

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081518\
 Data File : VL032362.D
 Acq On : 15 Aug 2018 21:52
 Operator : SY/AP
 Sample : J4457-01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS01-MIVI

Integration Parameters: RTEINT.P

Integrator: RTE
 Smoothing : ON
 Sampling : 3
 Start Thrs: 0.001
 Stop Thrs : 0

Filtering: 5
 Min Area: 3 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 0

Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081518AIR.M

Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LWed Aug 15 14:58:02 2018

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.929	558	573	585	rBV	5467606	9306563	20.73%	3.037%
2	3.083	613	621	637	rVB3	735813	1143163	2.55%	0.373%
3	3.273	668	680	693	rBV	2016596	2866486	6.39%	0.935%
4	3.379	704	713	721	rBV	386287	509533	1.14%	0.166%
5	3.434	721	730	740	rVB	690650	891072	1.99%	0.291%
6	3.710	799	816	845	rBV2	4089776	12633371	28.14%	4.123%
7	3.939	877	887	907	rBV	12310462	24116833	53.72%	7.871%
8	4.093	913	935	968	rBV	4513328	13832931	30.82%	4.514%
9	4.234	968	979	989	rVV2	927310	1395912	3.11%	0.456%
10	4.296	989	998	1010	rVB4	466294	699750	1.56%	0.228%
11	4.460	1029	1049	1063	rVB2	2393846	4118432	9.17%	1.344%
12	5.115	1235	1253	1269	rBV3	550132	1591410	3.55%	0.519%
13	5.244	1283	1293	1304	rVV2	372734	666585	1.48%	0.218%
14	5.382	1323	1336	1358	rVB	2288136	4245579	9.46%	1.386%
15	5.627	1395	1412	1439	rBV3	1657840	5299467	11.81%	1.730%
16	5.826	1458	1474	1492	rBV3	5548321	11141935	24.82%	3.636%
17	6.186	1561	1586	1620	rBV2	9430401	31204045	69.51%	10.184%
18	6.996	1816	1838	1854	rBV	4549749	14842057	33.06%	4.844%
19	7.064	1854	1859	1882	rVB2	1288319	2677767	5.97%	0.874%
20	7.196	1887	1900	1913	rVB3	755717	1579114	3.52%	0.515%
21	7.357	1937	1950	1962	rBV	5904768	11176267	24.90%	3.647%
22	7.424	1962	1971	1987	rVB2	1015535	1887697	4.21%	0.616%
23	7.662	2031	2045	2063	rVB7	306039	717222	1.60%	0.234%
24	7.910	2106	2122	2124	rBV2	383774	620381	1.38%	0.202%
25	7.929	2127	2128	2152	rVB6	350883	781758	1.74%	0.255%
26	8.135	2178	2192	2209	rBV2	1669415	3402841	7.58%	1.111%
27	8.308	2233	2246	2260	rVB2	354752	658760	1.47%	0.215%
28	8.935	2416	2441	2455	rBV3	1295541	3291376	7.33%	1.074%
29	9.016	2455	2466	2499	rVB5	922964	2580945	5.75%	0.842%
30	9.646	2647	2662	2686	rVB3	238303	763990	1.70%	0.249%
31	10.012	2760	2776	2795	rBV3	1699903	3470155	7.73%	1.133%
32	10.254	2838	2851	2863	rBV4	275955	600023	1.34%	0.196%
33	10.337	2863	2877	2892	rVB3	305364	711450	1.58%	0.232%
34	11.292	3157	3174	3192	rBV6	310264	869736	1.94%	0.284%

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35	11.446	3200	3222	3241	rBV2	17484841	44889997	100.00%	14.650%
36	11.890	3336	3360	3376	rBV2	1398739	3499164	7.79%	1.142%
37	12.311	3473	3491	3510	rVV	6423530	14480770	32.26%	4.726%
38	12.932	3665	3684	3701	rBV2	381764	873097	1.94%	0.285%
39	13.189	3747	3764	3786	rBV3	842638	2371849	5.28%	0.774%
40	13.356	3805	3816	3831	rVB2	498894	1037967	2.31%	0.339%
41	13.443	3831	3843	3856	rVV3	298441	674914	1.50%	0.220%
42	13.916	3975	3990	4004	rBV3	285449	616101	1.37%	0.201%
43	14.112	4037	4051	4065	rVB2	577292	1250875	2.79%	0.408%
44	14.363	4115	4129	4146	rVB4	359434	745093	1.66%	0.243%
45	14.646	4198	4217	4235	rBV3	6199762	14246222	31.74%	4.649%
46	15.999	4622	4638	4649	rBV3	265372	634045	1.41%	0.207%
47	16.231	4689	4710	4723	rBV6	239175	735922	1.64%	0.240%
48	16.993	4932	4947	4959	rBV	695652	1583274	3.53%	0.517%
49	17.179	4987	5005	5029	rVB2	5272810	15193602	33.85%	4.959%
50	17.330	5037	5052	5073	rBV4	777421	1874404	4.18%	0.612%
51	17.758	5166	5185	5203	rBV2	3049736	8967896	19.98%	2.927%
52	17.819	5203	5204	5216	rVV4	376487	616613	1.37%	0.201%
53	18.044	5258	5274	5294	rVB8	357066	961063	2.14%	0.314%
54	18.179	5300	5316	5325	rBV9	230440	584731	1.30%	0.191%
55	18.797	5495	5508	5520	rVB5	227486	548714	1.22%	0.179%
56	19.739	5788	5801	5813	rBV6	320787	688383	1.53%	0.225%
57	20.125	5908	5921	5937	rBV2	1138146	2431334	5.42%	0.793%
58	21.054	6195	6210	6227	rBV4	559505	1368758	3.05%	0.447%
59	21.713	6392	6415	6442	rVB2	2133562	7177939	15.99%	2.343%
60	22.491	6640	6657	6676	rBV3	222559	633834	1.41%	0.207%
61	23.031	6810	6825	6827	rBV2	633571	954853	2.13%	0.312%
62	23.452	6944	6956	6973	rVB4	185125	476786	1.06%	0.156%

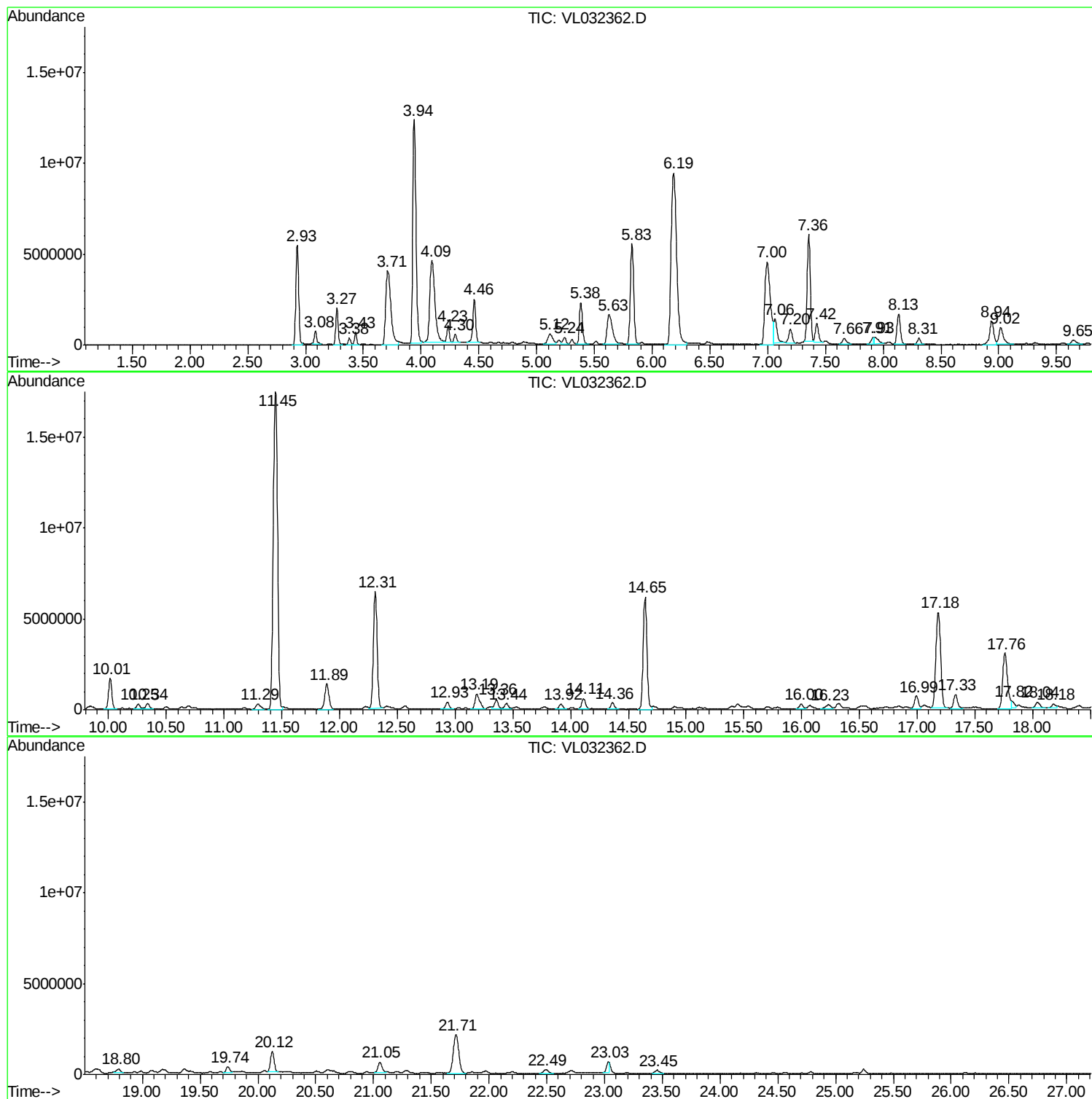
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL081518AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 15 14:58:02 2018

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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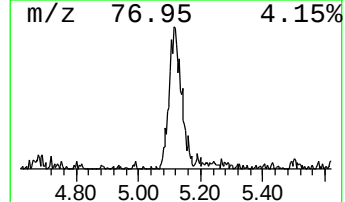
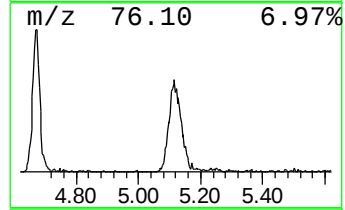
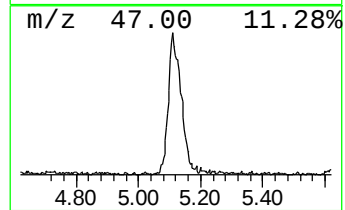
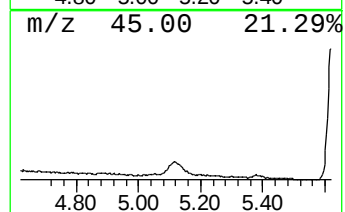
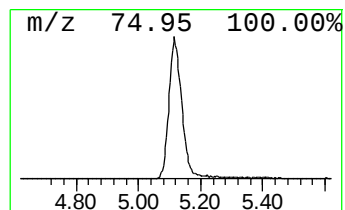
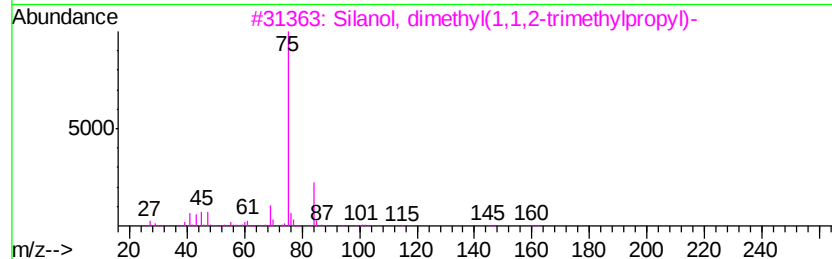
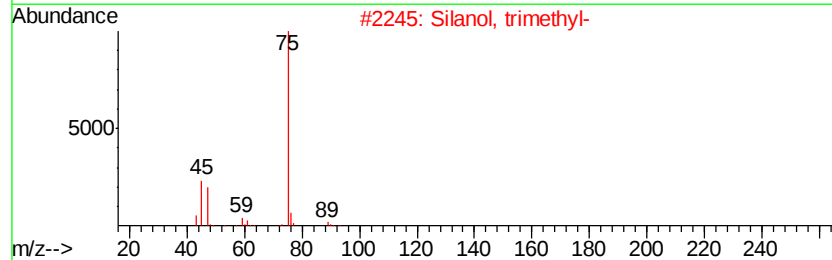
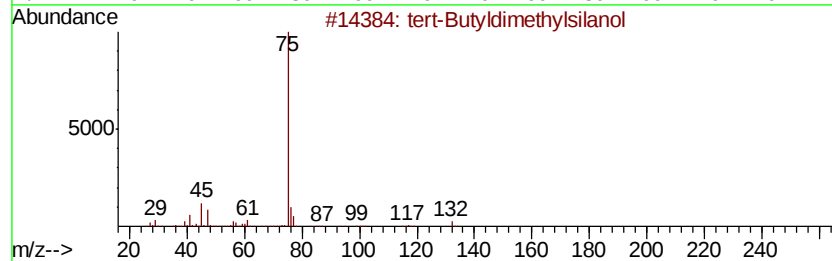
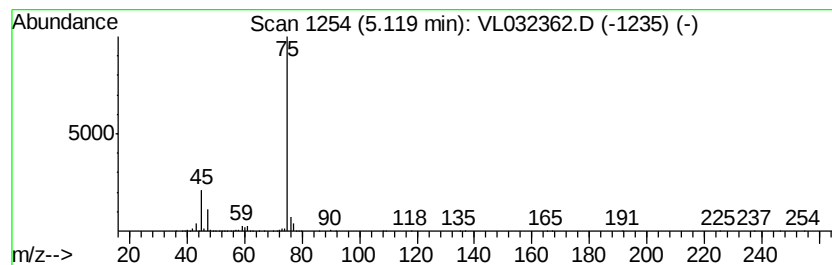
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081518AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 15 14:58:02 2018

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 tert-Butyldimethylsilanol Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.12	1.43 ppbv	1591410	Bromochloromethane	5.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	tert-Butyldimethylsilanol	132	C6H16OSi	018173-64-3	78
2		Silanol, trimethyl-	90	C3H10OSi	001066-40-6	50
3		Silanol, dimethyl(1,1,2-trimethylpropyl)-	160	C8H20OSi	055644-10-5	50
4		Silanol, trimethyl-	90	C3H10OSi	001066-40-6	43
5		Silanol, trimethyl-	90	C3H10OSi	001066-40-6	40



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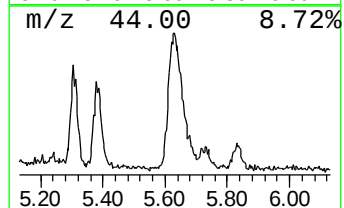
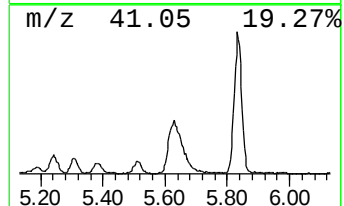
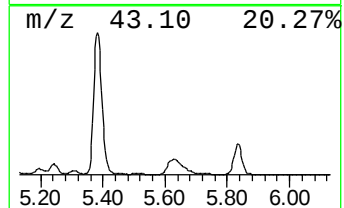
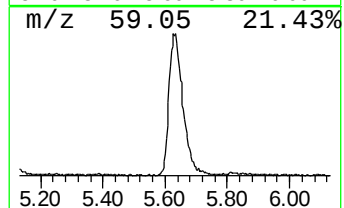
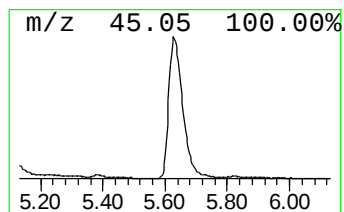
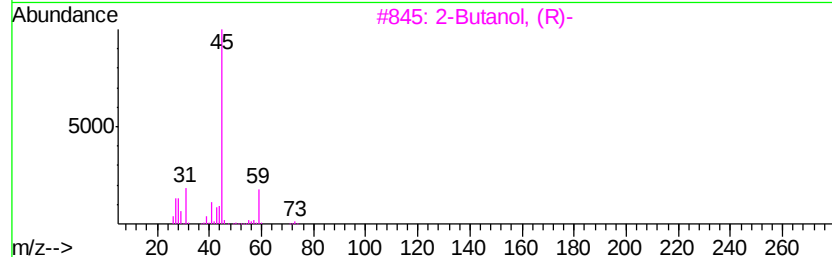
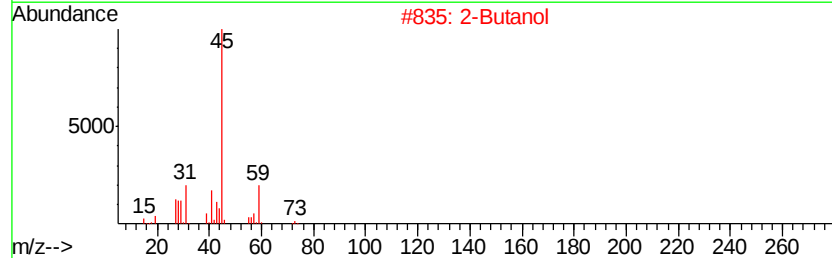
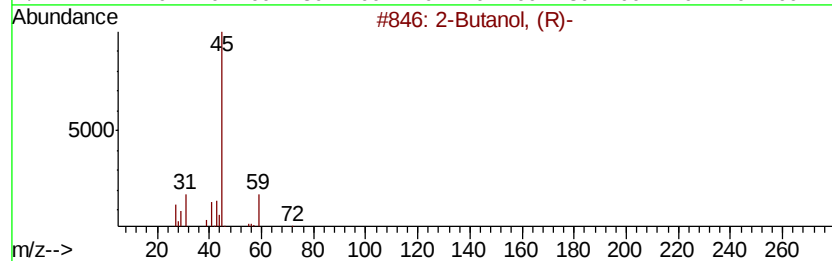
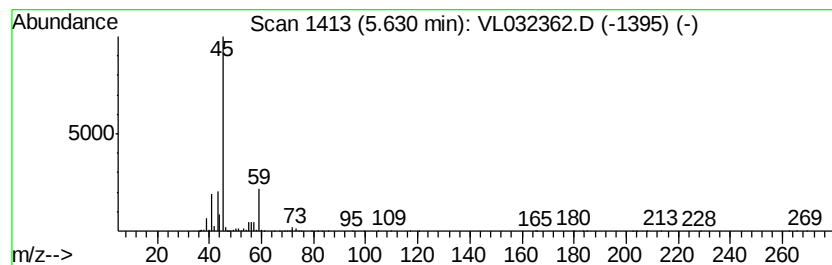
Instrument :
MSVOA_L
ClientSampleId :
SS01-MIVI

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL081518AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 15 14:58:02 2018

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 2-Butanol, (R)- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.63	4.76 ppbv	5299470	Bromochloromethane	5.82
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	2-Butanol, (R)-		74 C4H10O	014898-79-4 83
2	2-Butanol		74 C4H10O	000078-92-2 83
3	2-Butanol, (R)-		74 C4H10O	014898-79-4 74
4	2-Butanol		74 C4H10O	000078-92-2 74
5	2-Butanol		74 C4H10O	000078-92-2 72



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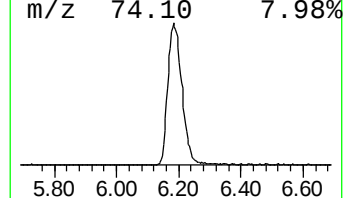
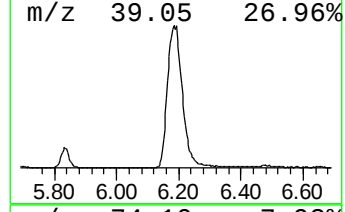
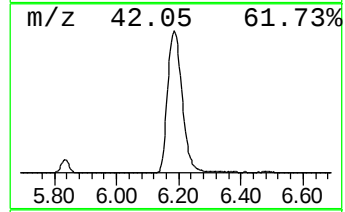
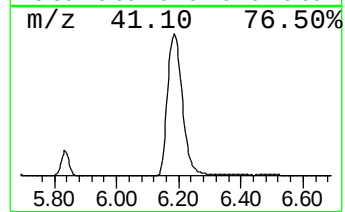
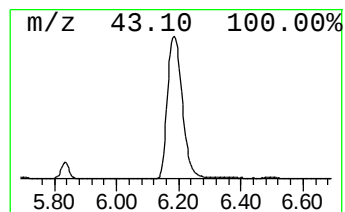
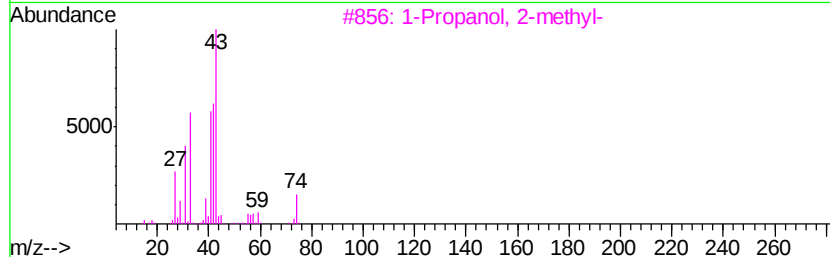
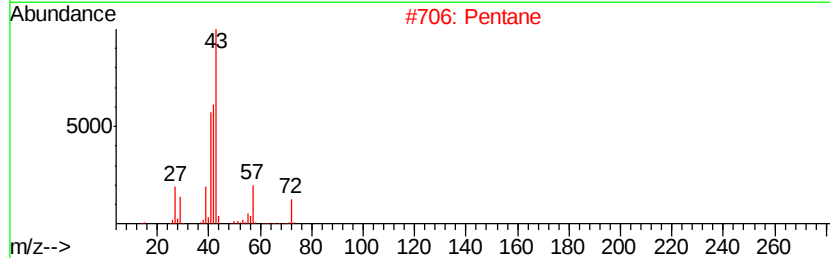
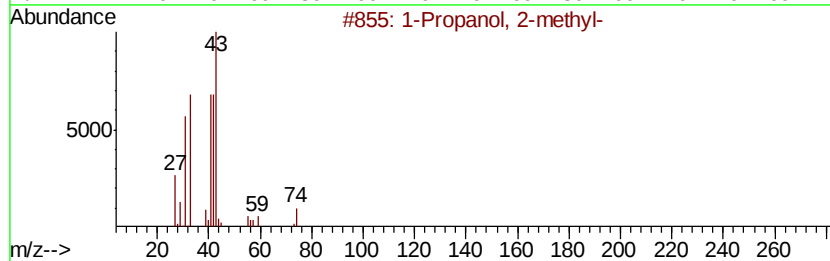
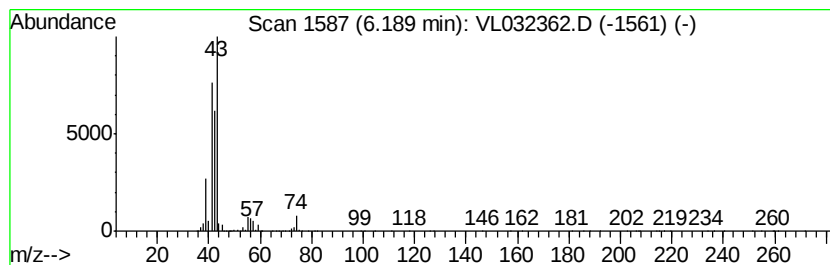
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 1-Propanol, 2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.19	28.01 ppbv	31204000	Bromochloromethane	5.82

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propanol, 2-methyl-		74	C4H10O	000078-83-1	90
2	Pentane		72	C5H12	000109-66-0	64
3	1-Propanol, 2-methyl-		74	C4H10O	000078-83-1	64
4	1-Propanol, 2-methyl-		74	C4H10O	000078-83-1	56
5	1-Propanol, 2-methyl-		74	C4H10O	000078-83-1	43



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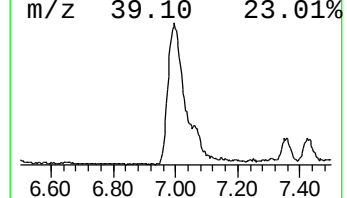
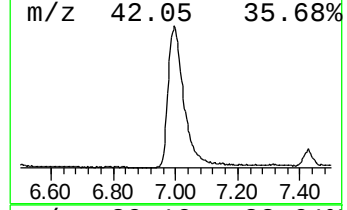
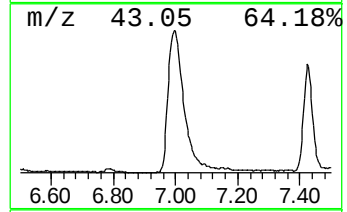
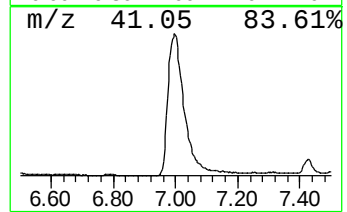
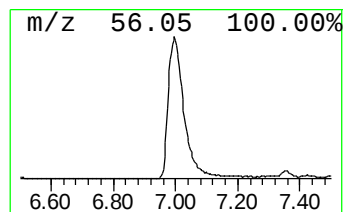
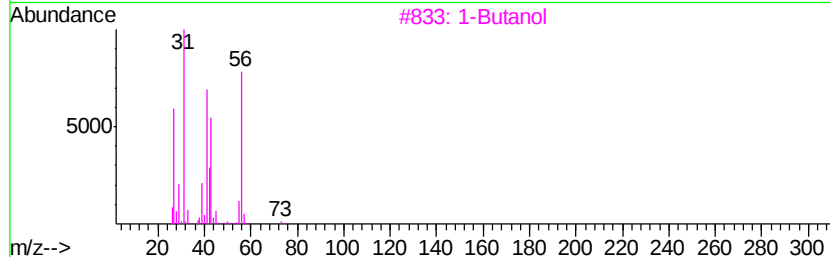
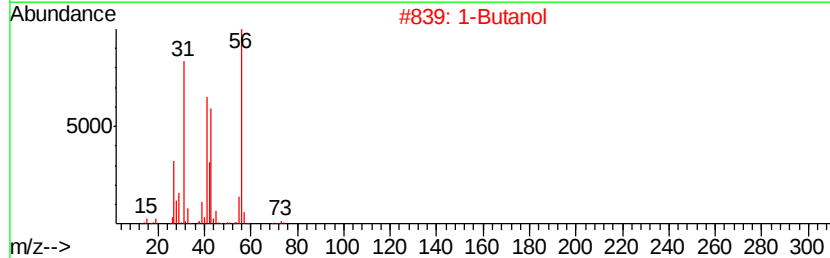
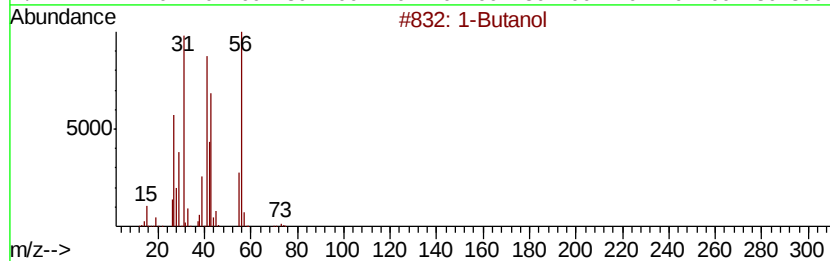
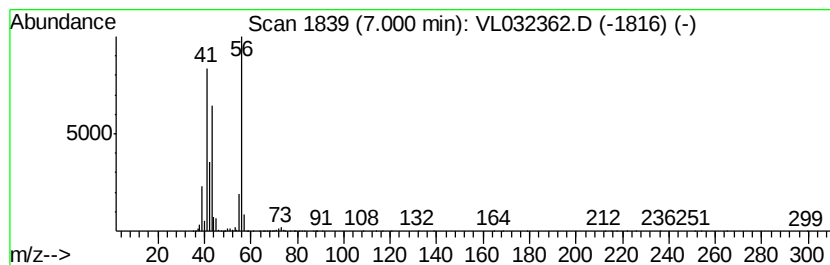
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ClientSampleId :
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 1-Butanol Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.00	13.28 ppbv	14842100	1,4-Difluorobenzene	7.36
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	1-Butanol		74 C4H10O	000071-36-3 91
2	1-Butanol		74 C4H10O	000071-36-3 90
3	1-Butanol		74 C4H10O	000071-36-3 86
4	1-Butanol		74 C4H10O	000071-36-3 83
5	1-Butanol		74 C4H10O	000071-36-3 49



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ClientSampleId :
SS01-MIVI

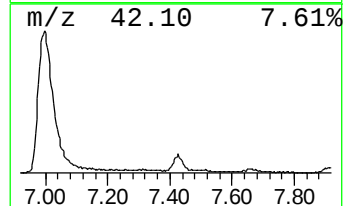
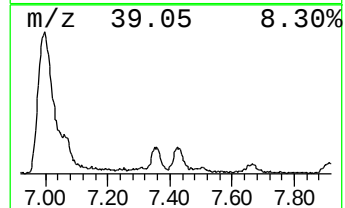
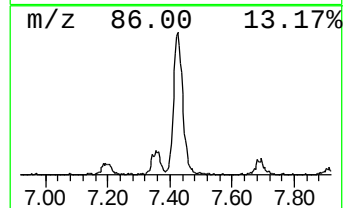
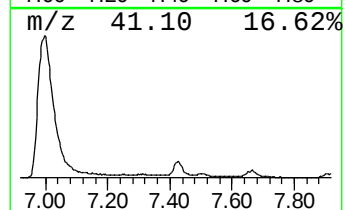
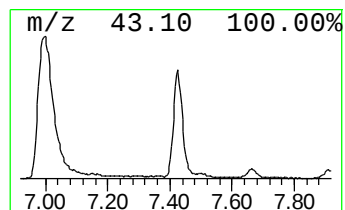
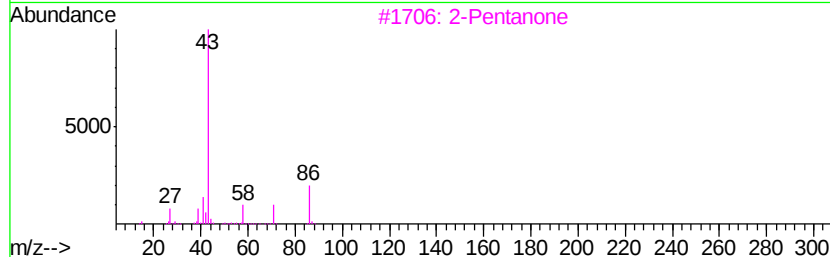
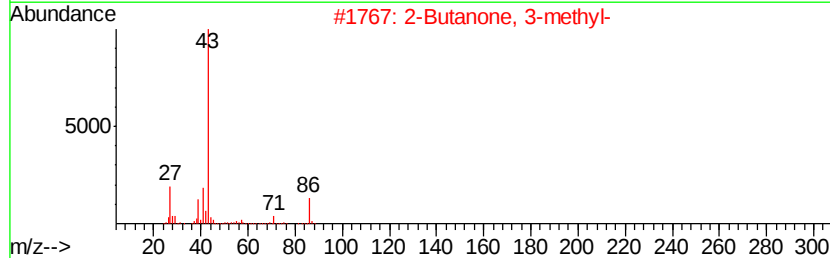
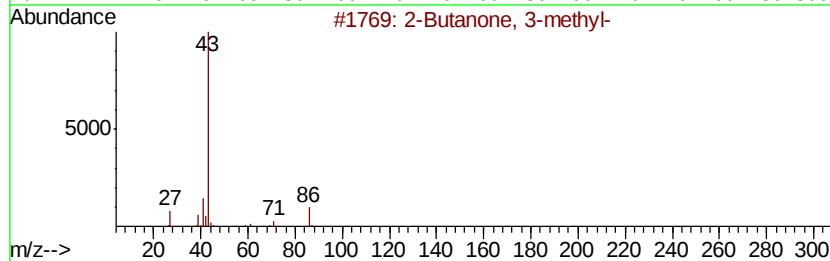
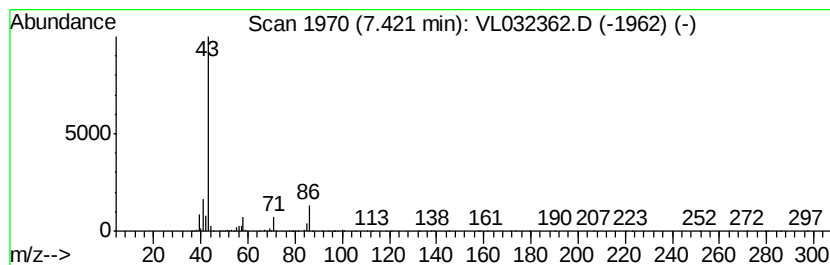
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 15 14:58:02 2018

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 2-Butanone, 3-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.42	1.69 ppbv	1887700	1,4-Difluorobenzene	7.36

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Butanone, 3-methyl-	86	C5H10O	000563-80-4	50
2			2-Butanone, 3-methyl-	86	C5H10O	000563-80-4	47
3			2-Pentanone	86	C5H10O	000107-87-9	40
4			Ethanone, 1-oxiran-yl-	86	C4H6O2	004401-11-0	28
5			2-Pentanone	86	C5H10O	000107-87-9	23



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL081518\
Data File : VL032362.D
Acq On : 15 Aug 2018 21:52
Operator : SY/AP
Sample : J4457-01
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SS01-MIVI

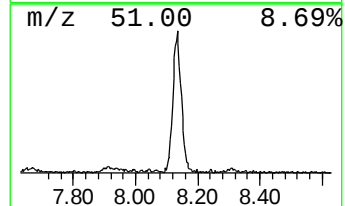
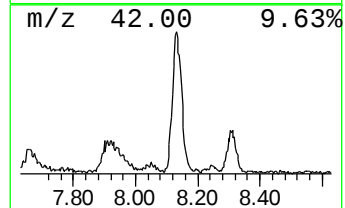
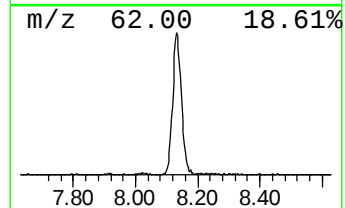
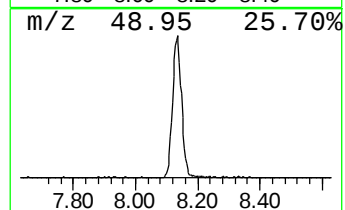
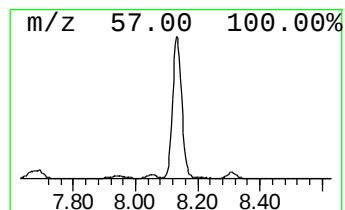
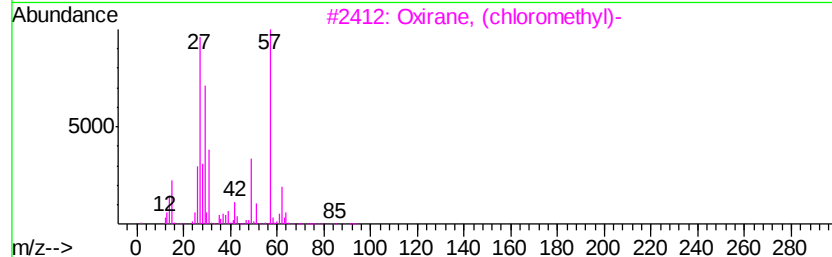
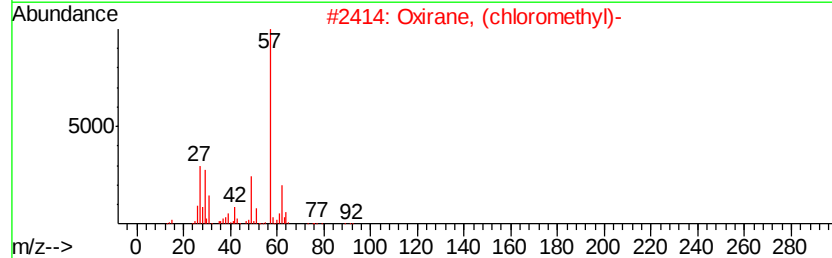
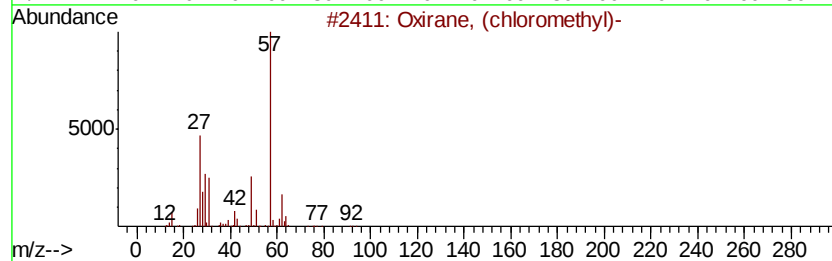
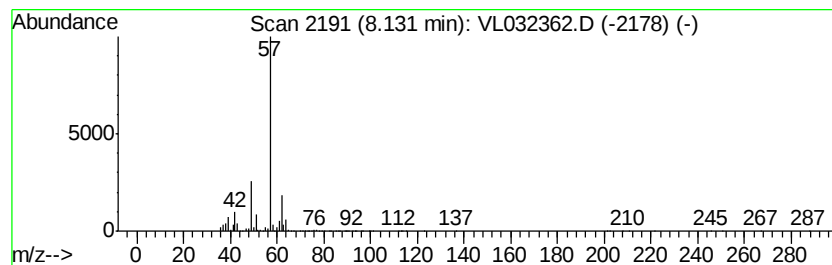
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Oxirane, (chloromethyl)- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.13	3.04 ppbv	3402840	1,4-Difluorobenzene	7.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Oxirane, (chloromethyl)-	92	C3H5ClO	000106-89-8	91
2		Oxirane, (chloromethyl)-	92	C3H5ClO	000106-89-8	90
3		Oxirane, (chloromethyl)-	92	C3H5ClO	000106-89-8	86
4		Oxirane, (chloromethyl)-, (R)-	92	C3H5ClO	051594-55-9	83
5		Oxirane, (chloromethyl)-	92	C3H5ClO	000106-89-8	83



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL081518\
Data File : VL032362.D
Acq On : 15 Aug 2018 21:52
Operator : SY/AP
Sample : J4457-01
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
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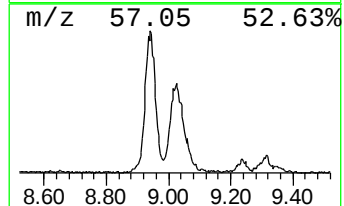
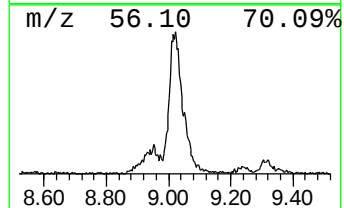
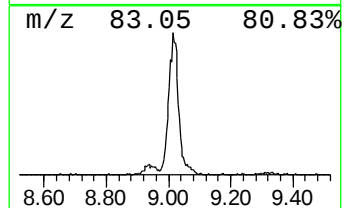
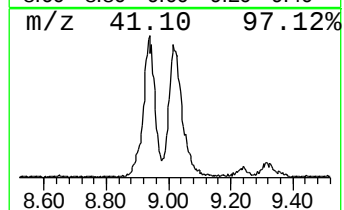
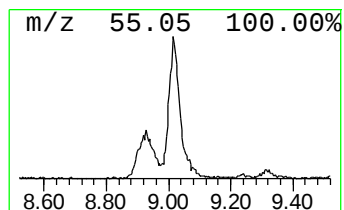
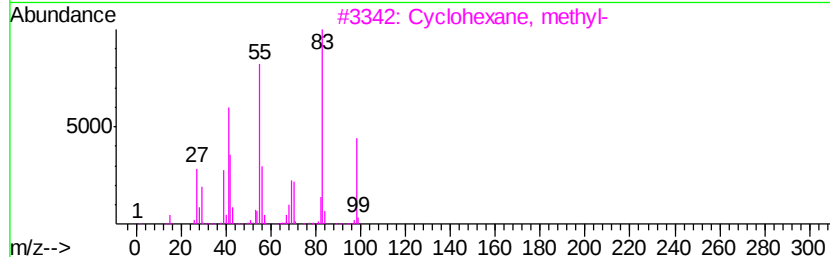
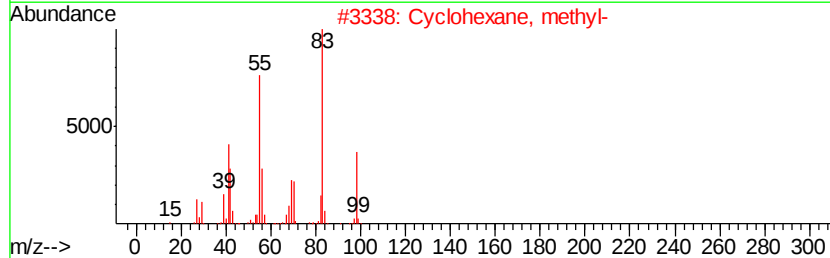
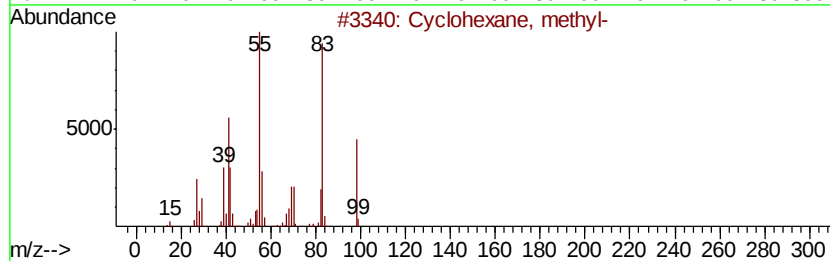
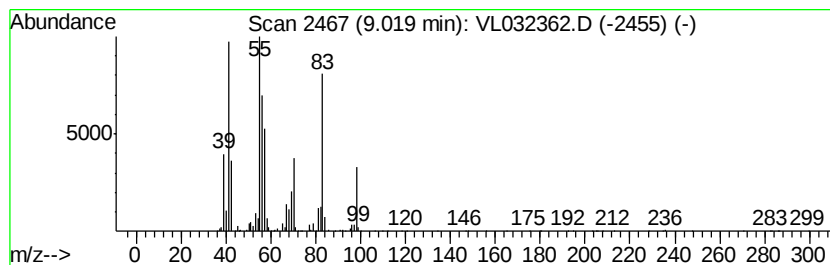
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 15 14:58:02 2018

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Cyclohexane, methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.02	2.31 ppbv	2580950	1,4-Difluorobenzene	7.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, methyl-	98	C7H14	000108-87-2	58
2		Cyclohexane, methyl-	98	C7H14	000108-87-2	52
3		Cyclohexane, methyl-	98	C7H14	000108-87-2	52
4		1,4-Pentadien-3-ol	84	C5H8O	000922-65-6	49
5		2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL081518\
Data File : VL032362.D
Acq On : 15 Aug 2018 21:52
Operator : SY/AP
Sample : J4457-01
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
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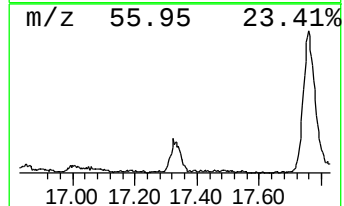
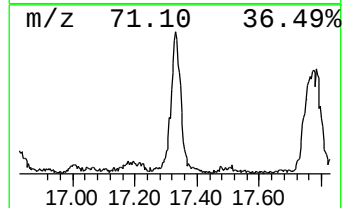
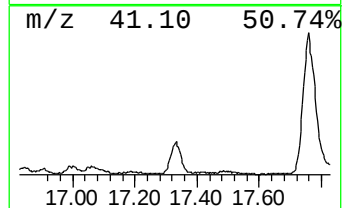
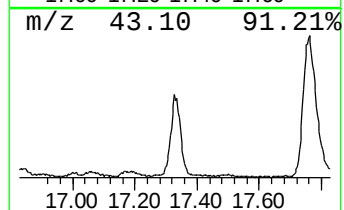
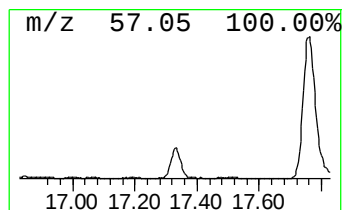
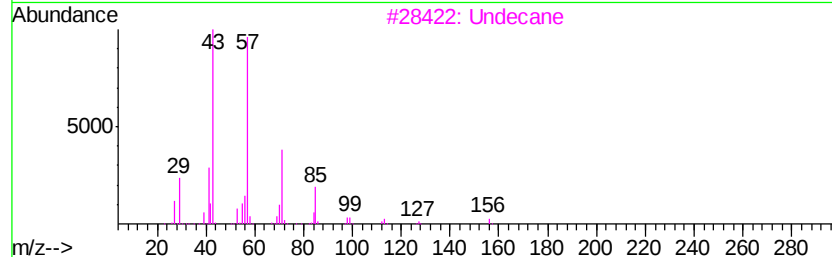
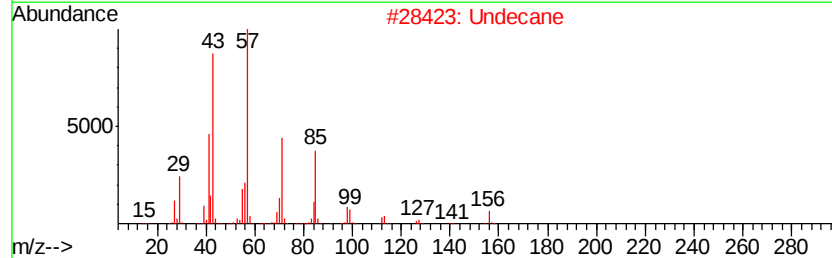
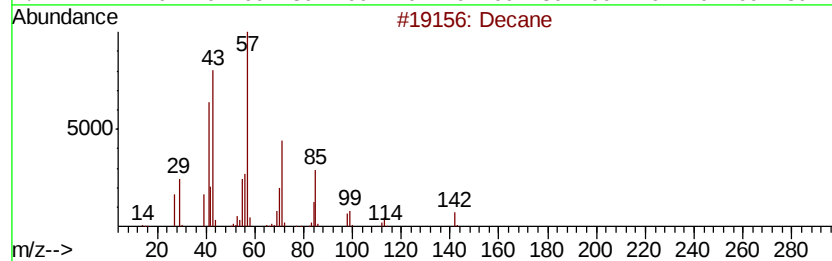
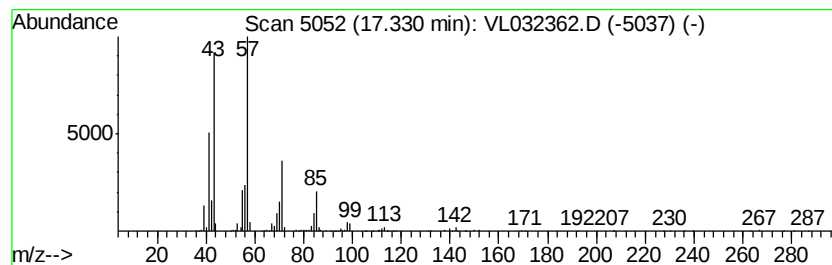
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 15 14:58:02 2018

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 Decane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.33	1.29 ppbv	1874400	Chlorobenzene-d5	12.31

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane		142	C10H22	000124-18-5	86
2	Undecane		156	C11H24	001120-21-4	78
3	Undecane		156	C11H24	001120-21-4	72
4	Decane		142	C10H22	000124-18-5	72
5	Undecane, 2,7-dimethyl-		184	C13H28	017301-24-5	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL081518\
Data File : VL032362.D
Acq On : 15 Aug 2018 21:52
Operator : SY/AP
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Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
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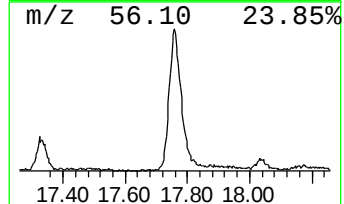
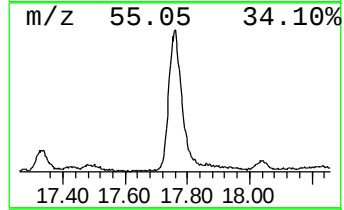
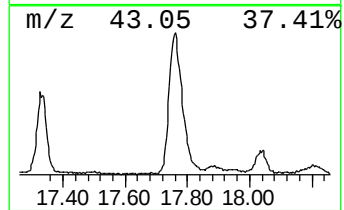
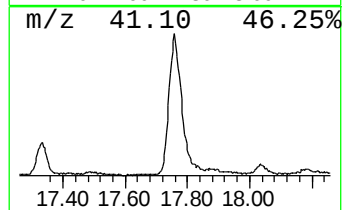
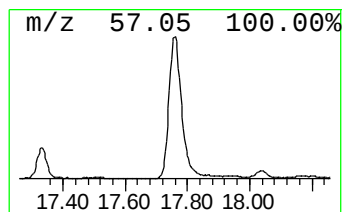
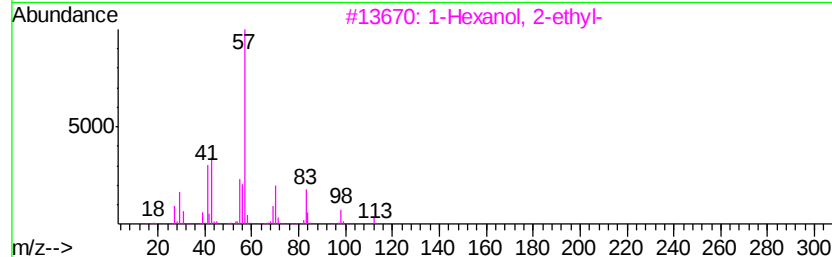
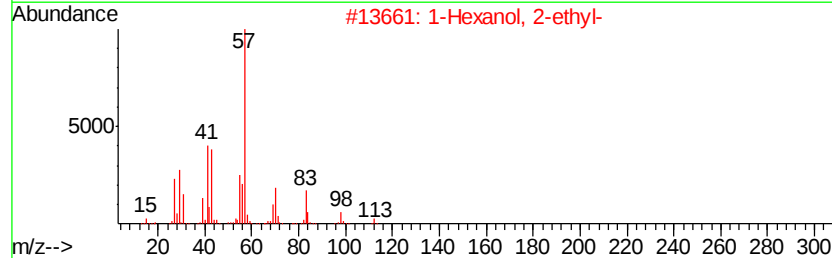
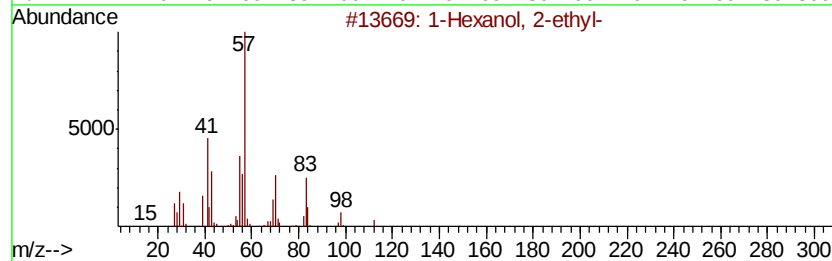
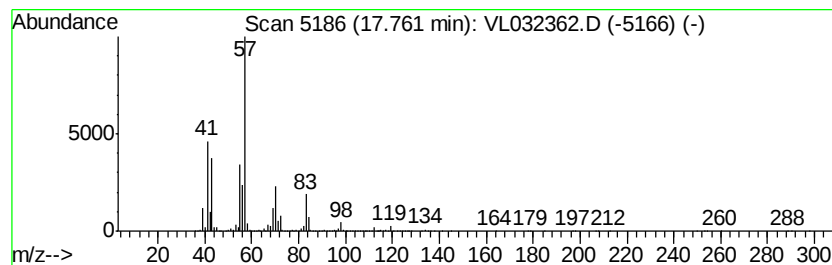
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 15 14:58:02 2018

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 1-Hexanol, 2-ethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.76	6.19 ppbv	8967900	Chlorobenzene-d5	12.31

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	78
2		1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	59
3		1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	56
4		2-Propyl-1-pentanol	130	C8H18O	058175-57-8	53
5		Oxirane, [[(2-ethylhexyl)oxy]met...	186	C11H22O2	002461-15-6	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL081518\
Data File : VL032362.D
Acq On : 15 Aug 2018 21:52
Operator : SY/AP
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Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
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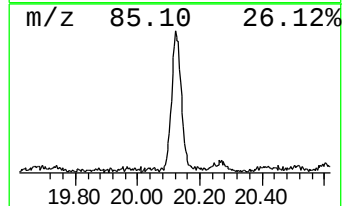
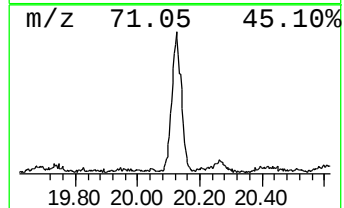
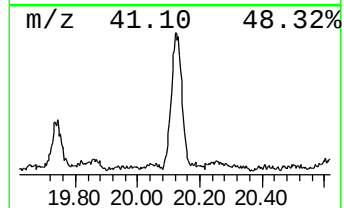
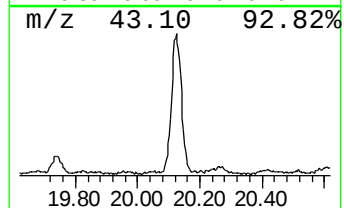
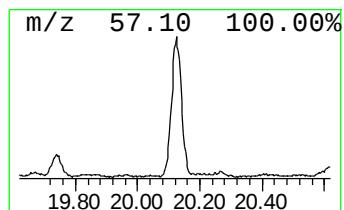
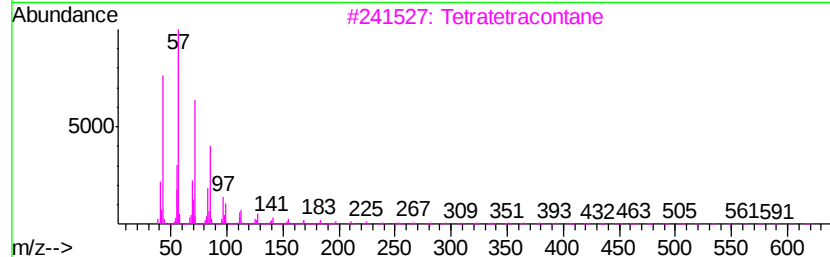
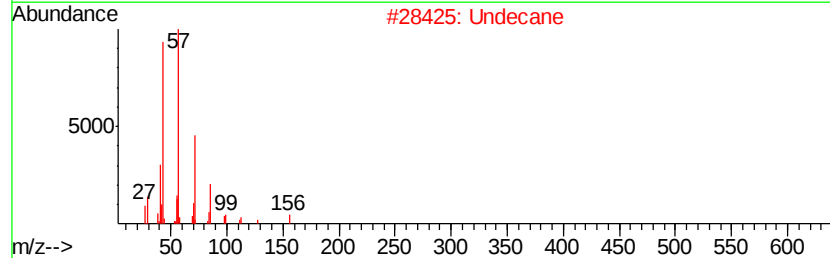
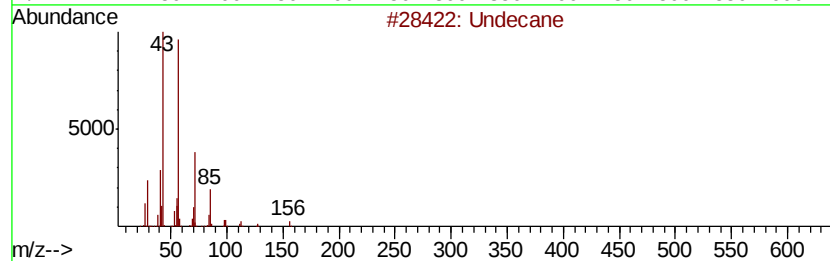
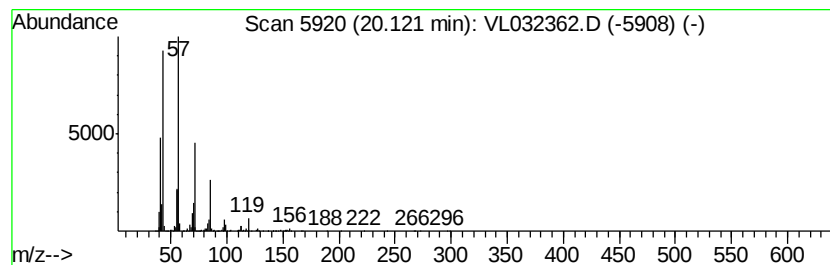
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 Undecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.12	1.68 ppbv	2431330	Chlorobenzene-d5	12.31

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane			156	C11H24	001120-21-4	80
2	Undecane			156	C11H24	001120-21-4	80
3	Tetratetracontane			619	C44H90	007098-22-8	78
4	Tetradecane			198	C14H30	000629-59-4	78
5	Decane, 2-methyl-			156	C11H24	006975-98-0	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL081518\
Data File : VL032362.D
Acq On : 15 Aug 2018 21:52
Operator : SY/AP
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Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
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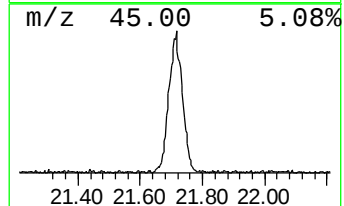
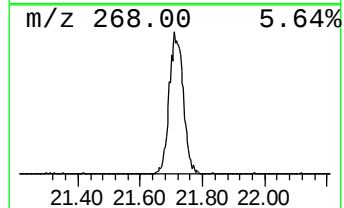
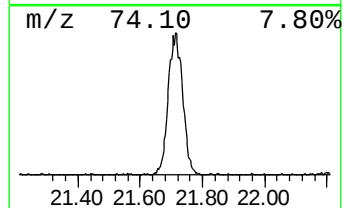
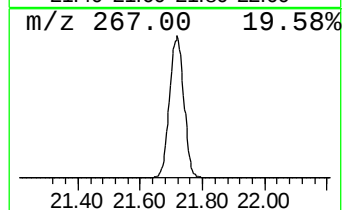
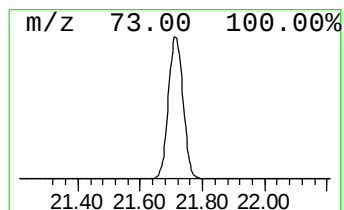
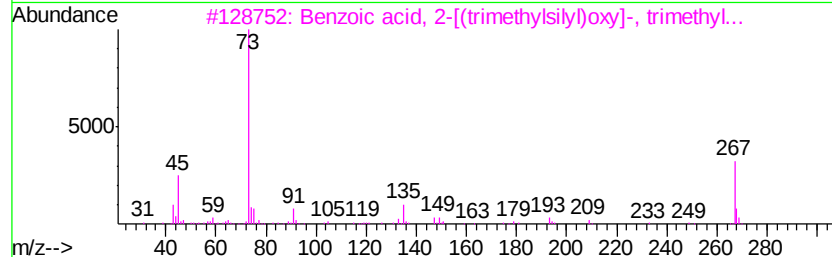
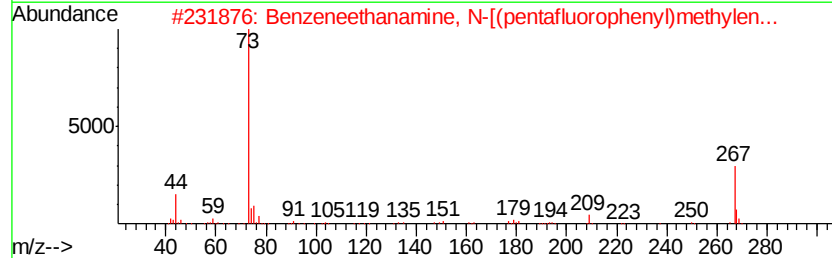
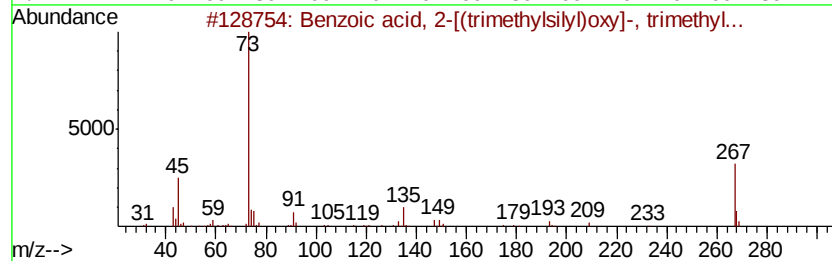
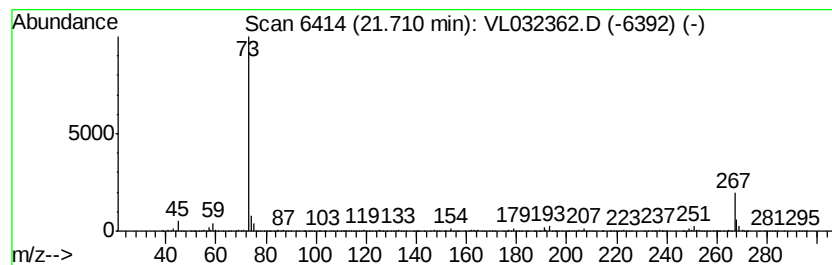
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 unknown21.71 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.71	4.96 ppbv	7177940	Chlorobenzene-d5	12.31

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzoic acid, 2-[(trimethylsilyl)oxy]-, trimethyl...	282	C13H22O3Si2	003789-85-3	43
2			Benzenethanamine, N-[(pentafluorophenyl)methyl]...	475	C21H26F5N2Si2	055429-85-1	38
3			Benzoic acid, 2-[(trimethylsilyl)oxy]-, trimethyl...	282	C13H22O3Si2	003789-85-3	25
4			1-(3-Chlorophenyl)piperazine, 4-...	268	C13H21ClN2Si	1000373-99-3	12
5			Tetrasiloxane, 1,1,3,3,5,5,7,7-o...	282	C8H26O3Si4	001000-05-1	9



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL081518\
 Data File : VL032362.D
 Acq On : 15 Aug 2018 21:52
 Operator : SY/AP
 Sample : J4457-01
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS01-MIVI

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081518AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 15 14:58:02 2018

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
tert-Butyldimethy...	5.12	1.4	ppbv	1591410	1	5.82	11141900	10.0
2-Butanol, (R)-	5.63	4.8	ppbv	5299470	1	5.82	11141900	10.0
1-Propanol, 2-met...	6.19	28.0	ppbv	31204000	1	5.82	11141900	10.0
1-Butanol	7.00	13.3	ppbv	14842100	2	7.36	11176300	10.0
2-Butanone, 3-met...	7.42	1.7	ppbv	1887700	2	7.36	11176300	10.0
Oxirane, (chlorom...	8.13	3.0	ppbv	3402840	2	7.36	11176300	10.0
Cyclohexane, methyl-	9.02	2.3	ppbv	2580950	2	7.36	11176300	10.0
Decane	17.33	1.3	ppbv	1874400	3	12.31	14480800	10.0
1-Hexanol, 2-ethyl-	17.76	6.2	ppbv	8967900	3	12.31	14480800	10.0
Undecane	20.12	1.7	ppbv	2431330	3	12.31	14480800	10.0
unknown21.71	21.71	5.0	ppbv	7177940	3	12.31	14480800	10.0