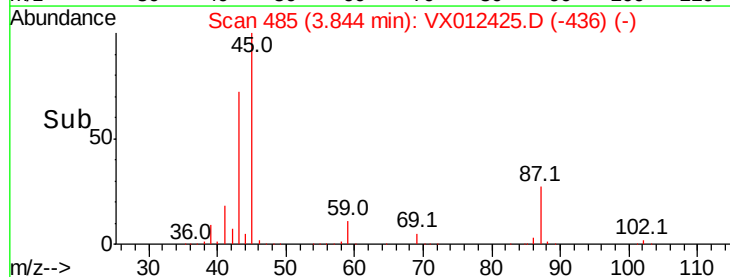
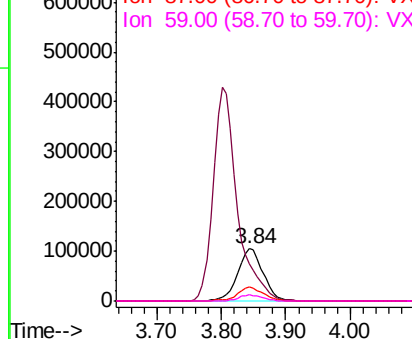
Abundance

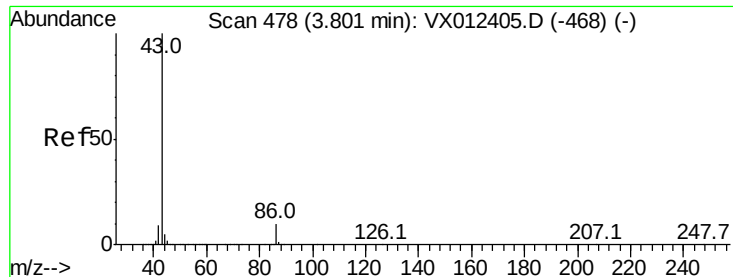
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 262.072 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX012425.D

Acq: 16 Sep 2019 22:59

Instrument :

MSVOA_X

ClientSampleId :

S13-0281MSD

Tot Ion: 43 Resp: 1123899

Ion Ratio Lower Upper

43 100

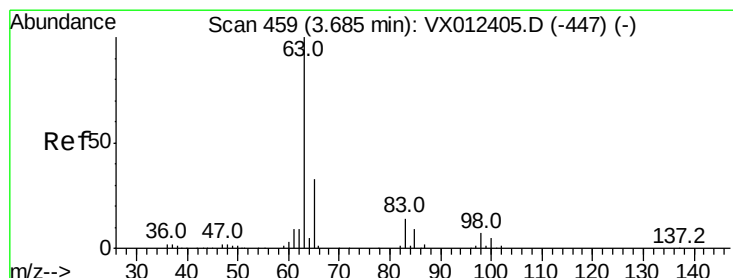
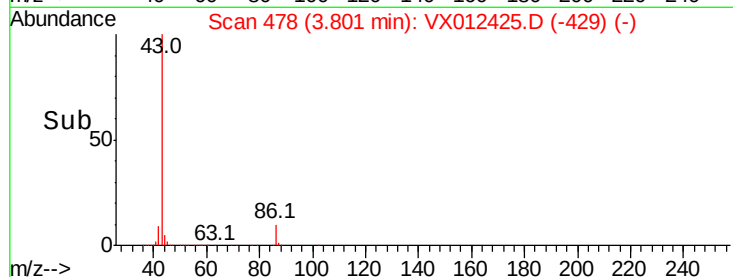
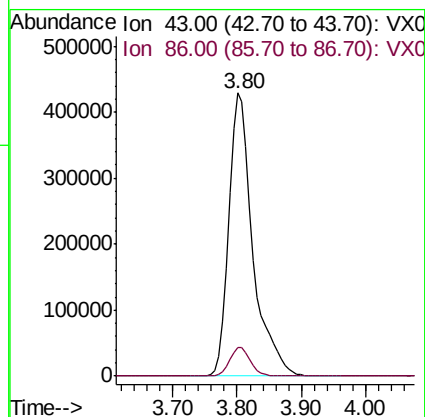
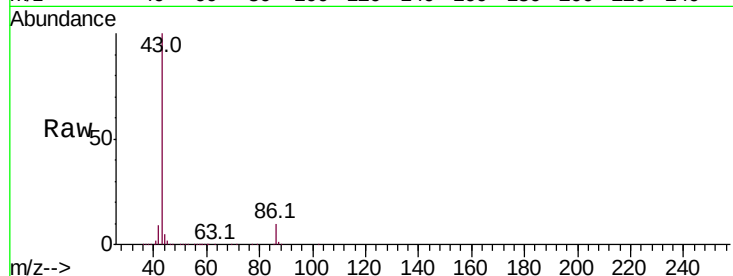
86 10.0 8.3 12.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 53.579 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX012425.D

Acq: 16 Sep 2019 22:59

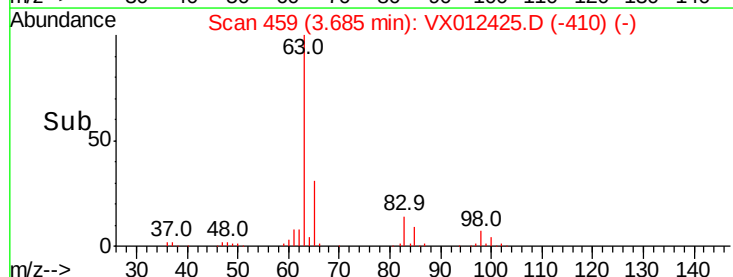
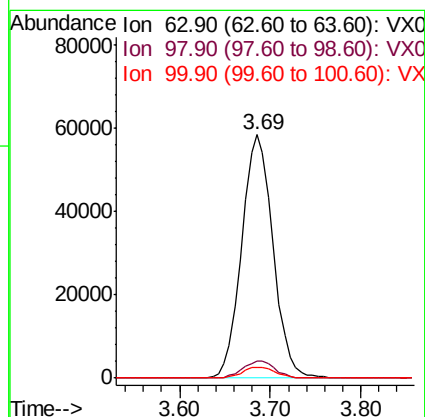
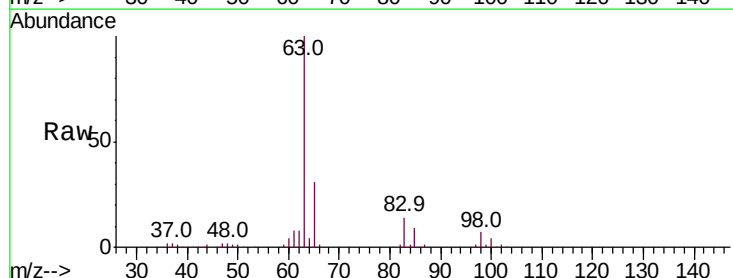
Tgt Ion: 63 Resp: 139289

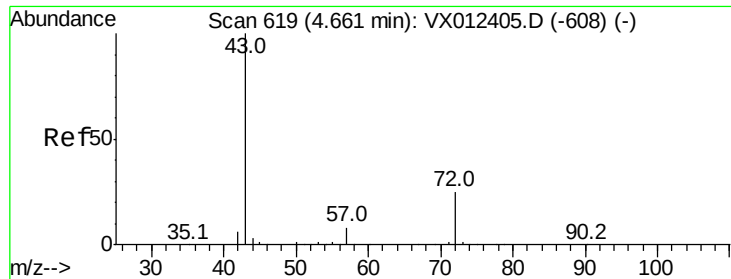
Ion Ratio Lower Upper

63 100

98 7.2 3.5 10.6

100 4.4 2.5 7.5





#25

2-Butanone

Concen: 256.999 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.00 min

Lab File: VX012425.D

Acq: 16 Sep 2019 22:59

Instrument :

MSVOA_X

ClientSampleId :

S13-0281MSD

Tot Ion: 43 Resp: 378863

Ion Ratio Lower Upper

43 100

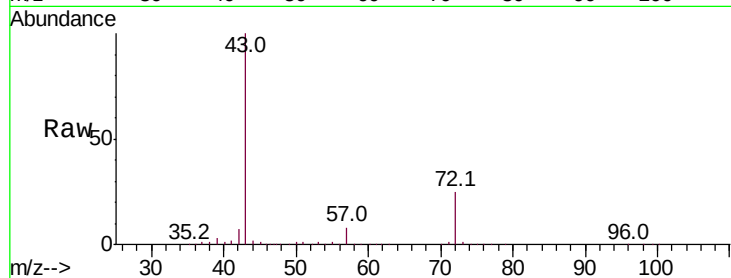
72 24.4 19.8 29.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

150000

100000

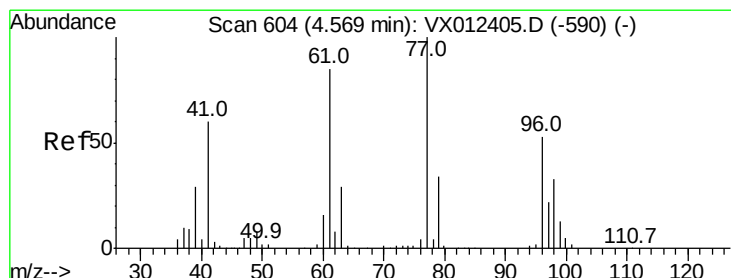
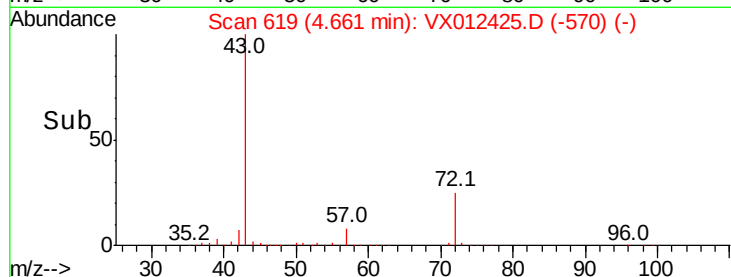
50000

0

4.66

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 45.839 ug/l

RT: 4.58 min Scan# 605

Delta R.T. 0.01 min

Lab File: VX012425.D

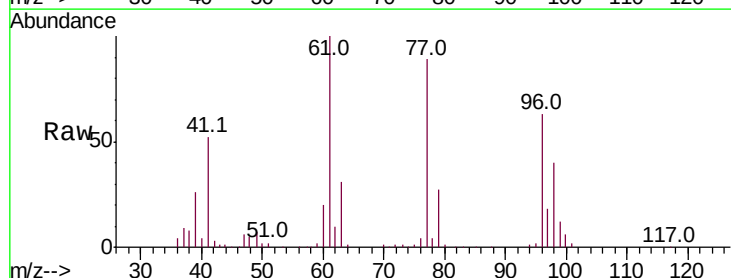
Acq: 16 Sep 2019 22:59

Tgt Ion: 77 Resp: 113669

Ion Ratio Lower Upper

77 100

97 21.2 10.7 32.1



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

40000

30000

20000

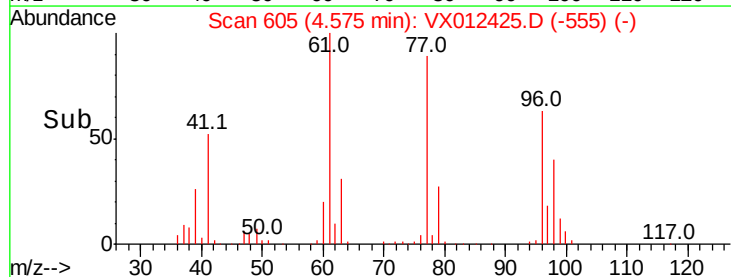
10000

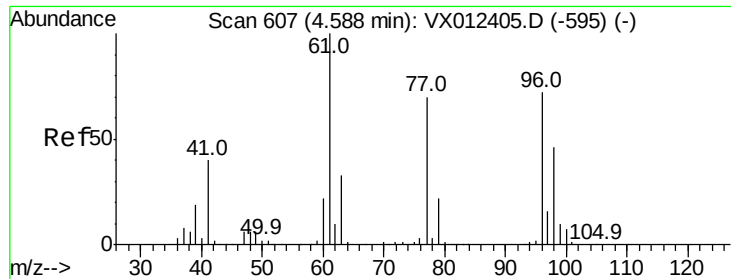
0

4.58

4.40 4.50 4.60 4.70

Time-->





#27

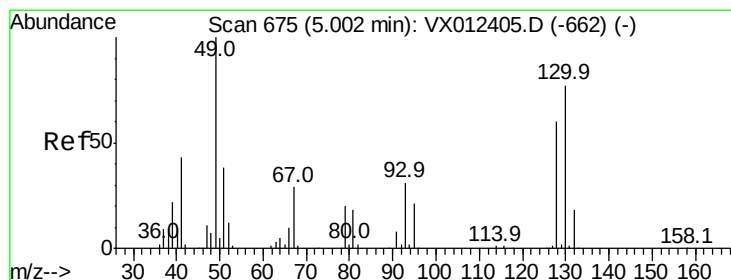
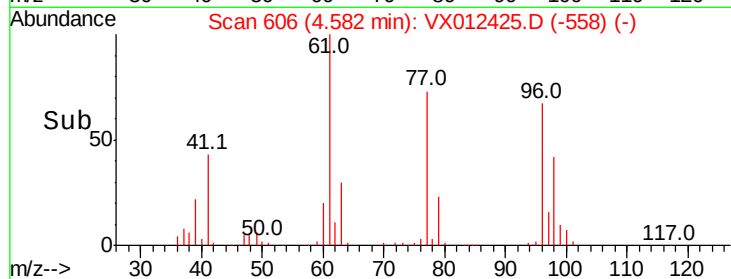
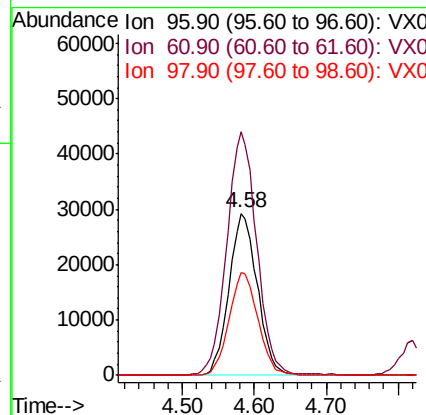
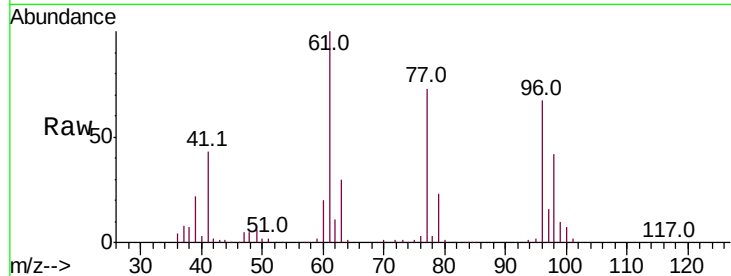
cis-1,2-Dichloroethene
 Concen: 51.709 ug/l
 RT: 4.58 min Scan# 606
 Delta R.T. -0.01 min
 Lab File: VX012425.D
 Acq: 16 Sep 2019 22:59

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0281MSD

Tot Ion	Ratio	Lower	Upper
96	100		
61	159.2	0.0	307.6
98	64.8	0.0	129.8

Manual Integrations
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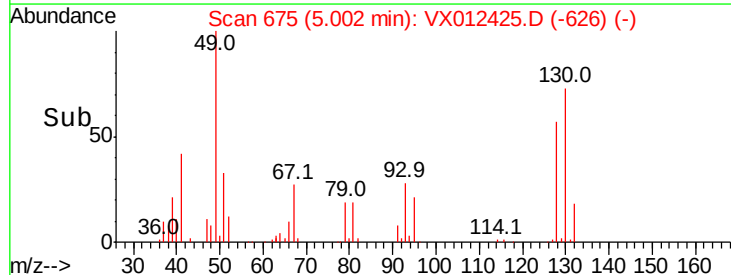
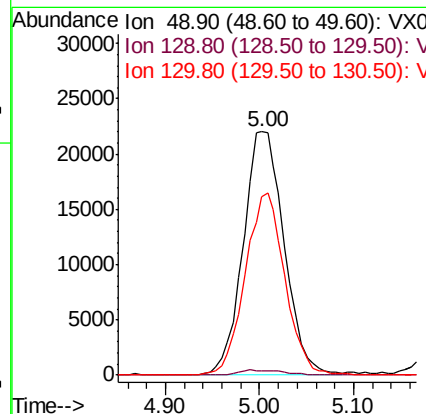
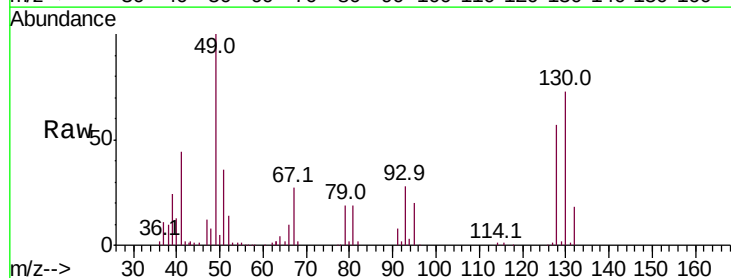
MMDadoda
 9/18/2019 12:14:35 PM

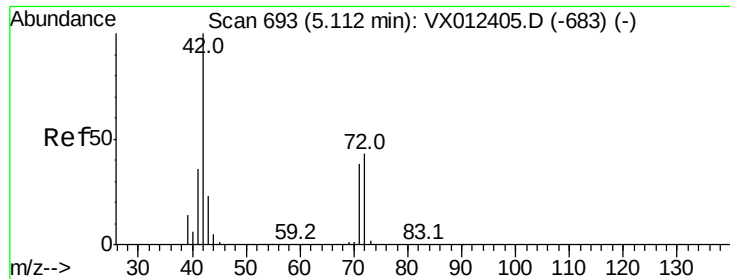


#28

Bromochloromethane
 Concen: 50.304 ug/l
 RT: 5.00 min Scan# 675
 Delta R.T. 0.00 min
 Lab File: VX012425.D
 Acq: 16 Sep 2019 22:59

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	4.6
130	72.6	61.3	91.9





#29

Tetrahydrofuran

Concen: 270.097 ug/l

RT: 5.11 min Scan# 693

Delta R.T. 0.00 min

Lab File: VX012425.D

Acq: 16 Sep 2019 22:59

Instrument :

MSVOA_X

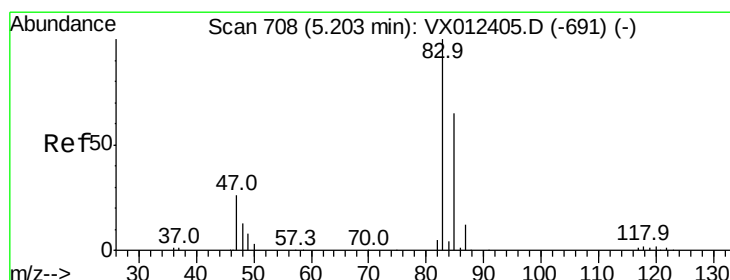
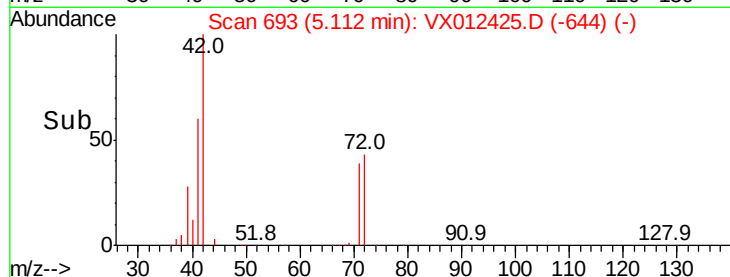
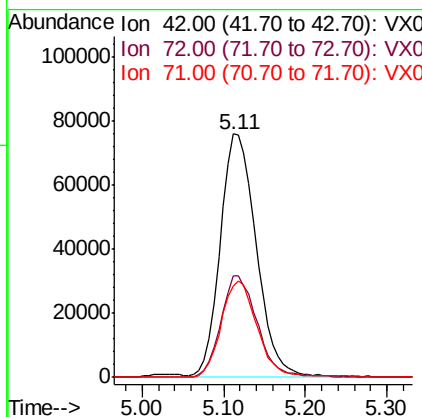
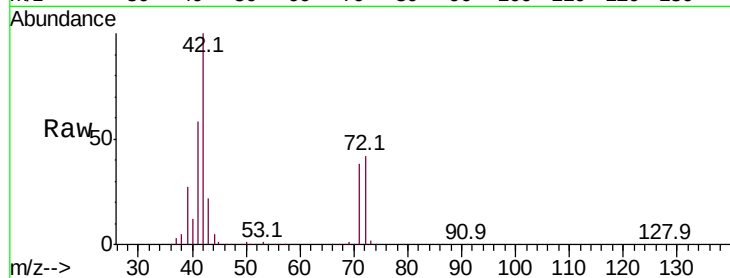
ClientSampleId :

S13-0281MSD

Tot Ion:	42	Resp:	230938
Ion	Ratio	Lower	Upper
42	100		
72	42.5	34.9	52.3
71	39.5	32.6	48.8

Manual Integrations
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#30

Chloroform

Concen: 50.617 ug/l

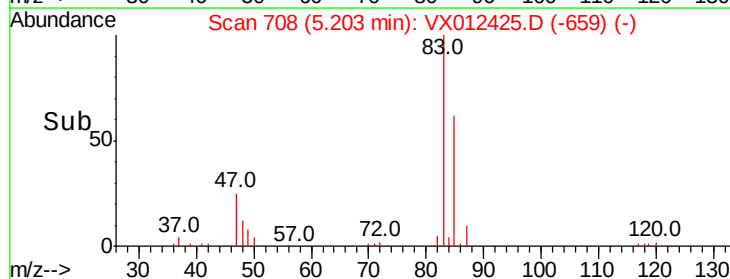
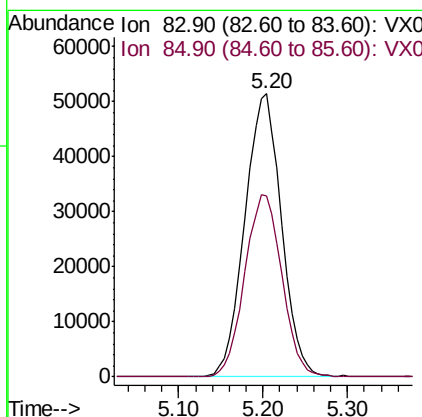
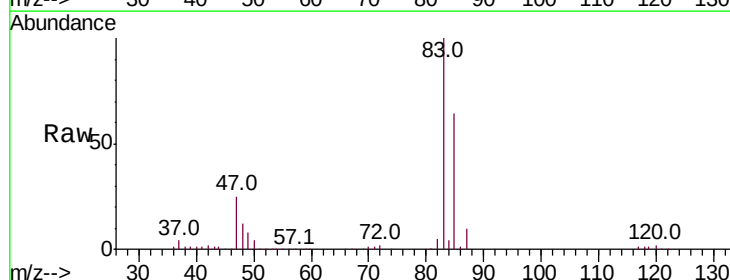
RT: 5.20 min Scan# 708

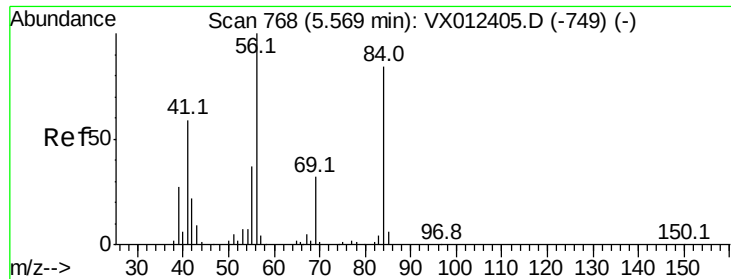
Delta R.T. 0.00 min

Lab File: VX012425.D

Acq: 16 Sep 2019 22:59

Tgt Ion:	83	Resp:	152055
Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.9	77.9





#31

Cyclohexane

Concen: 53.987 ug/l

RT: 5.57 min Scan# 768

Delta R.T. -0.00 min

Lab File: VX012425.D

Acq: 16 Sep 2019 22:59

Instrument :

MSVOA_X

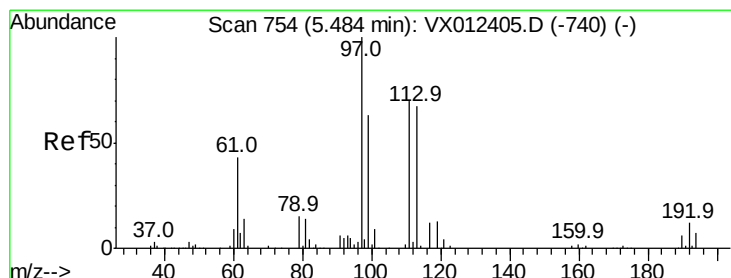
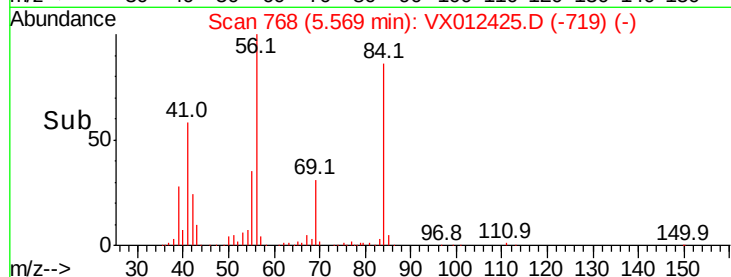
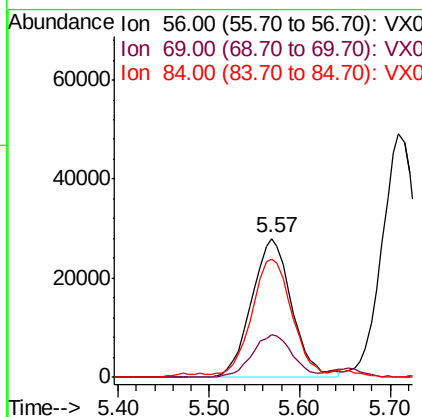
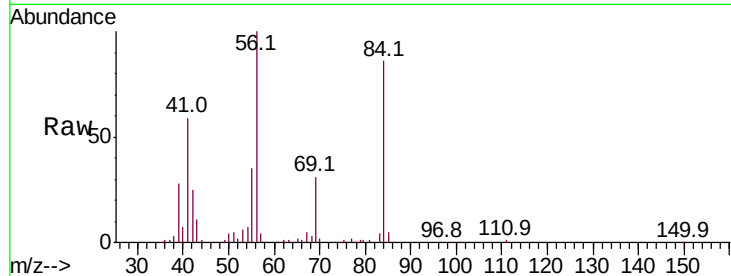
ClientSampleId :

S13-0281MSD

Tot Ion:	56	Resp:	85450
Ion	Ratio	Lower	Upper
56	100		
69	31.2	24.9	37.3
84	83.2	67.2	100.8

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 53.165 ug/l

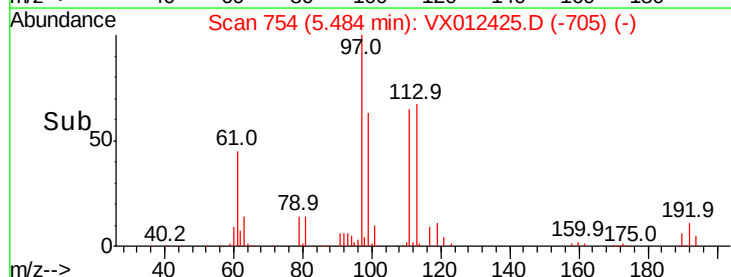
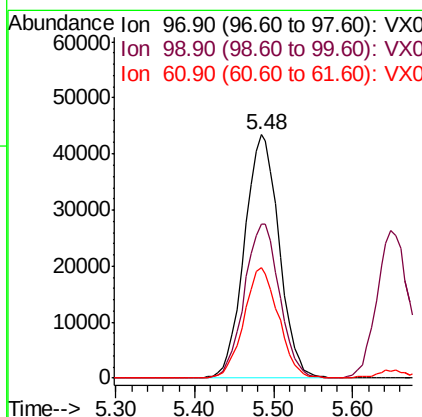
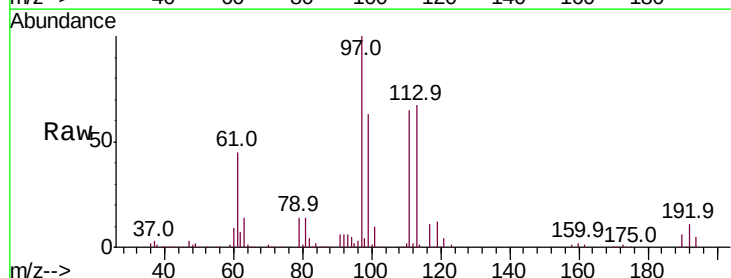
RT: 5.48 min Scan# 754

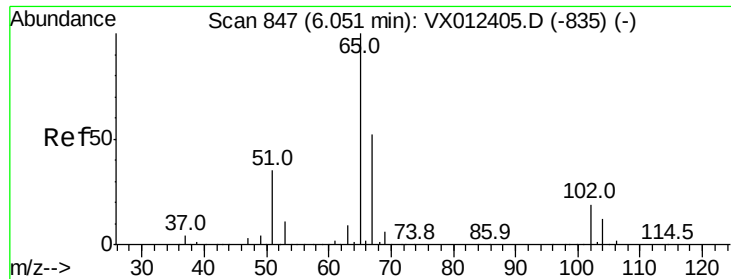
Delta R.T. -0.00 min

Lab File: VX012425.D

Acq: 16 Sep 2019 22:59

Tgt Ion:	97	Resp:	132669
Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.7	77.5
61	45.3	35.7	53.5





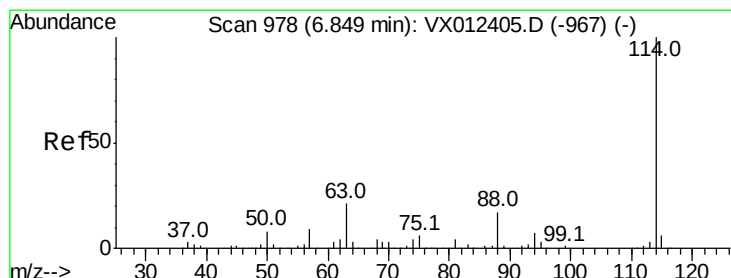
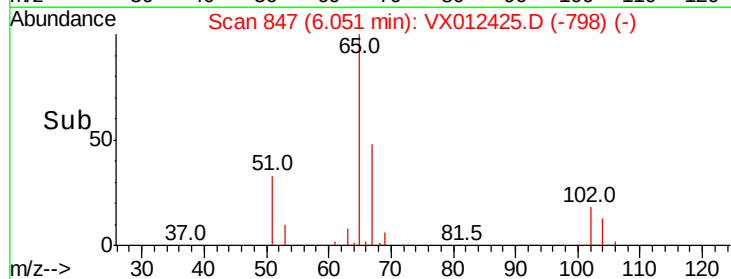
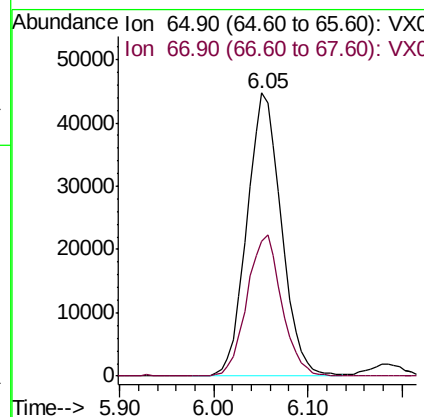
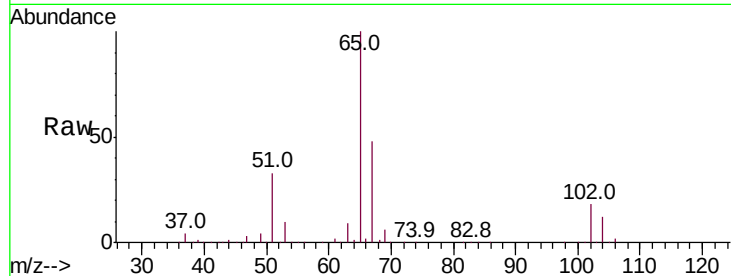
#33
 1,2-Dichloroethane-d4
 Concen: 49.733 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX012425.D
 Acq: 16 Sep 2019 22:59

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0281MSD

Tot Ion	Ratio	Resp	Lower	Upper
65	100	114575		
67	50.4	0.0	102.8	

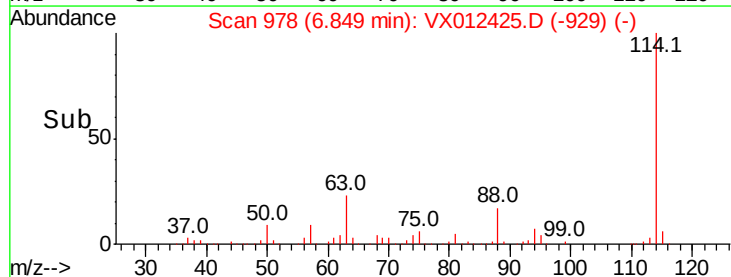
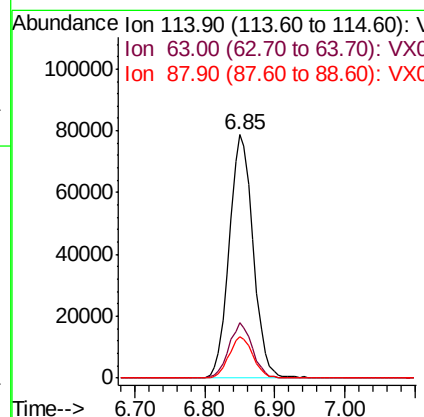
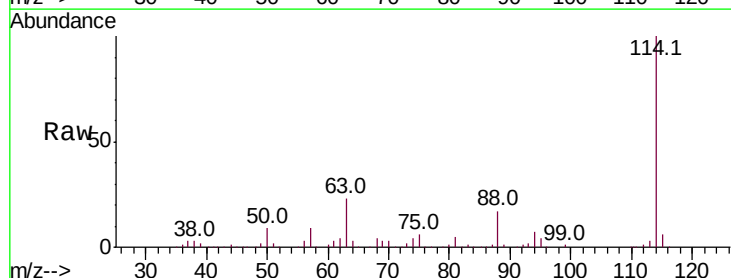
Manual Integrations
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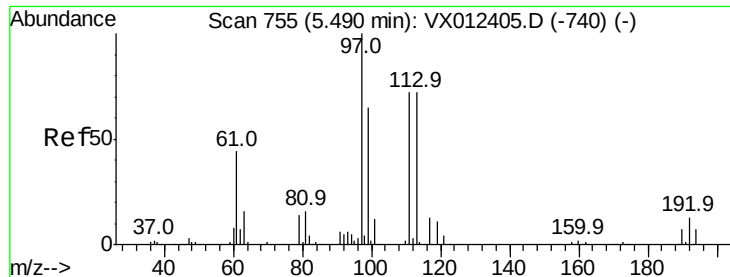
MMDadoda
 9/18/2019 12:14:35 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012425.D
 Acq: 16 Sep 2019 22:59

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	187114		
63	22.8	0.0	42.4	
88	17.1	0.0	33.4	





#35

Dibromofluoromethane

Concen: 45.679 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012425.D

Acq: 16 Sep 2019 22:59

Instrument :

MSVOA_X

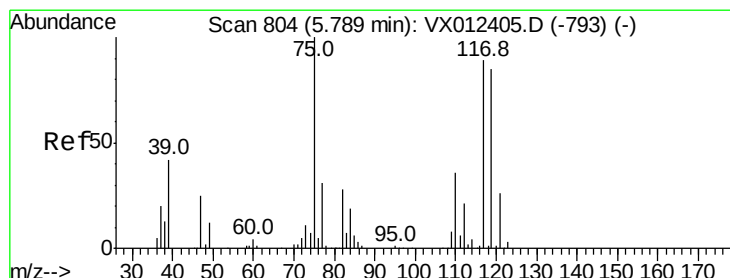
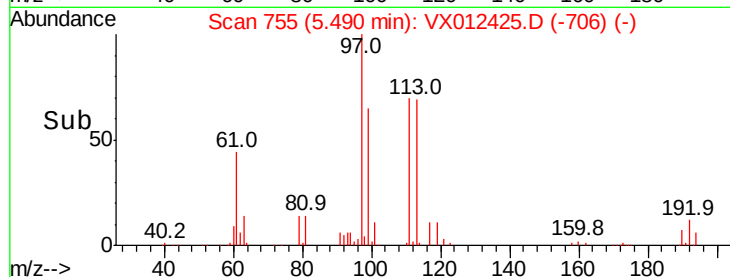
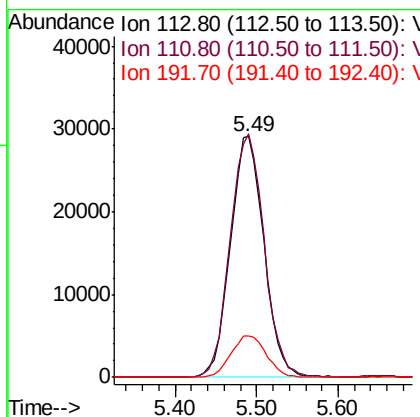
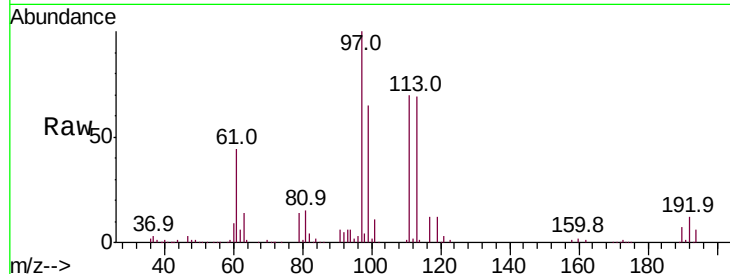
ClientSampleId :

S13-0281MSD

Tot Ion:	113	Resp:	82795
Ion Ratio	Lower	Upper	
113	100		
111	102.2	81.8	122.6
192	18.1	15.0	22.4

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 49.014 ug/l

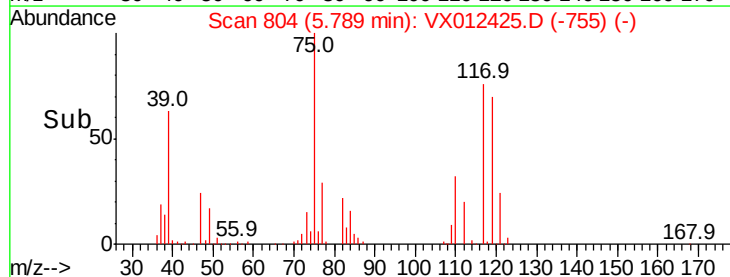
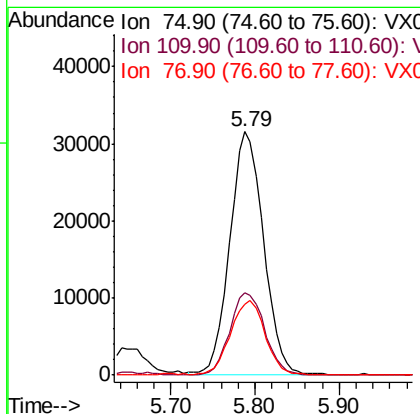
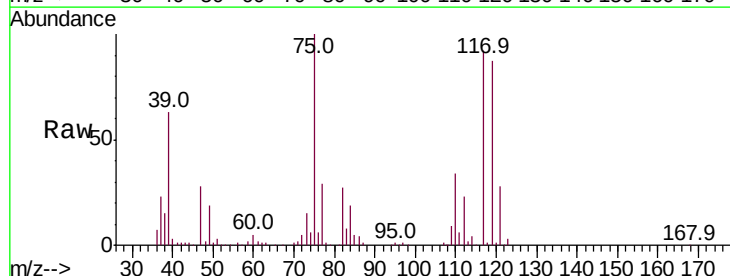
RT: 5.79 min Scan# 804

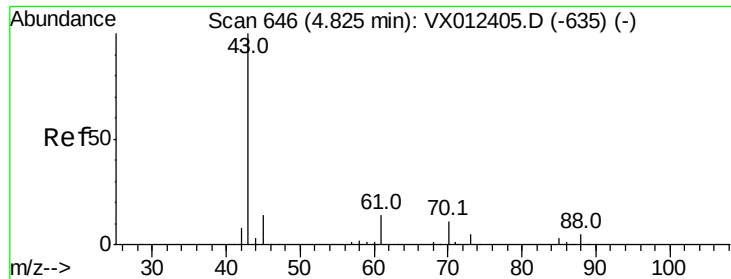
Delta R.T. -0.00 min

Lab File: VX012425.D

Acq: 16 Sep 2019 22:59

Tgt Ion:	75	Resp:	84749
Ion Ratio	Lower	Upper	
75	100		
110	35.3	17.4	52.2
77	31.1	24.8	37.2





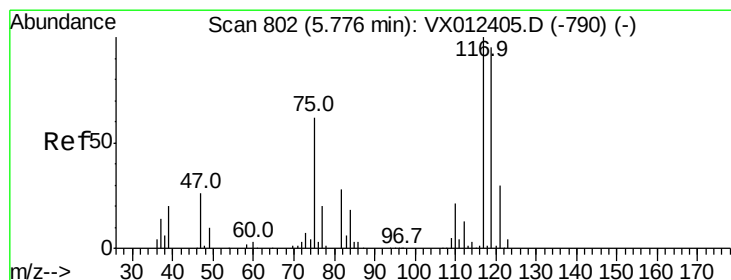
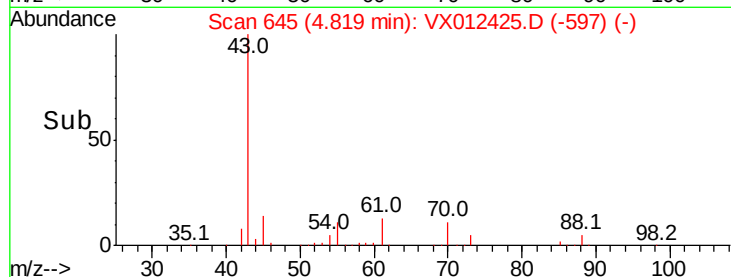
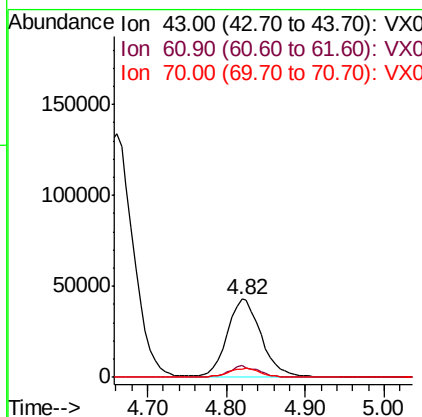
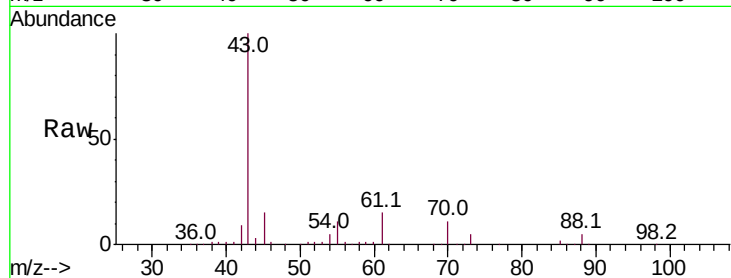
#37
Ethyl Acetate
Concen: 48.056 ug/l
RT: 4.82 min Scan# 645
Delta R.T. -0.01 min
Lab File: VX012425.D
Acq: 16 Sep 2019 22:59

Instrument :
MSVOA_X
ClientSampleId :
S13-0281MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	11.2	16.8
70	11.3	9.0	13.6

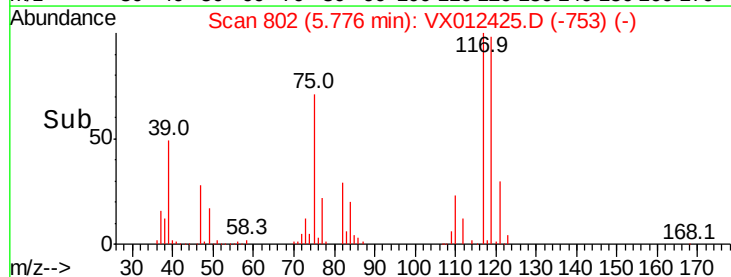
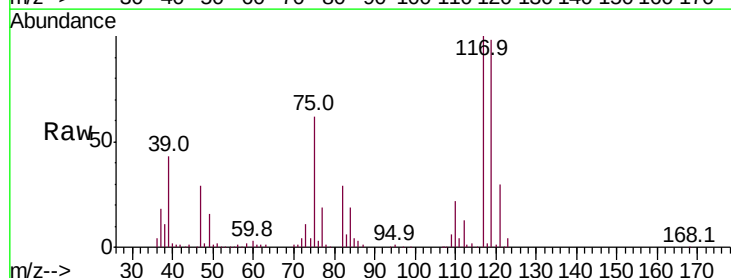
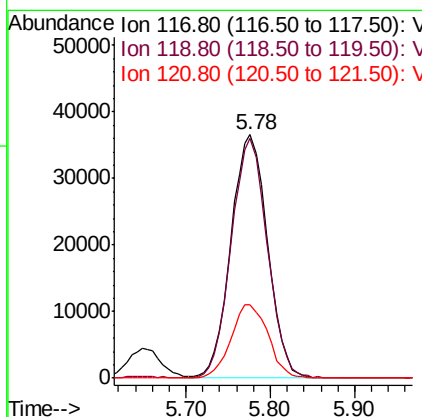
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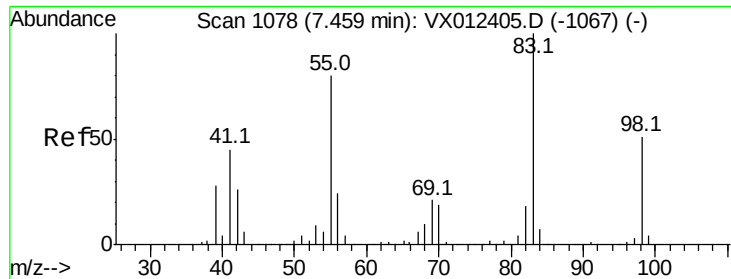
MMDadoda
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#38
Carbon Tetrachloride
Concen: 51.155 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.00 min
Lab File: VX012425.D
Acq: 16 Sep 2019 22:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.4	75.8	113.8
121	30.0	23.8	35.6





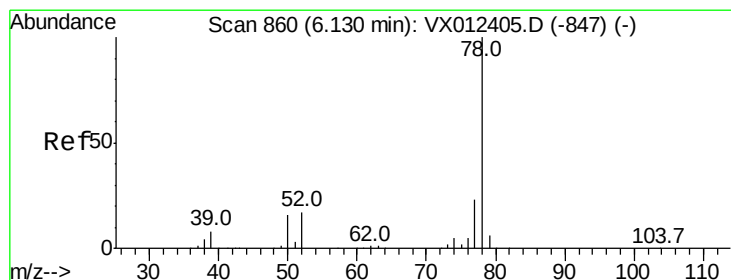
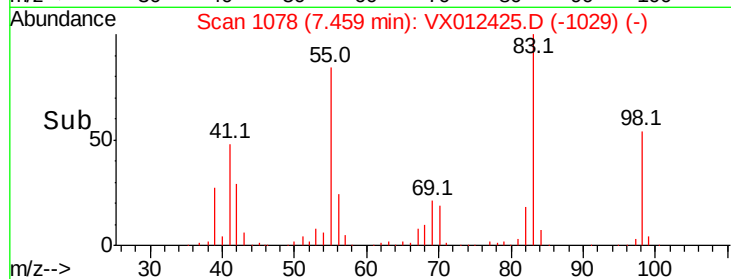
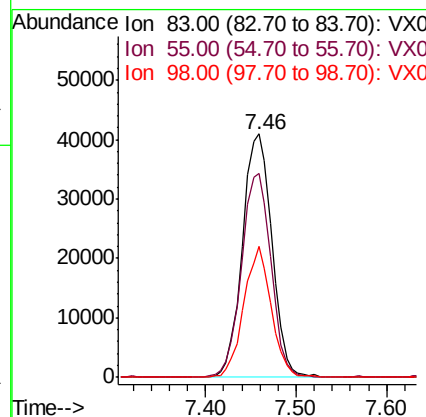
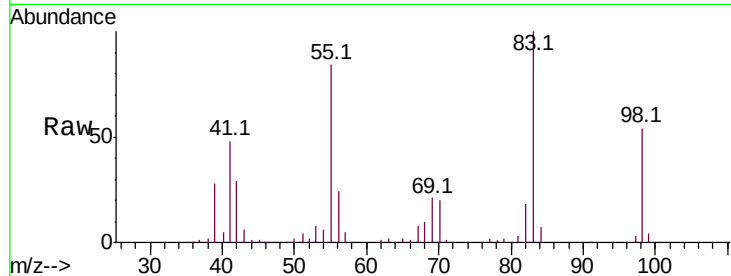
#39
Methylvlcyclohexane
Concen: 55.635 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VX012425.D
Acq: 16 Sep 2019 22:59

Instrument :
MSVOA_X
ClientSampled :
S13-0281MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.4	63.8	95.6
98	53.7	40.6	61.0

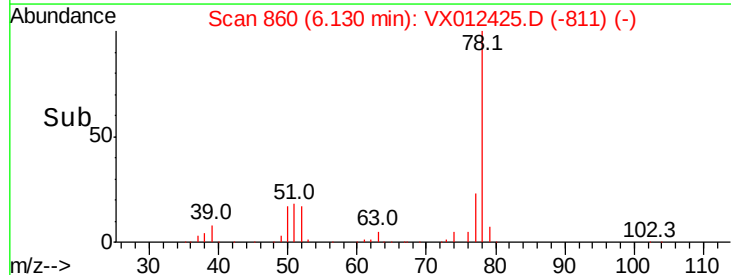
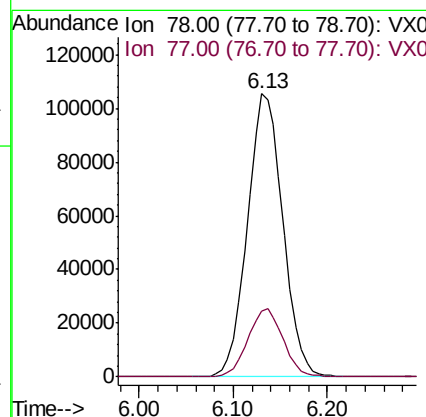
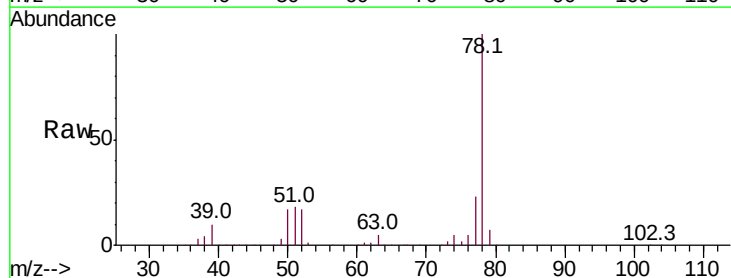
Manual Integrations
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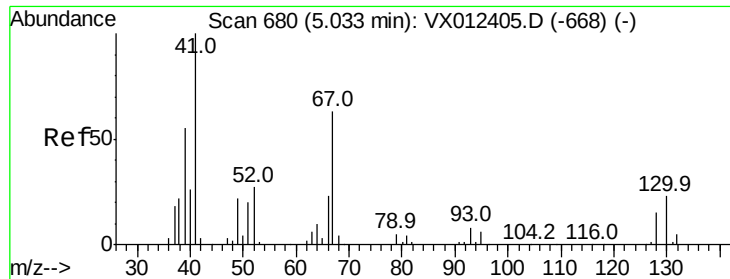
MMDadoda
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#40
Benzene
Concen: 52.193 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX012425.D
Acq: 16 Sep 2019 22:59

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.2	27.2





#41

Methacrylonitrile

Concen: 53.552 ug/l

RT: 5.03 min Scan# 680

Delta R.T. 0.00 min

Lab File: VX012425.D

Acq: 16 Sep 2019 22:59

Instrument :

MSVOA_X

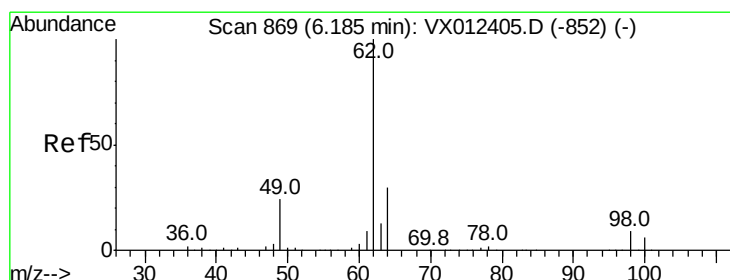
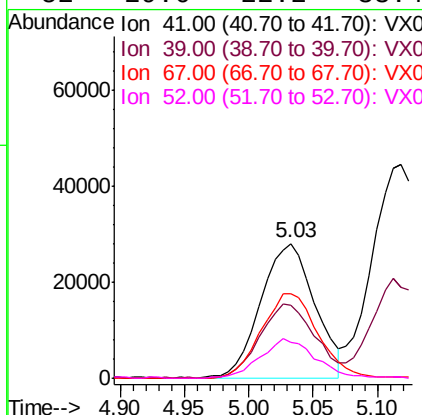
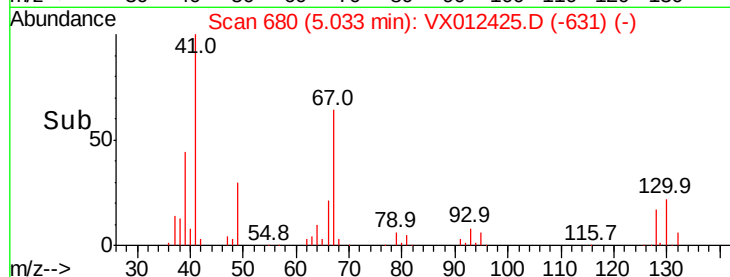
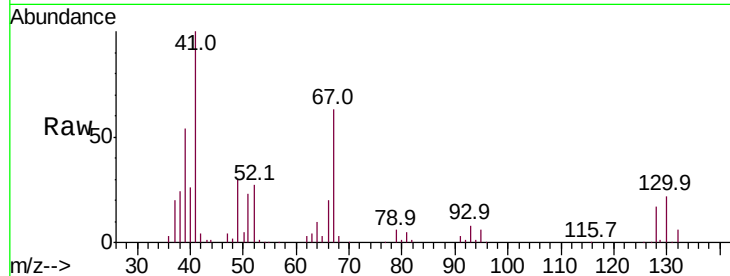
ClientSampleId :

S13-0281MSD

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.4	44.4	66.6	
67	66.7	53.8	80.8	
52	29.6	22.2	33.4	

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 51.825 ug/l

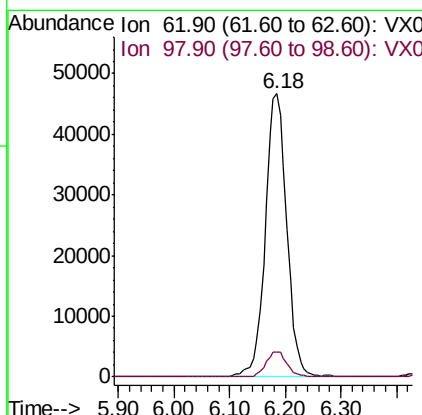
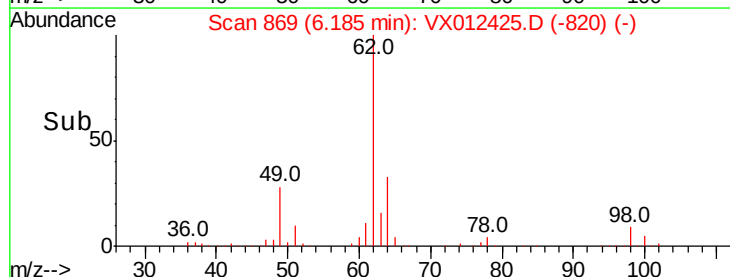
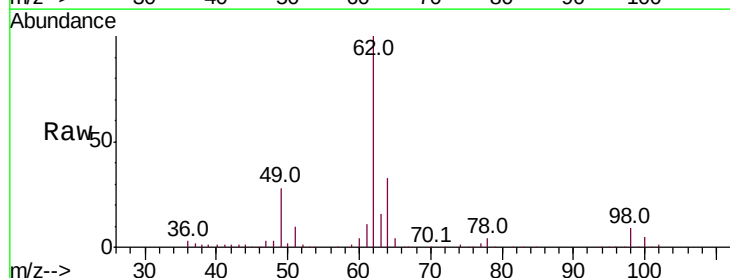
RT: 6.18 min Scan# 869

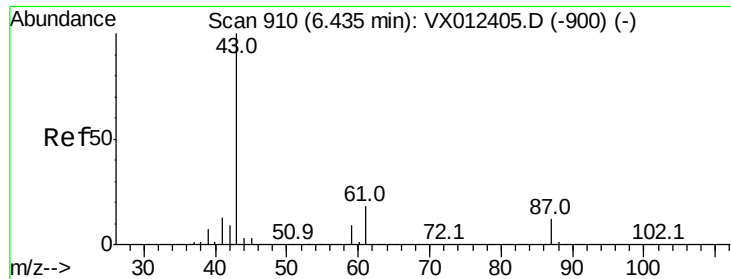
Delta R.T. 0.00 min

Lab File: VX012425.D

Acq: 16 Sep 2019 22:59

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.7	0.0	17.8	





#43

Isopropyl Acetate

Concen: 50.181 ug/l

RT: 6.43 min Scan# 910

Delta R.T. 0.00 min

Lab File: VX012425.D

Acq: 16 Sep 2019 22:59

Instrument :

MSVOA_X

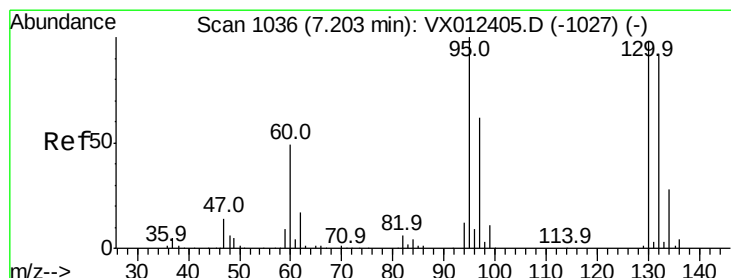
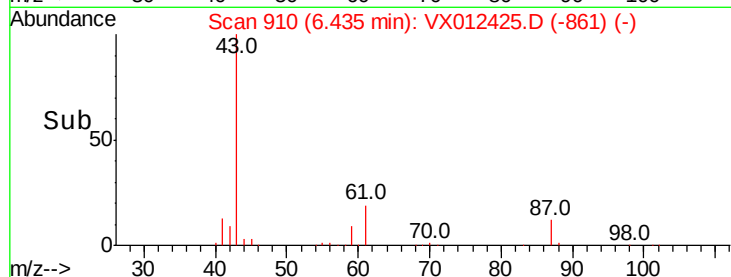
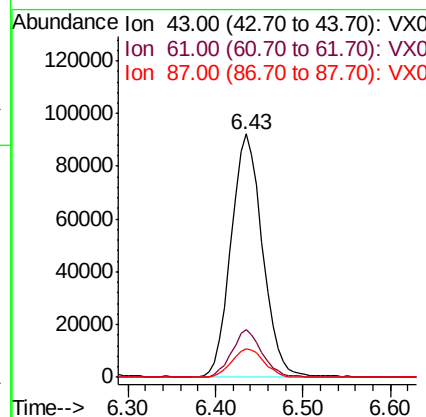
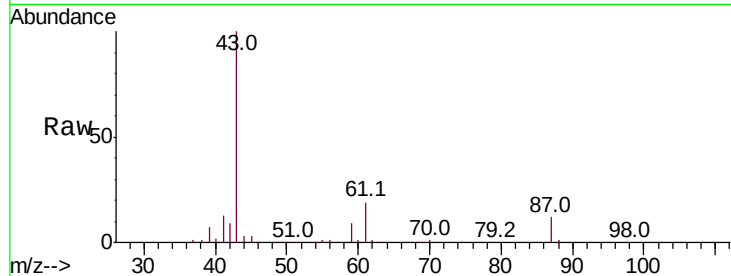
ClientSampleId :

S13-0281MSD

Tot Ion:	43	Resp:	229216
Ion	Ratio	Lower	Upper
43	100		
61	18.9	15.5	23.3
87	12.4	10.0	15.0

Manual Integrations
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#44

Trichloroethene

Concen: 50.000 ug/l

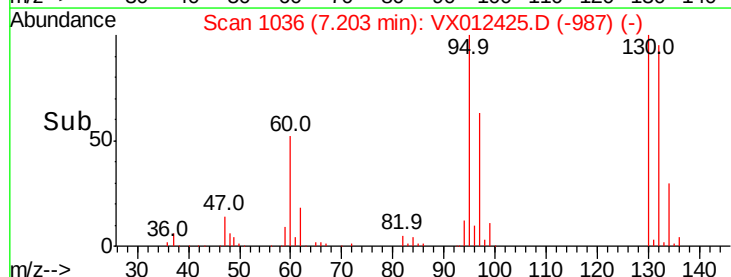
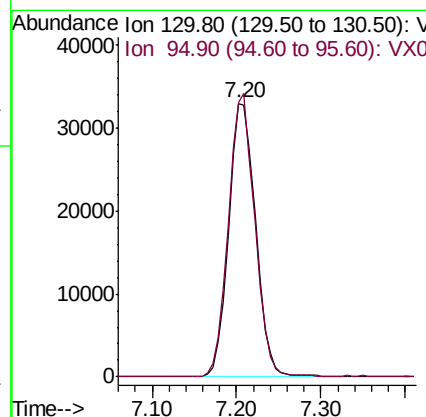
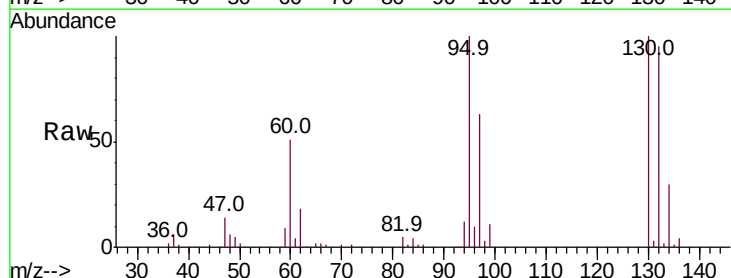
RT: 7.20 min Scan# 1036

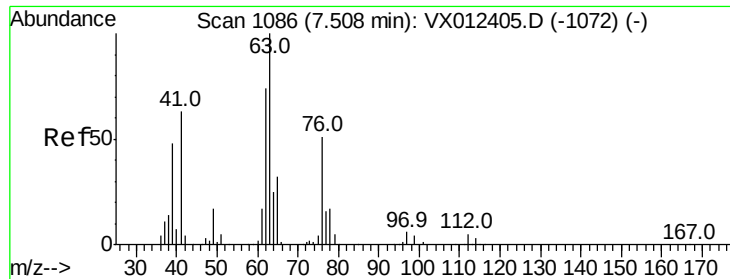
Delta R.T. -0.00 min

Lab File: VX012425.D

Acq: 16 Sep 2019 22:59

Tgt Ion:	130	Resp:	71551
Ion	Ratio	Lower	Upper
130	100		
95	100.4	0.0	203.2





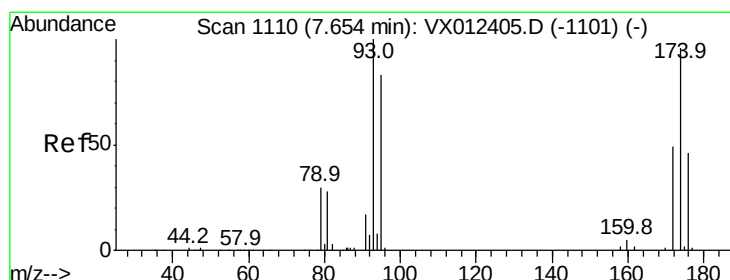
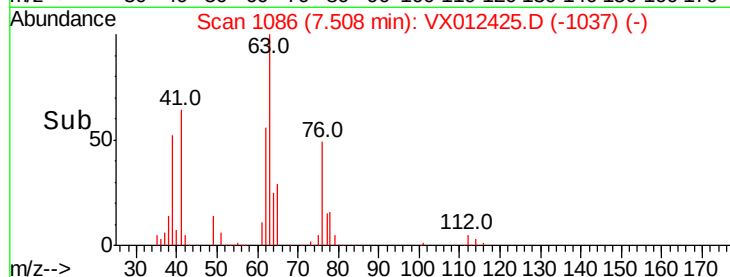
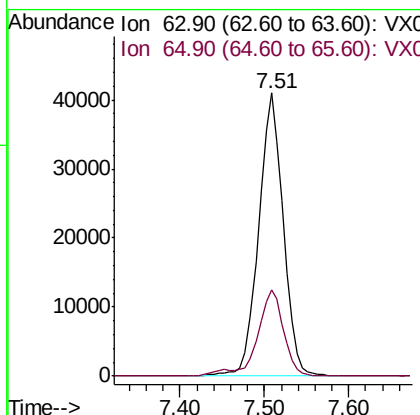
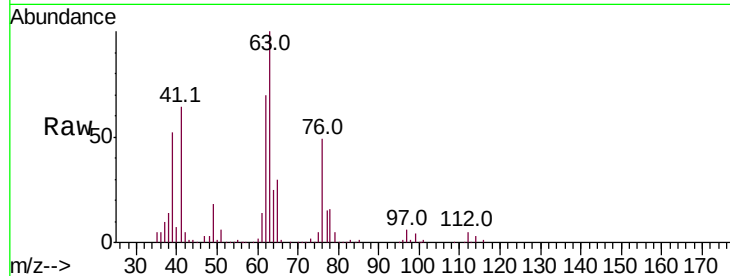
#45
 1,2-Dichloropropane
 Concen: 50.490 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX012425.D
 Acq: 16 Sep 2019 22:59

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0281MSD

Tot Ion: 63 Resp: 82213
 Ion Ratio Lower Upper
 63 100
 65 30.4 25.6 38.4

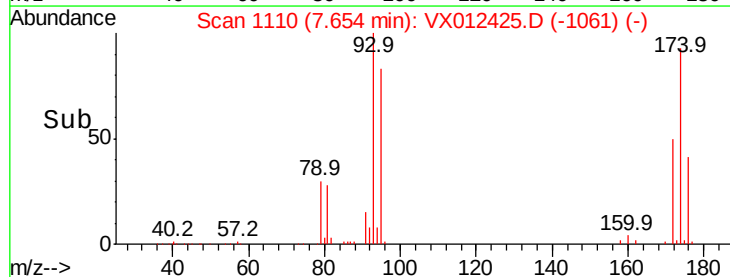
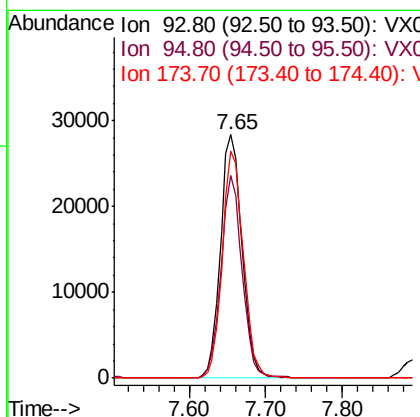
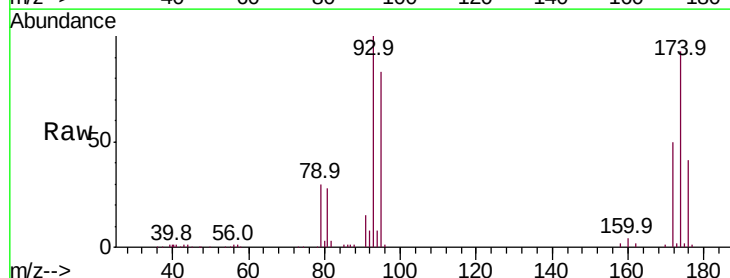
Manual Integrations
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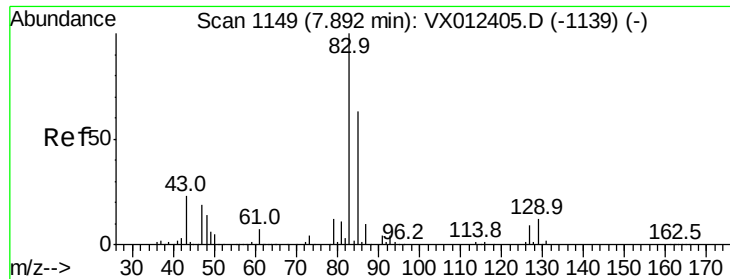
MMDadoda
 9/18/2019 12:14:35 PM



#46
 Dibromomethane
 Concen: 50.996 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX012425.D
 Acq: 16 Sep 2019 22:59

Tgt Ion: 93 Resp: 55396
 Ion Ratio Lower Upper
 93 100
 95 80.9 66.2 99.2
 174 90.9 78.6 118.0





#47

Bromodichloromethane

Concen: 51.437 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX012425.D

Acq: 16 Sep 2019 22:59

Instrument :

MSVOA_X

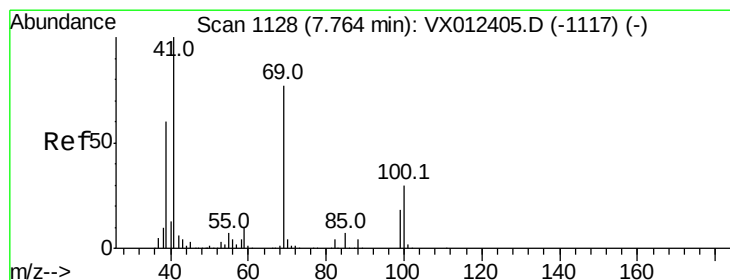
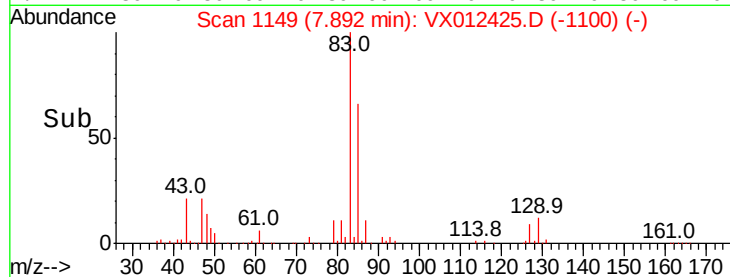
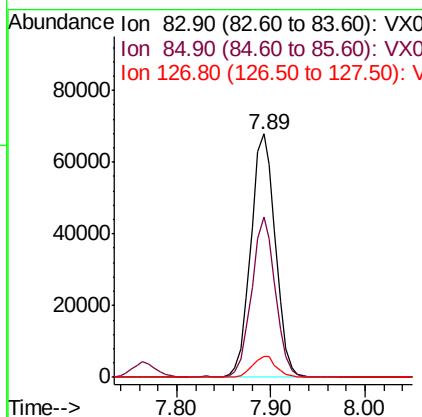
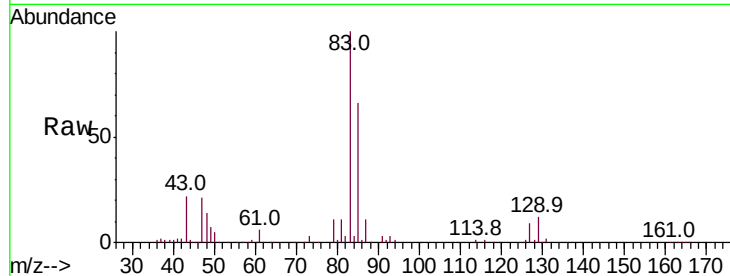
ClientSampleId :

S13-0281MSD

Tot Ion:	83	Resp:	124743
Ion Ratio	Lower	Upper	
83	100		
85	65.8	50.2	75.4
127	8.6	6.9	10.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 49.696 ug/l

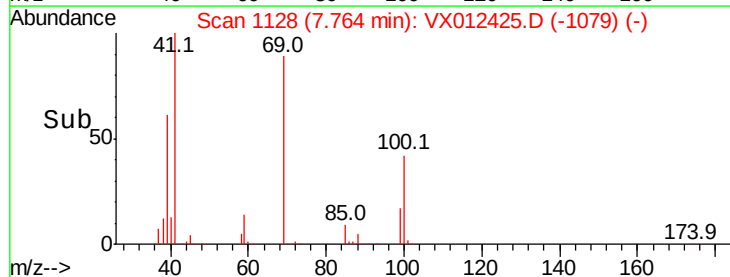
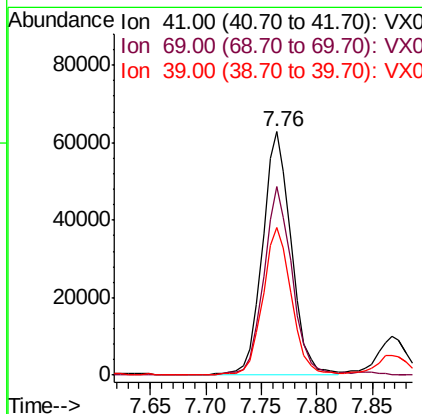
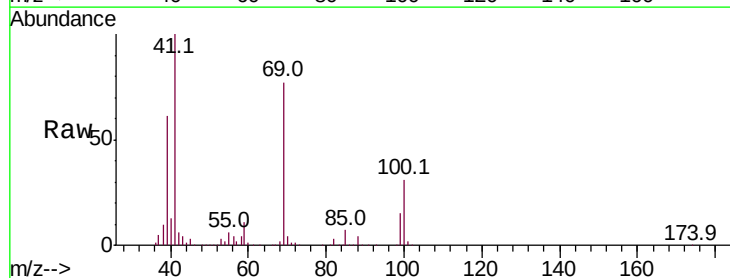
RT: 7.76 min Scan# 1128

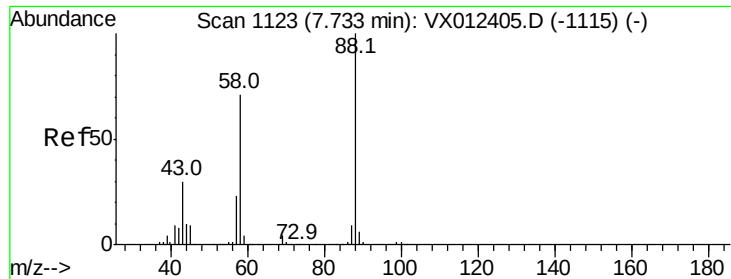
Delta R.T. 0.00 min

Lab File: VX012425.D

Acq: 16 Sep 2019 22:59

Tgt Ion:	41	Resp:	112569
Ion Ratio	Lower	Upper	
41	100		
69	77.1	61.6	92.4
39	60.5	47.6	71.4





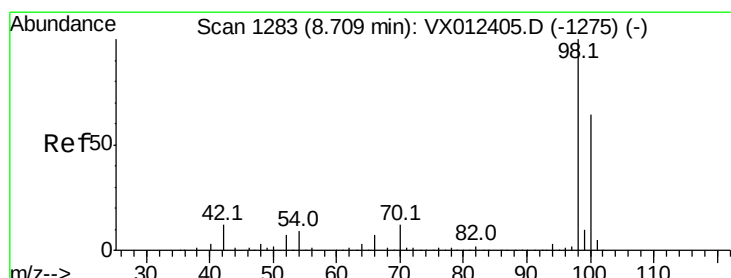
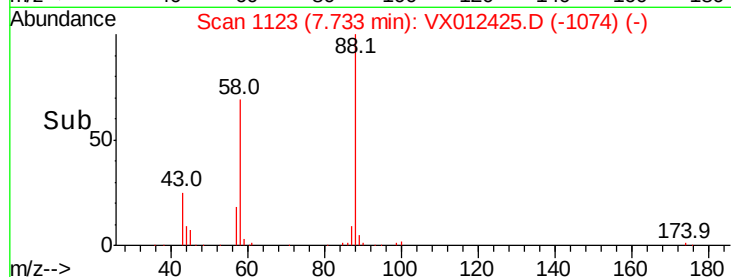
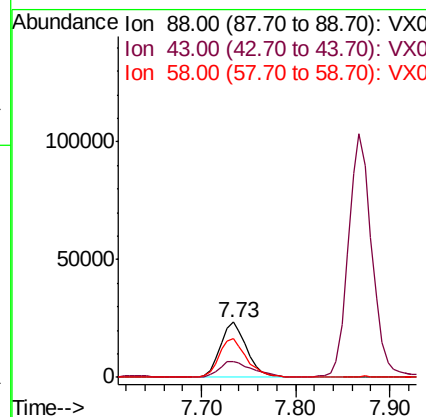
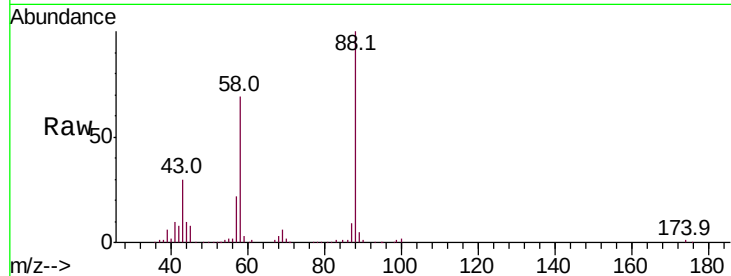
#49
1,4-Dioxane
Concen: 880.634 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX012425.D
Acq: 16 Sep 2019 22:59

Instrument :
MSVOA_X
ClientSampleId :
S13-0281MSD

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	35.4	26.6	39.8	
58	73.1	57.1	85.7	

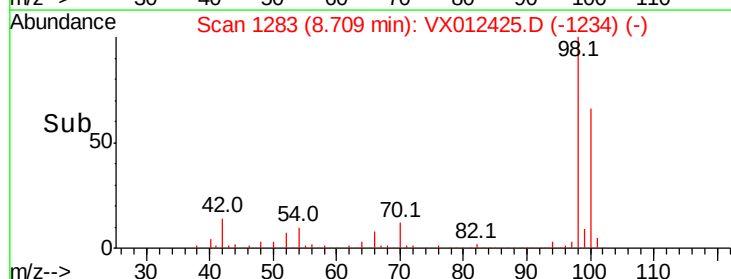
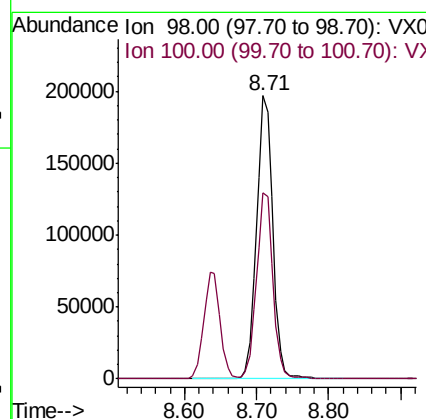
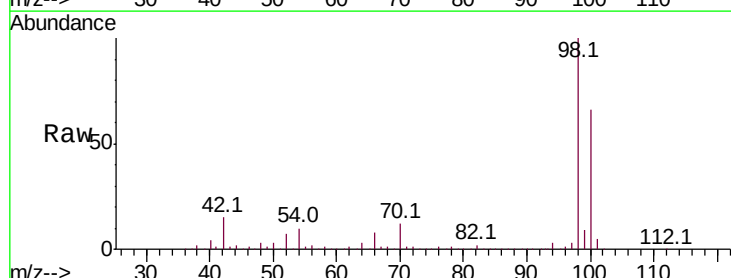
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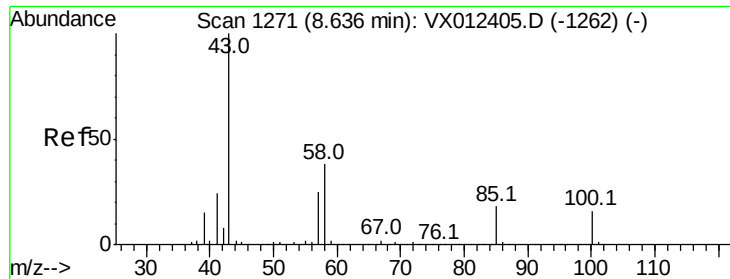
MMDadoda
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#50
Toluene-d8
Concen: 48.169 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012425.D
Acq: 16 Sep 2019 22:59

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	66.3	54.4	81.6	





#51

4-Methyl-2-Pentanone

Concen: 260.648 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX012425.D

Acq: 16 Sep 2019 22:59

Instrument :

MSVOA_X

ClientSampleId :

S13-0281MSD

Tot Ion: 43 Resp: 771460

Ion Ratio Lower Upper

43 100

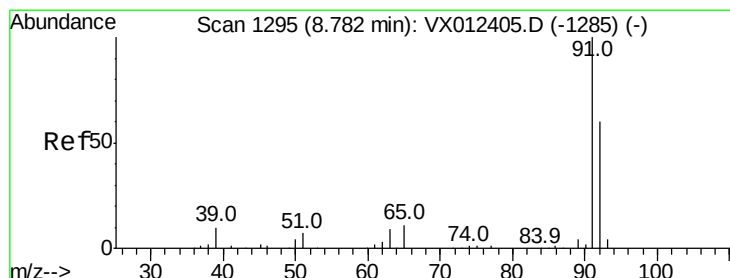
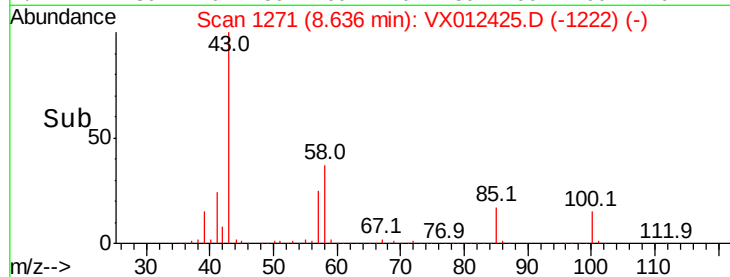
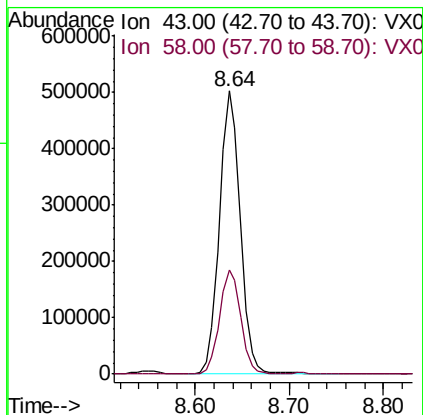
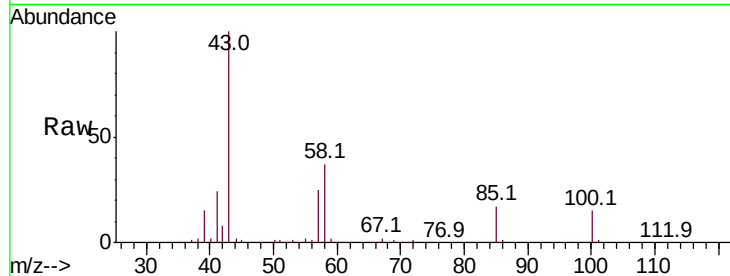
58 37.3 30.2 45.4

Manual Integrations

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#52

Toluene

Concen: 52.091 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VX012425.D

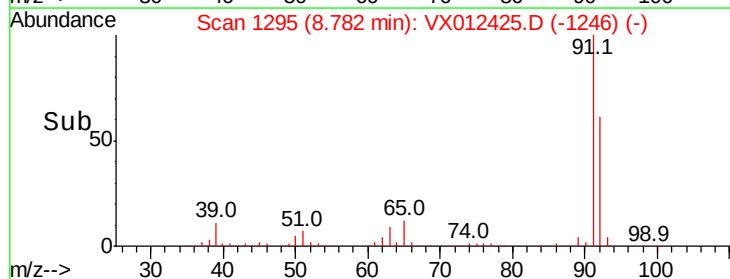
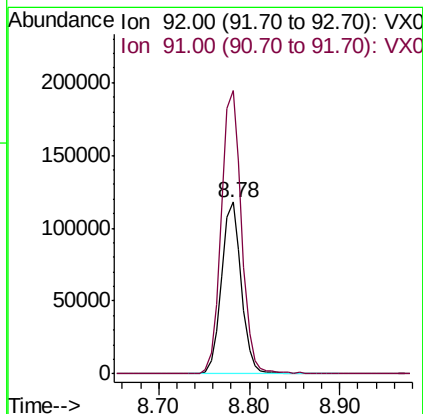
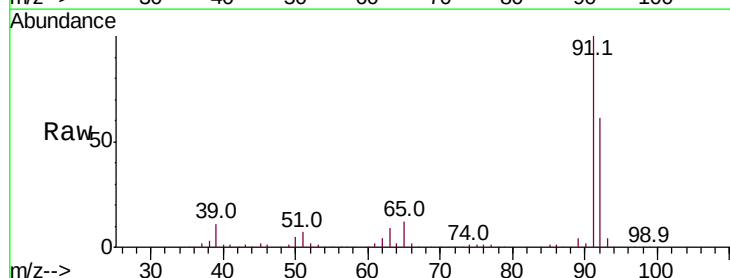
Acq: 16 Sep 2019 22:59

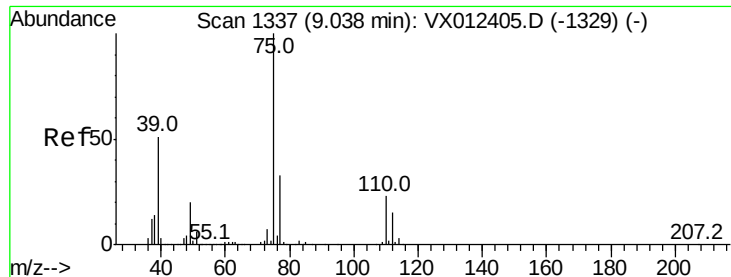
Tgt Ion: 92 Resp: 180669

Ion Ratio Lower Upper

92 100

91 168.0 133.3 199.9





#53

t-1,3-Dichloropropene

Concen: 51.511 ug/l

RT: 9.04 min Scan# 1337

Delta R.T. -0.00 min

Lab File: VX012425.D

Acq: 16 Sep 2019 22:59

Instrument :

MSVOA_X

ClientSampleId :

S13-0281MSD

Tot Ion: 75 Resp: 129552

Ion Ratio Lower Upper

75 100

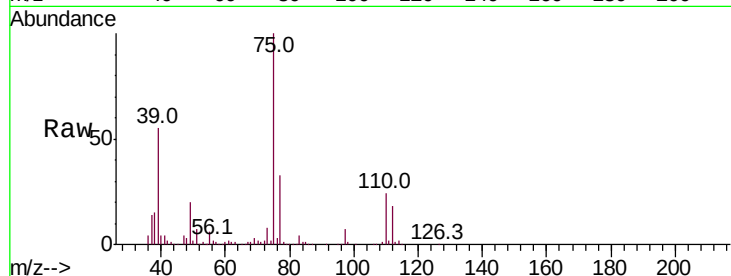
77 33.1 26.1 39.1

Manual Integrations

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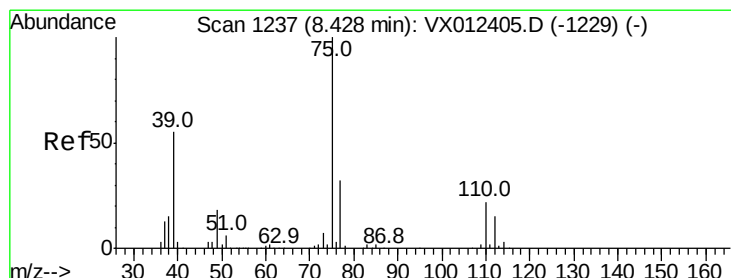
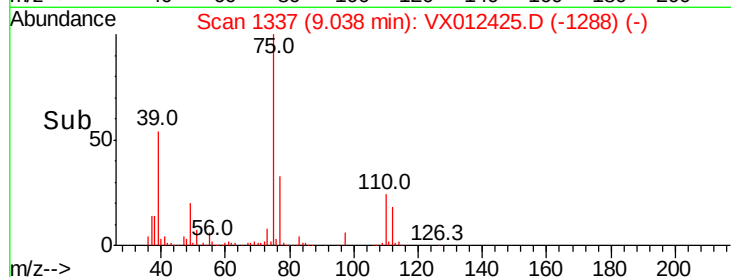
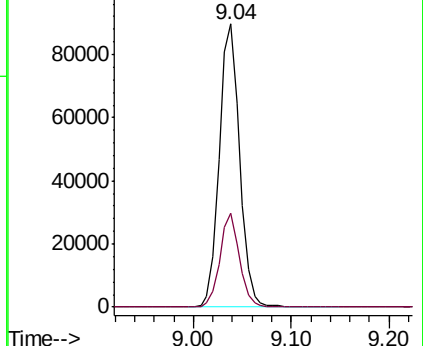
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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 51.385 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VX012425.D

Acq: 16 Sep 2019 22:59

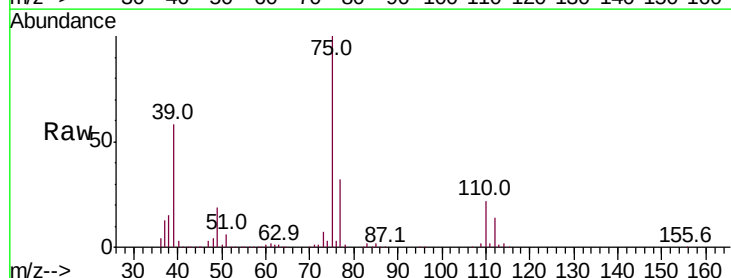
Tgt Ion: 75 Resp: 133587

Ion Ratio Lower Upper

75 100

77 31.5 25.2 37.8

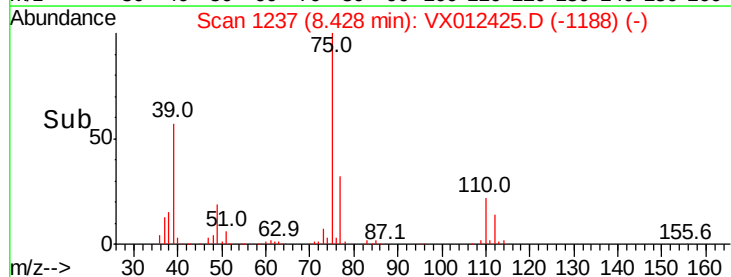
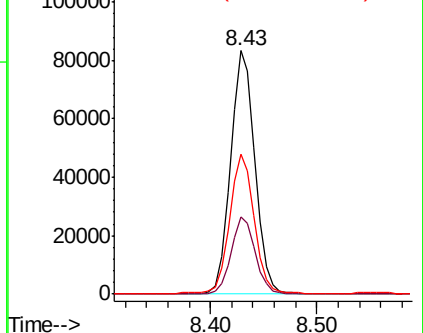
39 57.2 43.8 65.8

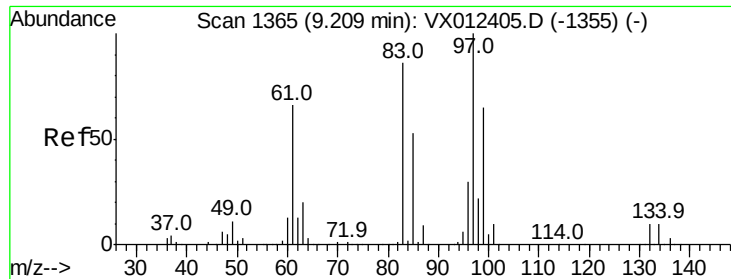


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





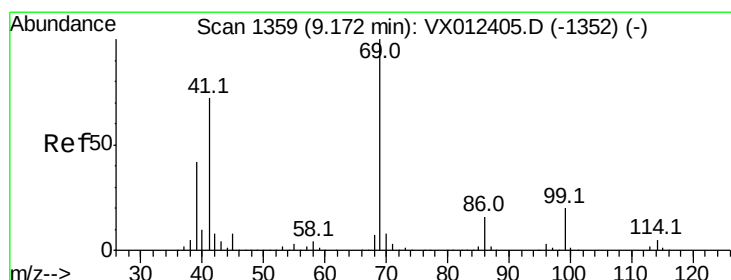
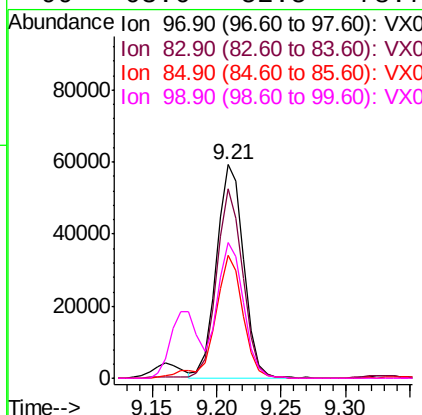
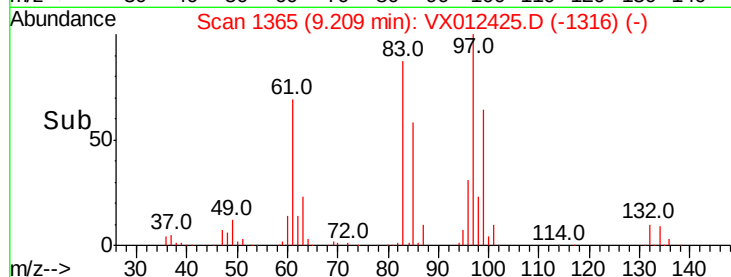
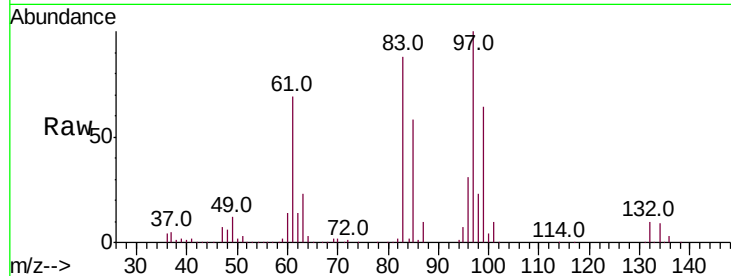
#55
 1,1,2-Trichloroethane
 Concen: 48.347 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX012425.D
 Acq: 16 Sep 2019 22:59

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0281MSD

Tot Ion	97	Resp	88109
Ion	Ratio	Lower	Upper
97	100		
83	88.4	68.5	102.7
85	57.6	42.6	64.0
99	63.6	52.5	78.7

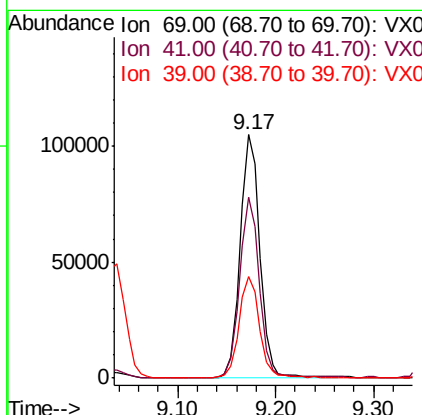
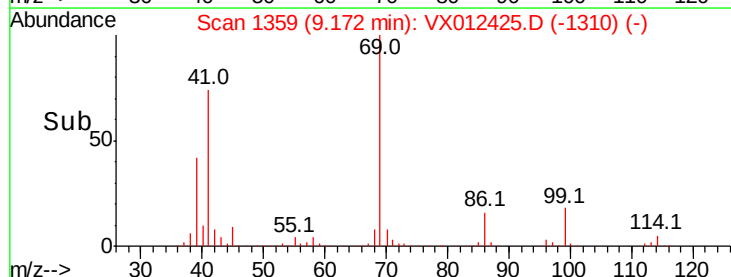
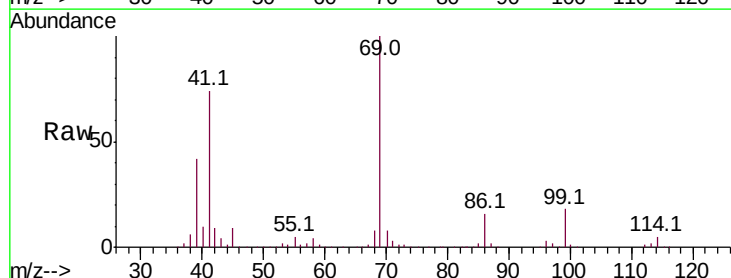
Manual Integrations
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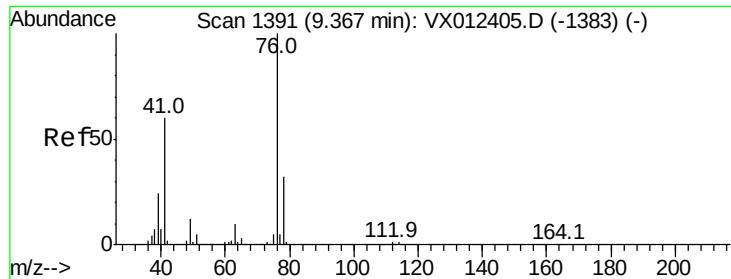
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#56
 Ethyl methacrylate
 Concen: 53.915 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX012425.D
 Acq: 16 Sep 2019 22:59

Tgt Ion	69	Resp	147828
Ion	Ratio	Lower	Upper
69	100		
41	73.4	57.0	85.6
39	42.5	32.6	49.0





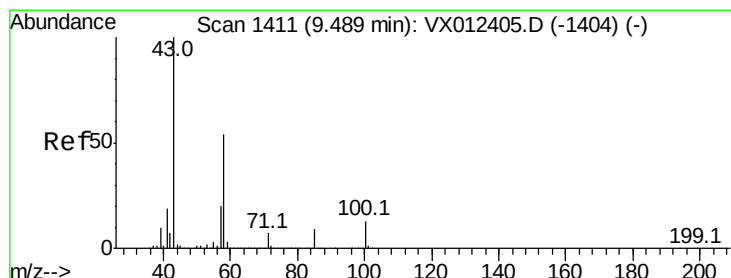
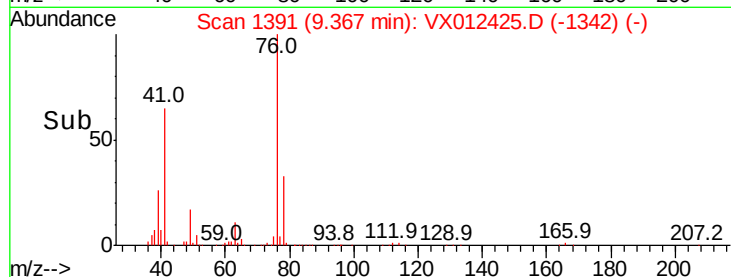
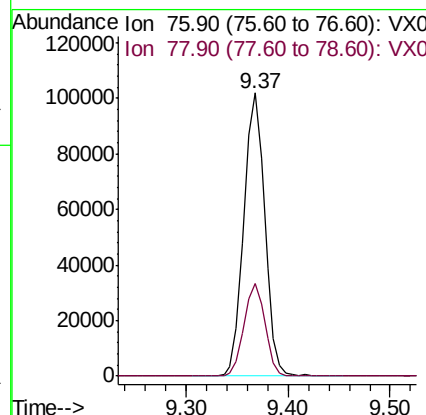
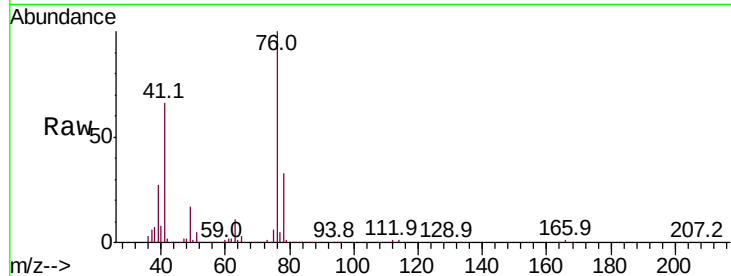
#57
 1,3-Dichloropropane
 Concen: 50.066 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VX012425.D
 Acq: 16 Sep 2019 22:59

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0281MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.8	25.9	38.9

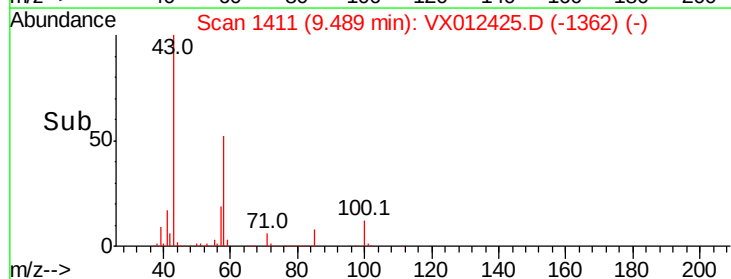
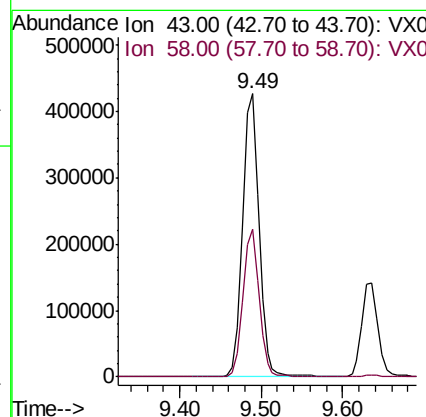
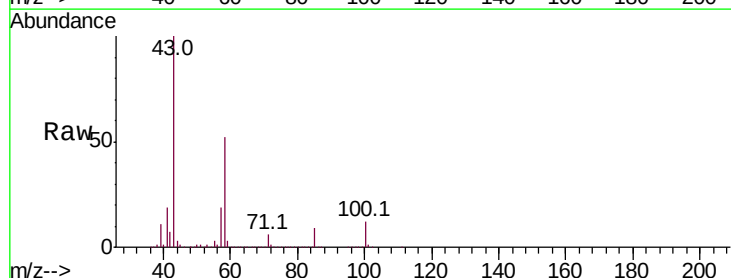
Manual Integrations
 APPROVED

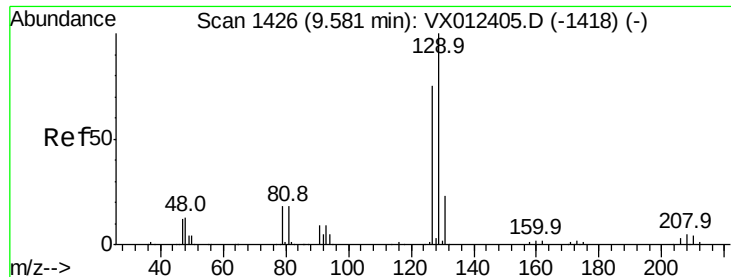
MMDadoda
 9/18/2019 12:14:35 PM



#59
 2-Hexanone
 Concen: 258.366 ug/l
 RT: 9.49 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX012425.D
 Acq: 16 Sep 2019 22:59

Tgt Ion	Ratio	Lower	Upper
43	100		
58	51.5	26.4	79.0





#60

Dibromochloromethane

Concen: 47.362 ug/l

RT: 9.58 min Scan# 1426

Delta R.T. 0.00 min

Lab File: VX012425.D

Acq: 16 Sep 2019 22:59

Instrument :

MSVOA_X

ClientSampleId :

S13-0281MSD

Tot Ion:129 Resp: 98909

Ion Ratio Lower Upper

129 100

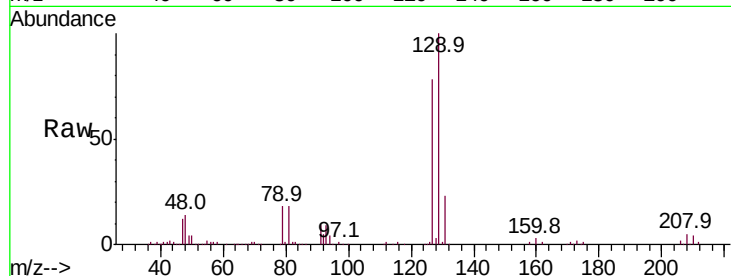
127 75.8 38.1 114.3

Manual Integrations

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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.58

80000

60000

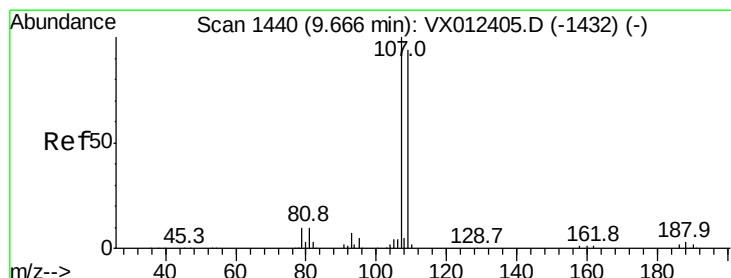
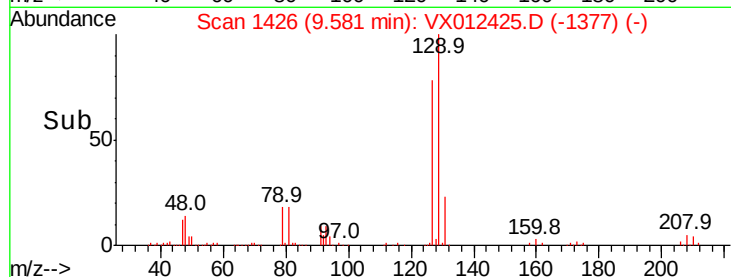
40000

20000

0

Time-->

9.50 9.55 9.60 9.65



#61

1,2-Dibromoethane

Concen: 51.246 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX012425.D

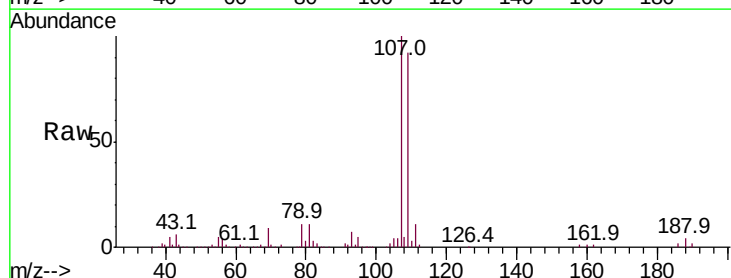
Acq: 16 Sep 2019 22:59

Tgt Ion:107 Resp: 85910

Ion Ratio Lower Upper

107 100

109 91.9 75.1 112.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

60000

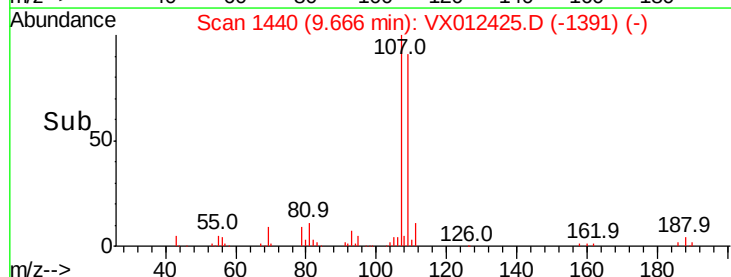
40000

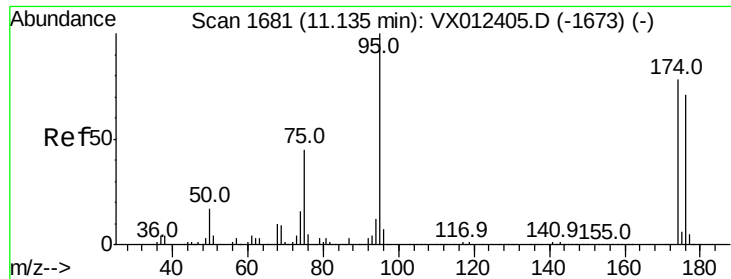
20000

0

Time-->

9.60 9.70 9.80





#62

4-Bromofluorobenzene

Concen: 46.387 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012425.D

Acq: 16 Sep 2019 22:59

Instrument :

MSVOA_X

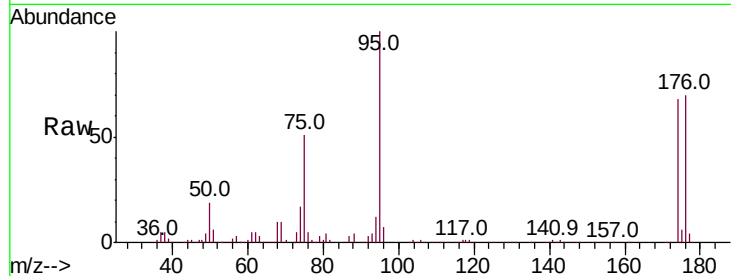
ClientSampleId :

S13-0281MSD

Tot Ion:	95	Resp:	125525
Ion Ratio	Lower	Upper	
95	100		
174	65.9	0.0	146.0
176	65.3	0.0	137.6

Manual Integrations
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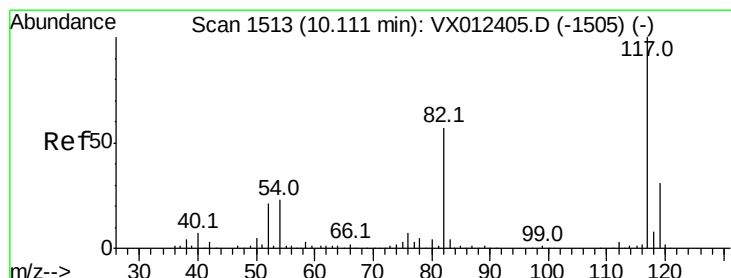
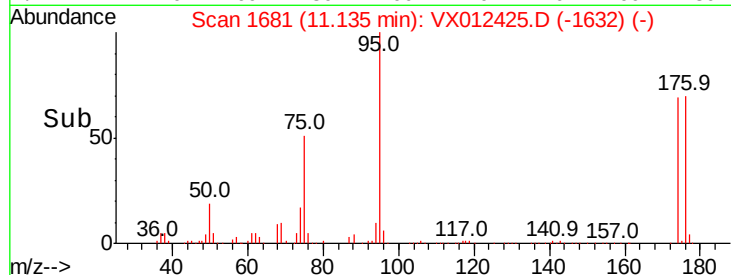
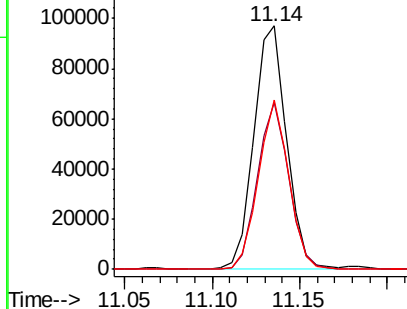
MMDadoda
9/18/2019 12:14:35 PM



Abundance Ion 94.90 (94.60 to 95.60): VX012405.D (-1673) (-)

Ion 173.80 (173.50 to 174.50): VX012405.D (-1673) (-)

Ion 175.80 (175.50 to 176.50): VX012405.D (-1673) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

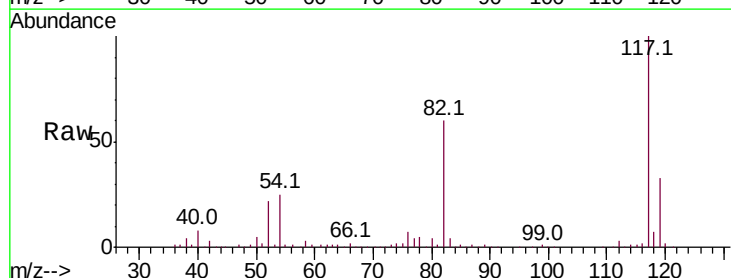
RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX012425.D

Acq: 16 Sep 2019 22:59

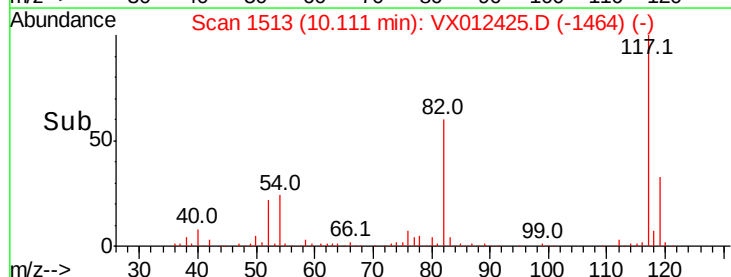
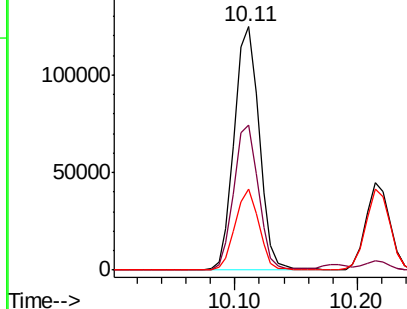
Tgt Ion:	117	Resp:	176021
Ion Ratio	Lower	Upper	
117	100		
82	59.7	45.8	68.6
119	33.3	24.9	37.3

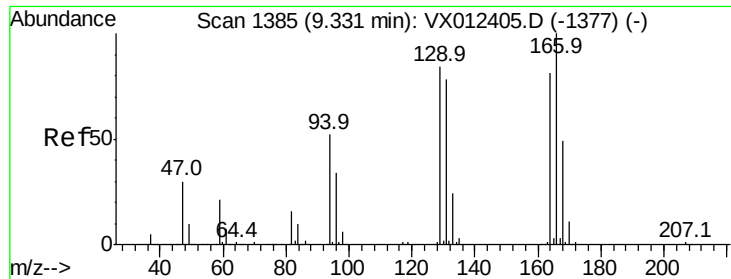


Abundance Ion 116.90 (116.60 to 117.60): VX012405.D (-1505) (-)

Ion 82.00 (81.70 to 82.70): VX012405.D (-1505) (-)

Ion 118.90 (118.60 to 119.60): VX012405.D (-1505) (-)





#64

Tetrachloroethene

Concen: 45.976 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VX012425.D

Acq: 16 Sep 2019 22:59

Instrument :

MSVOA_X

ClientSampled :

S13-0281MSD

Tot Ion:164 Resp: 53663

Ion Ratio Lower Upper

164 100

166 126.1 98.2 147.4

129 100.8 82.6 123.8

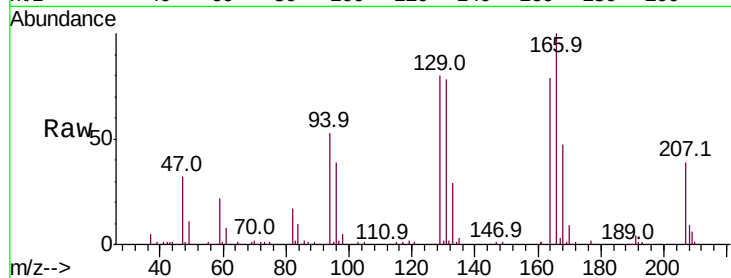
131 98.8 76.7 115.1

Manual Integrations

APPROVED

MMDadoda

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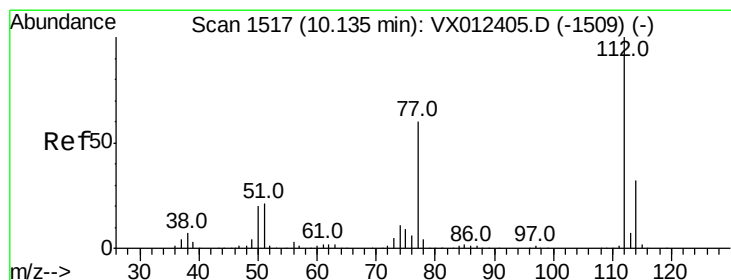
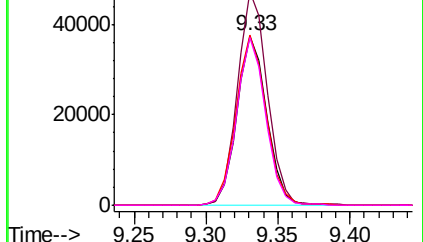
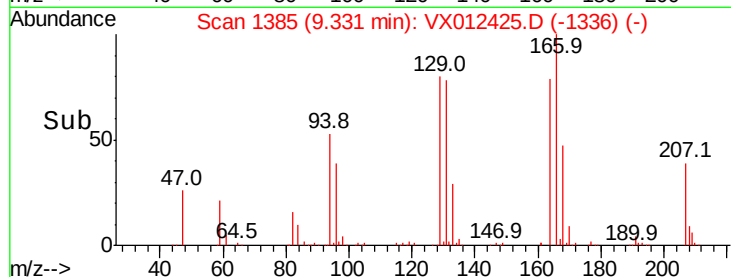


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 51.066 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. -0.00 min

Lab File: VX012425.D

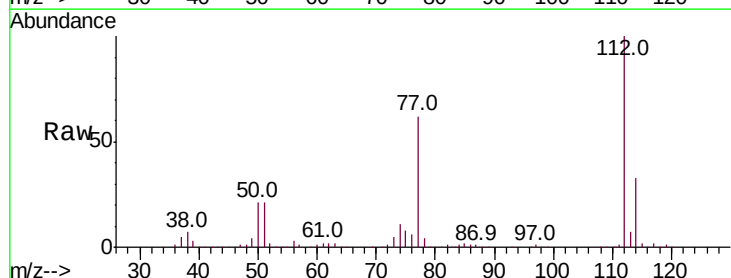
Acq: 16 Sep 2019 22:59

Tgt Ion:112 Resp: 209867

Ion Ratio Lower Upper

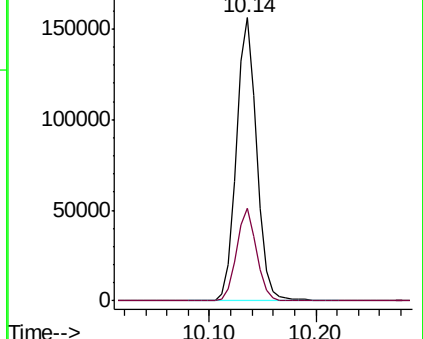
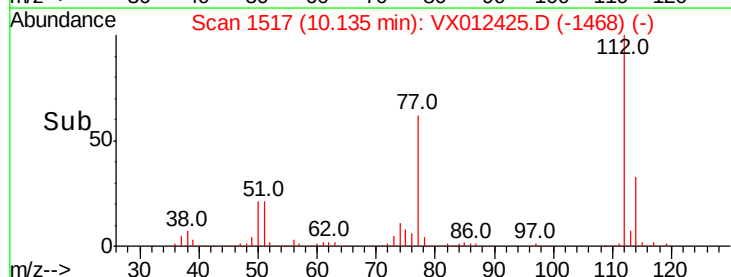
112 100

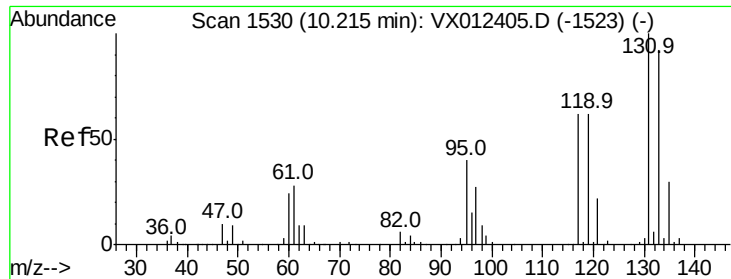
114 32.6 25.4 38.2



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





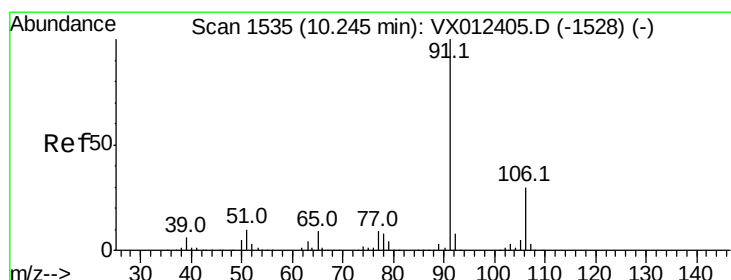
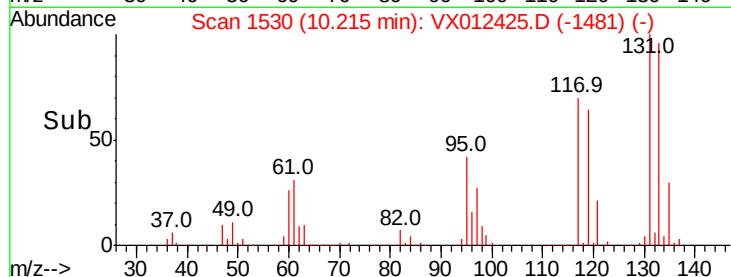
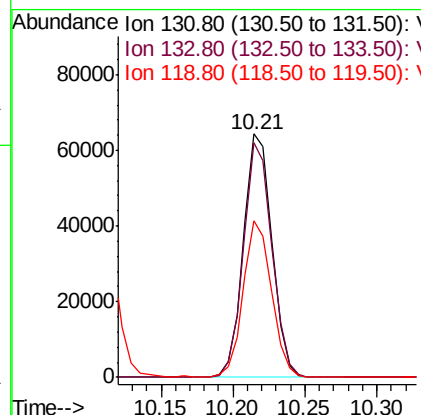
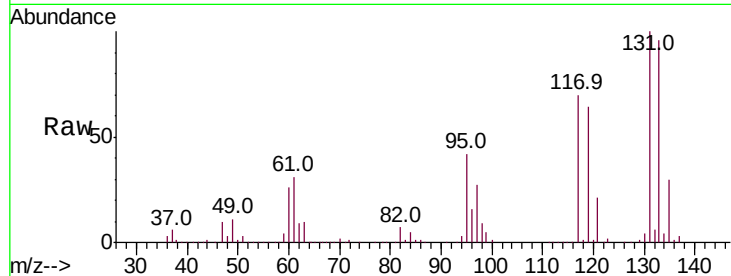
#66
 1,1,1,2-Tetrachloroethane
 Concen: 50.753 ug/l
 RT: 10.21 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VX012425.D
 Acq: 16 Sep 2019 22:59

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0281MSD

Tot Ion	Ratio	Lower	Upper
131	100		
133	96.1	48.4	145.0
119	63.9	31.6	94.7

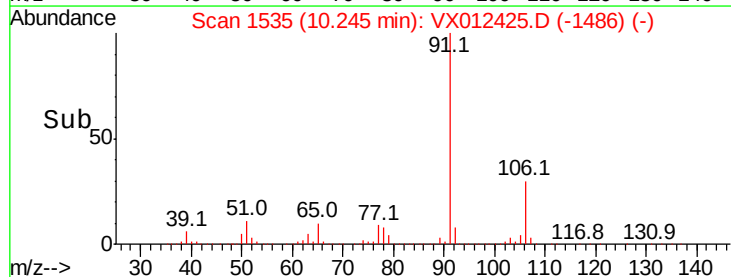
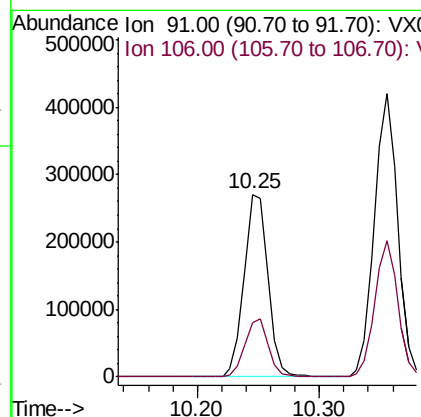
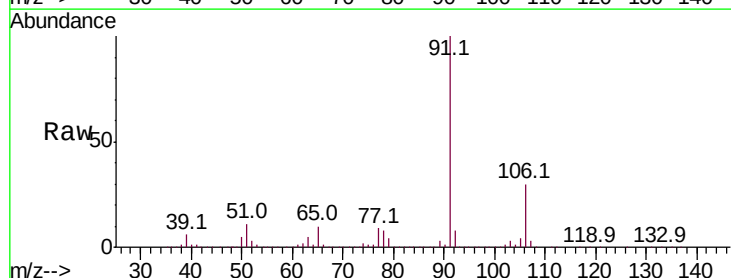
Manual Integrations
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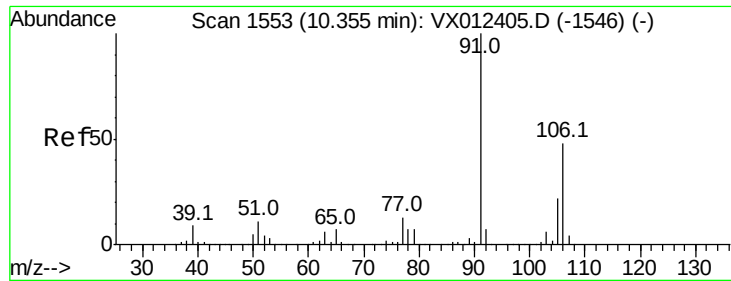
MMDadoda
 9/18/2019 12:14:35 PM



#67
 Ethyl Benzene
 Concen: 52.329 ug/l
 RT: 10.25 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VX012425.D
 Acq: 16 Sep 2019 22:59

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.0	24.0	36.0





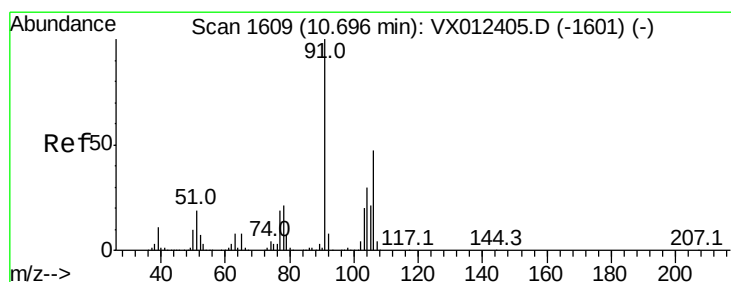
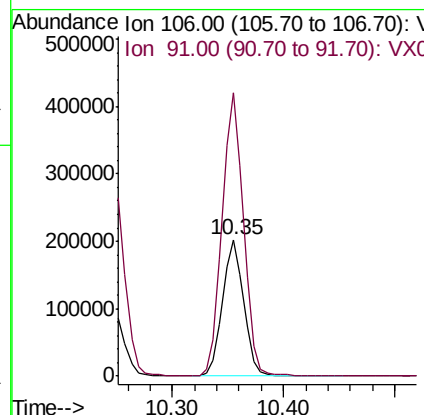
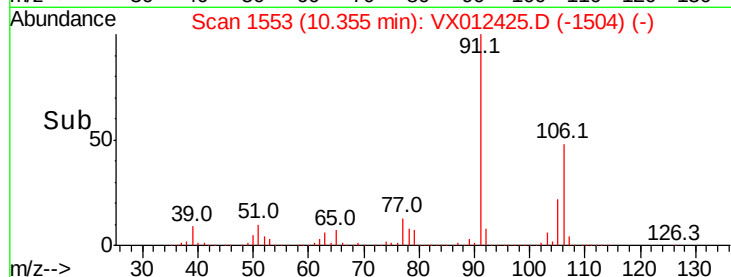
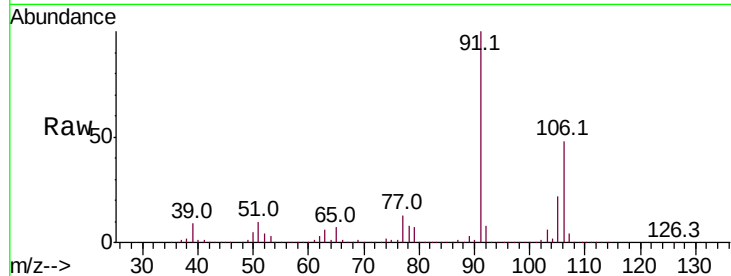
#68
m/p-Xylenes
Concen: 103.053 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX012425.D
Acq: 16 Sep 2019 22:59

Instrument :
MSVOA_X
ClientSampleId :
S13-0281MSD

Tot Ion:106 Resp: 266794
Ion Ratio Lower Upper
106 100
91 209.5 167.4 251.0

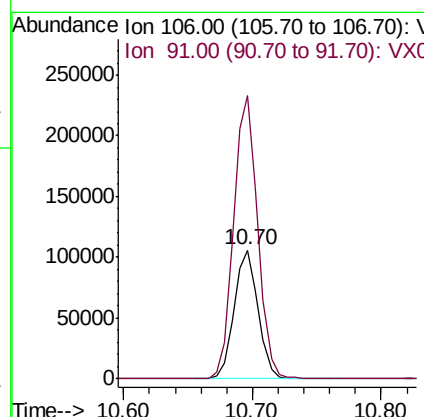
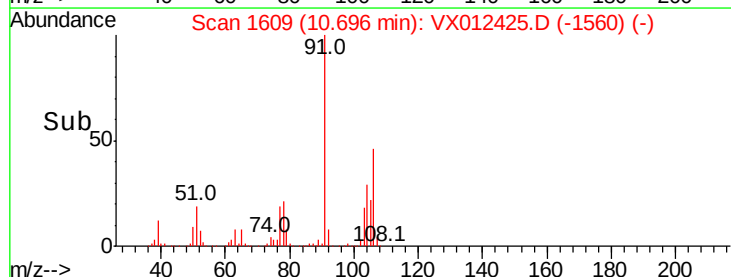
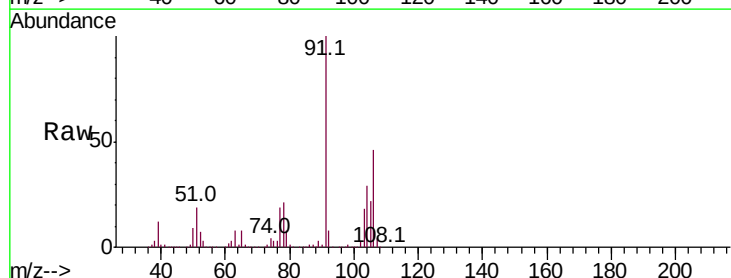
Manual Integrations
APPROVED

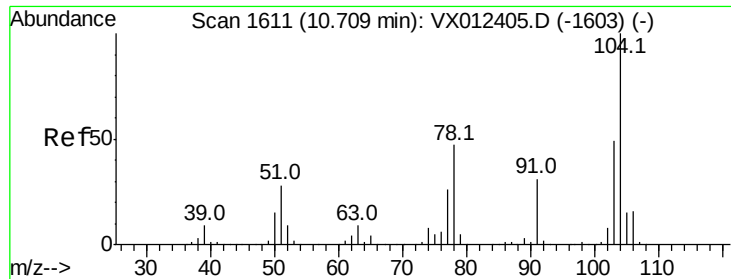
MMDadoda
9/18/2019 12:14:35 PM



#69
o-Xylene
Concen: 51.137 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX012425.D
Acq: 16 Sep 2019 22:59

Tgt Ion:106 Resp: 137288
Ion Ratio Lower Upper
106 100
91 222.1 107.8 323.6





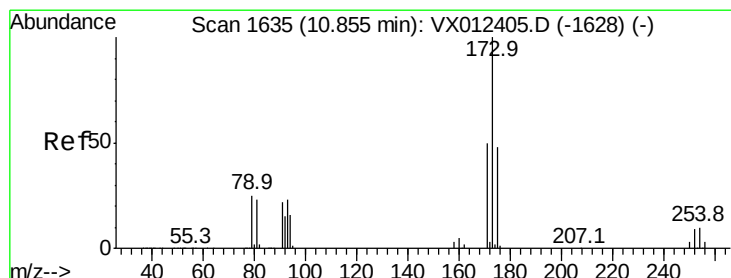
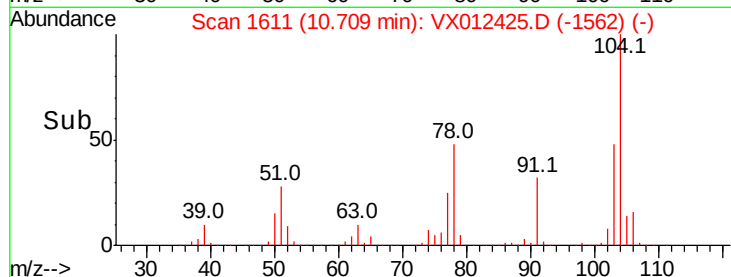
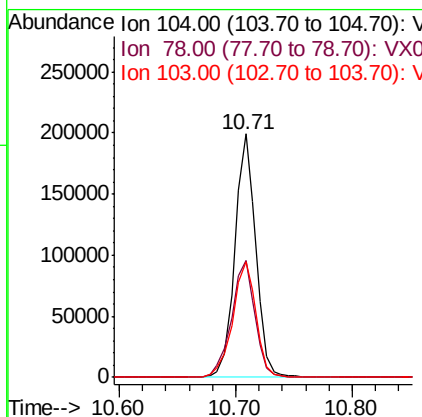
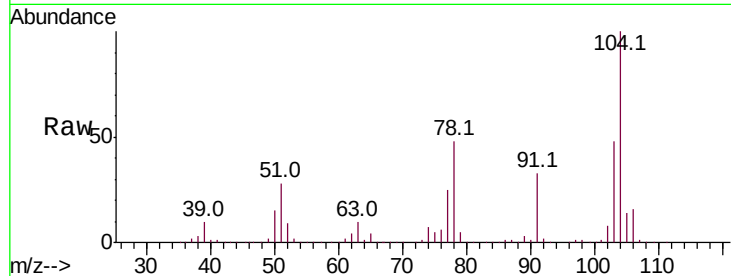
#70
Stvrene
Concen: 53.351 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX012425.D
Acq: 16 Sep 2019 22:59

Instrument :
MSVOA_X
ClientSampled :
S13-0281MSD

Tot Ion	Ratio	Resp	Lower	Upper
104	100	248521		
78	54.1	42.3	63.5	
103	53.1	42.9	64.3	

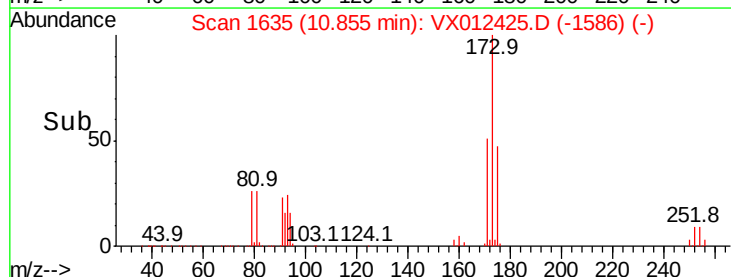
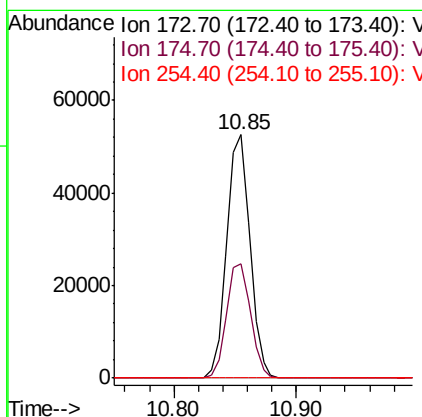
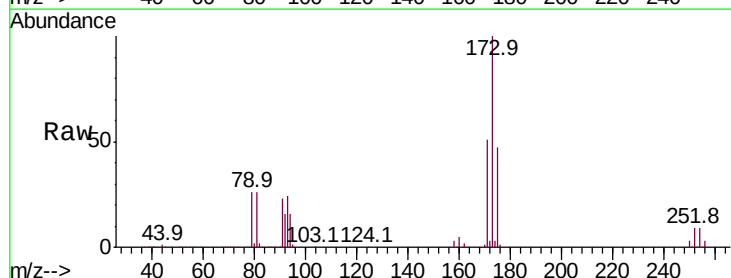
Manual Integrations
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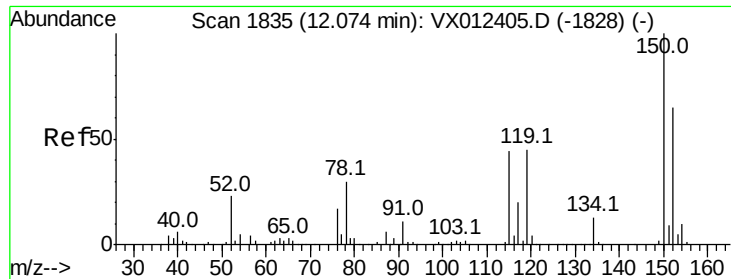
MMDadoda
9/18/2019 12:14:35 PM



#71
Bromoform
Concen: 45.480 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VX012425.D
Acq: 16 Sep 2019 22:59

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	69040		
175	48.8	24.3	73.0	
254	0.1	0.1	0.1	





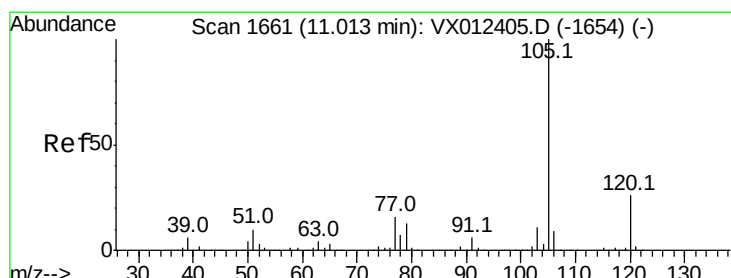
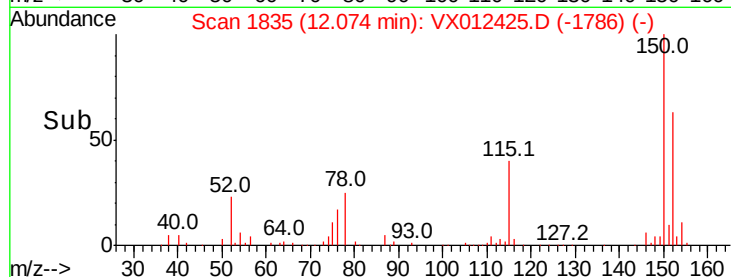
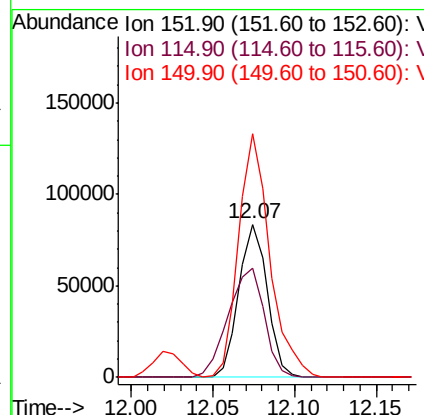
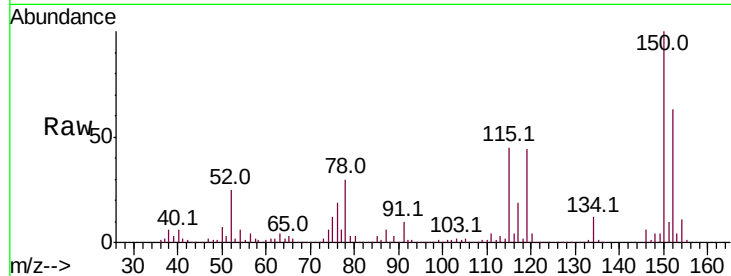
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX012425.D
 Acq: 16 Sep 2019 22:59

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0281MSD

Tot Ion	Ratio	Lower	Upper
152	100		
115	90.7	45.3	135.9
150	173.7	0.0	354.0

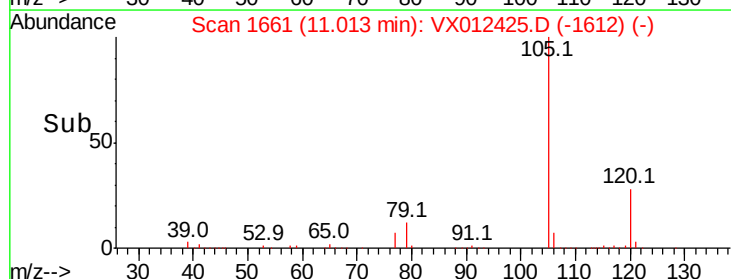
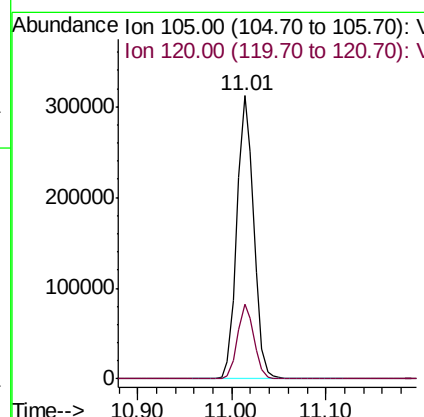
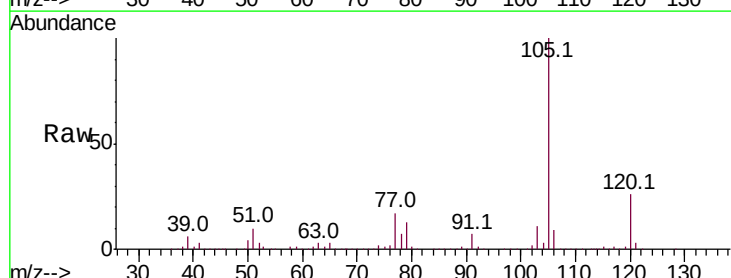
Manual Integrations
 APPROVED

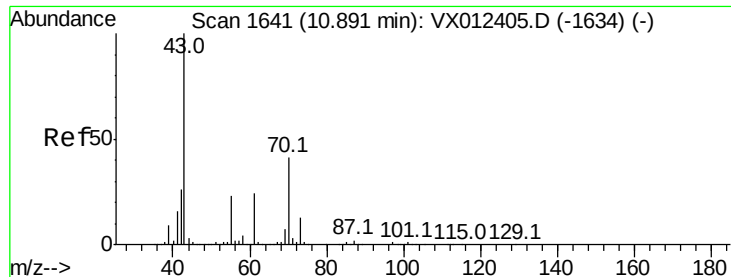
MMDadoda
 9/18/2019 12:14:35 PM



#73
 Isopropylbenzene
 Concen: 54.532 ug/l
 RT: 11.01 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VX012425.D
 Acq: 16 Sep 2019 22:59

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.6	13.2	39.6





#74

N-amvl acetate

Concen: 53.616 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX012425.D

Acq: 16 Sep 2019 22:59

Instrument :

MSVOA_X

ClientSampleId :

S13-0281MSD

Tot Ion: 43 Resp: 201658

Ion Ratio Lower Upper

43 100

70 40.4 32.7 49.1

55 23.6 18.9 28.3

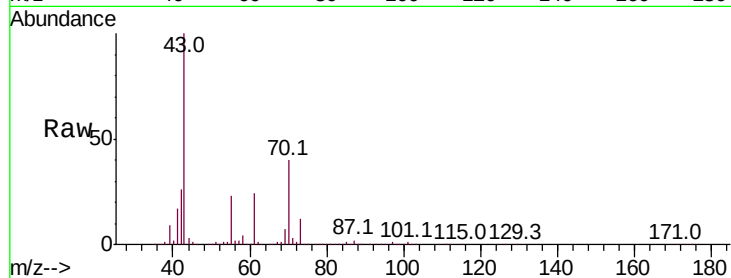
61 23.2 19.0 28.4

Manual Integrations

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MMDadoda

9/18/2019 12:14:35 PM

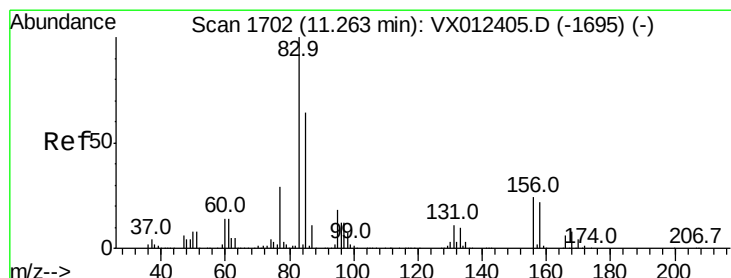
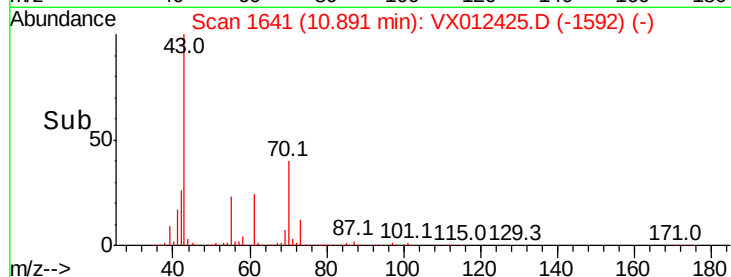
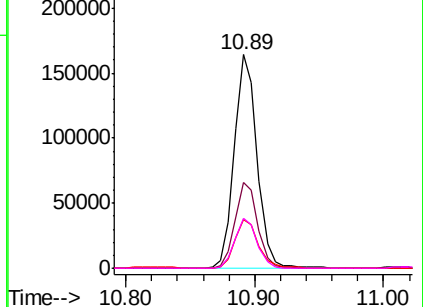


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#75

1,1,2,2-Tetrachloroethane

Concen: 53.236 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX012425.D

Acq: 16 Sep 2019 22:59

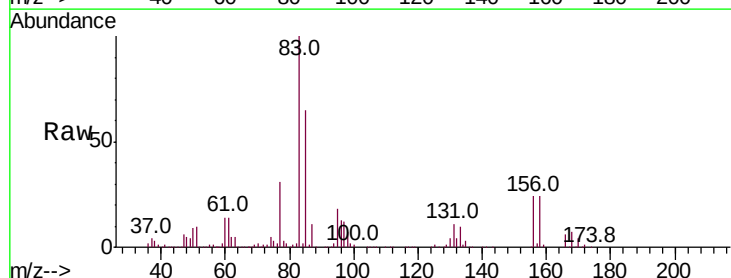
Tgt Ion: 83 Resp: 151468

Ion Ratio Lower Upper

83 100

131 10.3 5.5 16.4

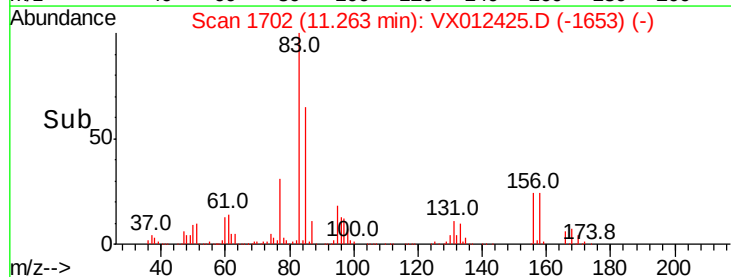
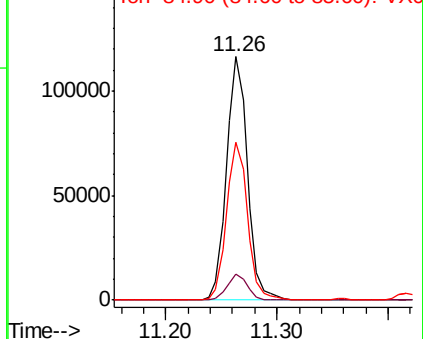
85 65.4 32.9 98.7

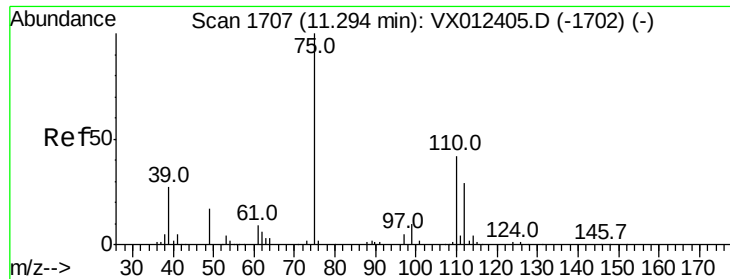


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 54.629 ug/l m

RT: 11.29 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX012425.D

Acq: 16 Sep 2019 22:59

Instrument :

MSVOA_X

ClientSampled :

S13-0281MSD

Tot Ion: 75 Resp: 144226

Ion Ratio Lower Upper

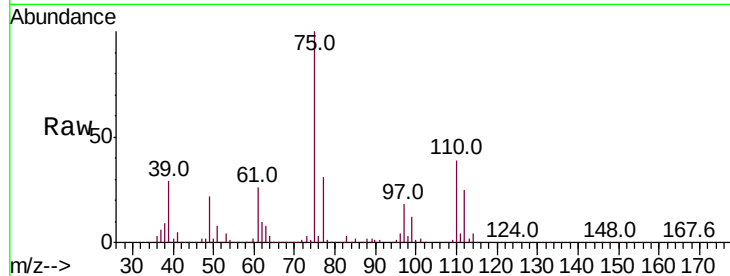
75 100

77 37.5 19.4 58.2

Manual Integrations
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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

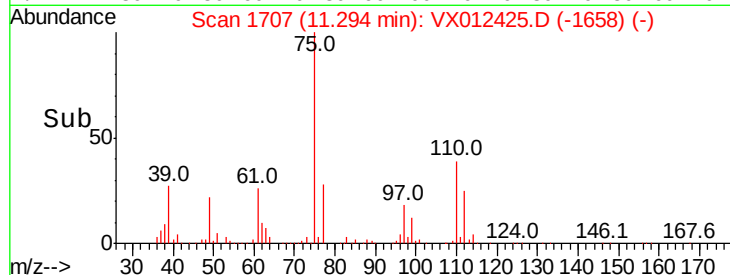
150000

100000

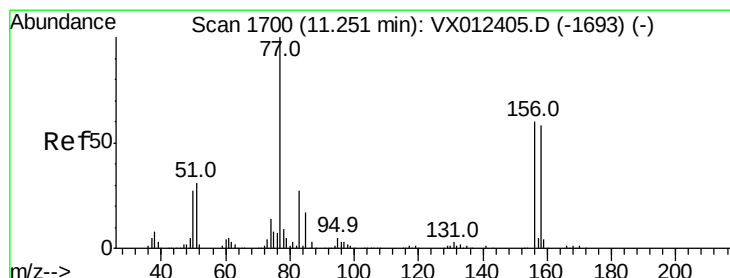
50000

0

Time-->



Time-->



#77

Bromobenzene

Concen: 50.468 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX012425.D

Acq: 16 Sep 2019 22:59

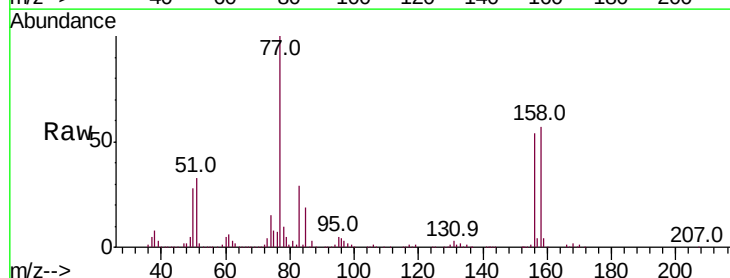
Tgt Ion: 156 Resp: 92203

Ion Ratio Lower Upper

156 100

77 179.3 84.8 254.3

158 99.8 47.9 143.6



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

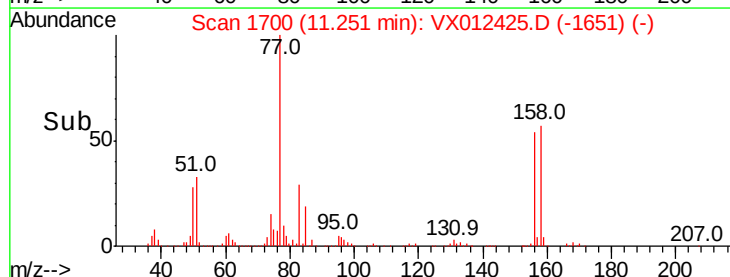
150000

100000

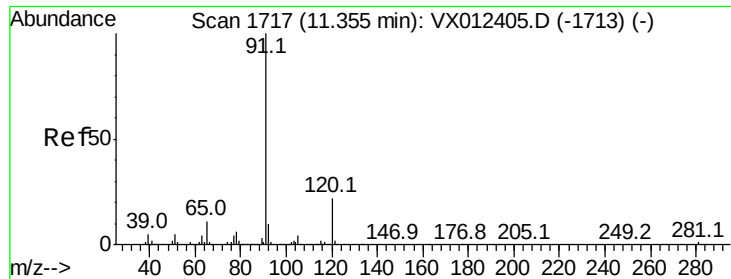
50000

0

Time-->



Time-->



#78

n-propylbenzene

Concen: 54.376 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX012425.D

Acq: 16 Sep 2019 22:59

Instrument :

MSVOA_X

ClientSampleId :

S13-0281MSD

Tot Ion: 91 Resp: 436035

Ion Ratio Lower Upper

91 100

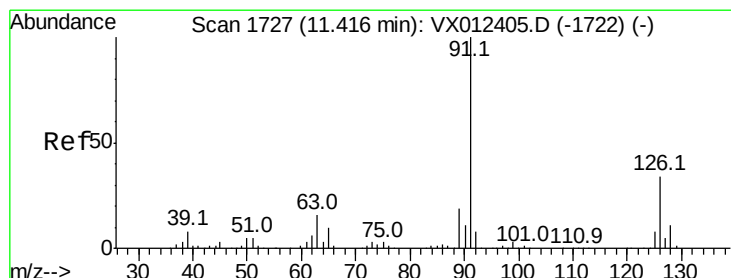
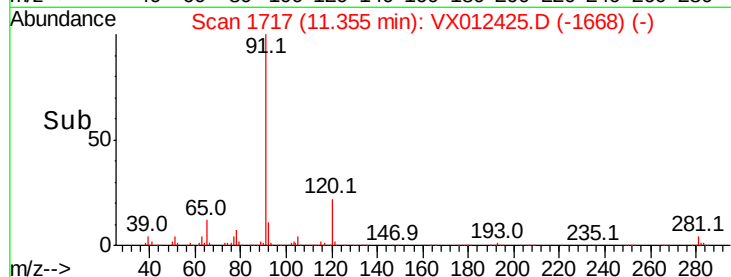
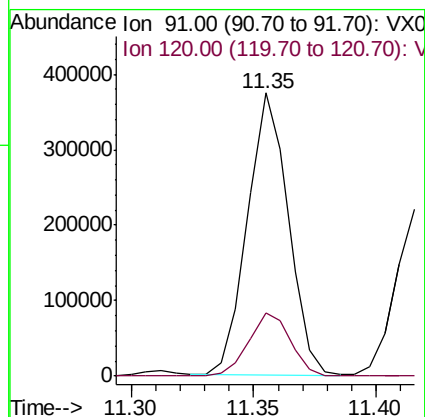
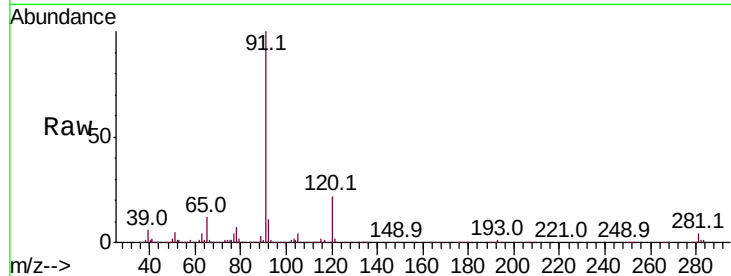
120 23.0 11.5 34.4

Manual Integrations

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#79

2-Chlorotoluene

Concen: 53.732 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX012425.D

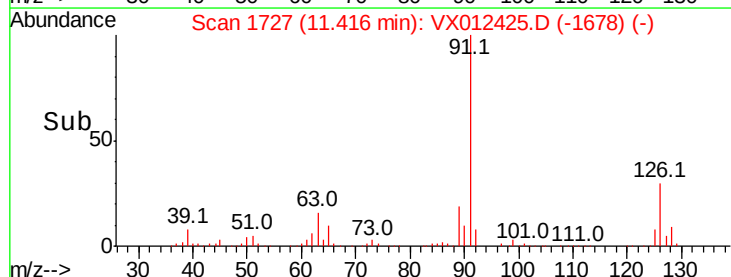
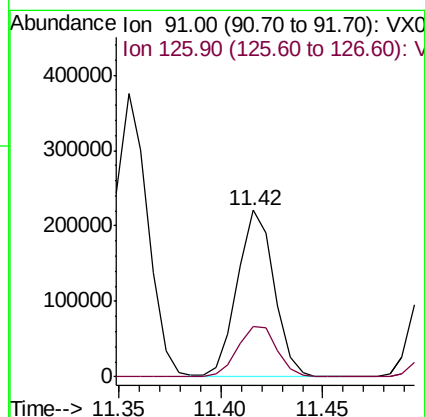
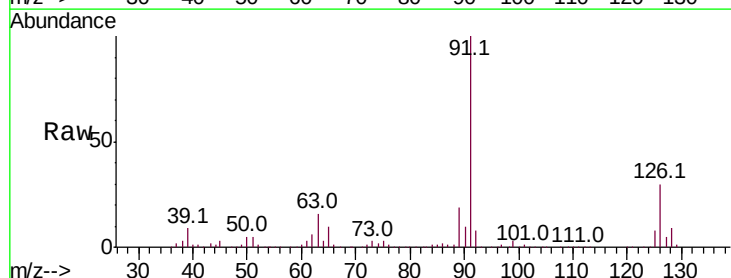
Acq: 16 Sep 2019 22:59

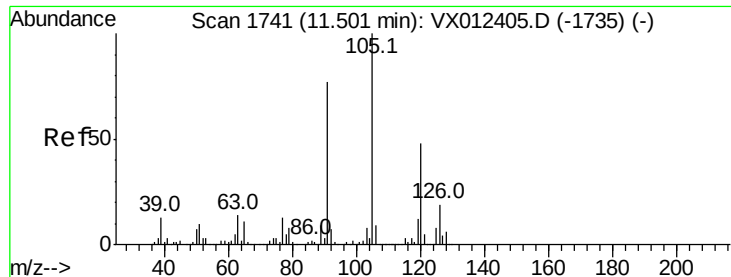
Tgt Ion: 91 Resp: 276606

Ion Ratio Lower Upper

91 100

126 32.3 16.4 49.2





#80

1,3,5-Trimethylbenzene

Concen: 54.126 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX012425.D

Acq: 16 Sep 2019 22:59

Instrument :

MSVOA_X

ClientSampleId :

S13-0281MSD

Tot Ion:105 Resp: 334424

Ion Ratio Lower Upper

105 100

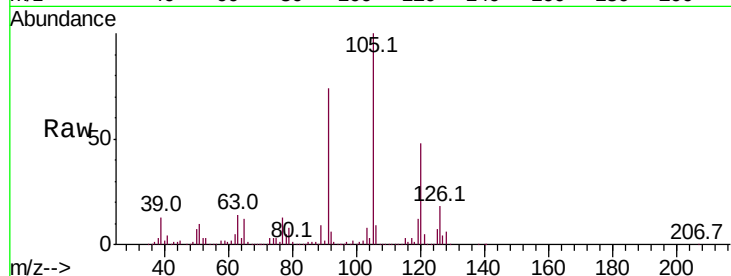
120 47.8 24.3 72.9

Manual Integrations

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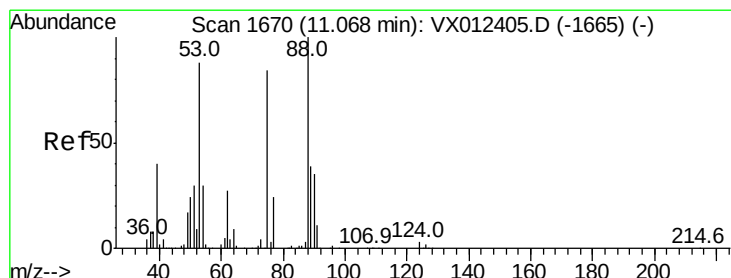
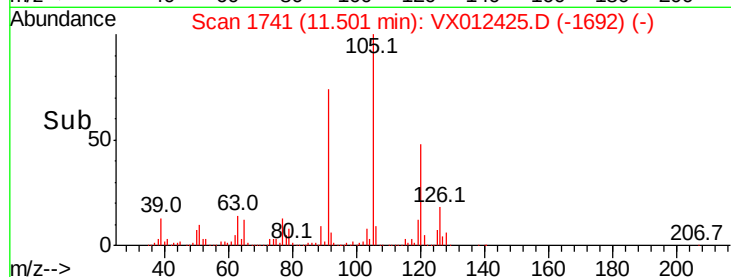
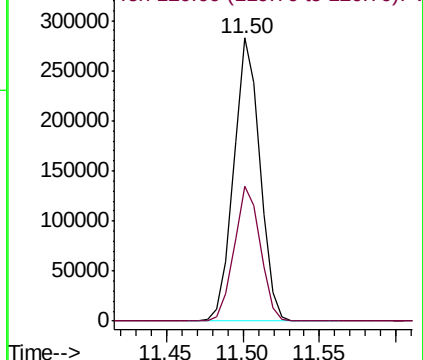
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 49.262 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX012425.D

Acq: 16 Sep 2019 22:59

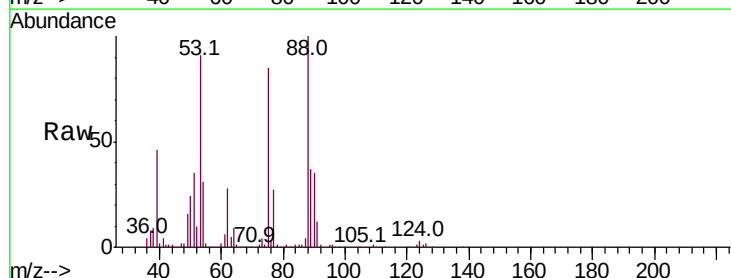
Tgt Ion: 75 Resp: 46071

Ion Ratio Lower Upper

75 100

53 106.7 84.6 127.0

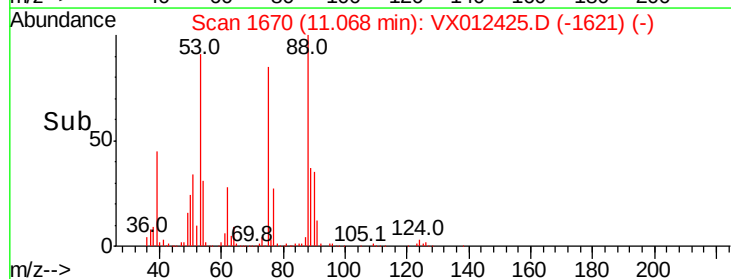
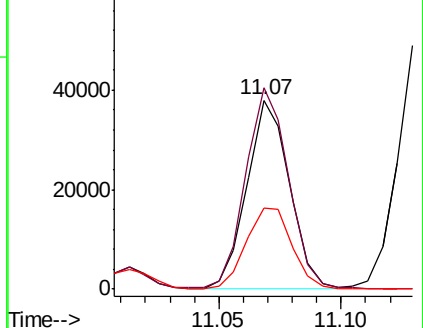
89 46.7 38.8 58.2

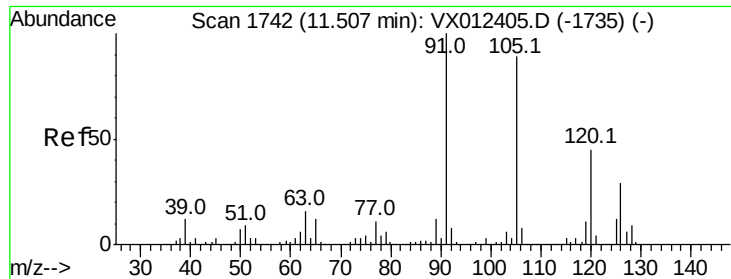


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





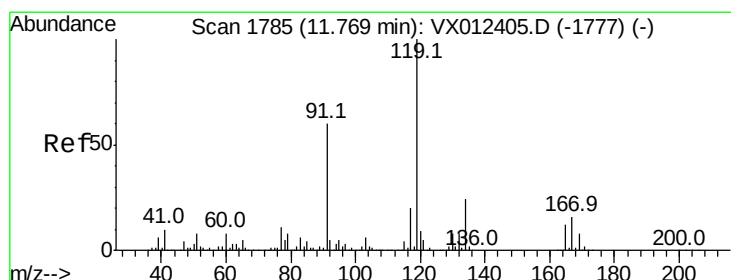
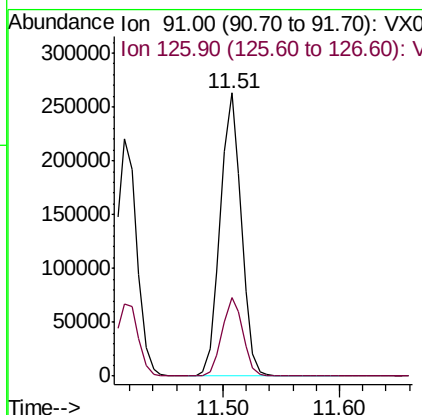
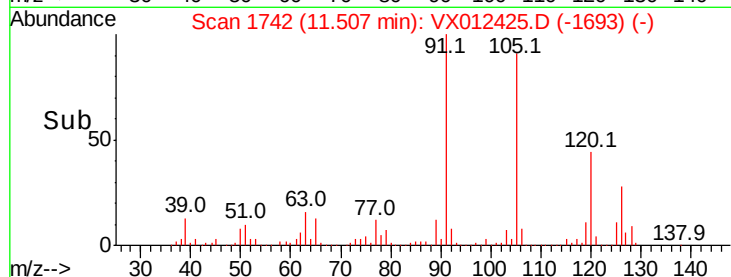
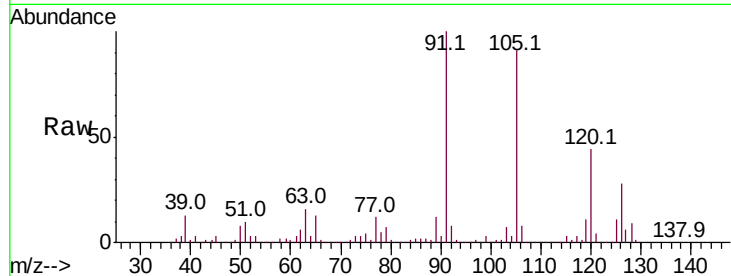
#82
4-Chlorotoluene
Concen: 54.295 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX012425.D
Acq: 16 Sep 2019 22:59

Instrument :
MSVOA_X
ClientSampled :
S13-0281MSD

Tot Ion: 91 Resp: 325944
Ion Ratio Lower Upper
91 100
126 27.5 14.1 42.3

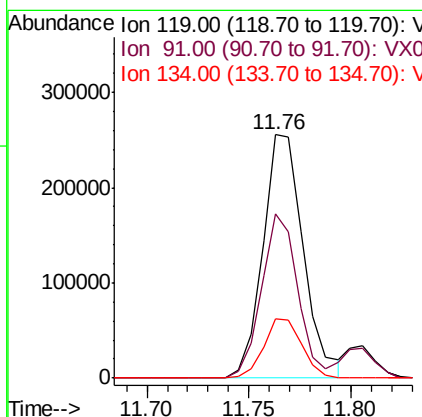
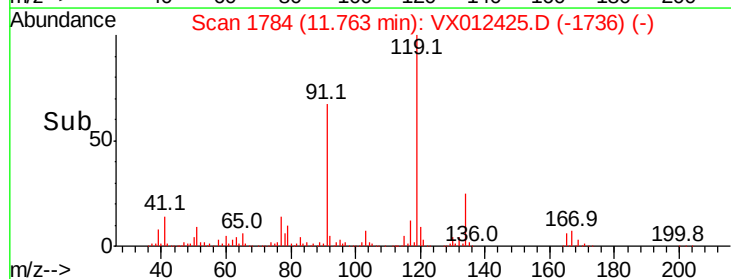
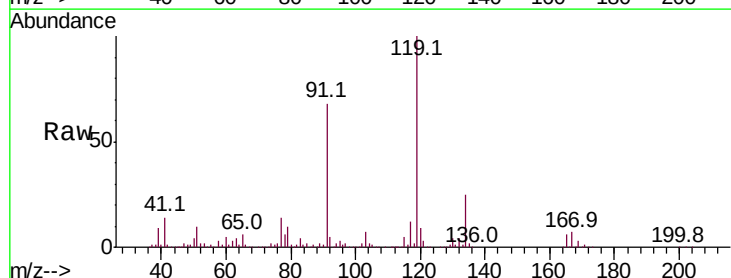
Manual Integrations
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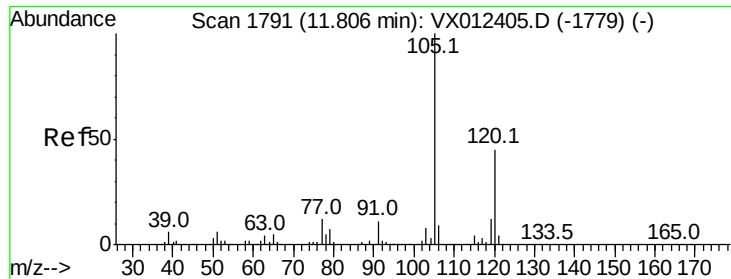
MMDadoda
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#83
tert-Butylbenzene
Concen: 54.035 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. -0.01 min
Lab File: VX012425.D
Acq: 16 Sep 2019 22:59

Tgt Ion: 119 Resp: 354130
Ion Ratio Lower Upper
119 100
91 60.3 29.6 88.8
134 23.0 11.4 34.1





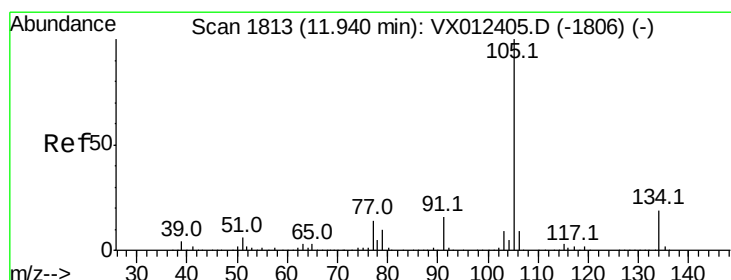
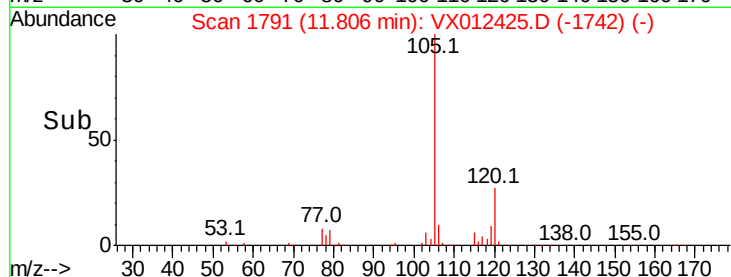
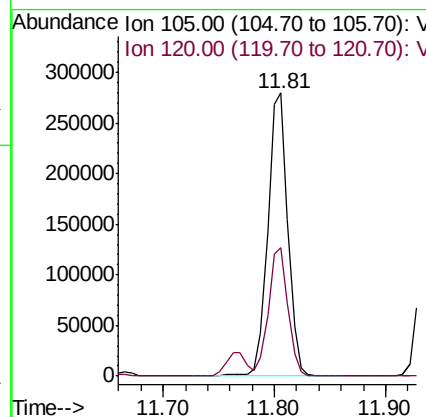
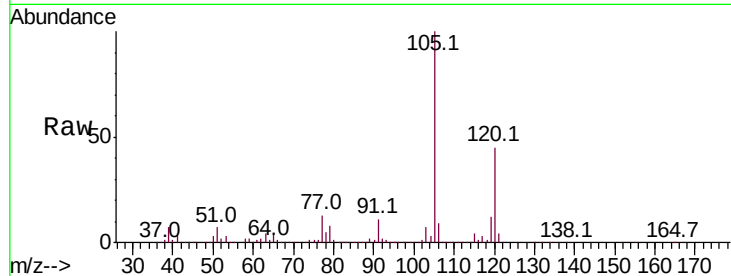
#84
 1,2,4-Trimethylbenzene
 Concen: 56.087 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. -0.00 min
 Lab File: VX012425.D
 Acq: 16 Sep 2019 22:59

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0281MSD

Tot Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.1	66.5

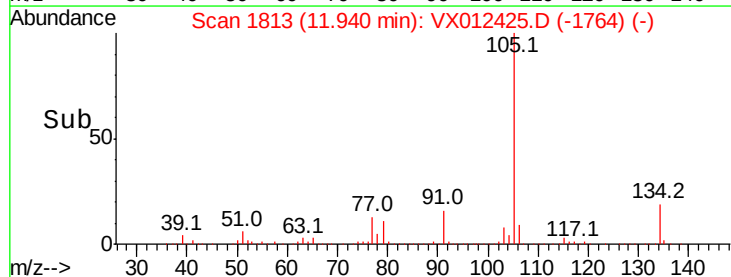
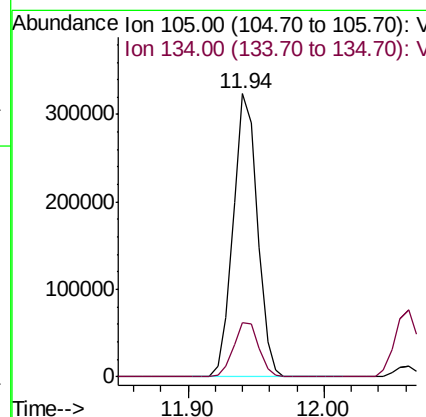
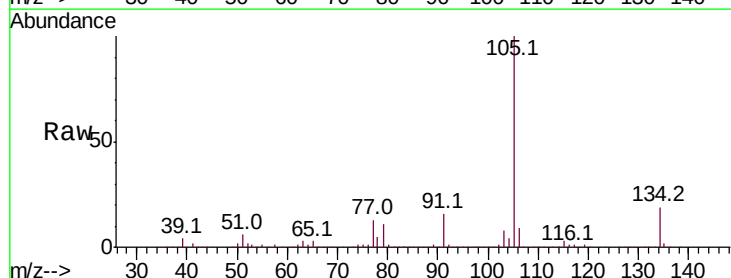
Manual Integrations
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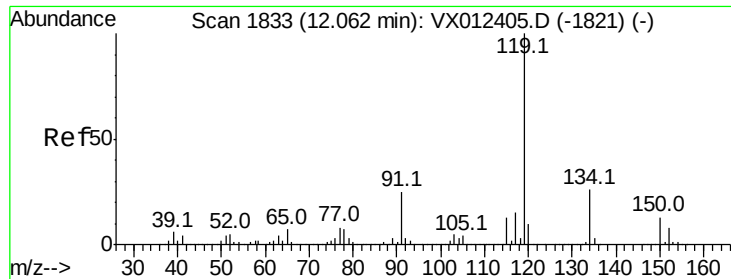
MMDadoda
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#85
 sec-Butylbenzene
 Concen: 55.137 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VX012425.D
 Acq: 16 Sep 2019 22:59

Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.2	10.1	30.1





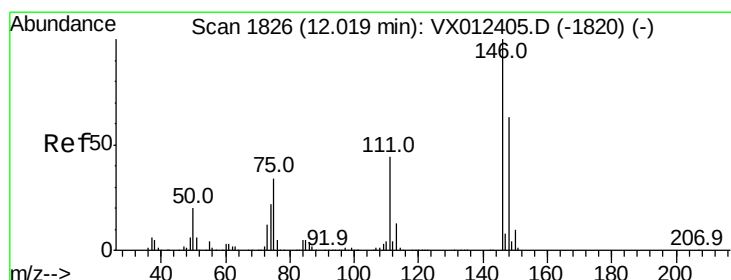
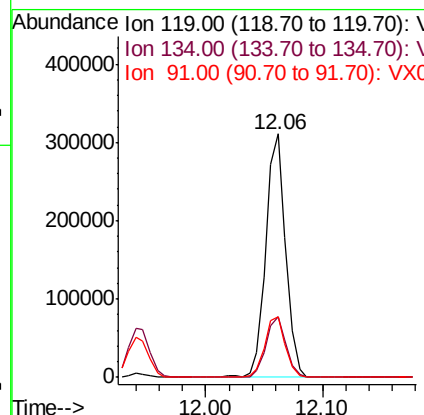
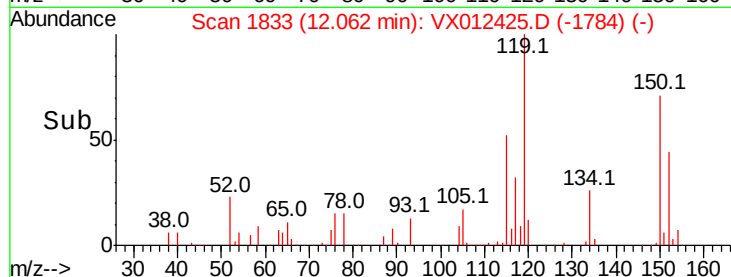
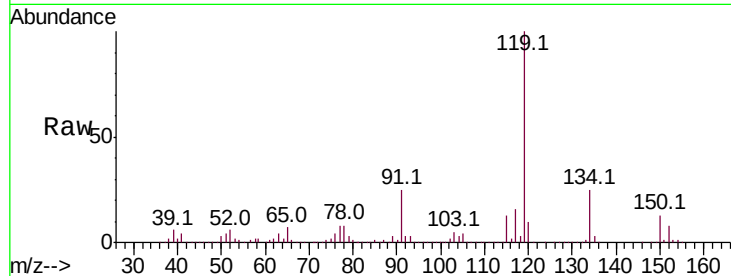
#86
 p-Isopropyltoluene
 Concen: 55.363 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. -0.00 min
 Lab File: VX012425.D
 Acq: 16 Sep 2019 22:59

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0281MSD

Tot Ion	Ratio	Resp	Lower	Upper
119	100	367504		
134	25.3	12.9	38.6	
91	26.0	12.9	38.6	

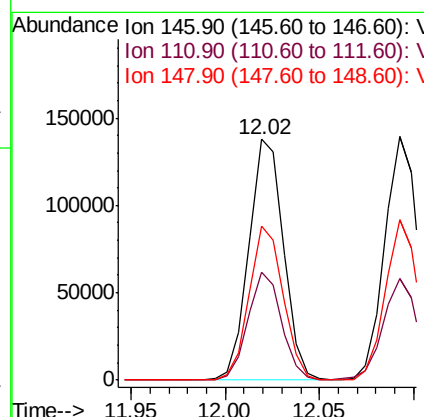
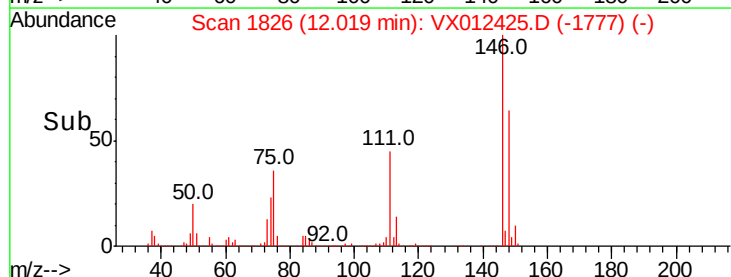
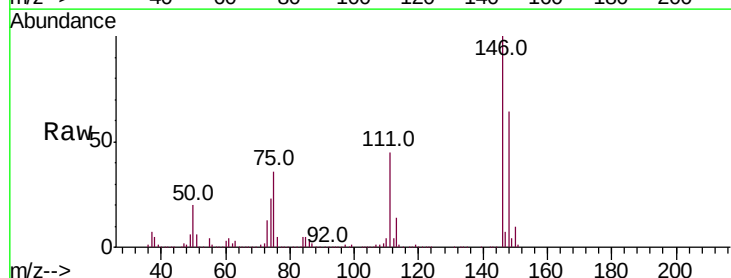
Manual Integrations
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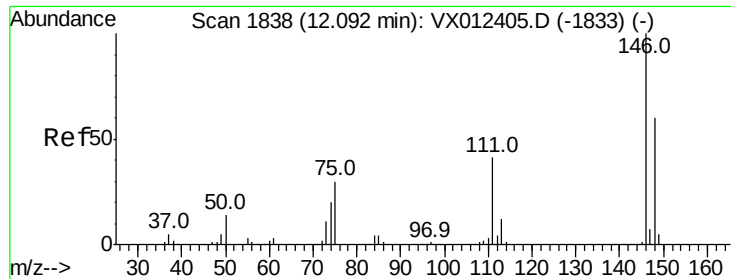
MMDadoda
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#87
 1,3-Dichlorobenzene
 Concen: 51.589 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX012425.D
 Acq: 16 Sep 2019 22:59

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	176434		
111	43.3	21.3	64.0	
148	62.8	31.6	94.8	





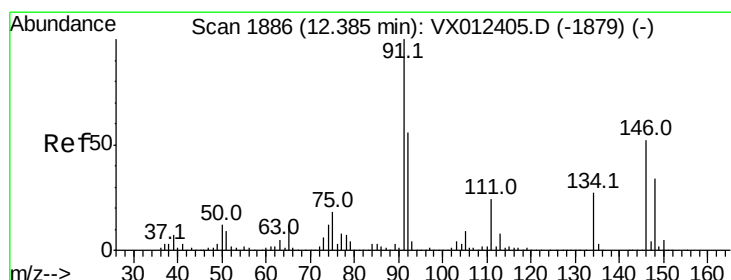
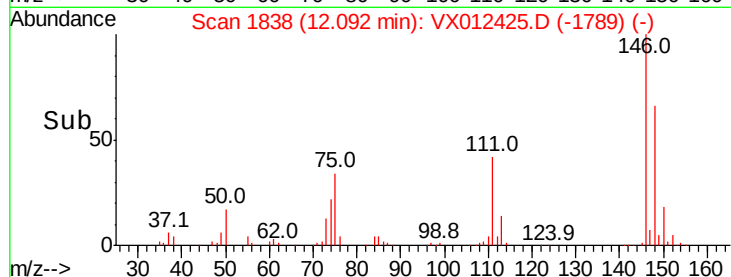
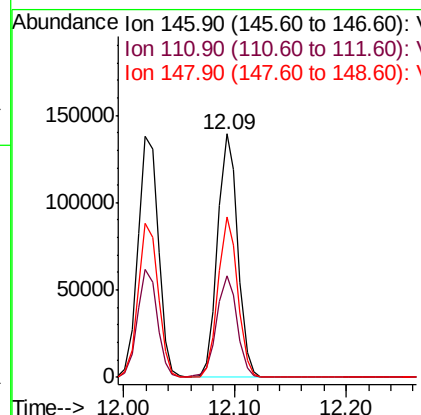
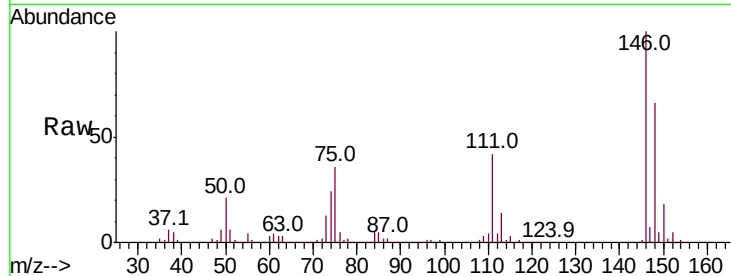
#88
 1,4-Dichlorobenzene
 Concen: 50.463 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX012425.D
 Acq: 16 Sep 2019 22:59

Instrument :
 MSVOA_X
 ClientSampled :
 S13-0281MSD

Tot Ion	Ratio	Resp	Lower	Upper
146	100	174550		
111	42.1	20.6	61.9	
148	64.2	31.6	94.8	

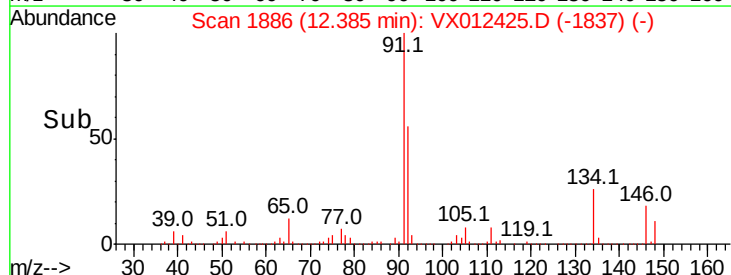
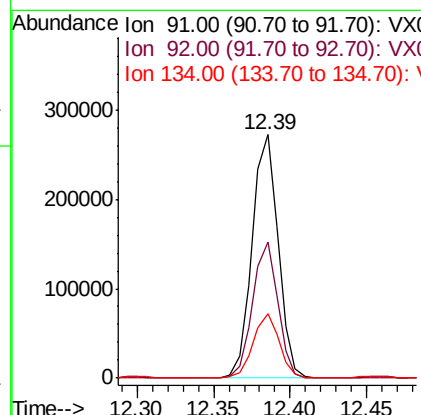
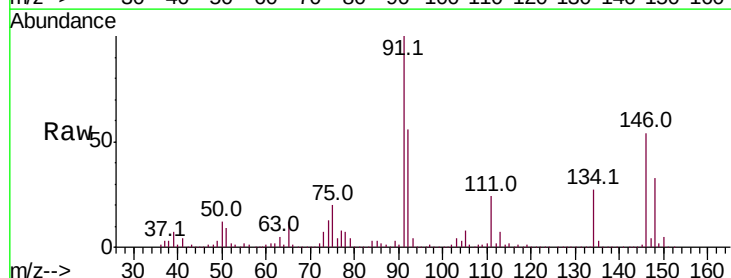
Manual Integrations
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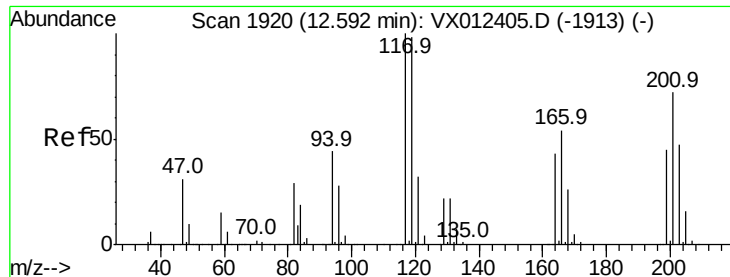
MMDadoda
 9/18/2019 12:14:35 PM



#89
 n-Butylbenzene
 Concen: 54.990 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX012425.D
 Acq: 16 Sep 2019 22:59

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	322355		
92	54.3	27.5	82.4	
134	26.5	13.2	39.6	





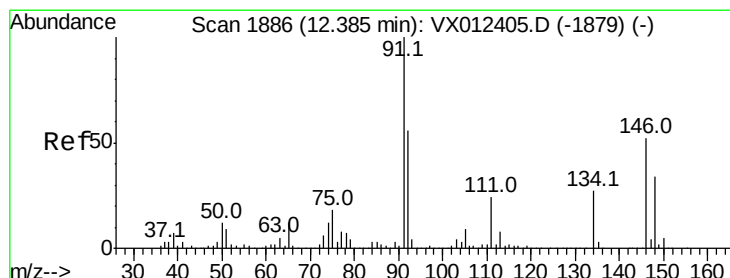
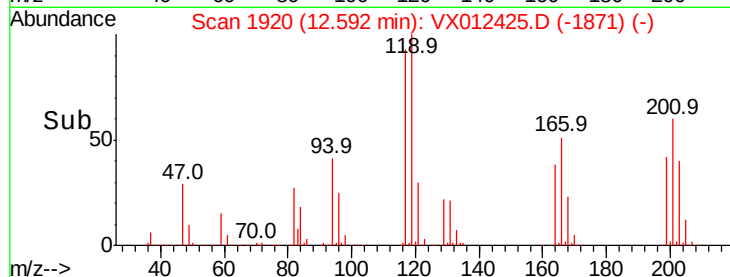
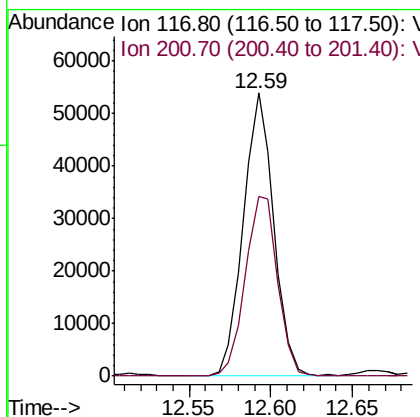
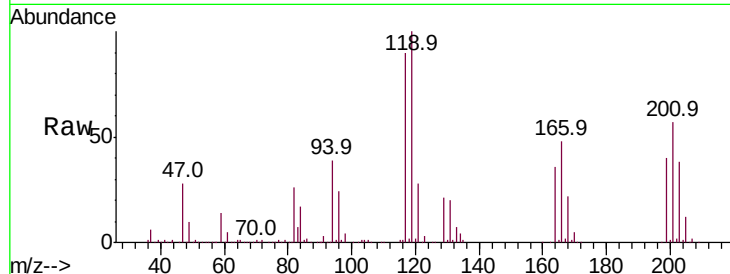
#90
Hexachloroethane
Concen: 54.710 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX012425.D
Acq: 16 Sep 2019 22:59

Instrument :
MSVOA_X
ClientSampleId :
S13-0281MSD

Tot Ion:117 Resp: 70209
Ion Ratio Lower Upper
117 100
201 67.2 35.2 105.6

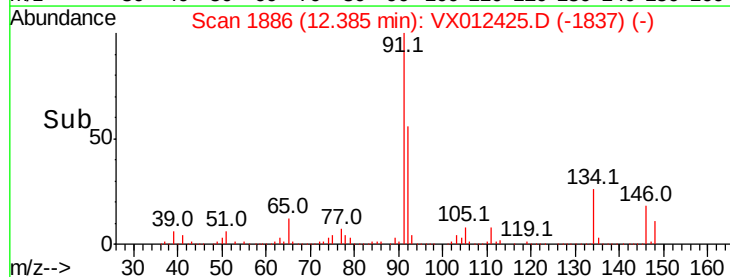
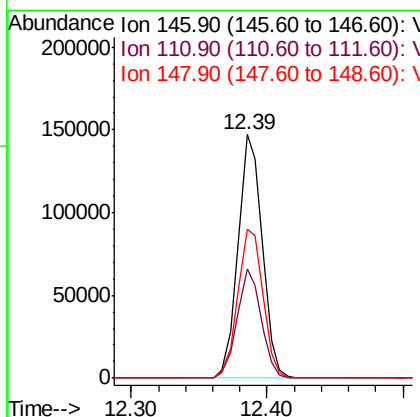
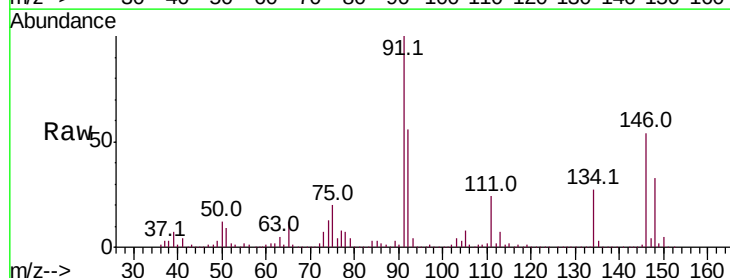
Manual Integrations
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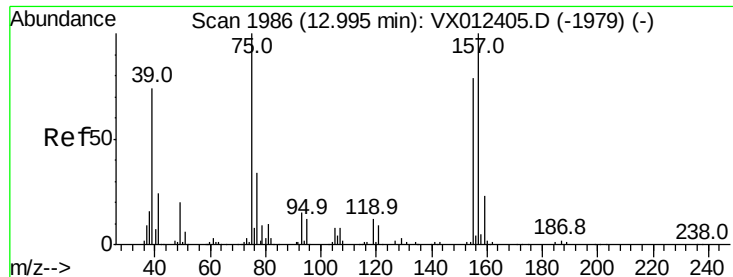
MMDadoda
9/18/2019 12:14:35 PM



#91
1,2-Dichlorobenzene
Concen: 51.846 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX012425.D
Acq: 16 Sep 2019 22:59

Tgt Ion:146 Resp: 181507
Ion Ratio Lower Upper
146 100
111 44.8 22.3 66.9
148 63.8 32.0 96.0





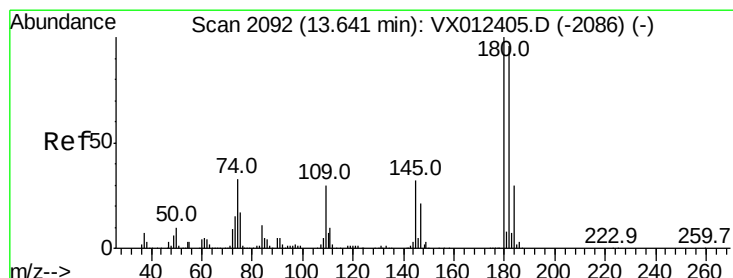
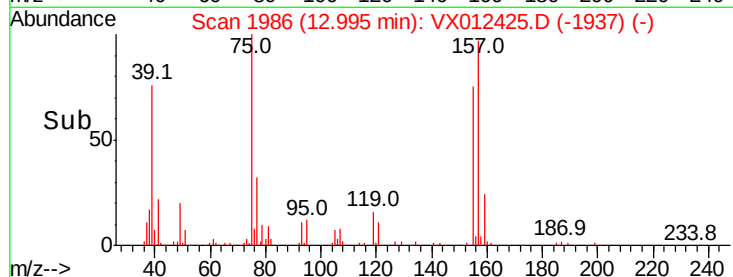
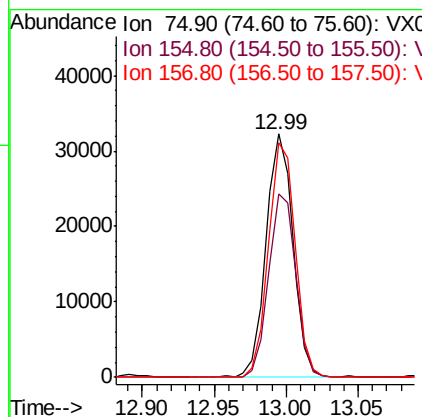
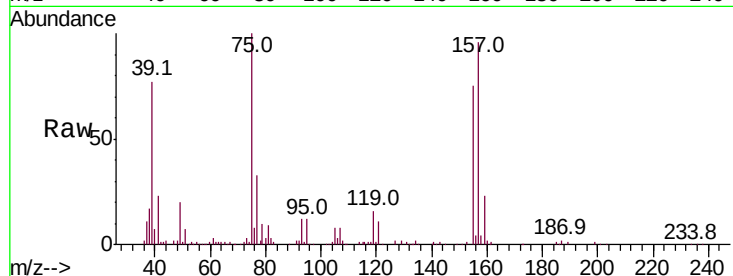
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.441 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX012425.D
 Acq: 16 Sep 2019 22:59

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0281MSD

Tot Ion	Ratio	Lower	Upper
75	100		
155	76.1	39.8	119.4
157	95.7	50.0	150.1

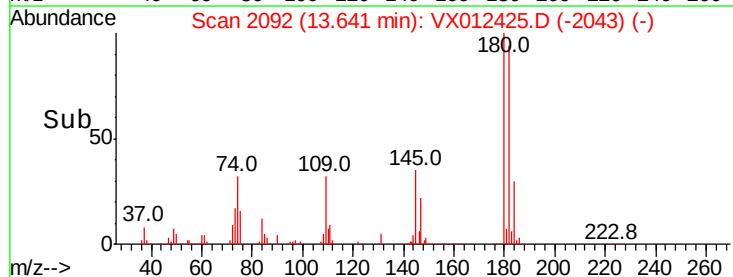
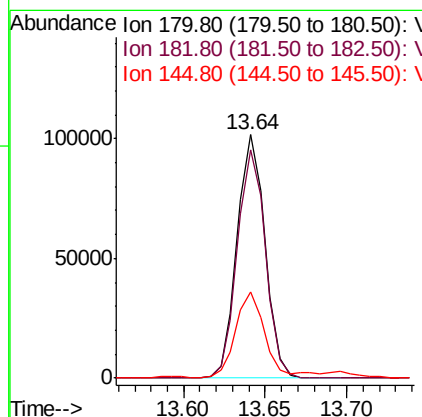
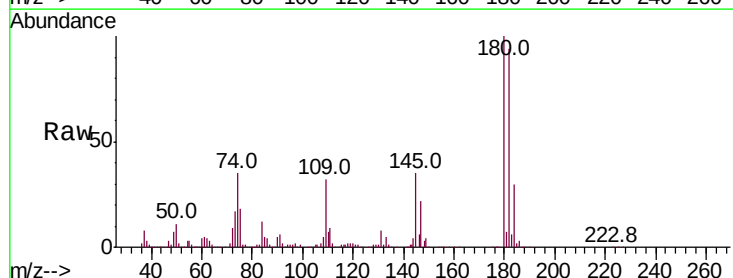
Manual Integrations
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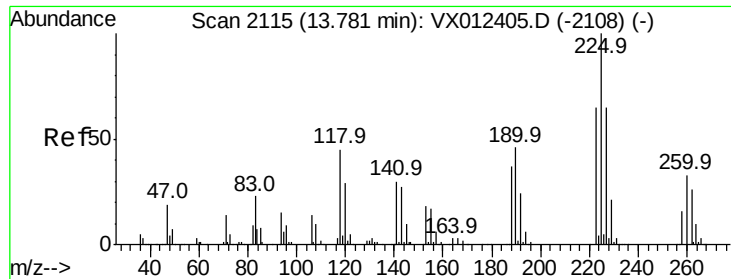
MMDadoda
 9/18/2019 12:14:35 PM



#93
 1,2,4-Trichlorobenzene
 Concen: 51.708 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX012425.D
 Acq: 16 Sep 2019 22:59

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	48.1	144.4
145	36.5	16.6	49.7





#94

Hexachlorobutadiene

Concen: 46.253 ug/l

RT: 13.78 min Scan# 2115

Delta R.T. -0.00 min

Lab File: VX012425.D

Acq: 16 Sep 2019 22:59

Instrument :

MSVOA_X

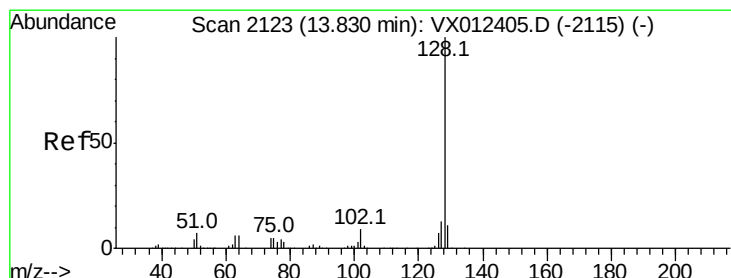
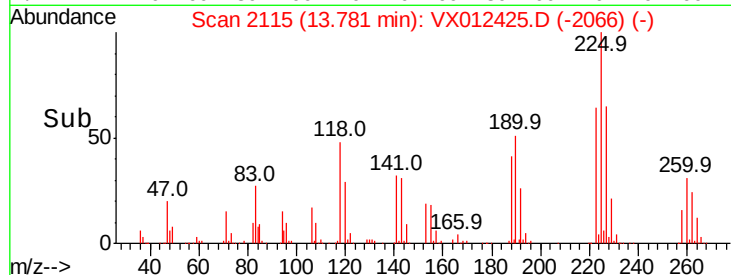
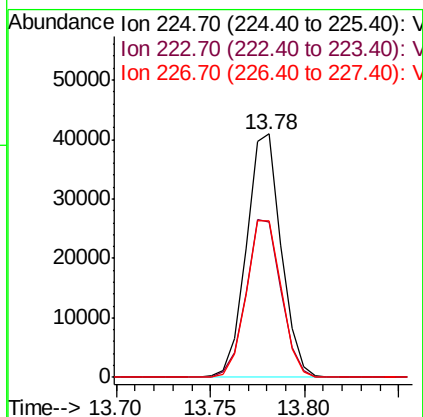
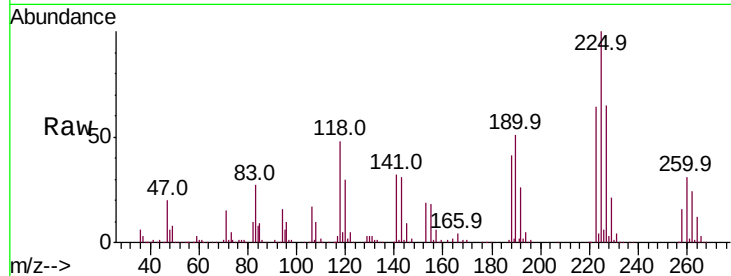
ClientSampleId :

S13-0281MSD

Tot Ion:	225	Resp:	52176
Ion Ratio	Lower	Upper	
225	100		
223	65.1	32.0	96.0
227	64.8	32.8	98.3

Manual Integrations
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#95

Naphthalene

Concen: 52.303 ug/l

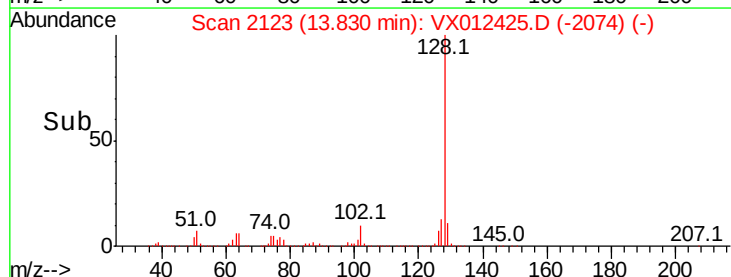
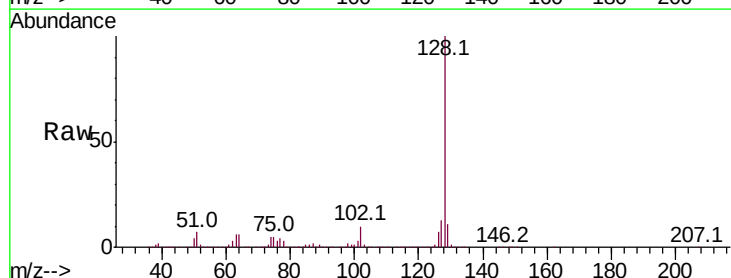
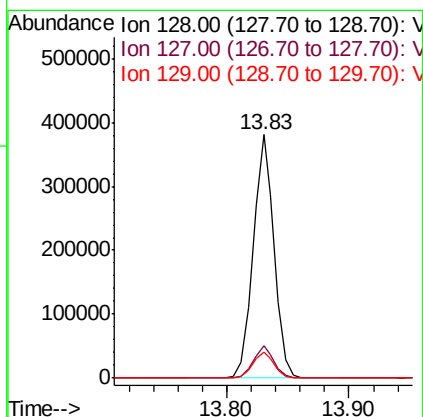
RT: 13.83 min Scan# 2123

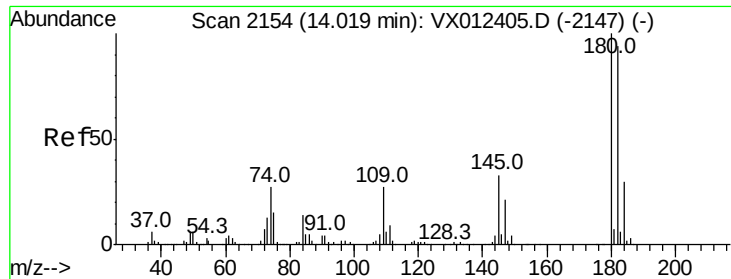
Delta R.T. 0.00 min

Lab File: VX012425.D

Acq: 16 Sep 2019 22:59

Tgt Ion:	128	Resp:	452466
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.2	15.4
129	11.0	8.6	13.0





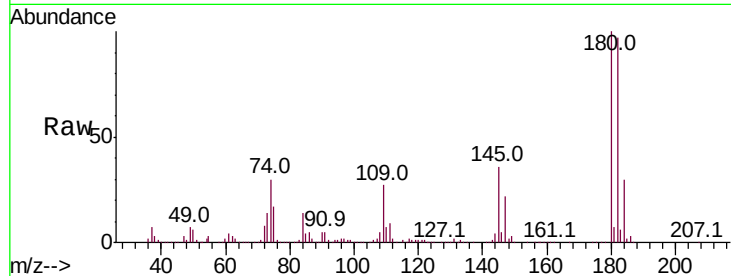
#96
 1,2,3-Trichlorobenzene
 Concen: 52.806 ug/l
 RT: 14.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VX012425.D
 Acq: 16 Sep 2019 22:59

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0281MSD

Tot Ion:	180	Resp:	123376
Ion Ratio	Lower	Upper	
180	100		
182	94.8	46.9	140.8
145	39.5	17.6	52.9

Manual Integrations
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Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

